

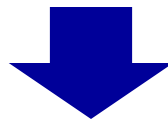


# Energy Report

## 3.19.21

[Chart Menu Next 2 Pages](#)

click page # to jump to chart; click 'Menu' to return to menu



Oil, Nat Gas, ETF Weekly Performance --	4
Oil -----	5
Natural Gas-----	6
<b><u>Commitment of Traders</u></b>	
Summary Tables -----	7-8
--Commercial -----	9-17
--Non-Commercial -----	18-25
--Managed Money -----	26-31
--Producer / Merchant -----	32-37
--Swap Dealers -----	38-43
--Other Reportable -----	44-49
--Open Interest -----	50-51
--Net Commercial Positions as % OI -----	52-53
<b><u>Bank Participation Data</u></b> -----	54-59
<b><u>Inventory</u></b>	
Crude Oil & Petrol Product Tables -----	60
Motor Gas & Fuel Ethanol Tables -----	61-62
Distillate, Residual, Jet Fuel, Etc. Tables -	63-65
Inventory Charts -----	66-82
<b><u>Inputs &amp; Production</u></b>	
Summary tables -----	83-85
Production charts -----	86-95
<b><u>Rig Count</u></b> -----	96-99
<b><u>Petroleum Products Supplied</u></b> -----	100-113
<b><u>Motor Gas &amp; Diesel Fuel Prices table</u></b> --	114
Motor Gas & Diesel charts -----	115-119
<b><u>US Weekly Imports &amp; Exports tables</u></b> ---	120-122
Import & Export charts (weekly, monthly) -	123-138

## **JODI Oil Production & Exports**

Production (top 25) table -----	139
Top 45 Producers (total) -----	140
Top 16 Producer charts -----	141-156
Top 16 Exporter charts -----	157-172

## **China Oil Import/Demand**

Oil Imports -----	173-4
Oil Demand, Gas Consumption -----	175-6
Monthly imports by country of origin -----	177-180
World Fuel Exports to China, Asia, World	181-2

## **Short-Term Energy Outlook**

US Supply, Consumption, Inventory tables	183-4
International Supply, Consumption table	185
US Nat Gas Supply, Consumption table	186
*oil inventory, production, consumption ---	187-191
*retail prices, fuel costs -----	192-199
*renewable energy consumption -----	200-206

## **Other / Market Charts**

Per capita oil, gas inventories 2014-p -----	207
Oil Floating Storage; vs. Oil supplied -----	208-9
Oil + Petrol + Floating Storage vs. Oil prc	210
Products supplied: Oil vs Motor Gas -----	211
Motor Gas Implied Demand vs. Oil -----	212
Motor Gas Demand vs. Vehicle Traffic ----	213-4
Jet Fuel supplied vs. TSA Traveler Traffic	215
US Pipeline Movement -----	216

*Menu continued next page...*

Per Capita Natural Gas Consumption -----	<b>217</b>
Per Cap. Oil Consump vs. Labor Particip.	<b>218</b>
Per Cap. Oil Consump vs. S&P 500 -----	<b>219</b>
Per Cap. Gas Retail Sales vs. S&P 500 --	<b>220</b>
Per Cap. Gas Sales vs. Miles Driven -----	<b>221</b>
Per Cap. Durable Goods Orders vs. Oil --	<b>222</b>
Gasoline Price vs. CRB Foodstuffs -----	<b>223</b>
WTI vs. China Crude vs. OPEC Crude ---	<b>224</b>
WTI vs. Brent vs. Western Canada Select	<b>225</b>
Heating oil vs. Fuel Oil, Propane, Butane	<b>226</b>
WTI, Brent, Natural Gas Implied Volatility	<b>227</b>
Brent-WTI spread, WTI Cushing 321 sprd.	<b>228-9</b>
Oil vs. US Dollar Index -----	<b>230</b>
Oil vs. 10yr Yield -----	<b>231</b>
Brent Crude vs. Emerging Mkt. Currency	<b>232</b>
Brent Crude vs. RUB, NOK -----	<b>233-4</b>
West Canada Select Crude vs. CAD -----	<b>235</b>
Energy vs. Corp. High Yield -----	<b>236</b>
HY Energy Credit Spread vs. Oil -----	<b>237</b>
Oil vs. 10yr Breakeven, 5y5y Infl. Swap --	<b>238-9</b>
Inflation barometer: 10yr tips / BAA sprd.	<b>240</b>
Inflation impulse: Oil + Copper + Gold y/y	<b>241</b>
Oil vs. Baltic Dry Index -----	<b>242</b>
Oil vs. Dow Transports, Railroads -----	<b>243-4</b>
S&P indices: Energy, Steel, Materials -----	<b>245</b>
Energy Stocks y/y minus Crude Oil y/y ---	<b>246</b>
Oil, XLE, XOP 2013=100 -----	<b>247</b>
XLE, UNG, USO 14d Relative Strength ---	<b>248-250</b>

Top oil producer stock market indices -----	<b>251-2</b>
US Industrial Production y/y vs. Oil -----	<b>253</b>
World Exports y/y (total, fuel, ex-fuel) -----	<b>254</b>

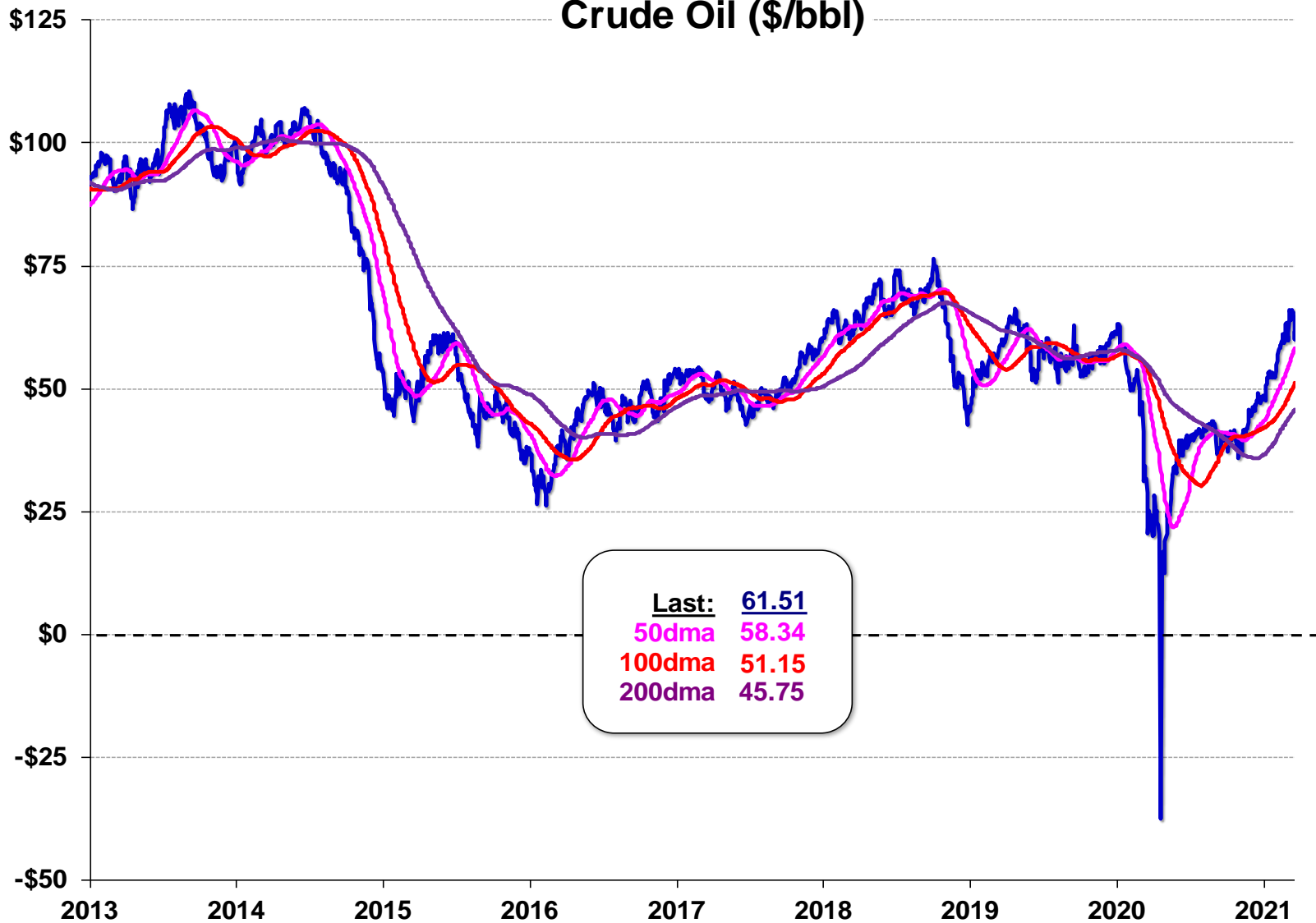
**ENERGY PERFORMANCE**

Week ending:

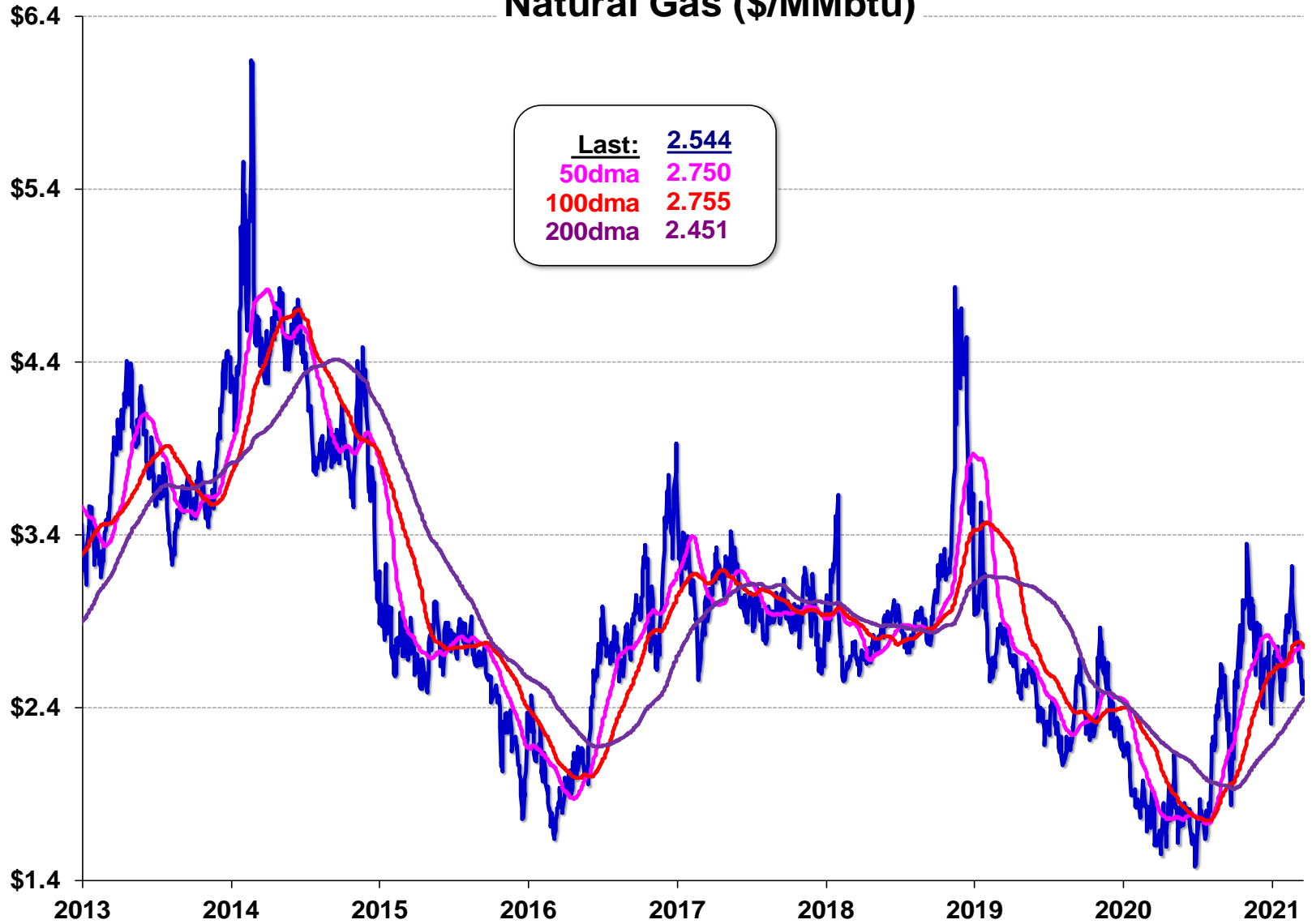
3/19/21

	Last	5-Day Change	20-Day Change	YTD
CRUDE Oil (\$/bbl)	61.51	-6.25%	+3.83%	+26.77%
NATURAL GAS (\$/MMbtu)	2.544	-2.15%	-17.11%	+0.20%
USO - US Oil Fund	41.77	-5.82%	+5.27%	+26.54%
UNG - US Natural Gas Fund	9.49	-2.06%	-14.96%	+3.15%
XLE - Energy Select Fund	49.53	-7.54%	+7.25%	+30.69%
XOP - Oil & Gas Expl. & Prod'n	83.75	-7.40%	+8.01%	+43.16%
OIH - Oil Services	198.17	-10.22%	+8.31%	+28.68%
IEO - Oil & Gas Expl. & Prod'n	49.23	-7.32%	+8.48%	+37.21%
IXC - Global Energy ETF	24.89	-5.97%	+5.78%	+22.55%
FENY - MSCI Energy Index ETF	13.31	-8.33%	+6.57%	+31.13%
IYE - US Energy ETF	26.36	-7.41%	+7.07%	+30.24%
FILL - Global Energy Producers	15.95	-5.90%	+6.76%	+22.13%
PSCE - SmallCap Energy ETF	6.63	-9.43%	+9.05%	+51.03%

# Crude Oil (\$/bbl)



# Natural Gas (\$/MMbtu)



**CFTC COMMITMENT OF TRADERS**
**NYMEX CRUDE OIL, LIGHT SWEET**

Weekly data thru: 3/16/2021	Contracts (000s)	1Wk Change	1Wk % Change	4Wk Change	4Wk % Change	Record Position?
<b>NET COMMERCIAL</b>						
Futures	-579.20	+15.43	-2.6%	-4.42	+0.8%	NO
Options	-49.92	-0.91	+1.9%	-4.01	+8.7%	NO
Futures + Options	-629.12	+14.52	-2.3%	-8.43	+1.4%	NO
<b>NET NON-COMMERCIAL</b>						
Futures	525.44	-12.00	-2.2%	+10.73	+2.1%	NO
Options	49.25	+0.54	+1.1%	+2.34	+5.0%	NO
Futures + Options	574.69	-11.45	-2.0%	+13.07	+2.3%	NO
<b>NET MANAGED MONEY</b>						
Futures	362.43	-1.71	-0.5%	-16.54	-4.4%	NO
Options	30.59	+4.04	+15.2%	+19.67	+180.1%	NO
Futures + Options	393.02	+2.33	+0.6%	+3.13	+0.8%	NO
<b>NET PRODUCER/MERCHANT</b>						
Futures	-72.30	+5.00	-6.5%	+5.70	-7.3%	NO
Options	22.99	-0.80	-3.4%	-1.35	-5.5%	NO
Futures + Options	-49.31	+4.20	-7.8%	+4.35	-8.1%	NO
<b>NET OTHER REPORTABLES</b>						
Futures	163.01	-10.28	-5.9%	+27.27	+20.1%	NO
Options	18.67	-3.50	-15.8%	-17.33	-48.1%	NO
Futures + Options	181.67	-13.78	-7.1%	+9.94	+5.8%	NO
<b>NET SWAP DEALERS</b>						
Futures	-506.90	+10.43	-2.0%	-10.11	+2.0%	NO
Options	-72.91	-0.11	+0.2%	-2.67	+3.8%	NO
Futures + Options	-579.81	+10.32	-1.7%	-12.78	+2.3%	NO
<b>OPEN INTEREST</b>						
Futures	2,523.2	+28.54	+1.1%	+15.56	+0.6%	NO
Options	713.7	+37.83	+5.6%	+77.78	+12.2%	NO
Futures + Options	3,236.9	+66.38	+2.1%	+93.34	+3.0%	NO

**CFTC COMMITMENT OF TRADERS**
**NYMEX NATURAL GAS**

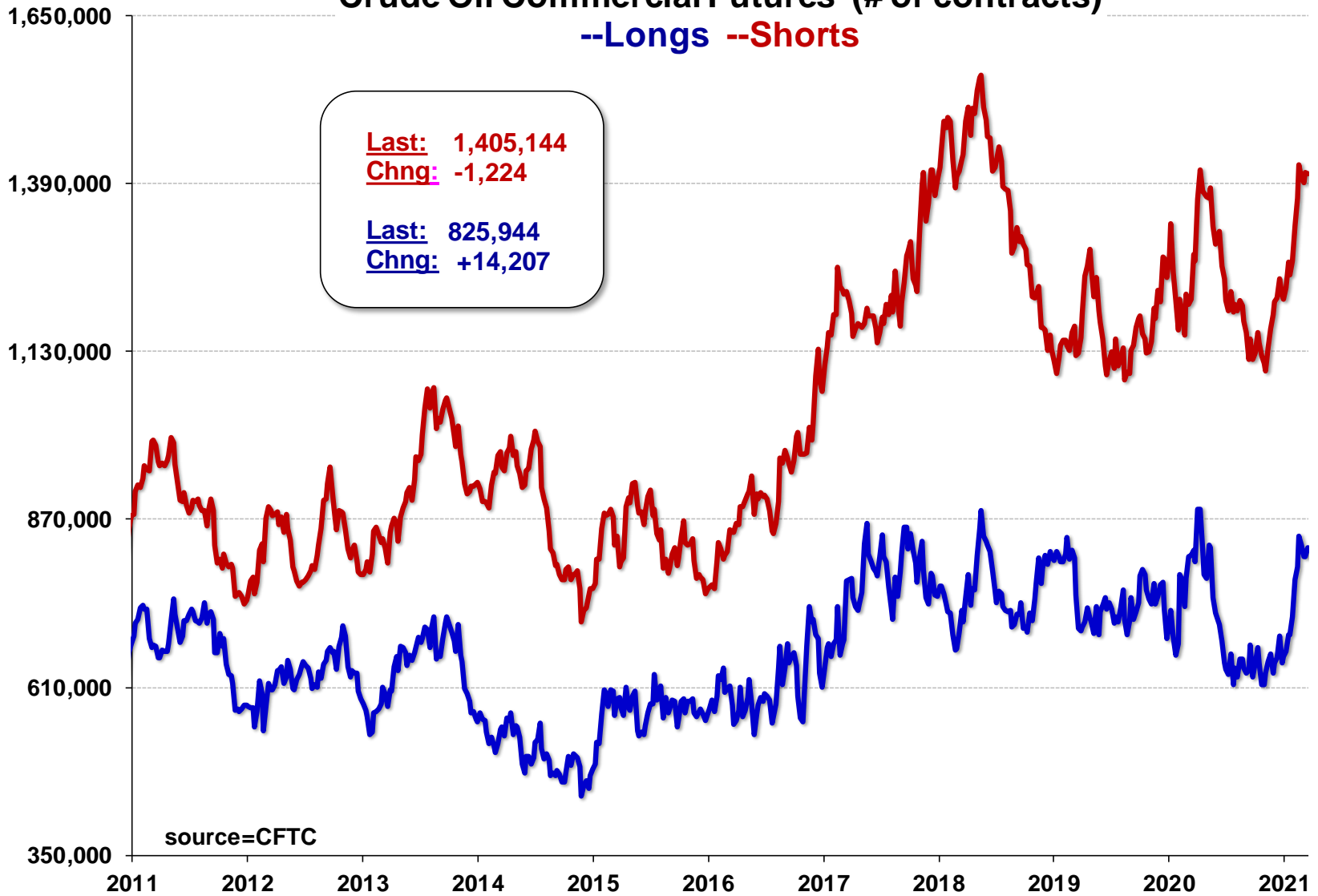
 Weekly data thru:  
 3/16/2021

	Contracts (000s)	1Wk Change	1Wk % Change	4Wk Change	4Wk % Change	Record Position?
<b>NET COMMERCIAL</b>						
Futures	16.14	+38.80	turn	+78.53	n/a	NO
Options	0.65	+0.33	+99.7%	+0.02	+3.0%	NO
Futures + Options	16.79	+39.12	turn	+78.55	n/a	NO
<b>NET NON-COMMERCIAL</b>						
Futures	-38.02	-37.98	+90428.6%	-76.80	n/a	NO
Options	-1.25	-0.45	+56.1%	-0.47	+60.3%	NO
Futures + Options	-39.27	-38.43	+4569.3%	-77.27	n/a	NO
<b>NET MANAGED MONEY</b>						
Futures	-3.62	-58.71	turn	-114.27	n/a	NO
Options	0.85	+0.39	+84.9%	-0.18	-17.5%	NO
Futures + Options	-2.78	-58.33	turn	-114.45	n/a	NO
<b>NET PRODUCER/MERCHANT</b>						
Futures	-55.66	+22.28	-28.6%	+45.07	-44.7%	NO
Options	0.00	-0.01	turn	-0.28	n/a	NO
Futures + Options	-55.67	+22.26	-28.6%	+44.80	-44.6%	NO
<b>NET OTHER REPORTABLES</b>						
Futures	-34.40	+20.73	-37.6%	+37.47	-52.1%	NO
Options	-2.09	-0.84	+66.6%	-0.29	+16.2%	NO
Futures + Options	-36.49	+19.90	-35.3%	+37.18	-50.5%	NO
<b>NET SWAP DEALERS</b>						
Futures	71.81	+16.52	+29.9%	+33.46	+87.3%	NO
Options	0.65	+0.34	+107.6%	+0.30	+82.2%	NO
Futures + Options	72.46	+16.86	+30.3%	+33.75	+87.2%	NO
<b>OPEN INTEREST</b>						
Futures	1,209.4	+3.02	+0.3%	+7.78	+0.6%	NO
Options	18.8	+1.96	+11.7%	-1.35	-6.7%	NO
Futures + Options	1,228.2	+4.99	+0.4%	+6.43	+0.5%	NO



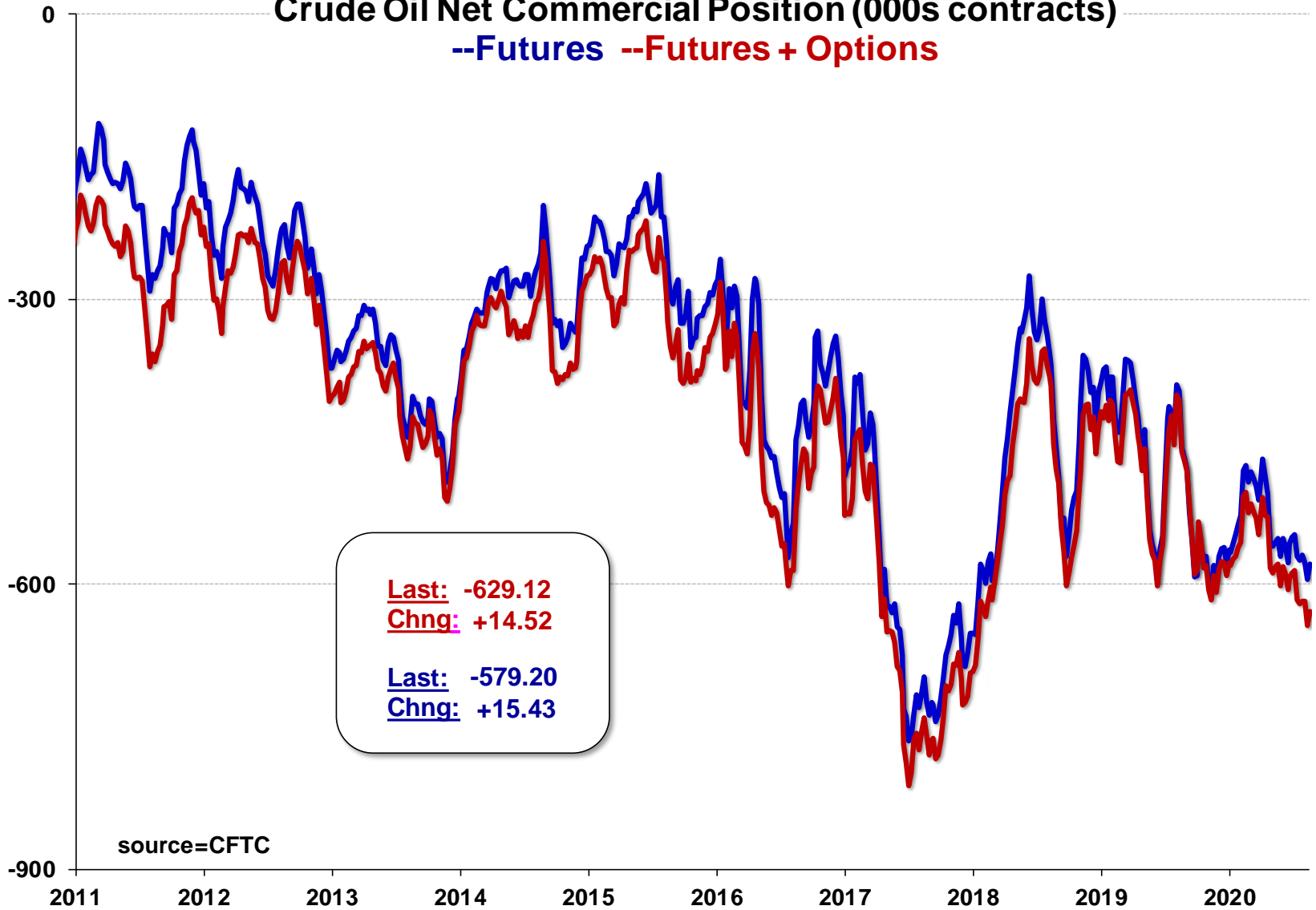
# Crude Oil Commercial Futures (# of contracts)

--Longs --Shorts

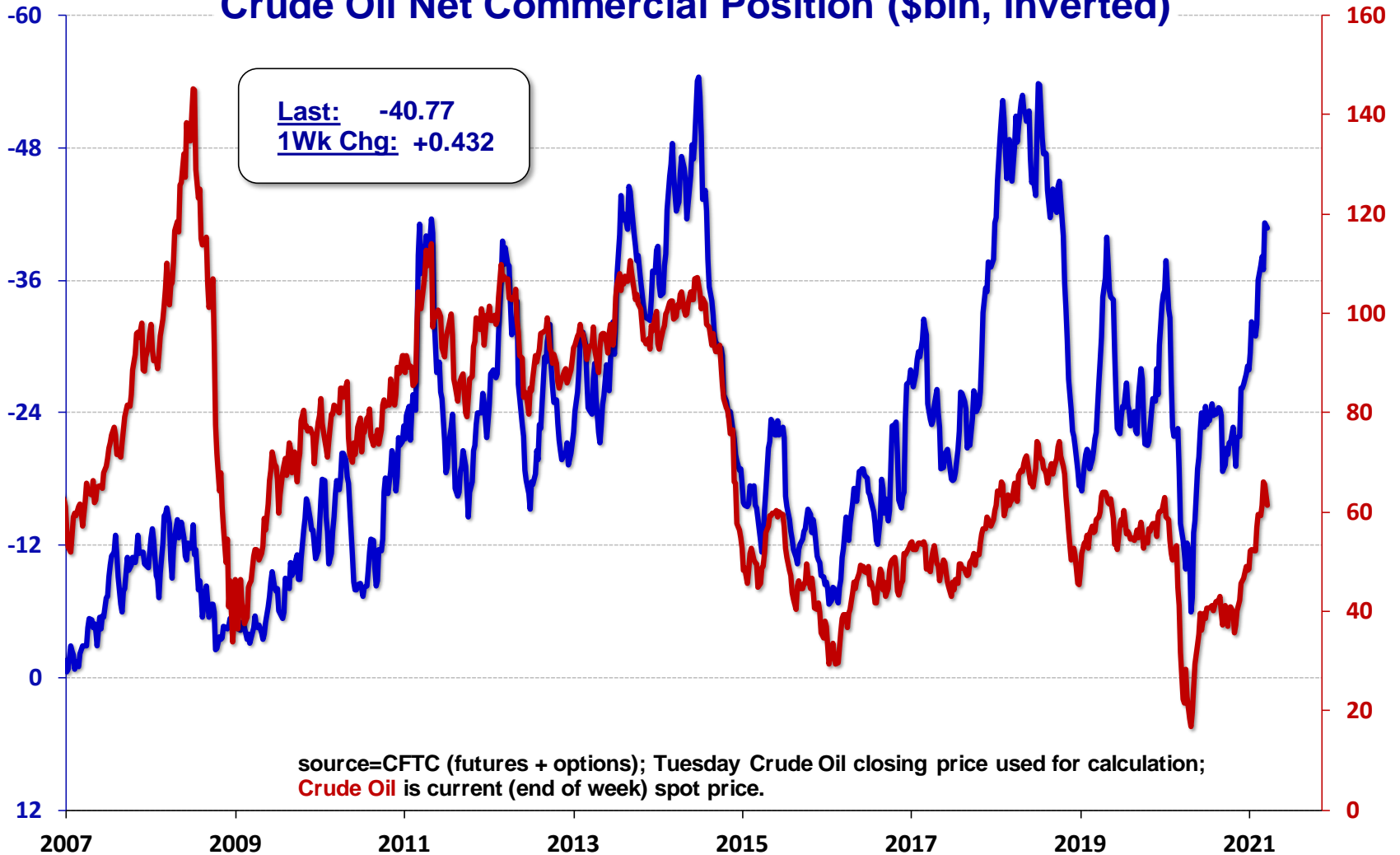


# Crude Oil Net Commercial Position (000s contracts)

--Futures --Futures + Options

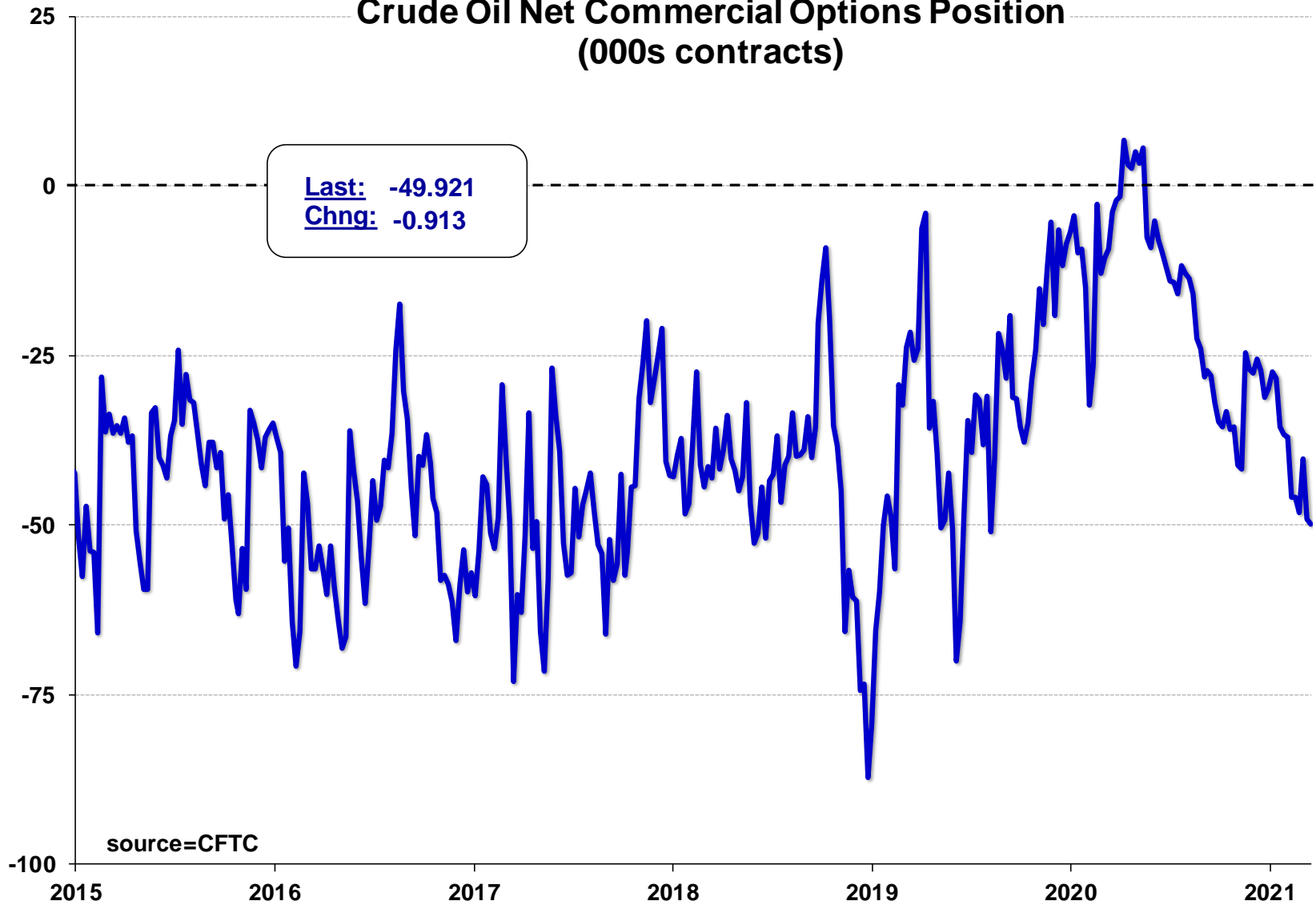


## Crude Oil (\$/bbl) vs. Crude Oil Net Commercial Position (\$bln, inverted)



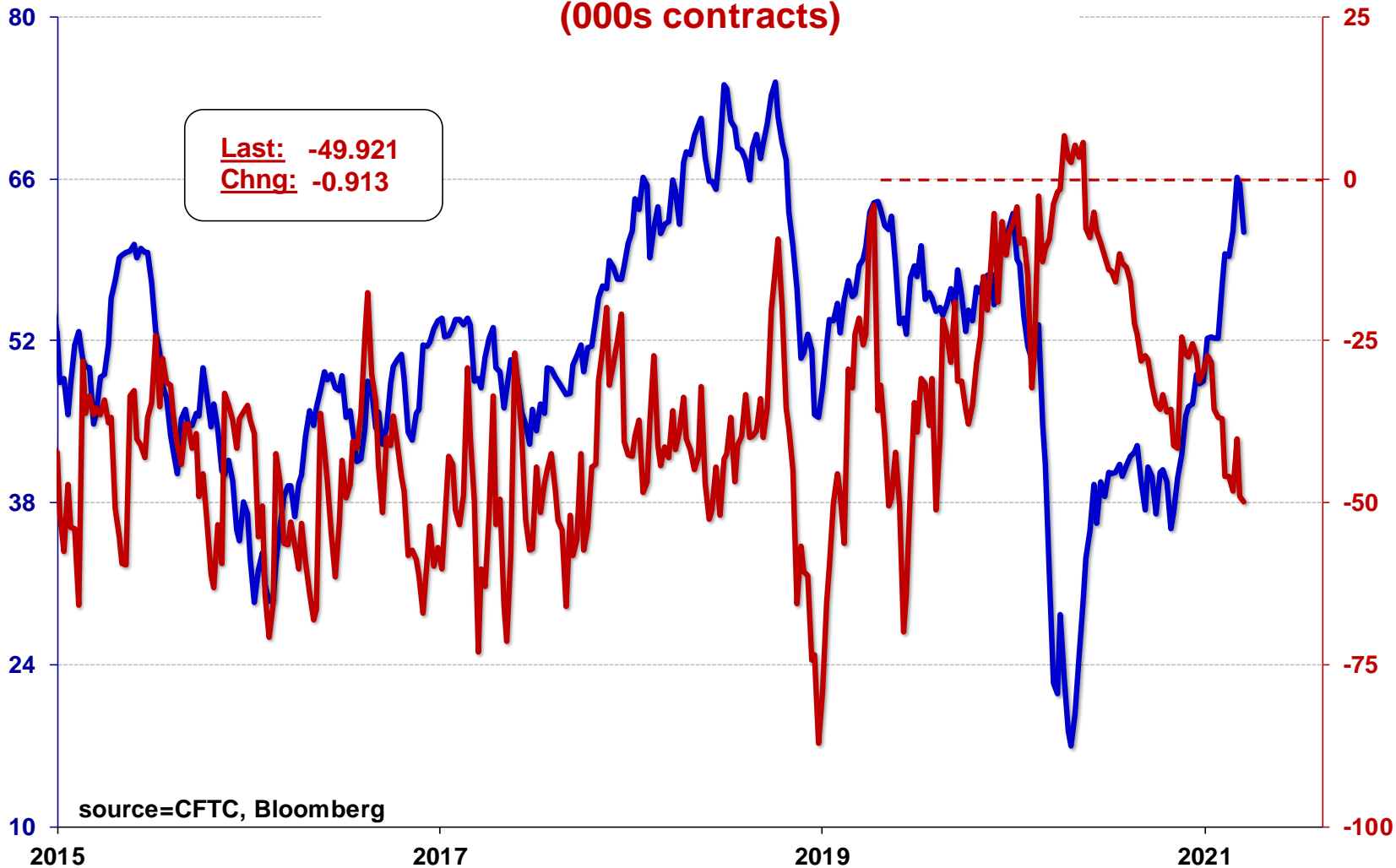
source=CFTC (futures + options); Tuesday Crude Oil closing price used for calculation;  
Crude Oil is current (end of week) spot price.

# Crude Oil Net Commercial Options Position (000s contracts)



source=CFTC

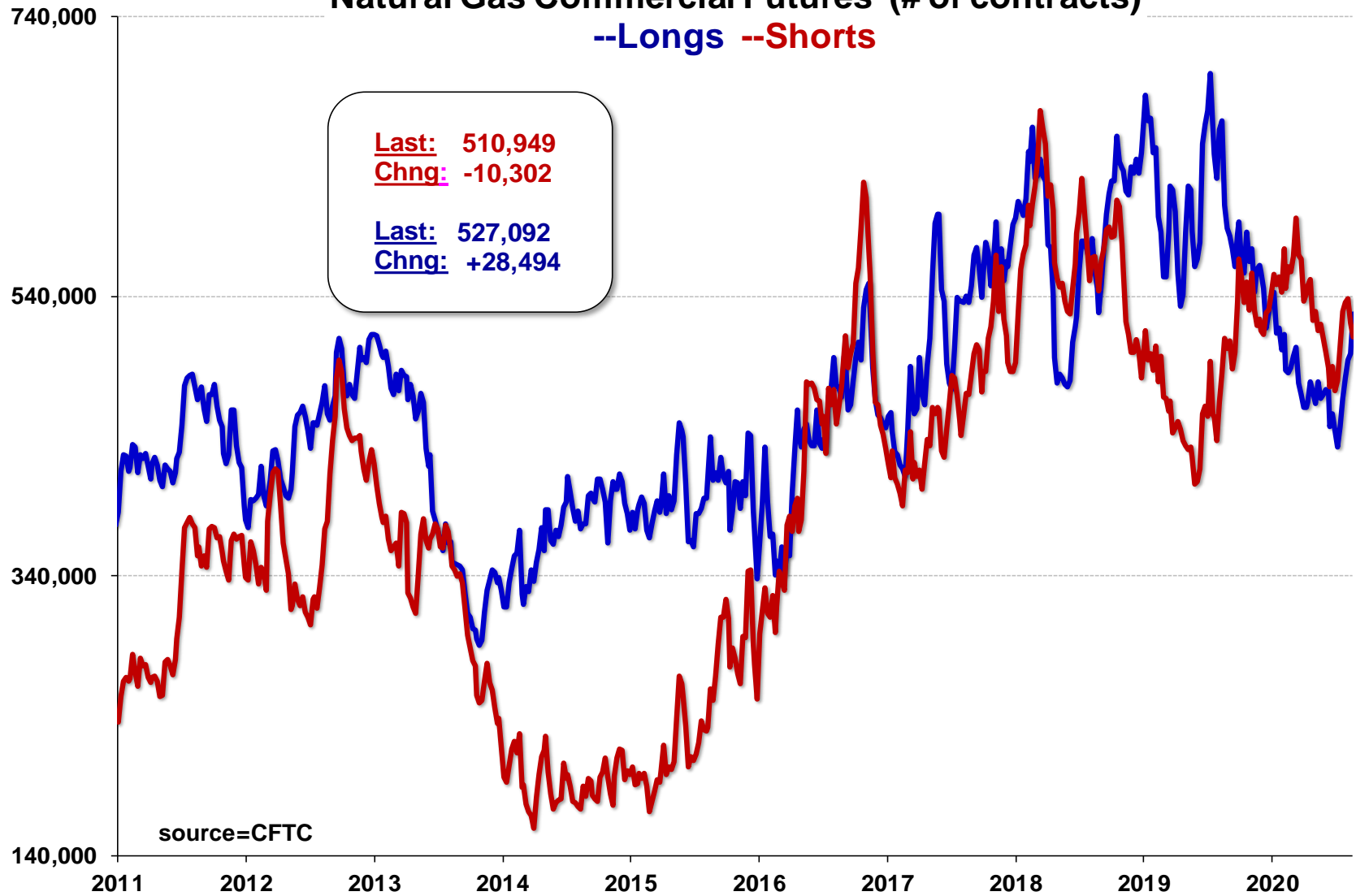
# Crude Oil (\$/bbl) vs. Crude Oil Net Commercial Options Position (000s contracts)



source=CFTC, Bloomberg

# Natural Gas Commercial Futures (# of contracts)

--Longs --Shorts



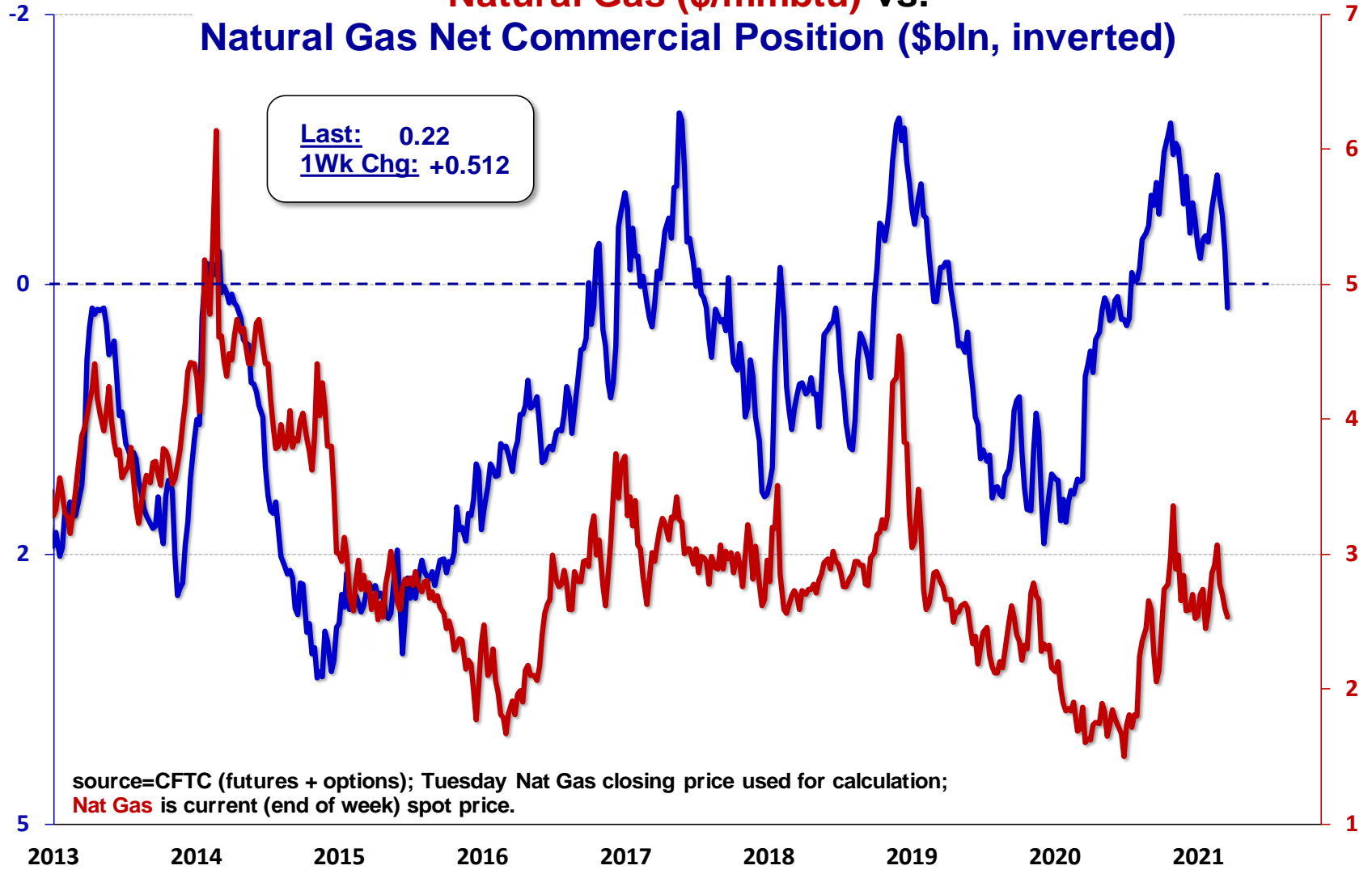
source=CFTC

# Natural Gas Net Commercial Position (000s contracts)

--Futures --Futures + Options

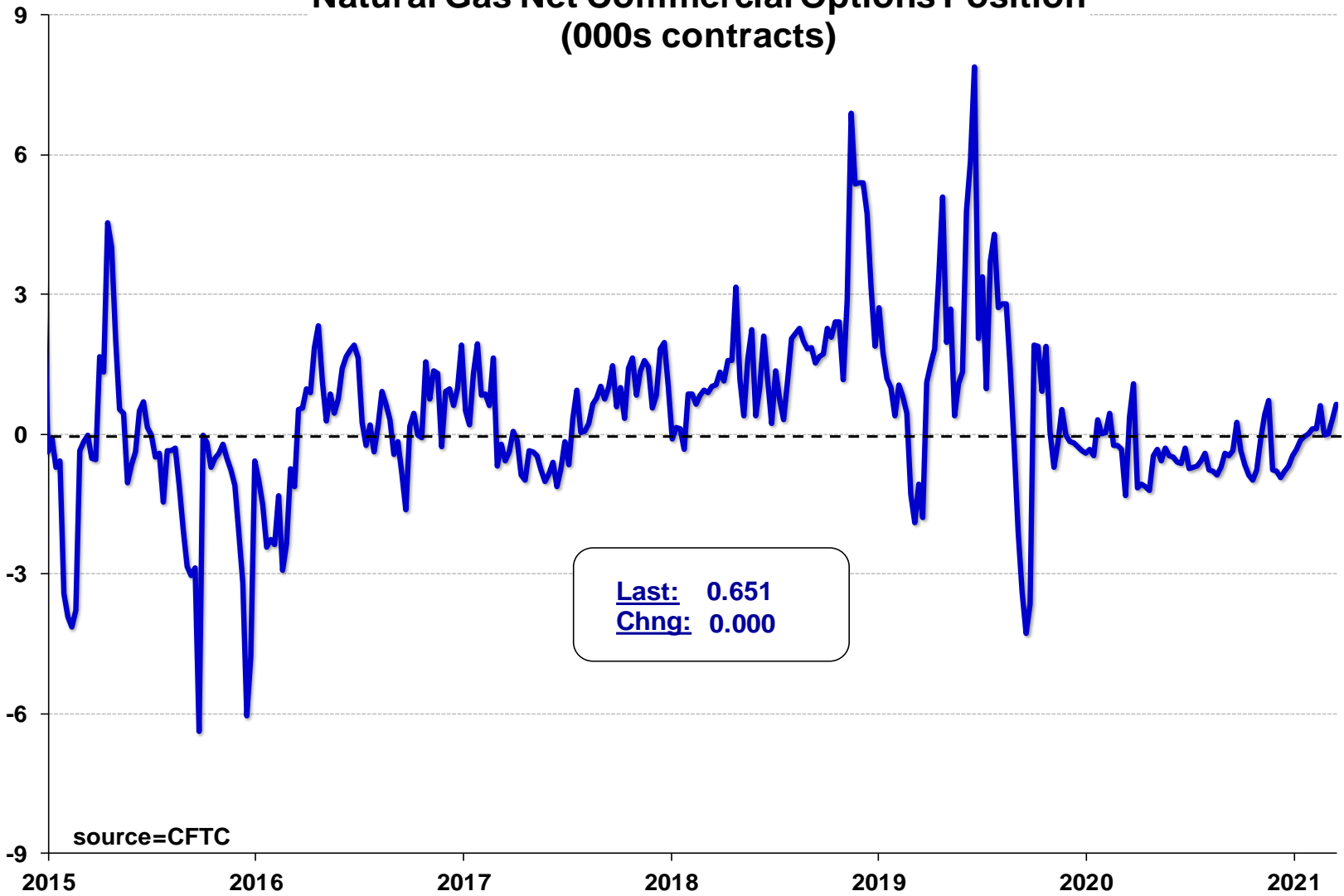


# Natural Gas (\$/mmbtu) vs. Natural Gas Net Commercial Position (\$bln, inverted)



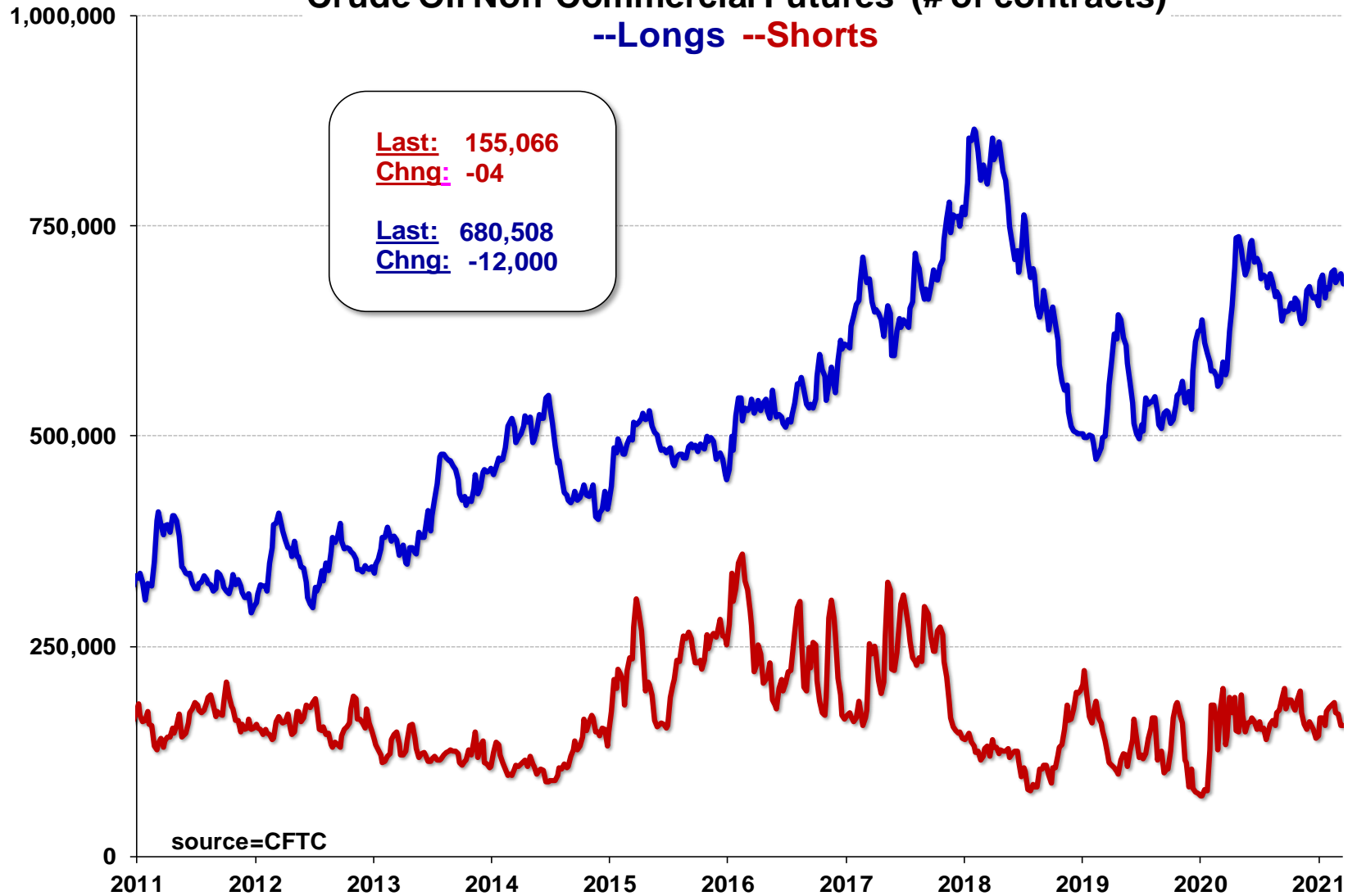


## Natural Gas Net Commercial Options Position (000s contracts)



# Crude Oil Non-Commercial Futures (# of contracts)

--Longs --Shorts



# Crude Oil Net Non-Commercial Position (000s contracts)

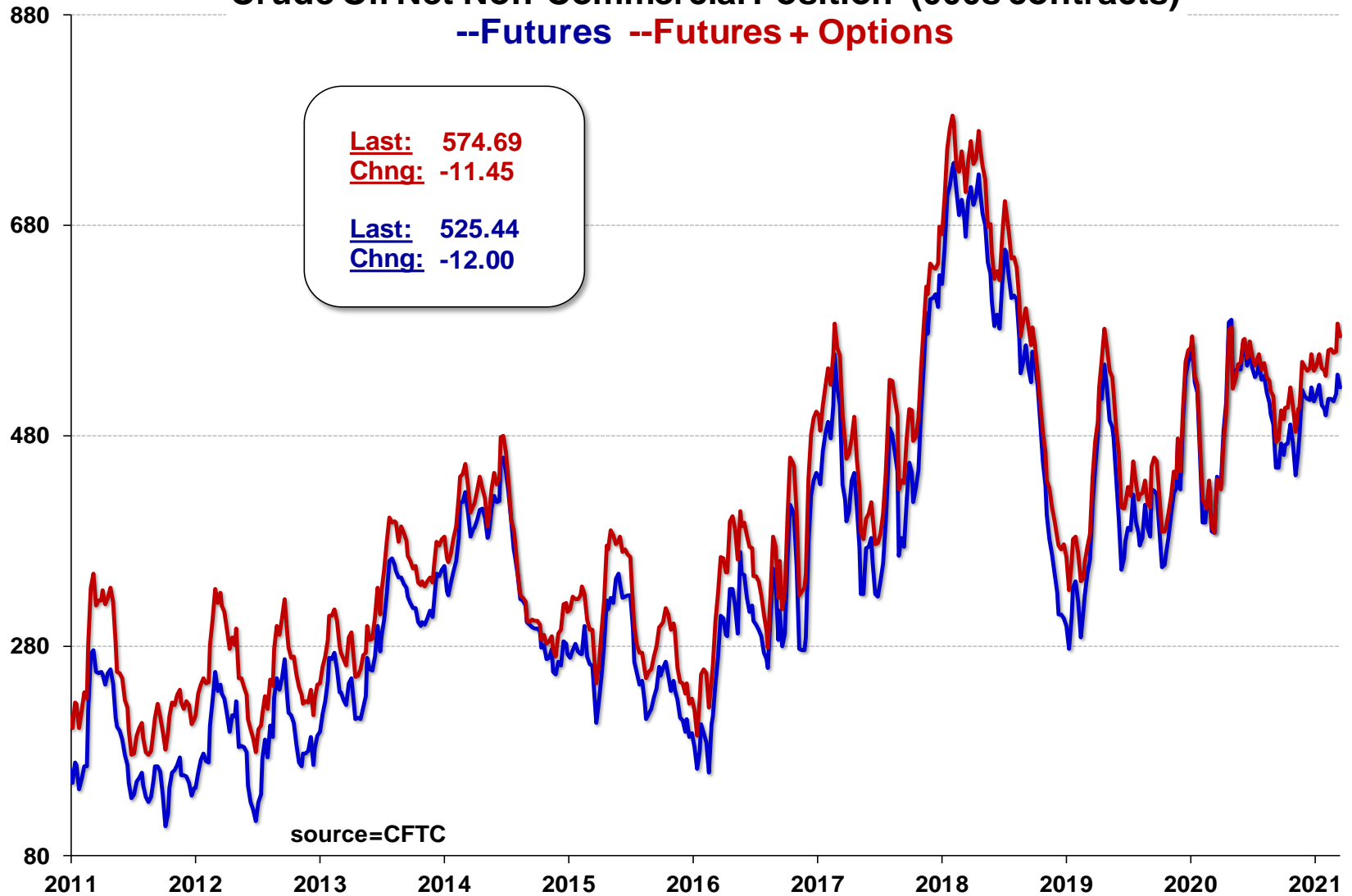
--Futures --Futures + Options

Last: 574.69

Chng: -11.45

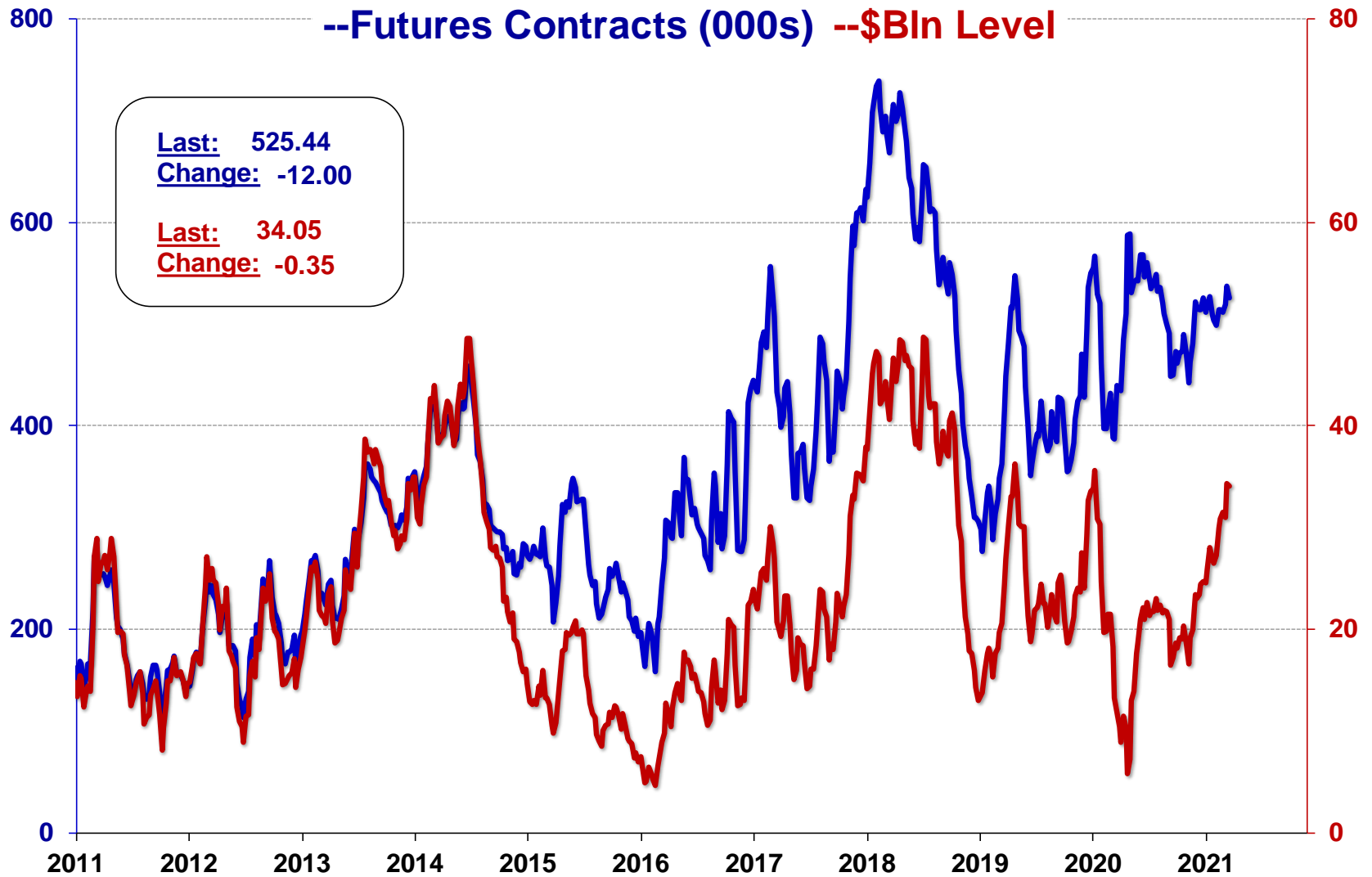
Last: 525.44

Chng: -12.00



# Crude Oil Net Non-Commercial Position

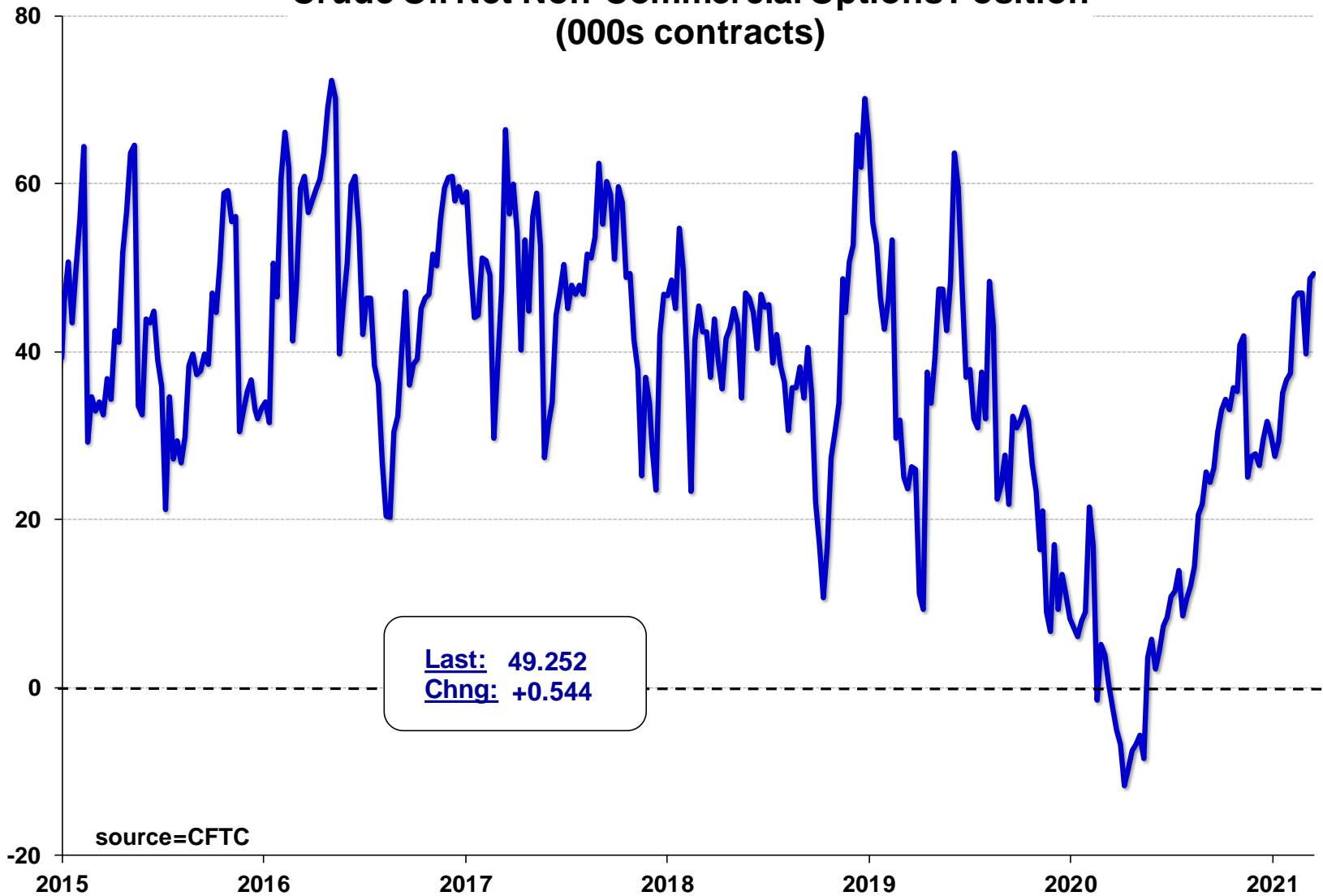
--Futures Contracts (000s) --\$Bln Level



Last: 525.44  
Change: -12.00

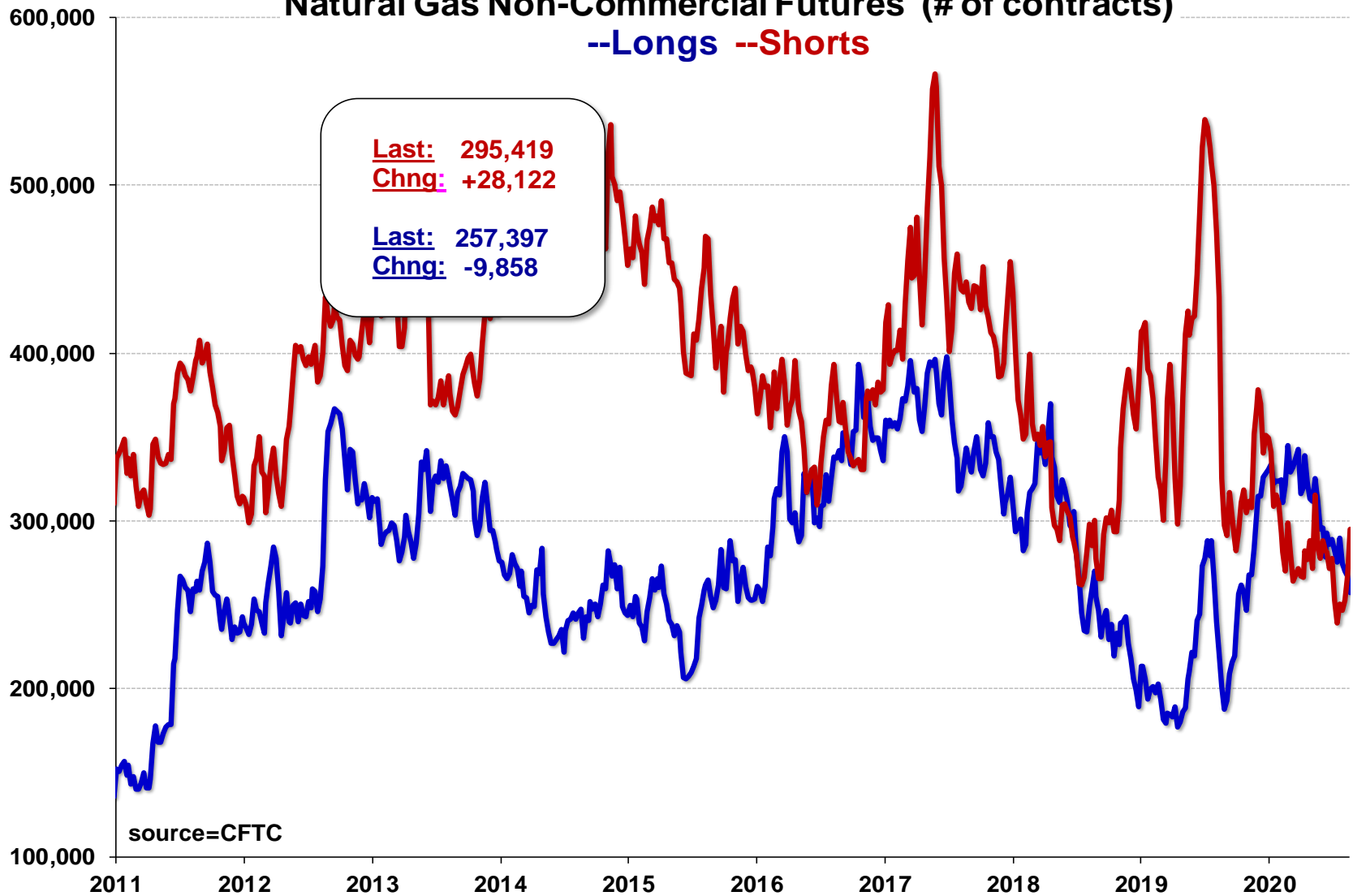
Last: 34.05  
Change: -0.35

## Crude Oil Net Non-Commercial Options Position (000s contracts)



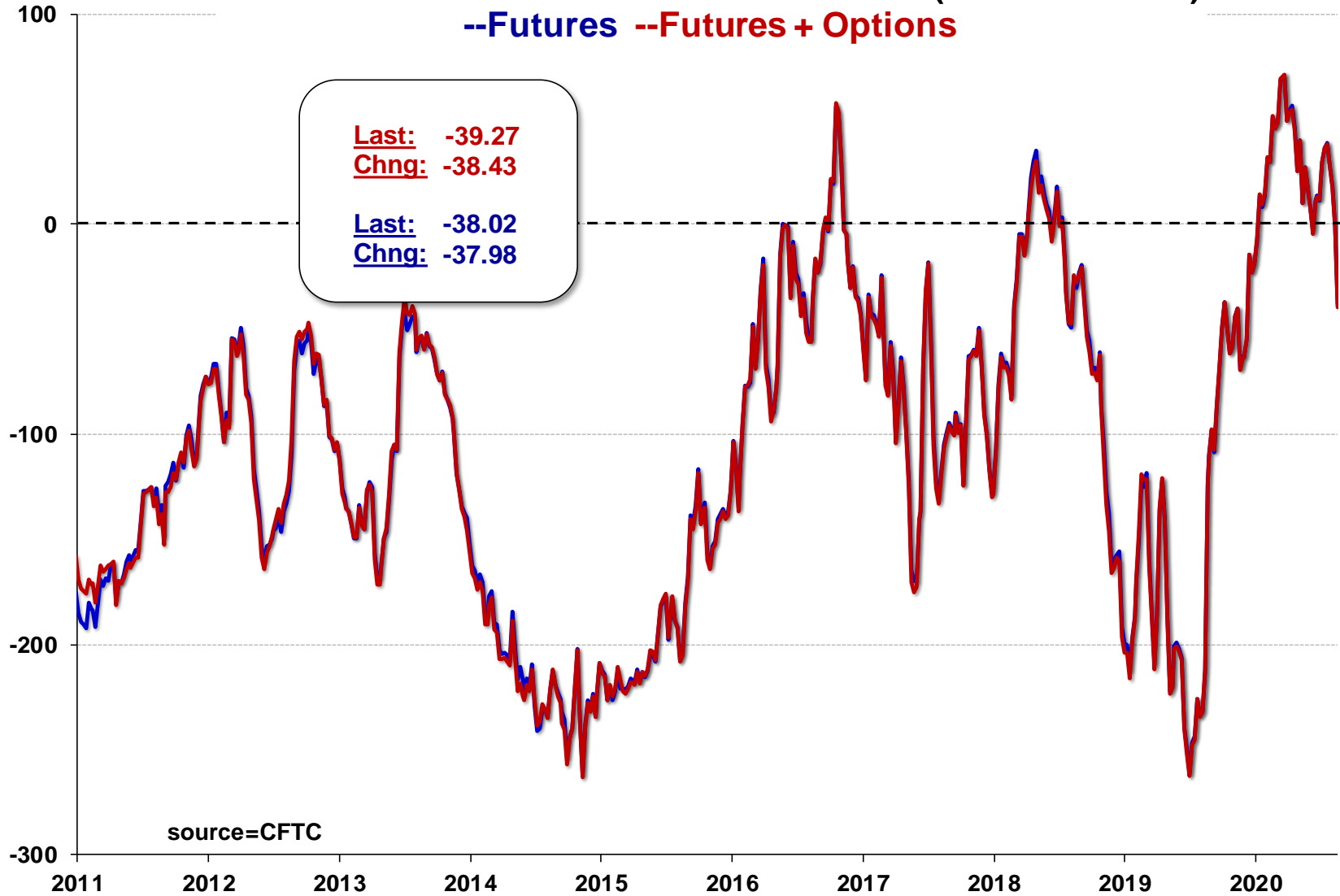
# Natural Gas Non-Commercial Futures (# of contracts)

--Longs --Shorts



# Natural Gas Net Non-Commercial Position (000s contracts)

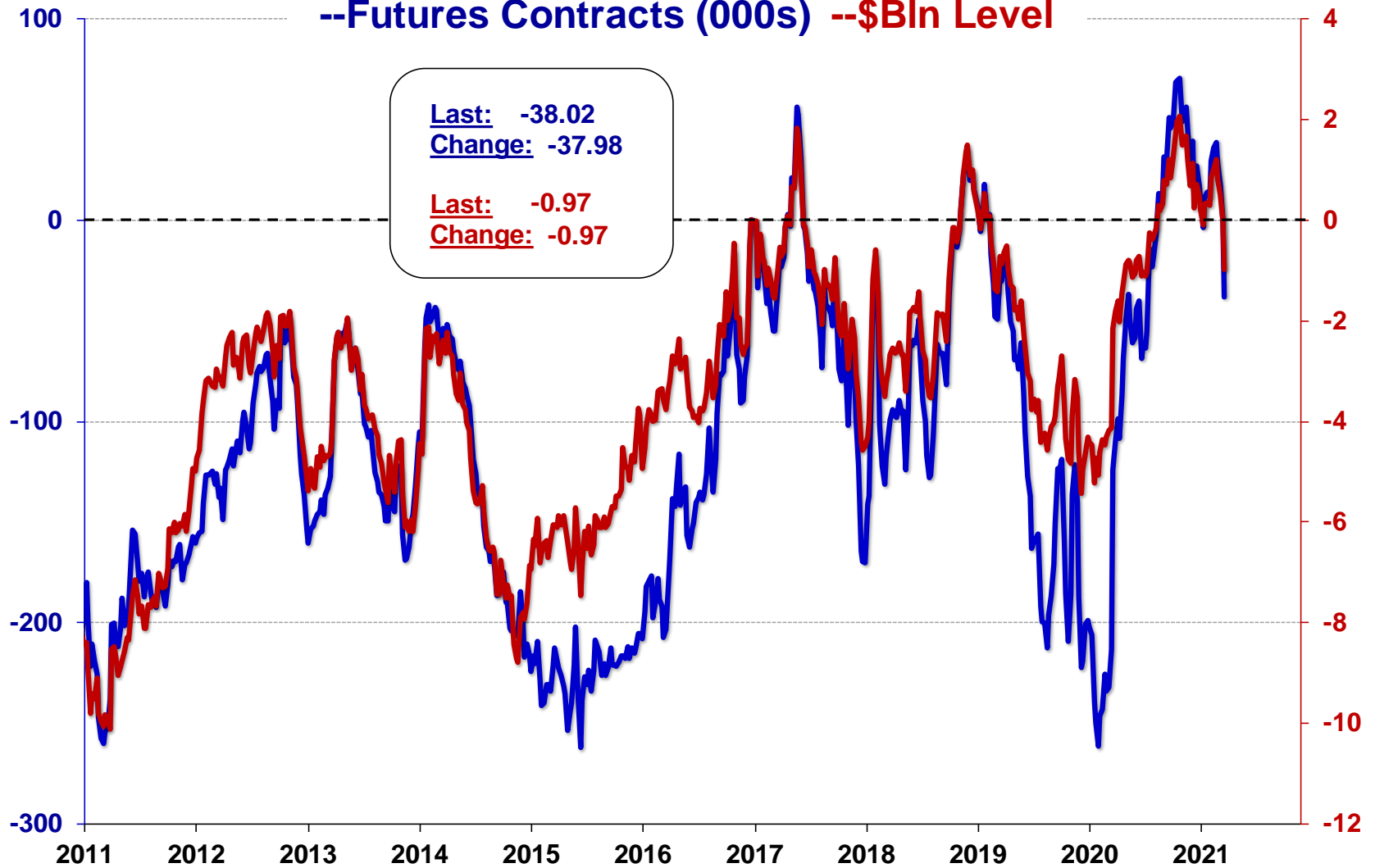
--Futures --Futures + Options



source=CFTC

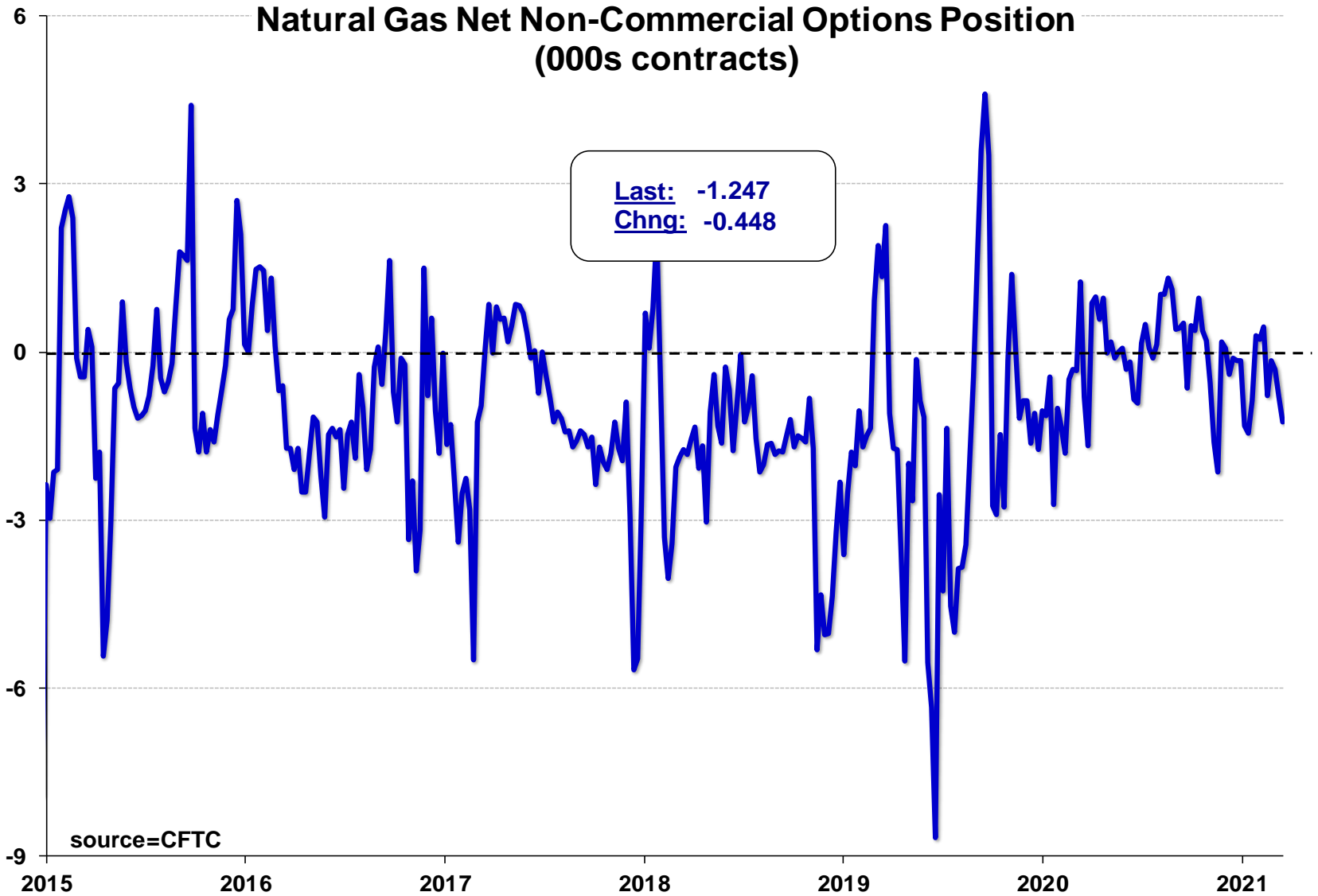
# Natural Gas Net Non-Commercial Position

--Futures Contracts (000s) --\$Bln Level





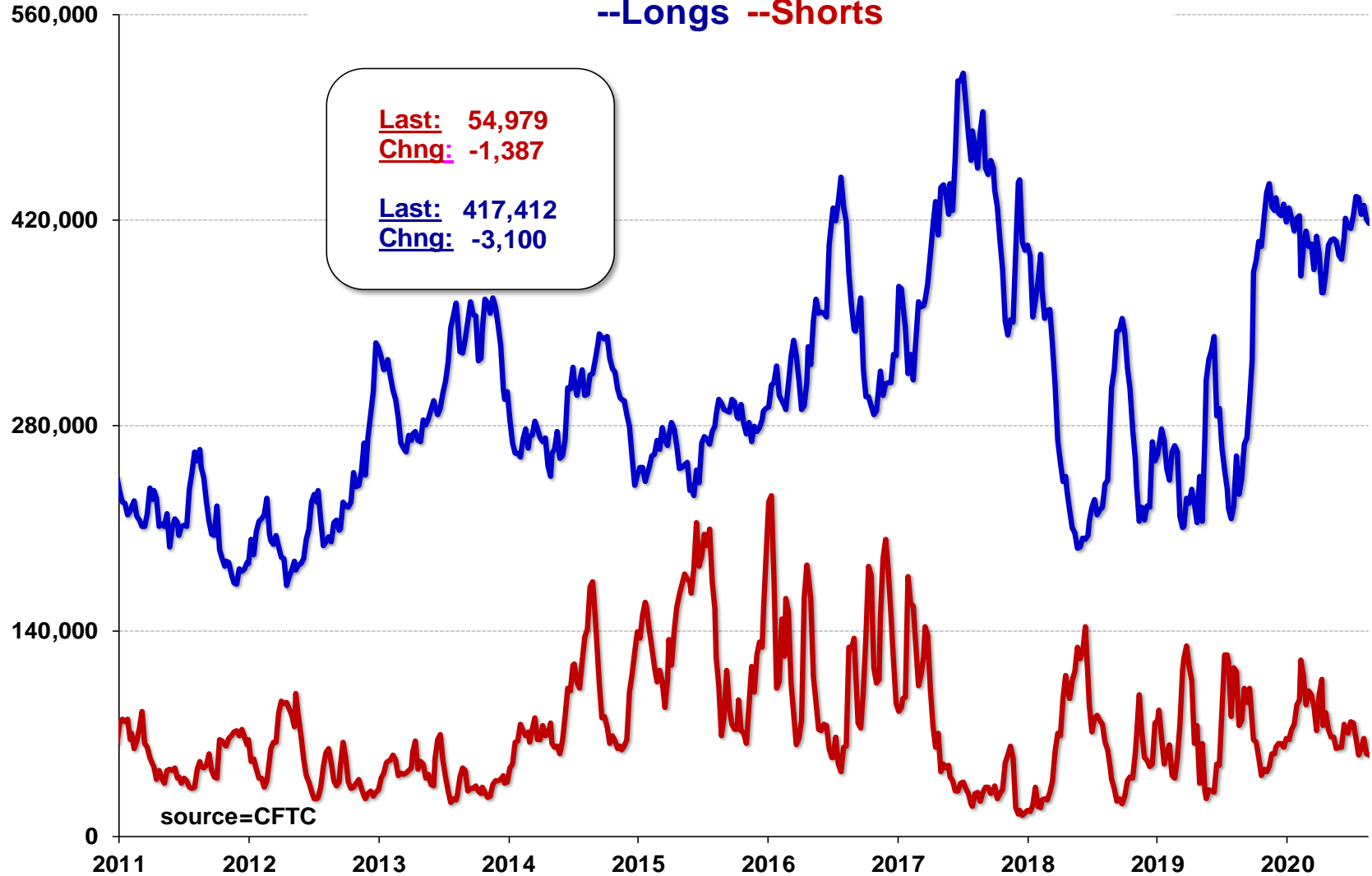
## Natural Gas Net Non-Commercial Options Position (000s contracts)



source=CFTC

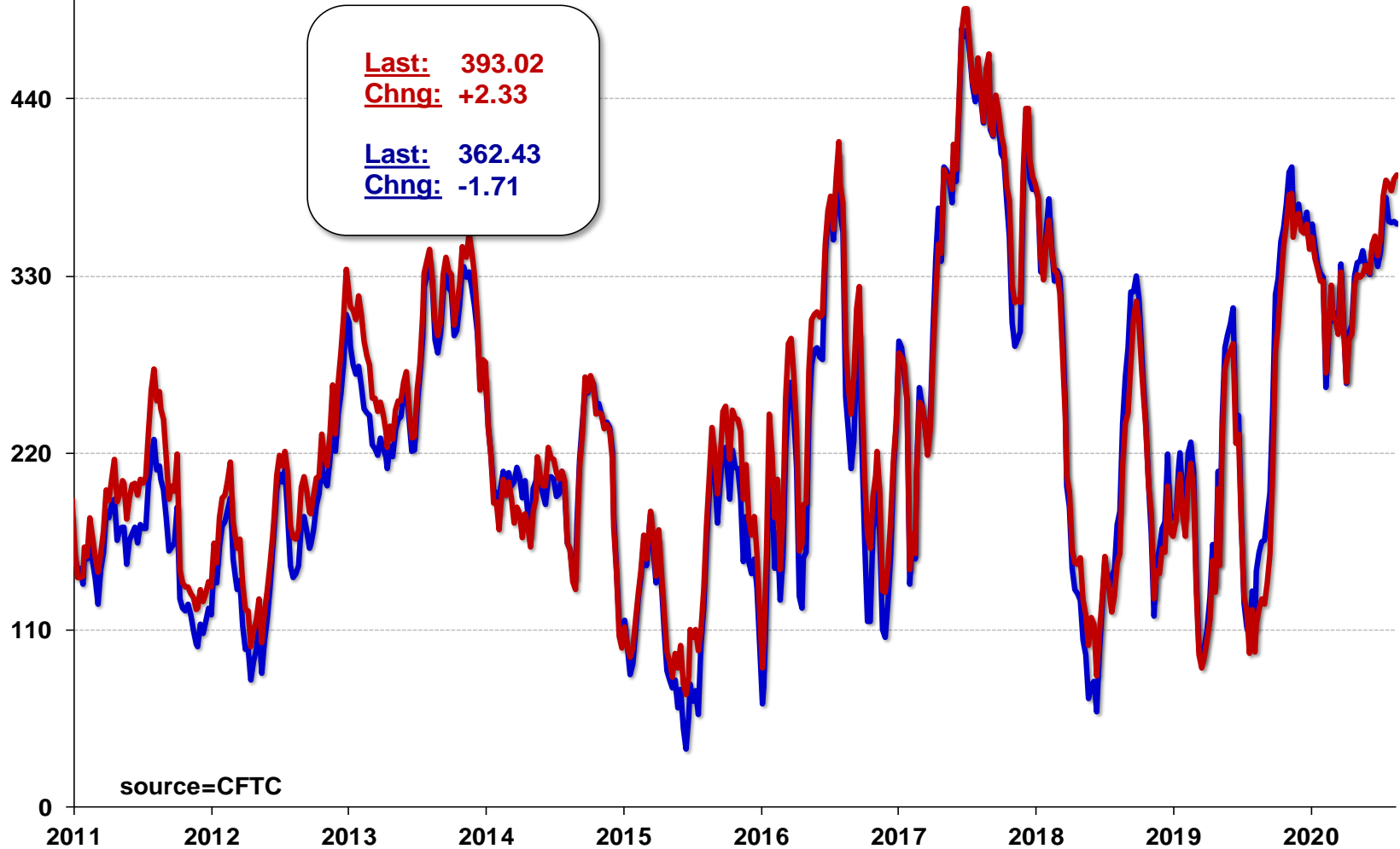
# Crude Oil Managed Money Futures (# of contracts)

--Longs --Shorts

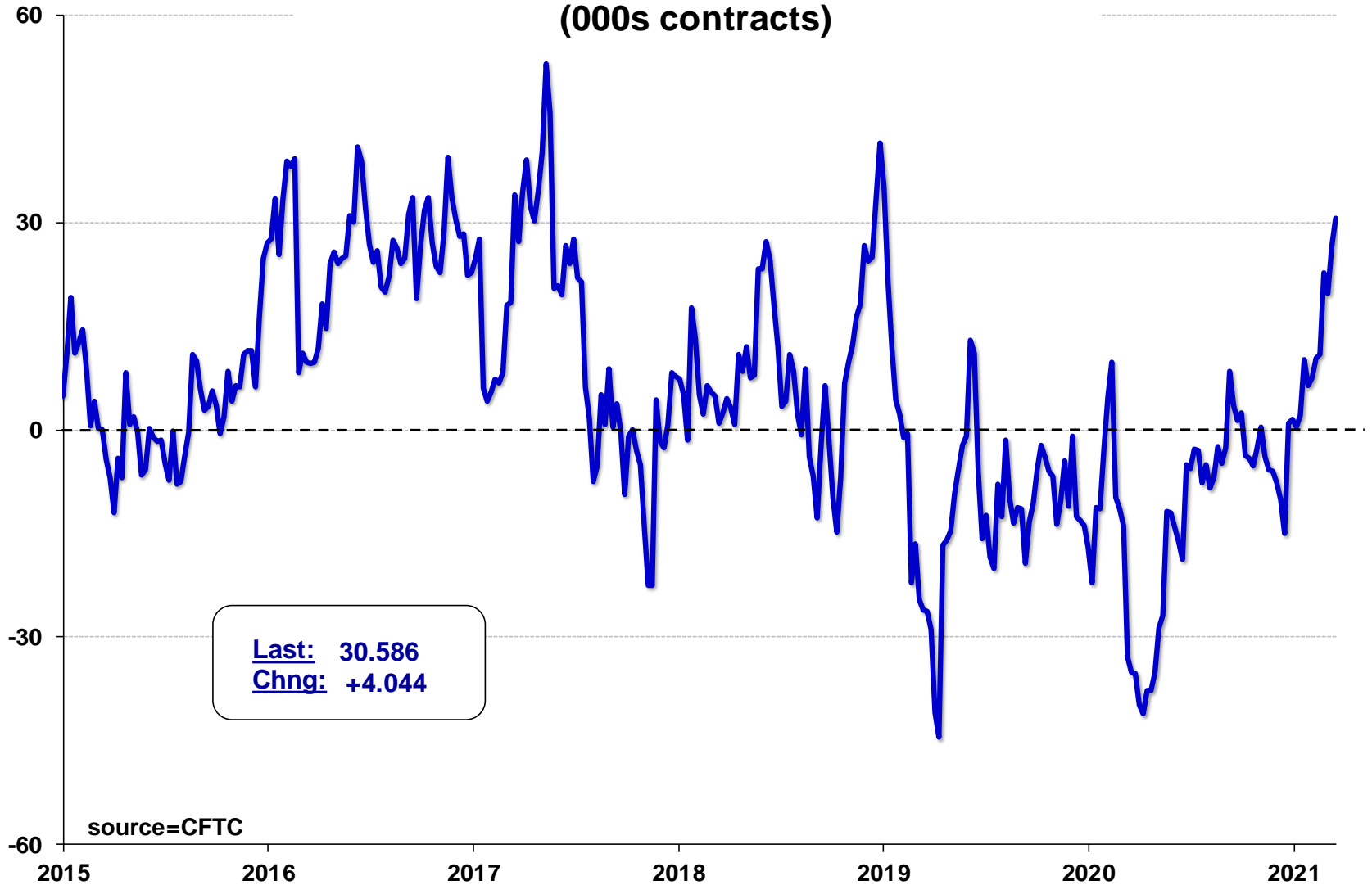


# Crude Oil Managed Money Net Position (000s contracts)

--Futures --Futures + Options



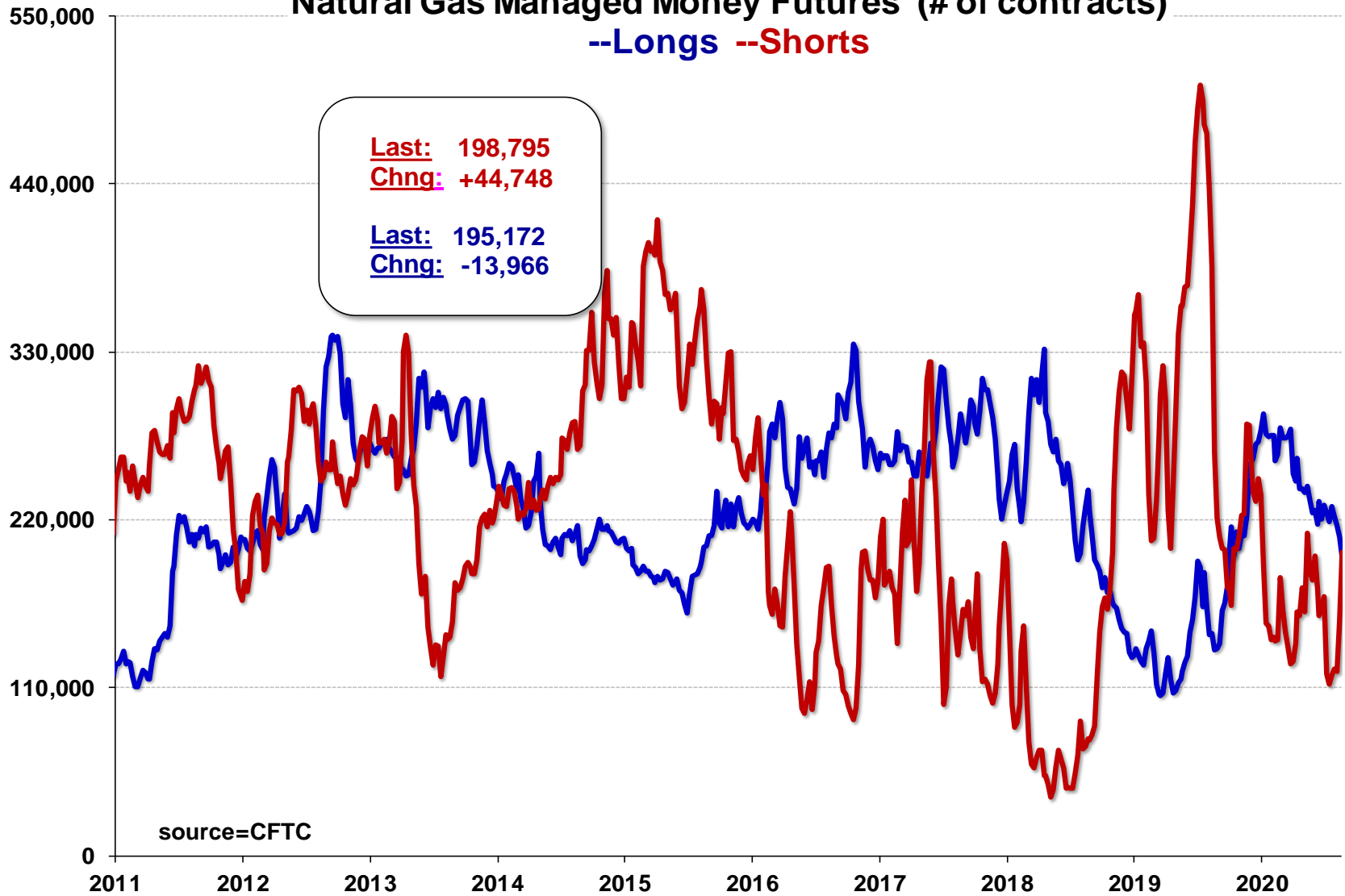
## Crude Oil Managed Money Net Options Position (000s contracts)



Last: 30.586  
Chng: +4.044

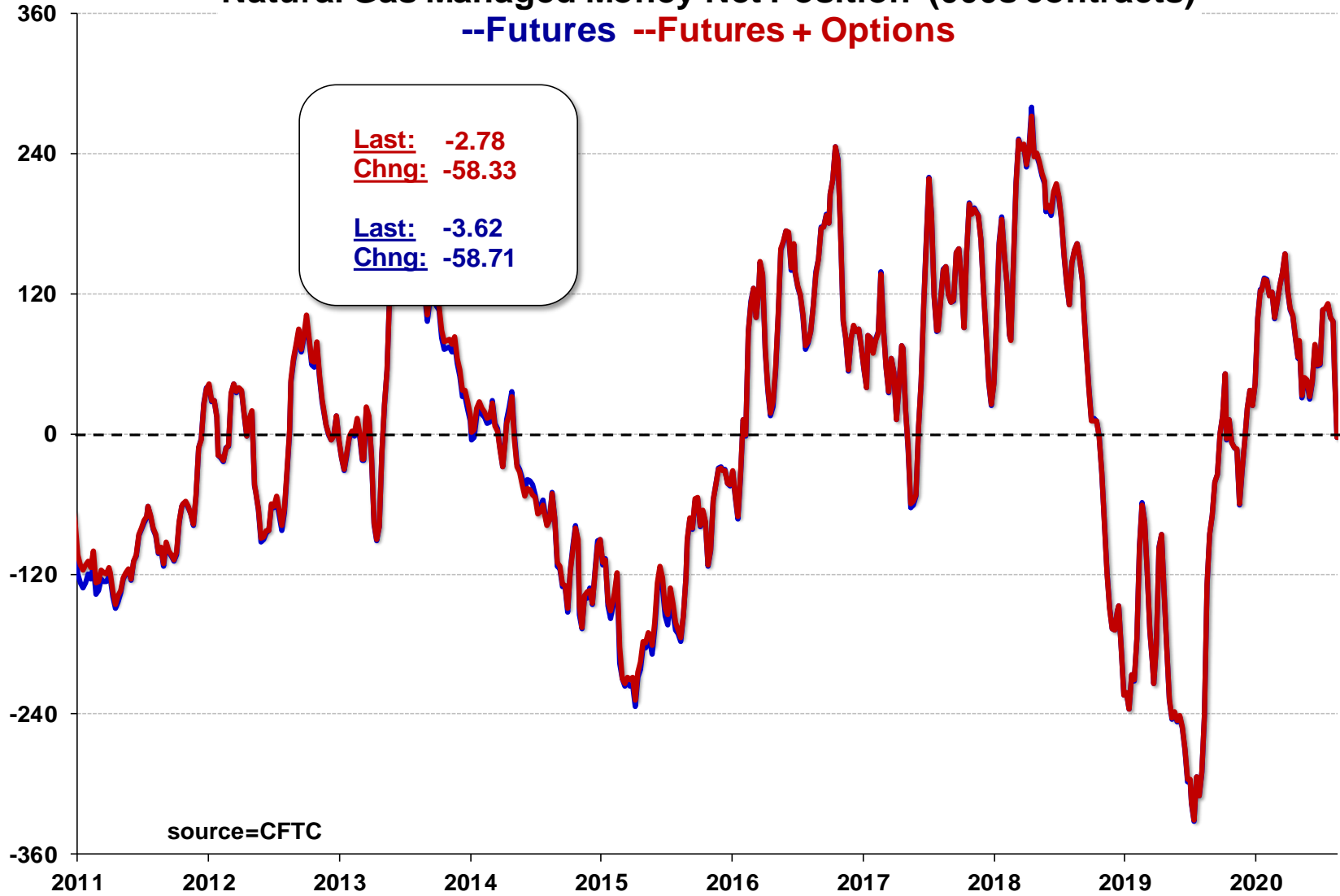
# Natural Gas Managed Money Futures (# of contracts)

--Longs --Shorts



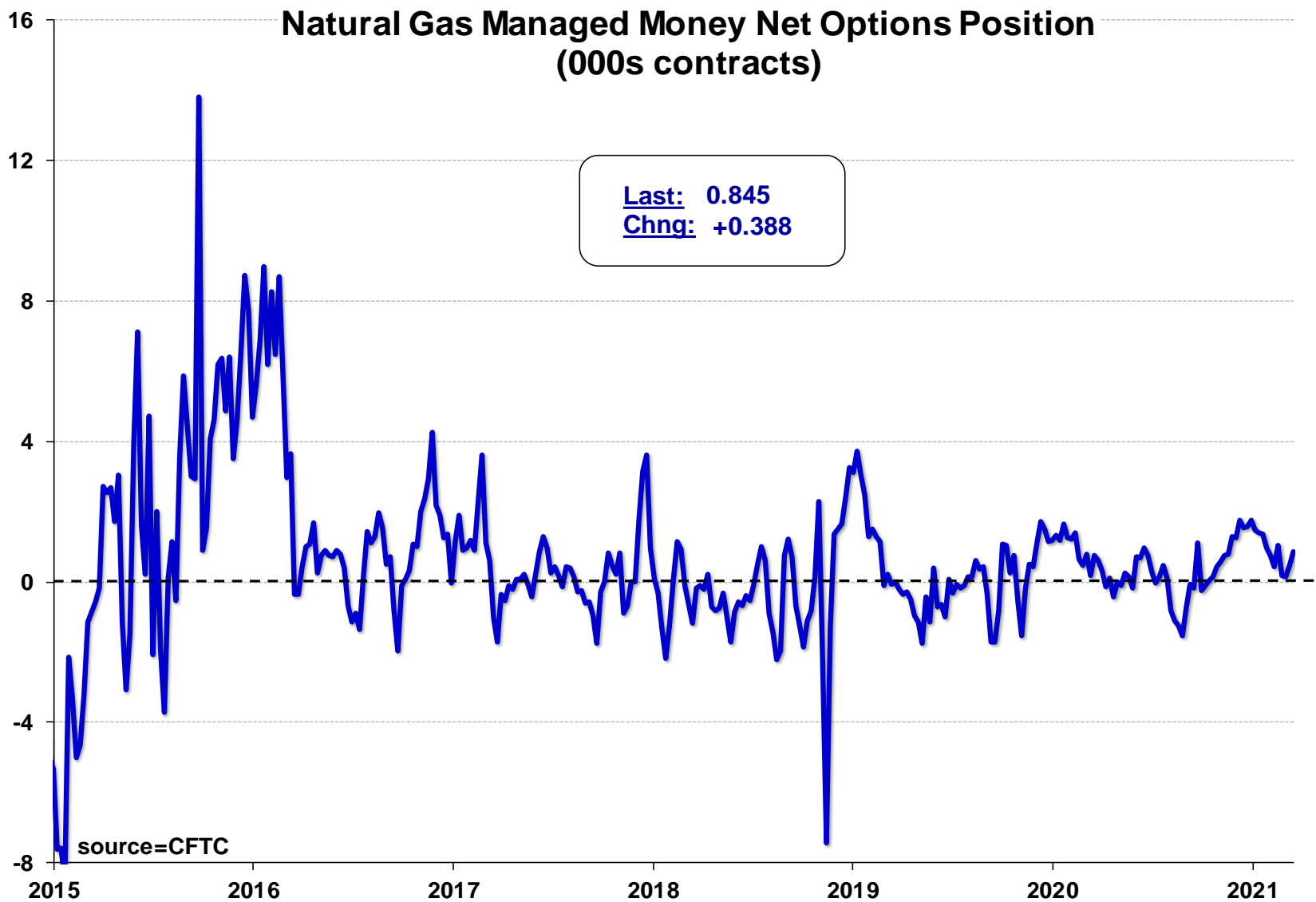
# Natural Gas Managed Money Net Position (000s contracts)

--Futures --Futures + Options



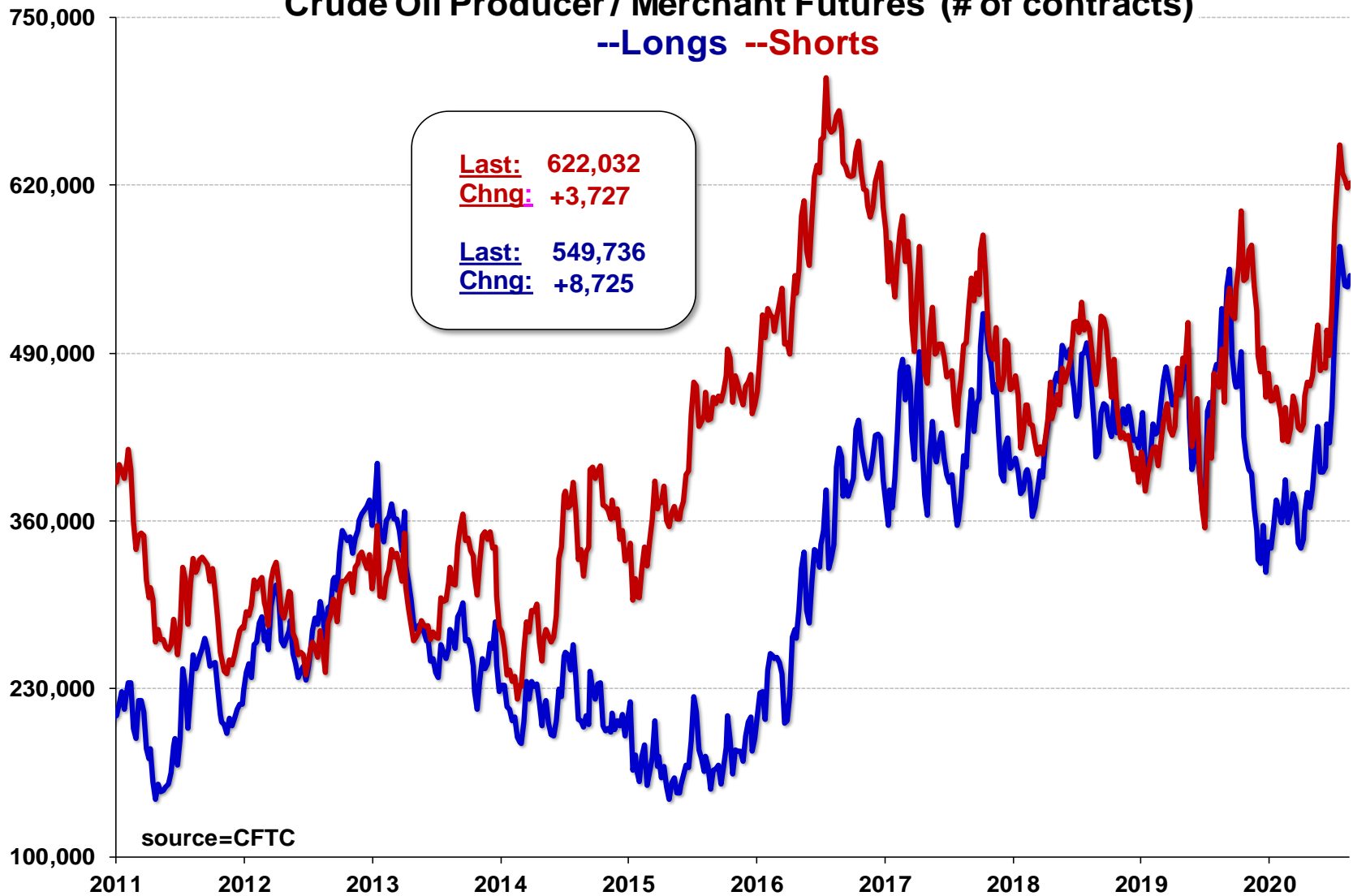
source=CFTC

## Natural Gas Managed Money Net Options Position (000s contracts)



# Crude Oil Producer / Merchant Futures (# of contracts)

--Longs --Shorts

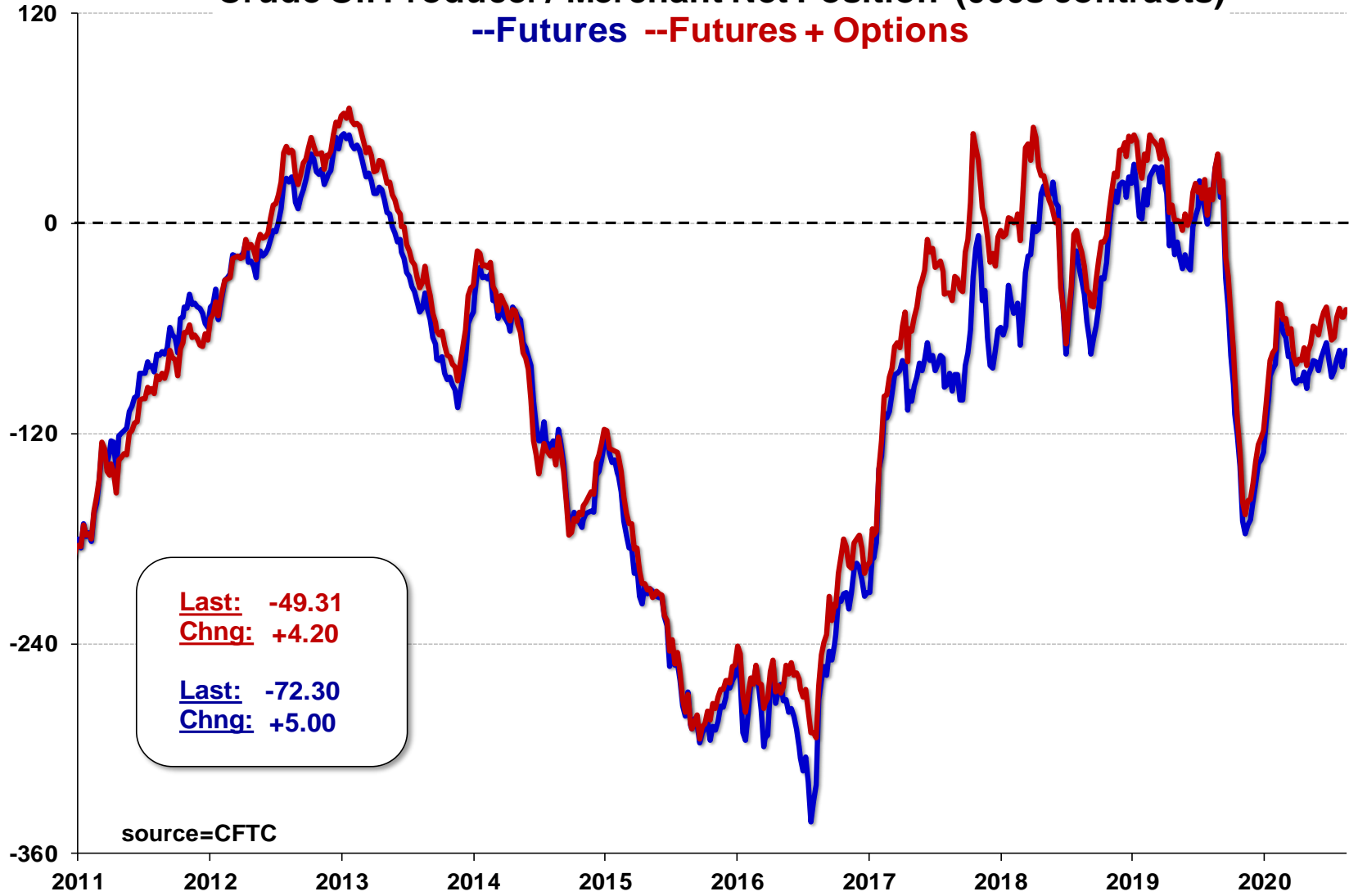


source=CFTC



# Crude Oil Producer / Merchant Net Position (000s contracts)

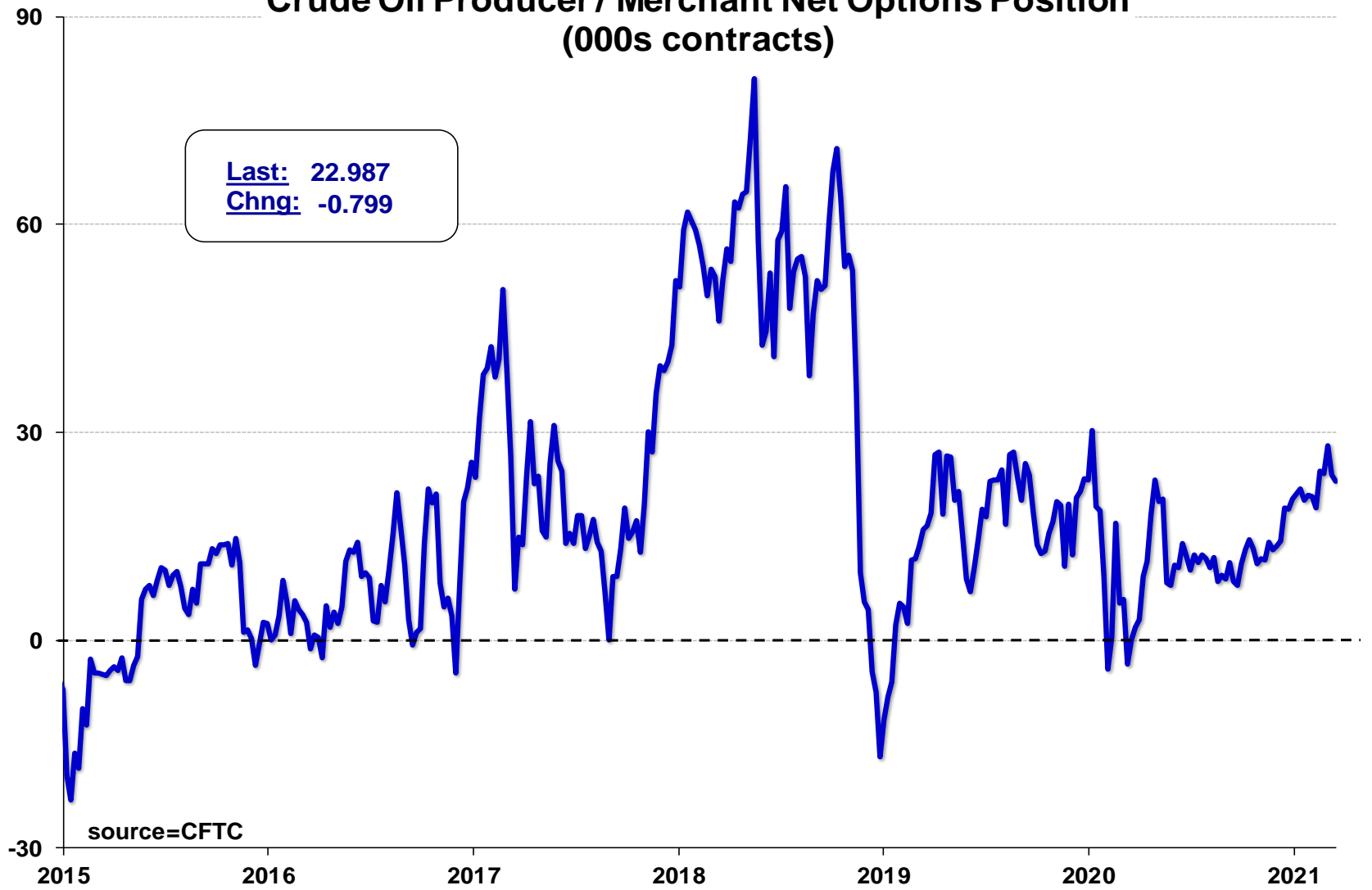
--Futures --Futures + Options



**Last: -49.31**  
**Chng: +4.20**  
**Last: -72.30**  
**Chng: +5.00**

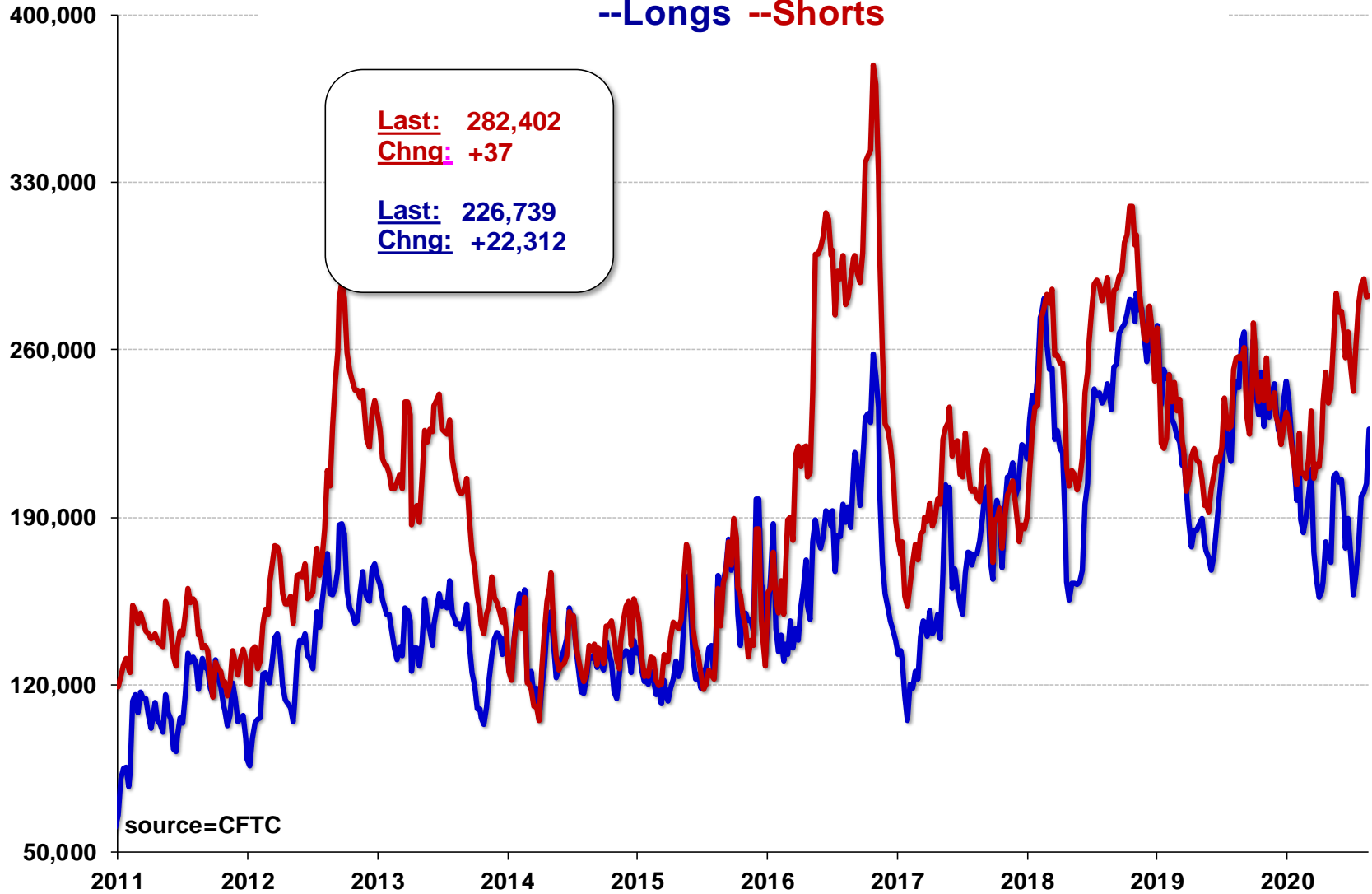
source=CFTC

## Crude Oil Producer / Merchant Net Options Position (000s contracts)



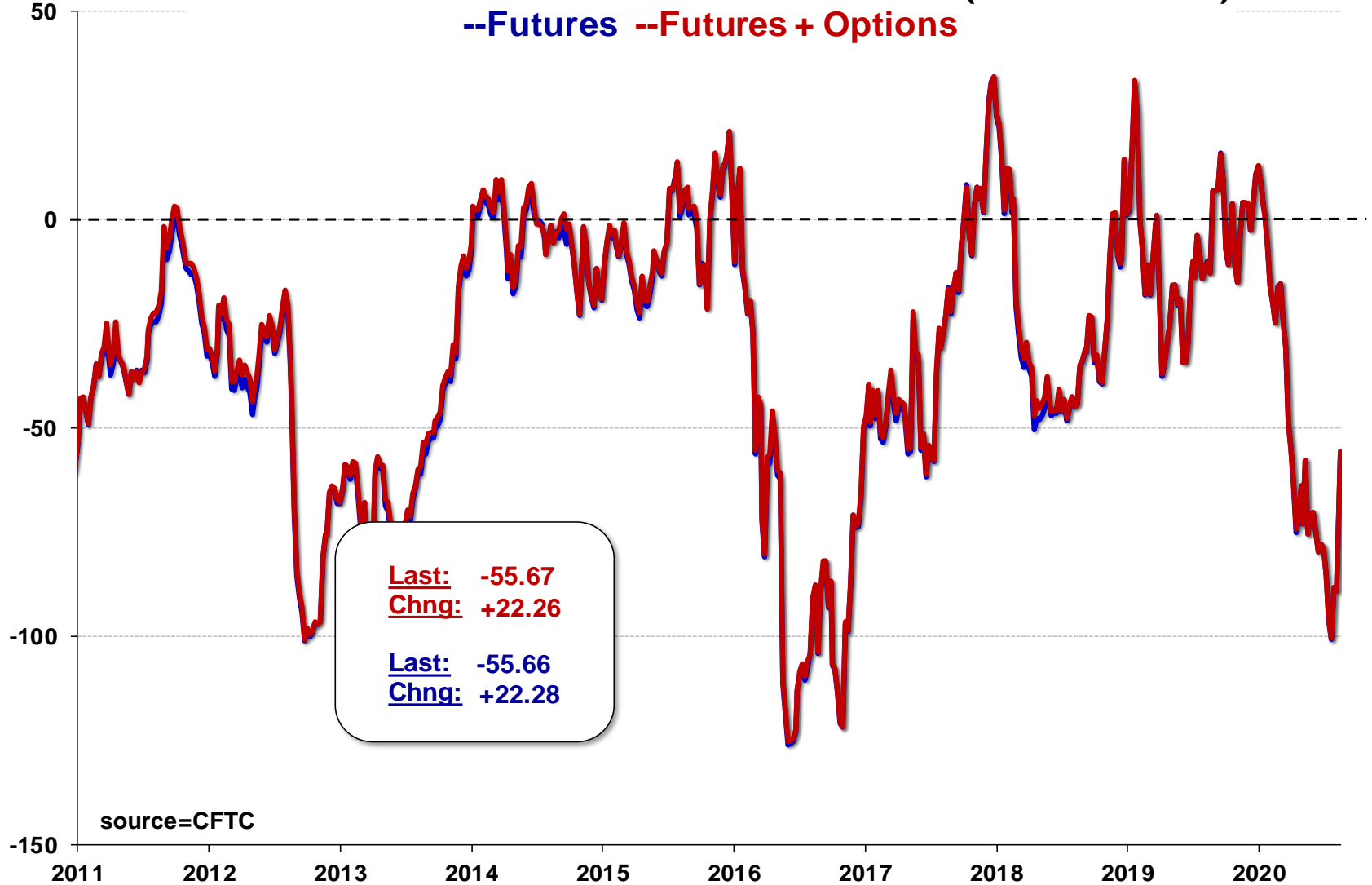
# Natural Gas Producer / Merchant Futures (# of contracts)

--Longs --Shorts



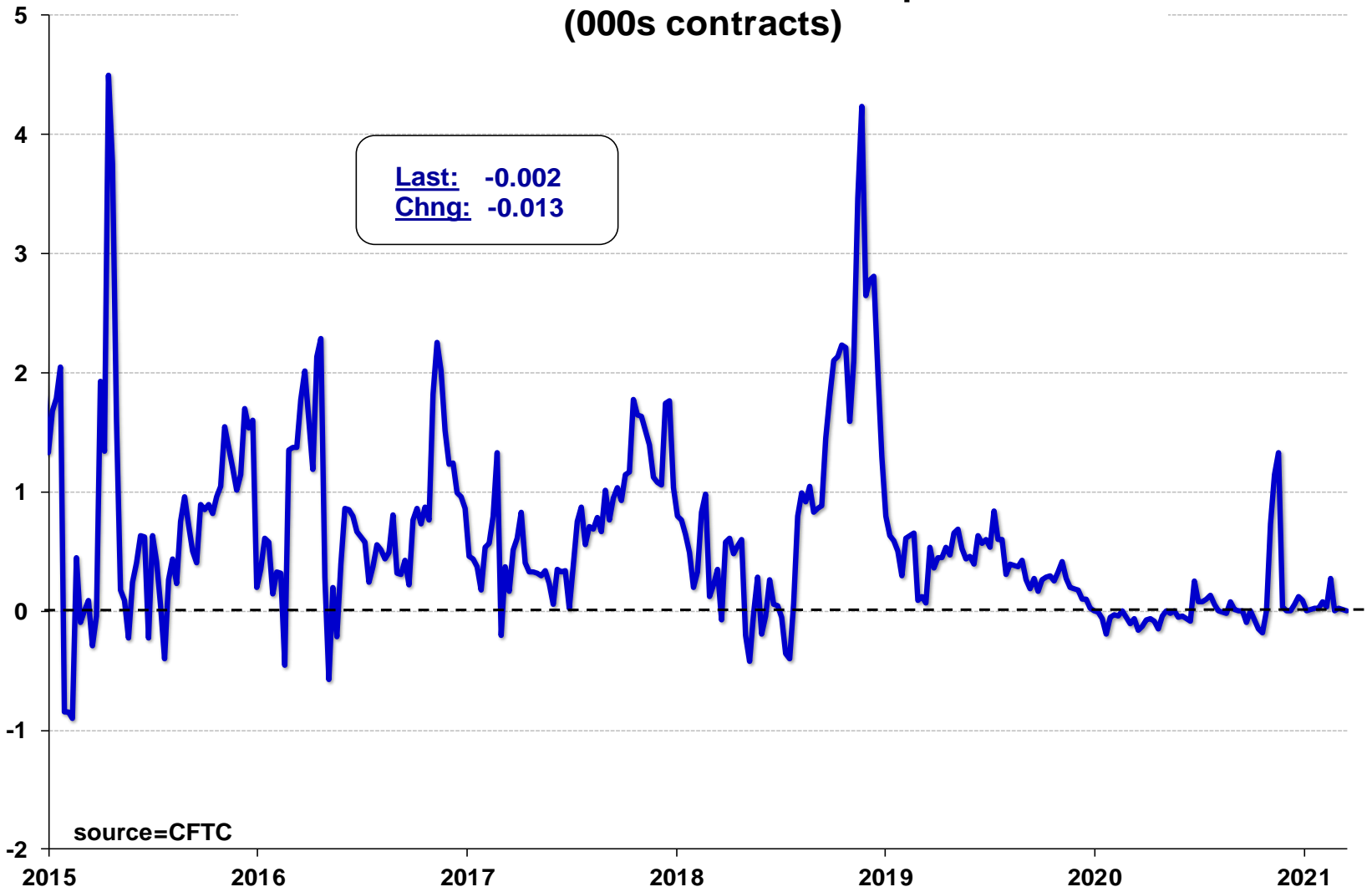
# Natural Gas Producer / Merchant Net Position (000s contracts)

--Futures --Futures + Options



source=CFTC

## Natural Gas Producer / Merchant Net Options Position (000s contracts)

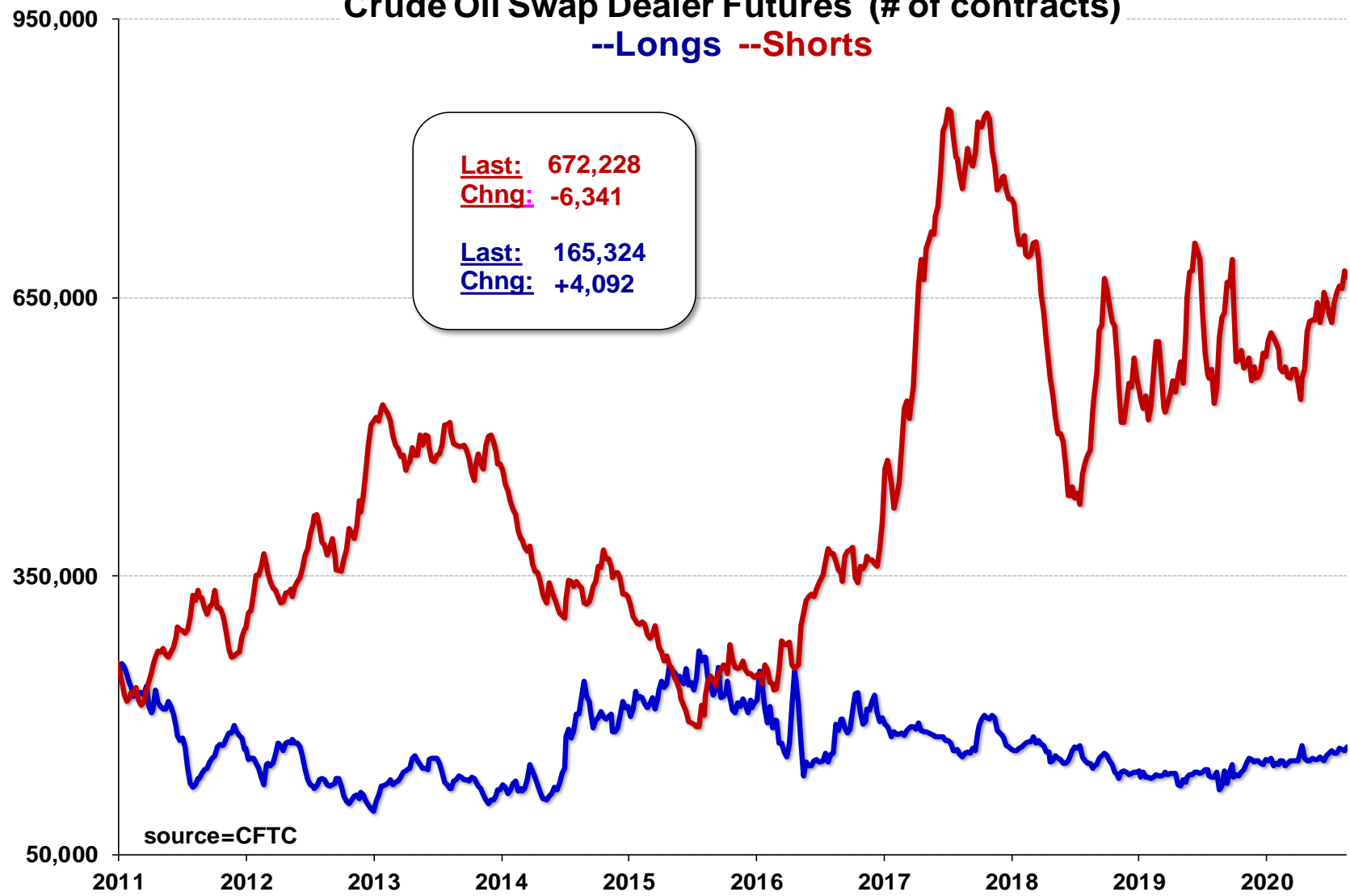


source=CFTC

Last: -0.002  
Chng: -0.013

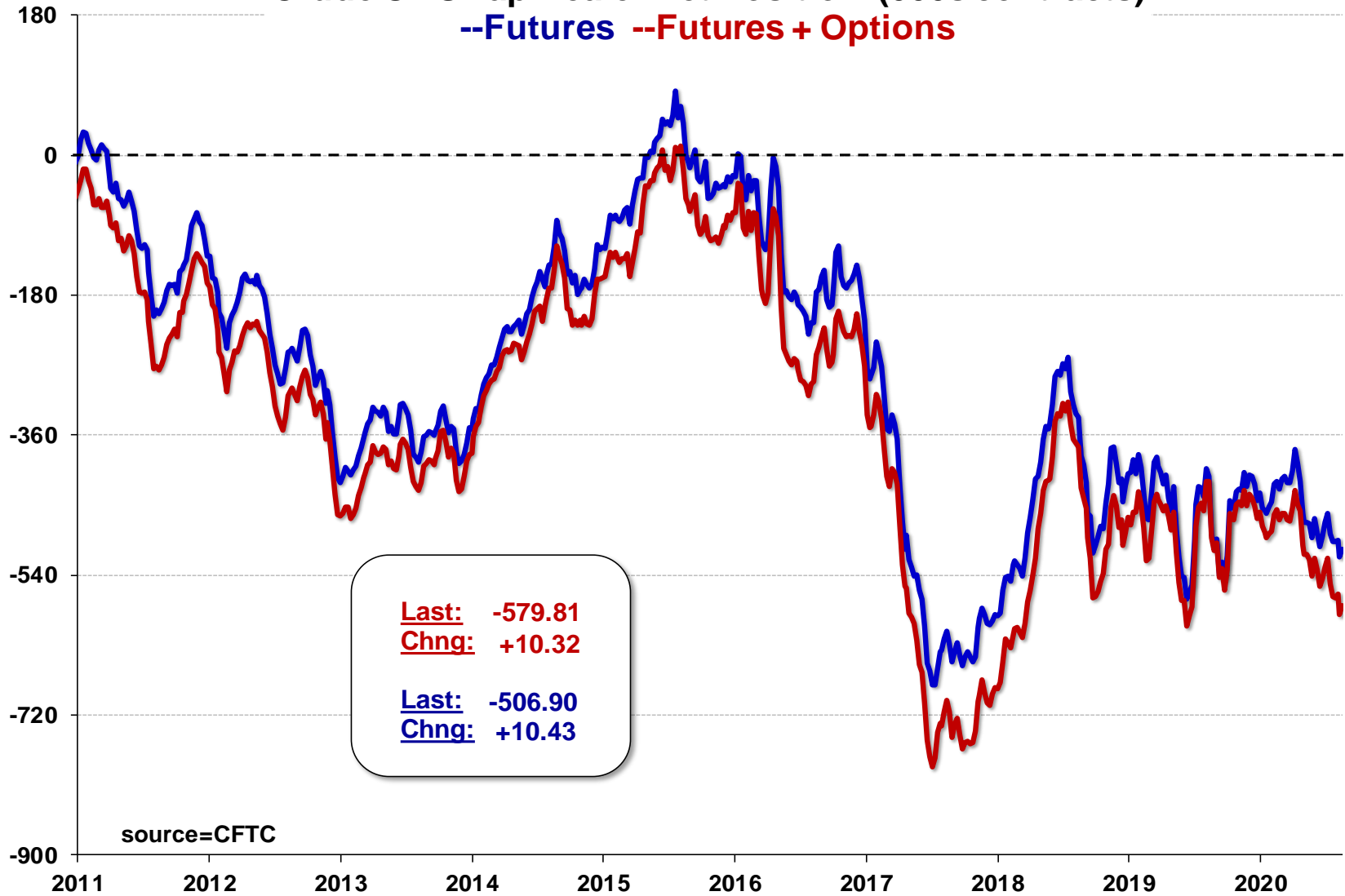
# Crude Oil Swap Dealer Futures (# of contracts)

--Longs --Shorts



# Crude Oil Swap Dealer Net Position (000s contracts)

--Futures --Futures + Options



source=CFTC

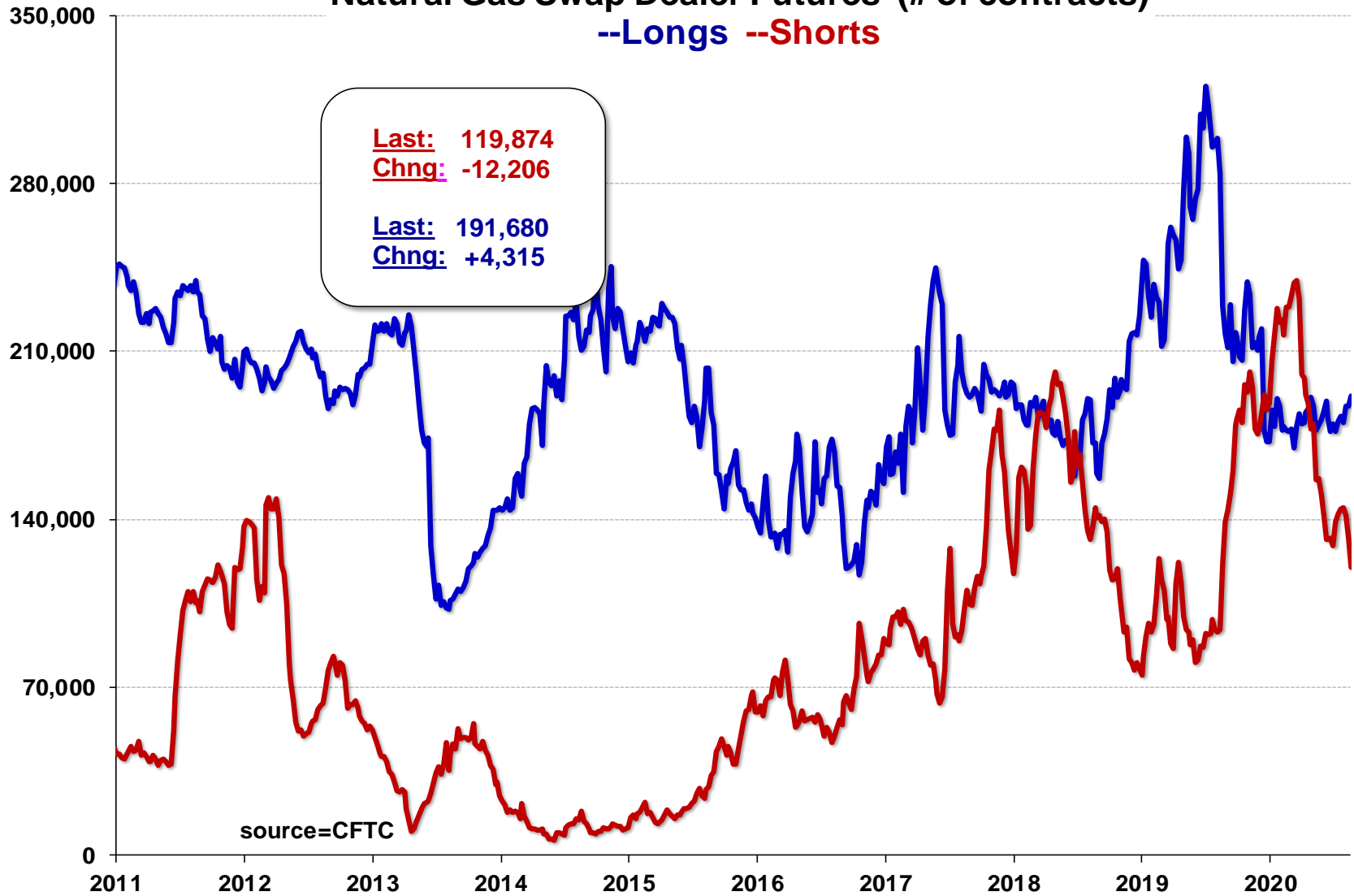
# Crude Oil Swap Dealer Net Options Position (000s contracts)

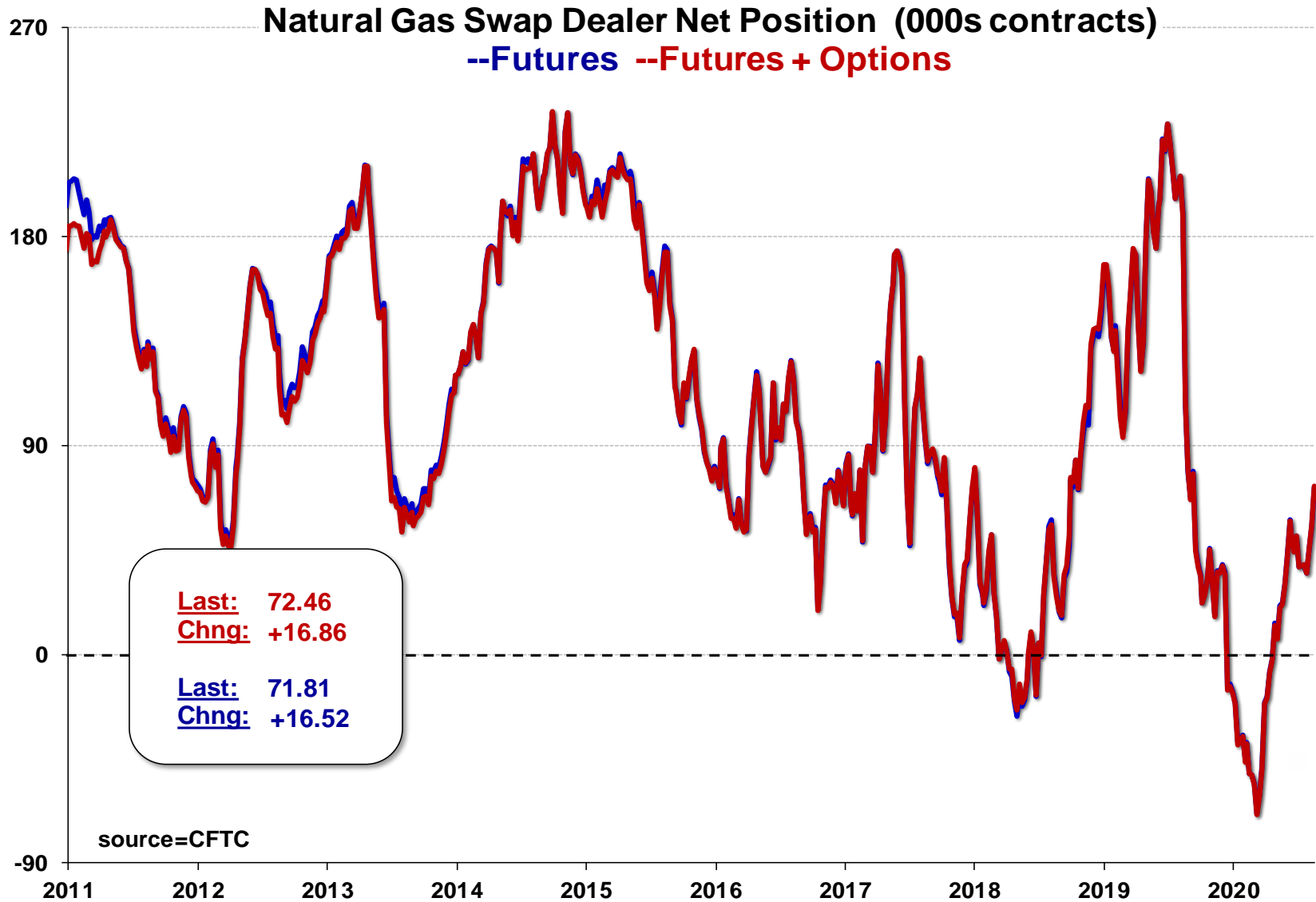




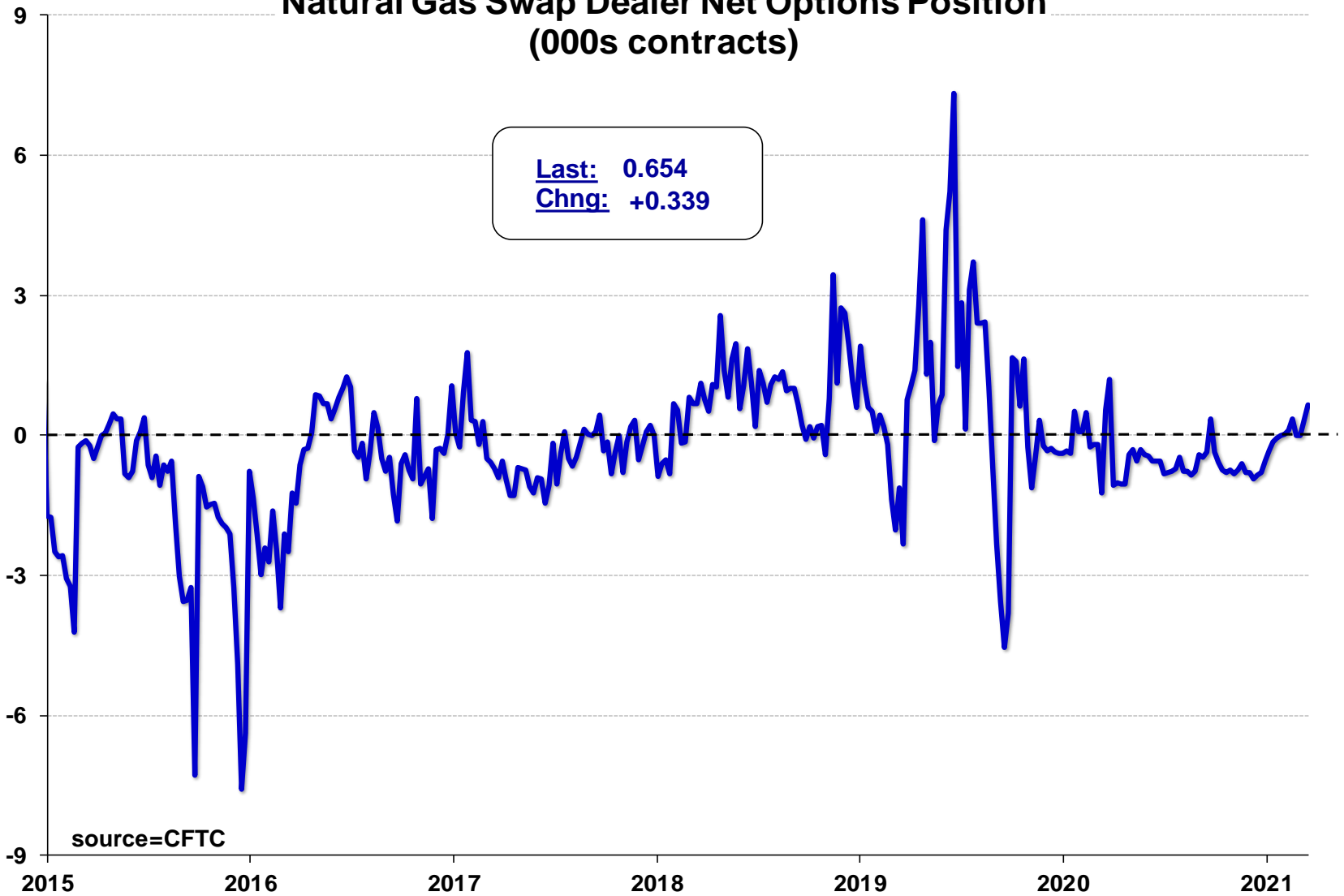
# Natural Gas Swap Dealer Futures (# of contracts)

--Longs --Shorts



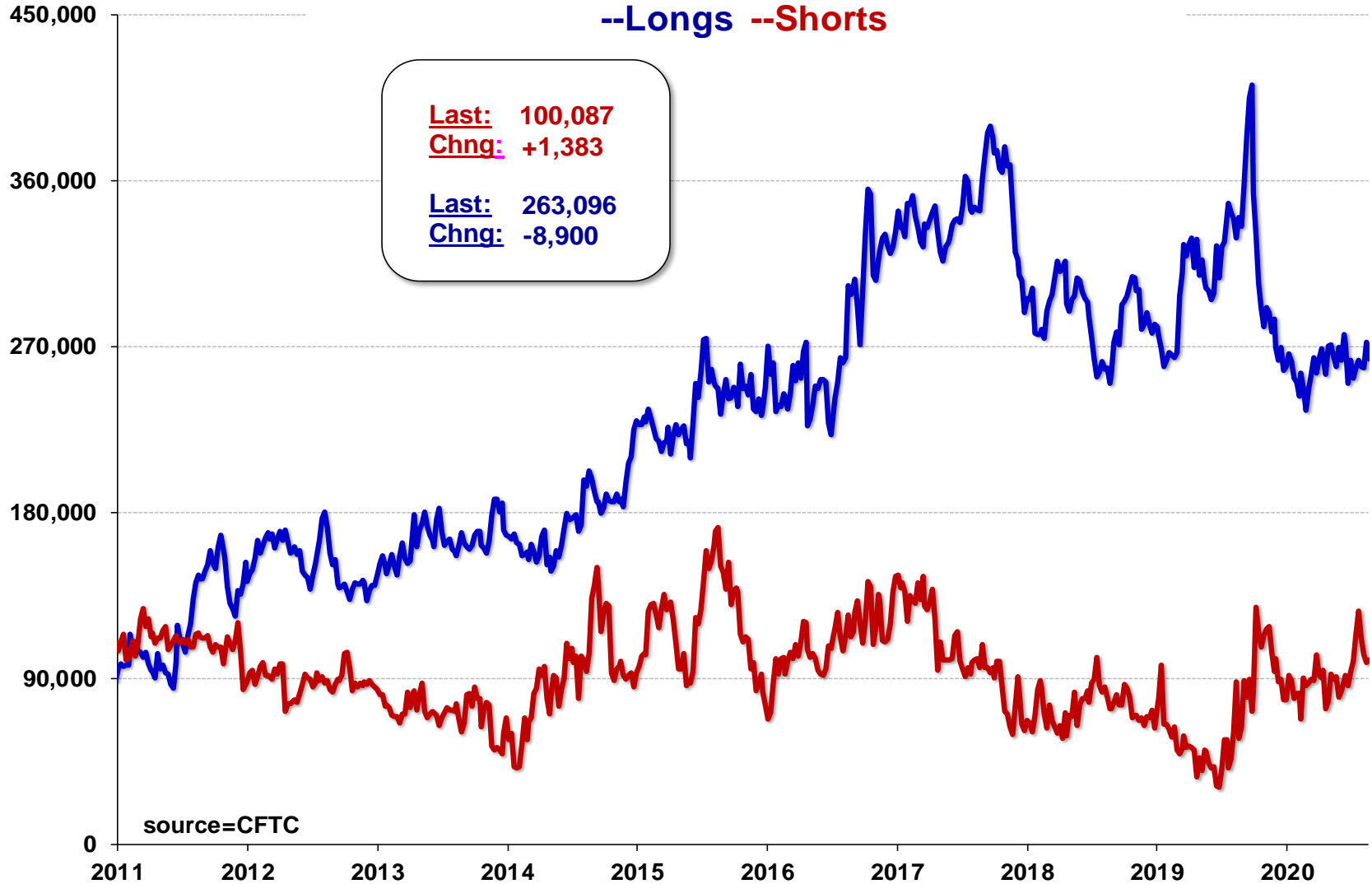


## Natural Gas Swap Dealer Net Options Position (000s contracts)



# Crude Oil Other Reportable Futures (# of contracts)

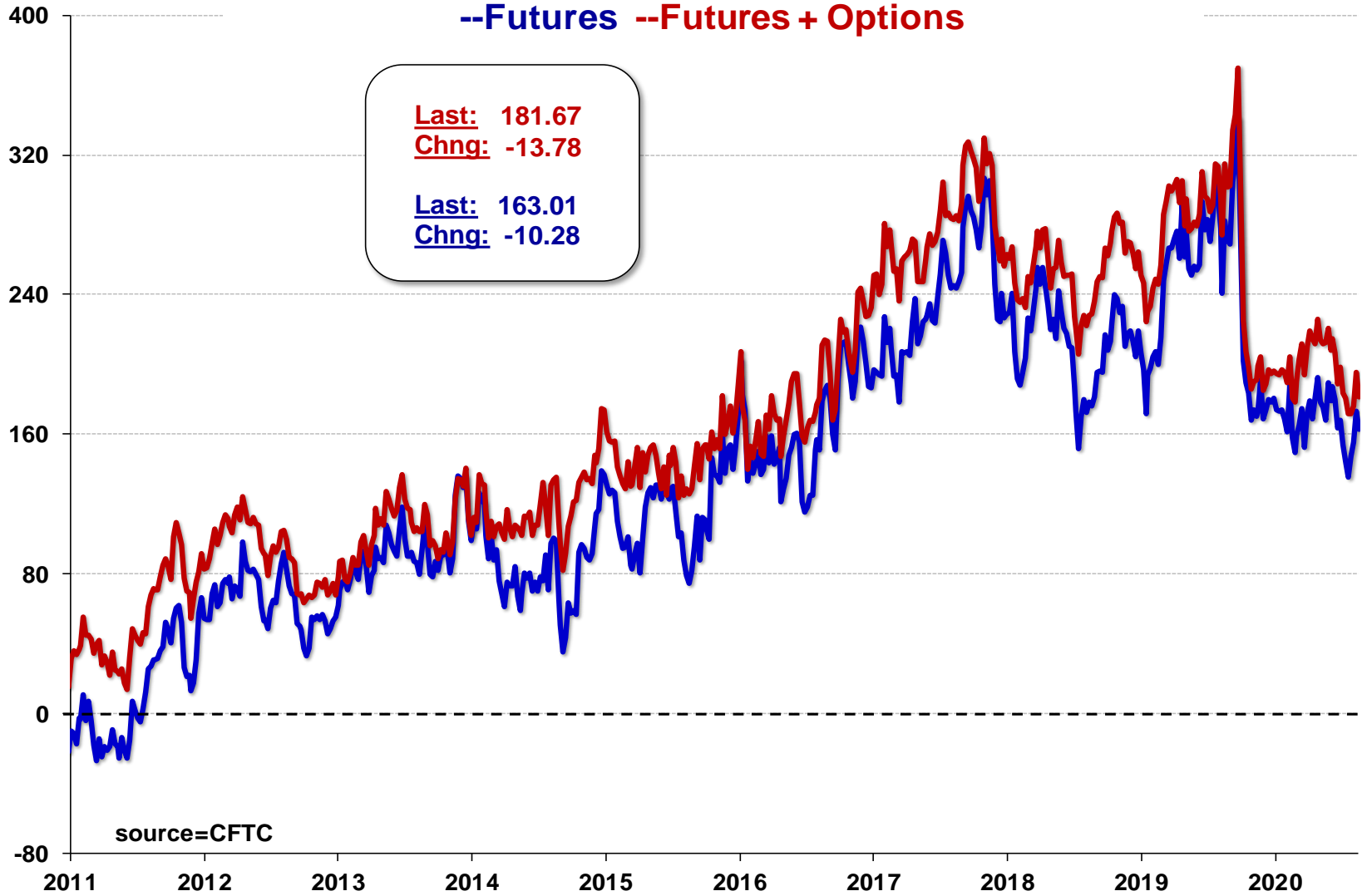
--Longs --Shorts



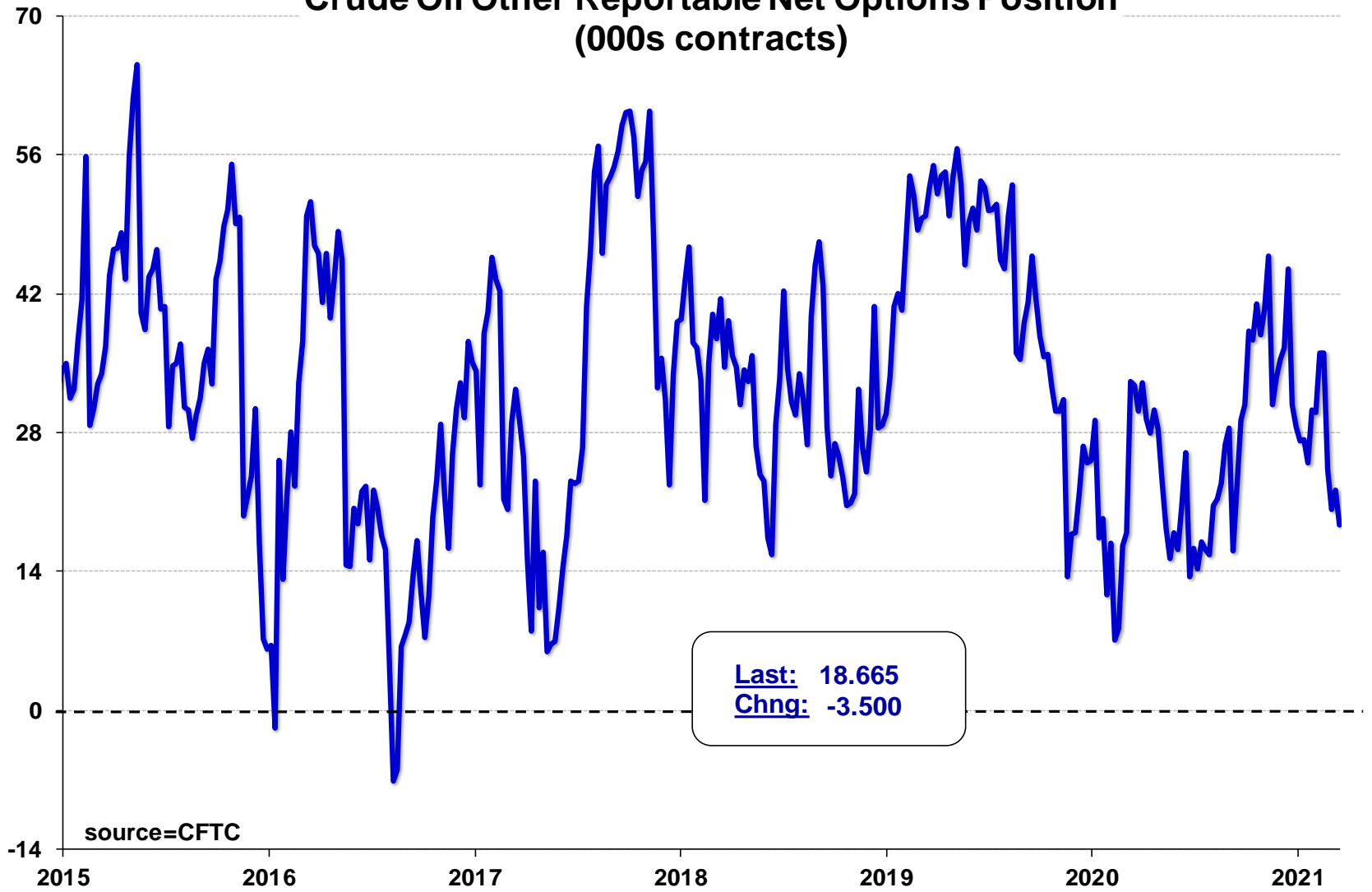
source=CFTC

# Crude Oil Other Reportable Net Position (000s contracts)

--Futures --Futures + Options

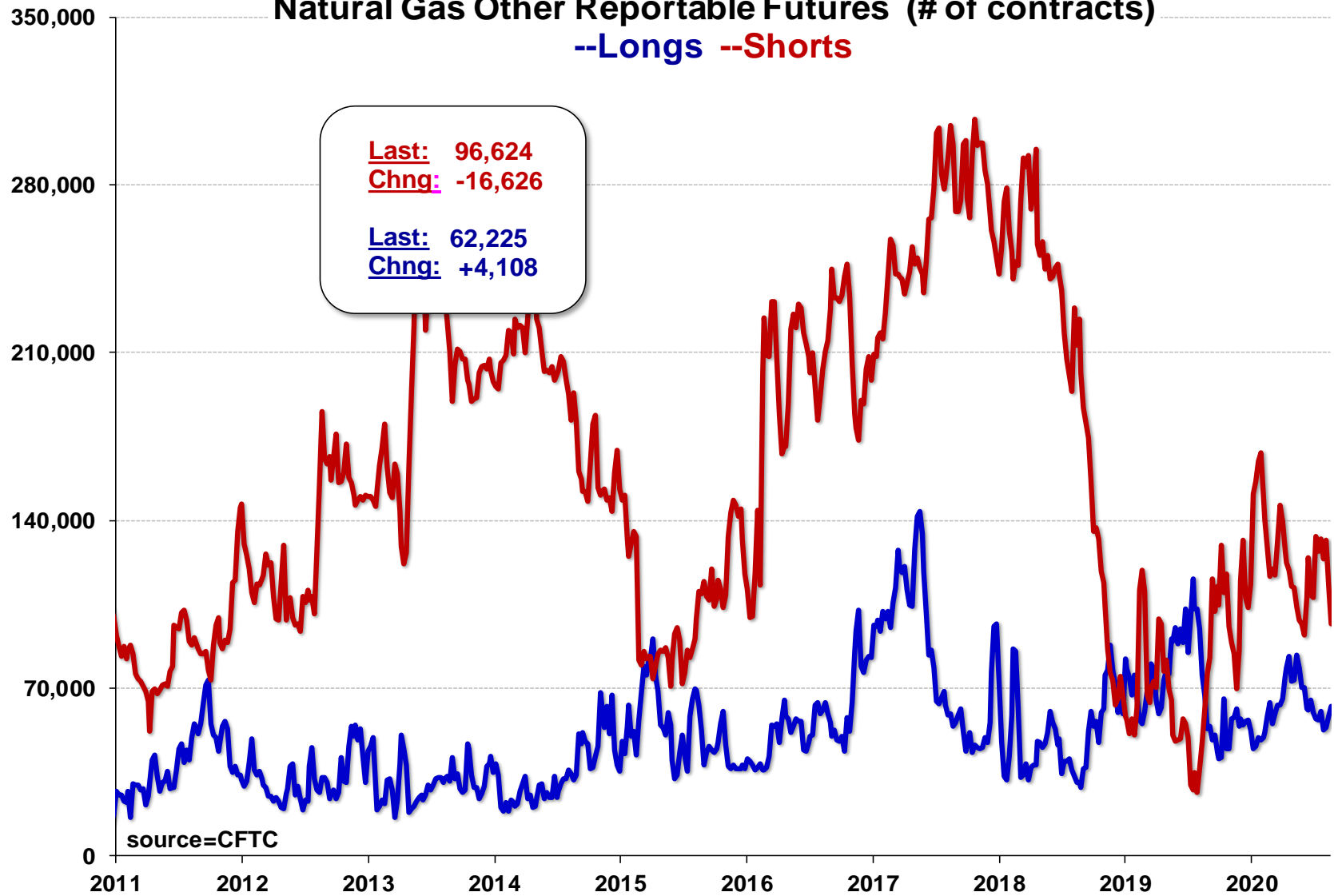


## Crude Oil Other Reportable Net Options Position (000s contracts)



# Natural Gas Other Reportable Futures (# of contracts)

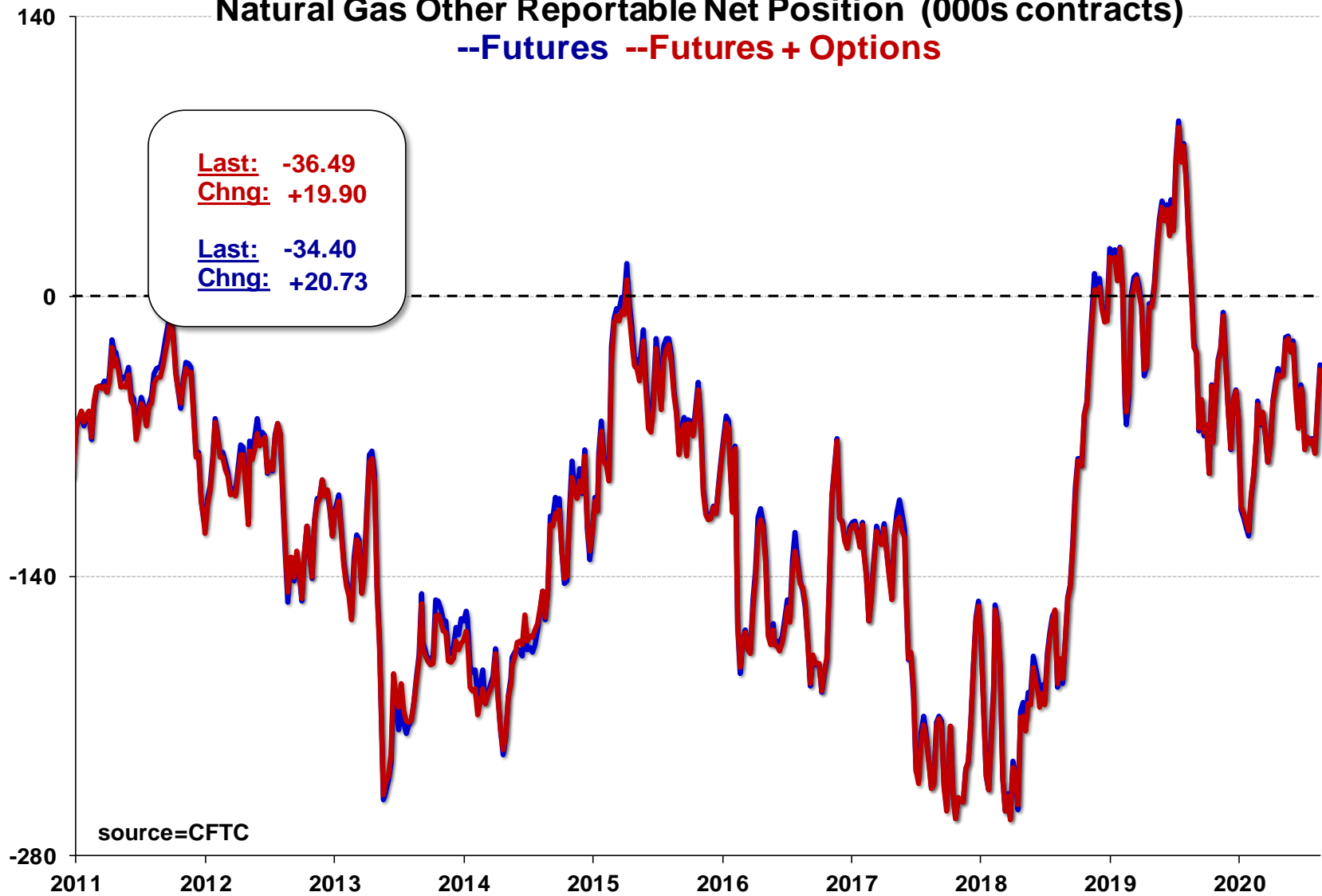
--Longs --Shorts



source=CFTC

# Natural Gas Other Reportable Net Position (000s contracts)

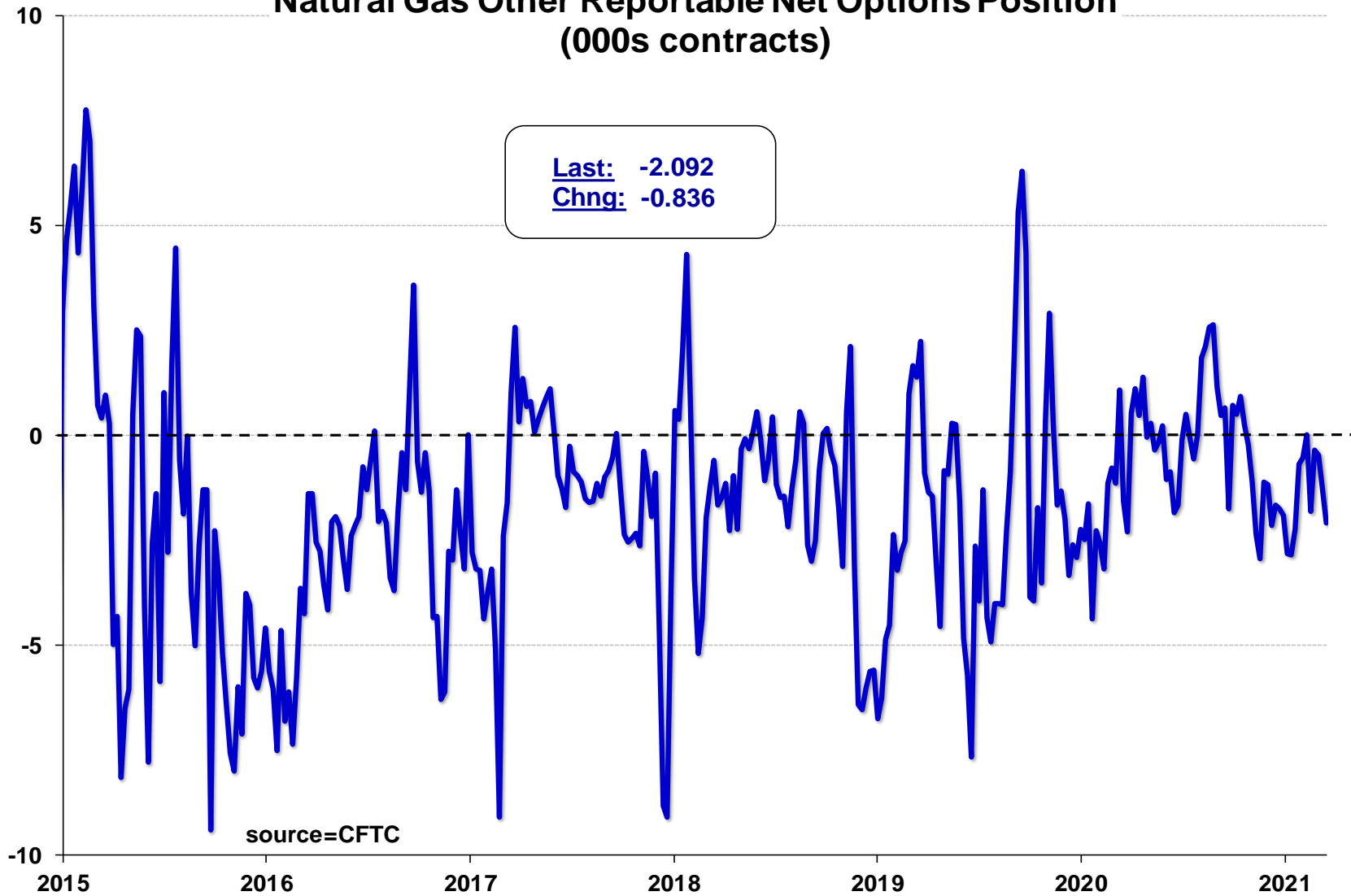
--Futures --Futures + Options



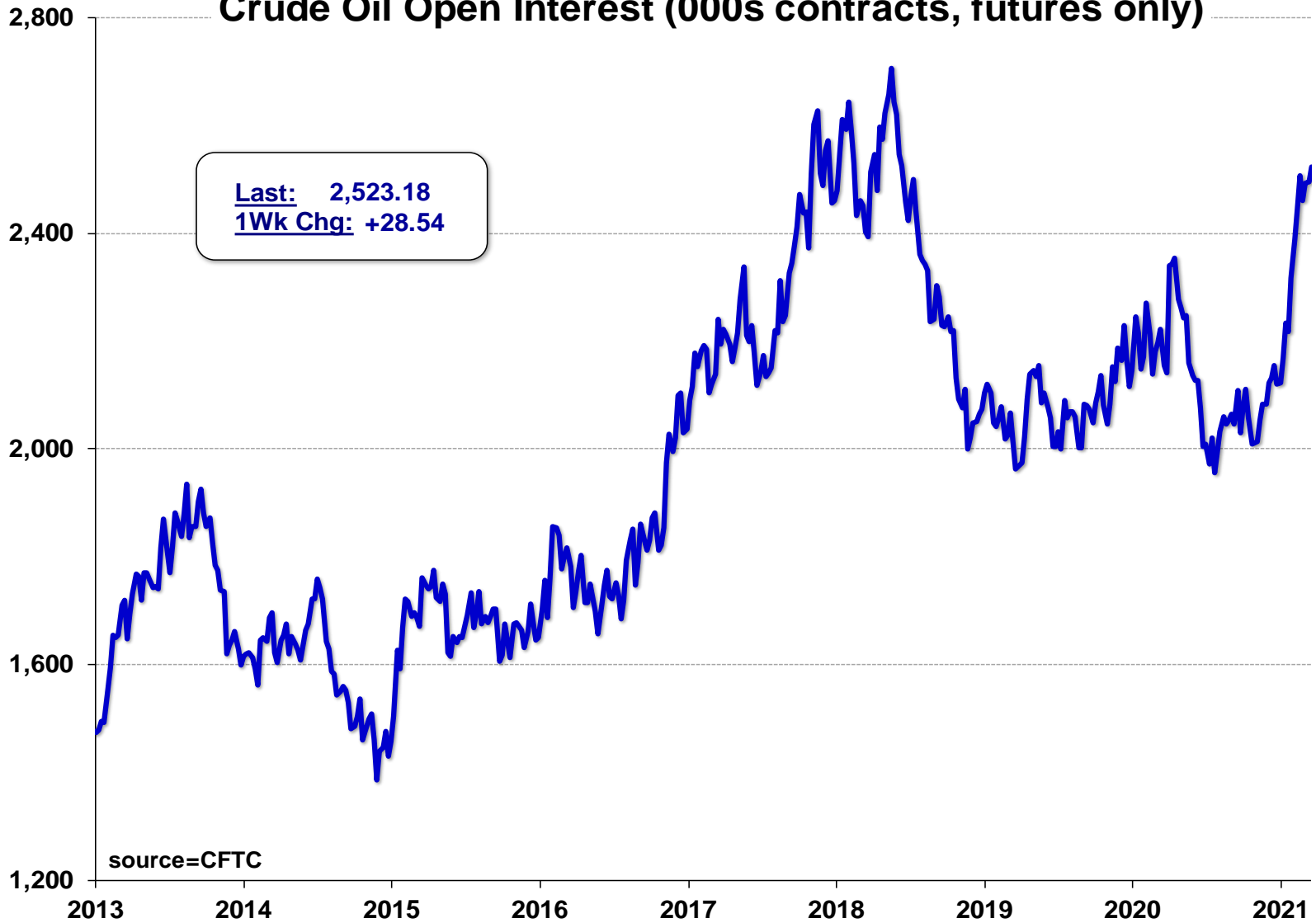
source=CFTC



# Natural Gas Other Reportable Net Options Position (000s contracts)



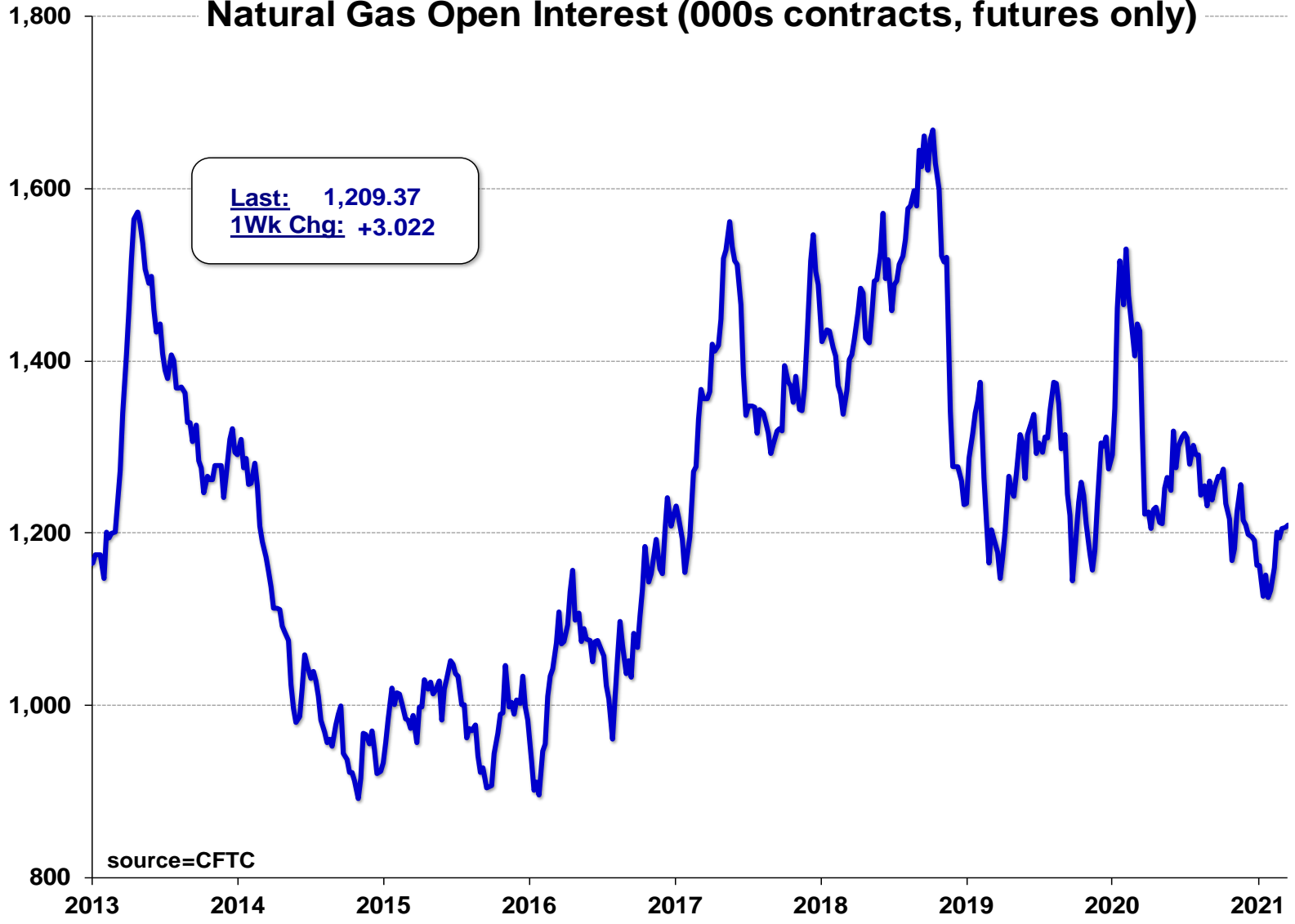
# Crude Oil Open Interest (000s contracts, futures only)



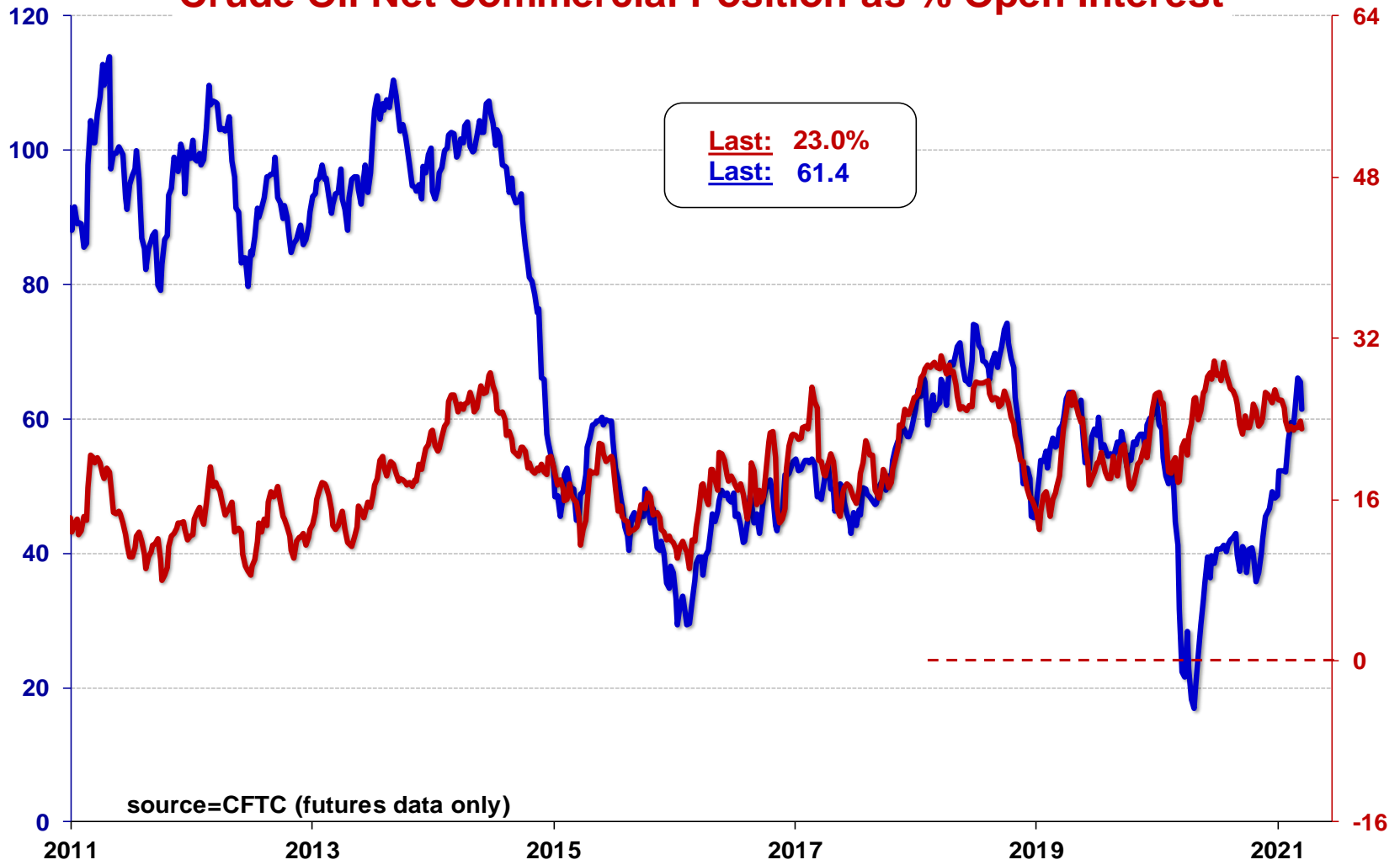
**Last:** 2,523.18  
**1Wk Chg:** +28.54

source=CFTC

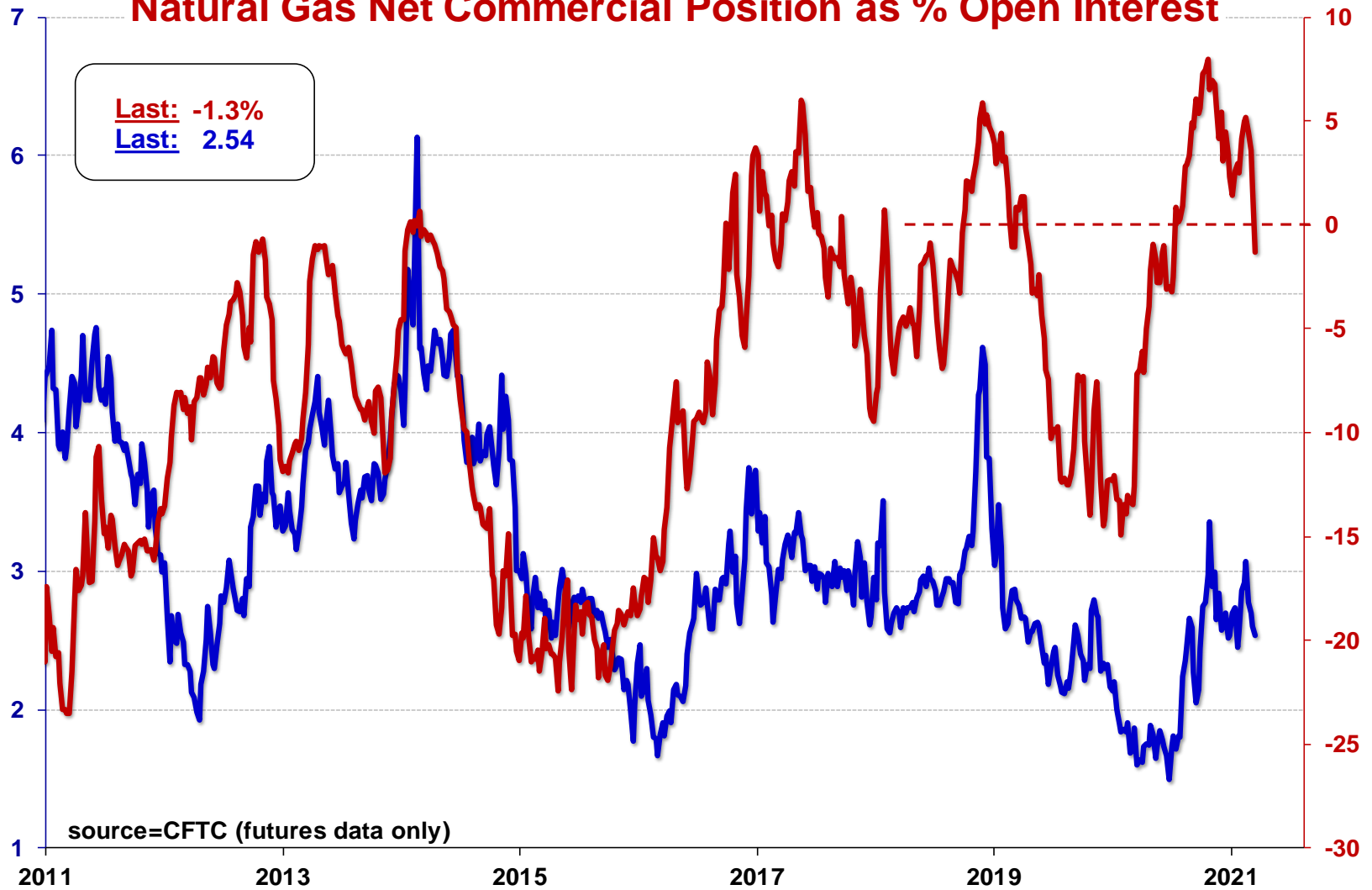
# Natural Gas Open Interest (000s contracts, futures only)



# Crude Oil (\$/bbl) vs. Crude Oil Net Commercial Position as % Open Interest



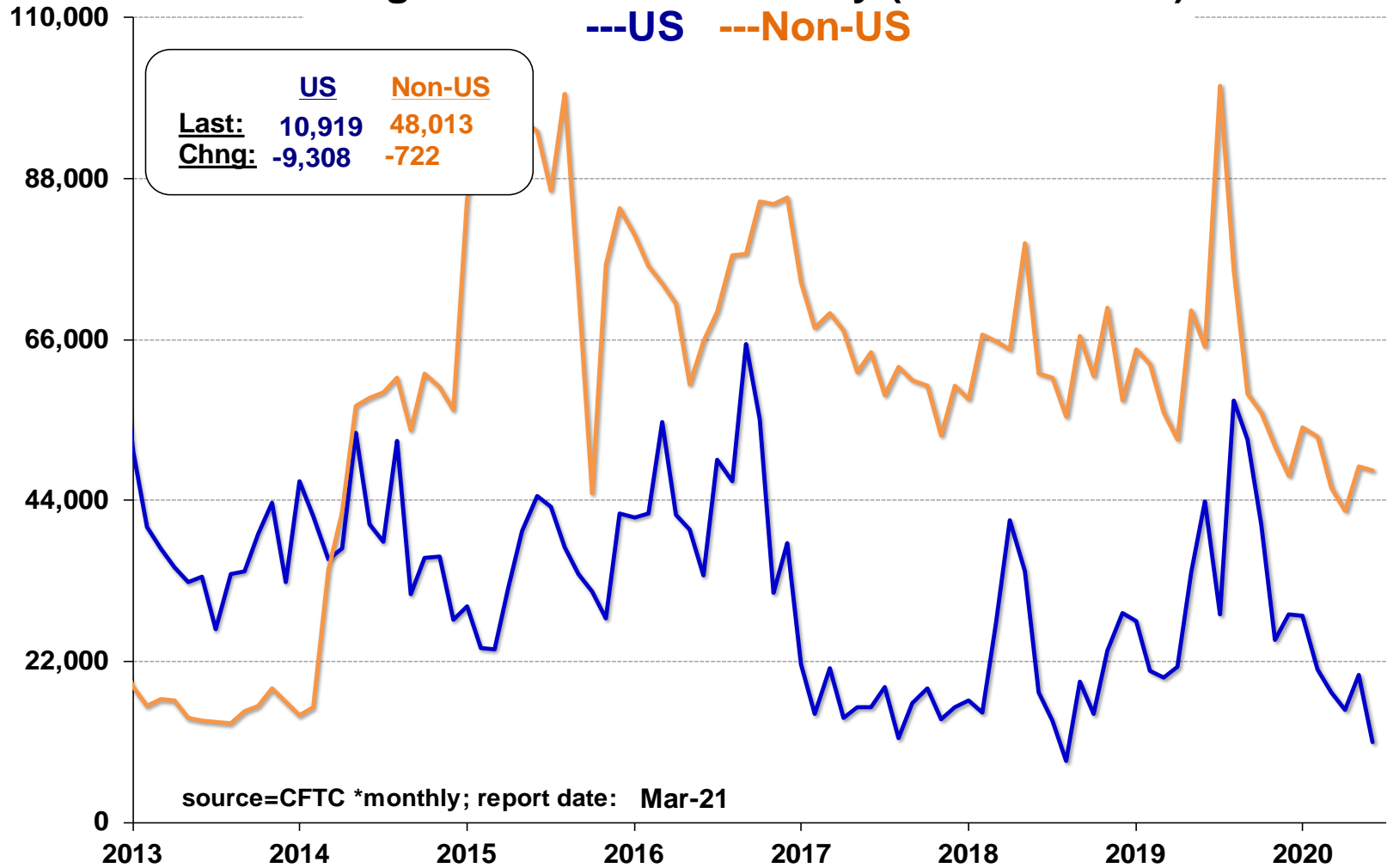
# Natural Gas (\$/mmbtu) vs. Natural Gas Net Commercial Position as % Open Interest



source=CFTC (futures data only)

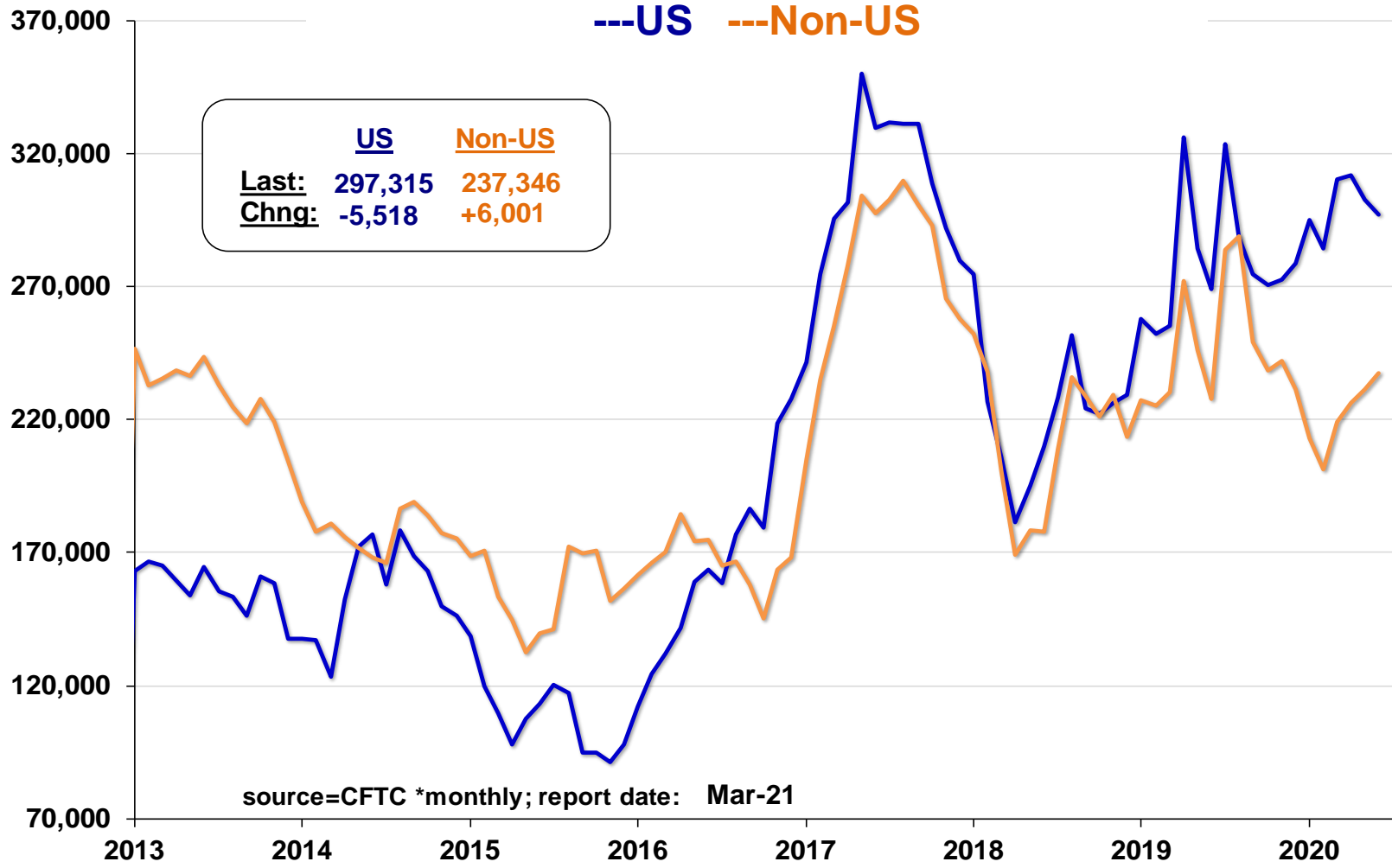
## Crude Oil: Bank Participation Report\*

### Long Position - Futures Only (# of contracts)



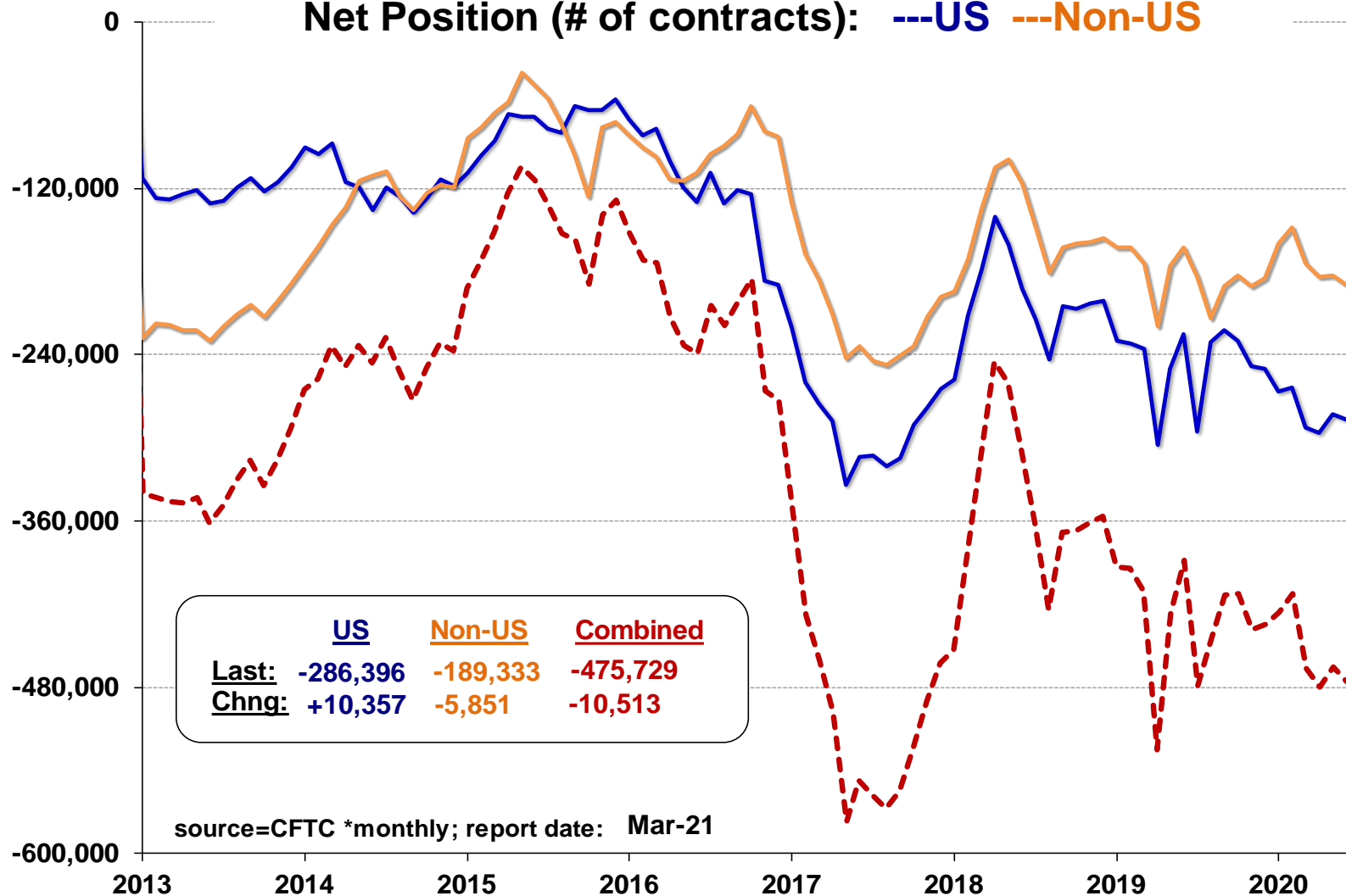
# Crude Oil: Bank Participation Report\*

## Short Position - Futures Only (# of contracts)



# NYMEX Crude, Light Sweet: Bank Participation Report\*

Net Position (# of contracts): **---US** **---Non-US**

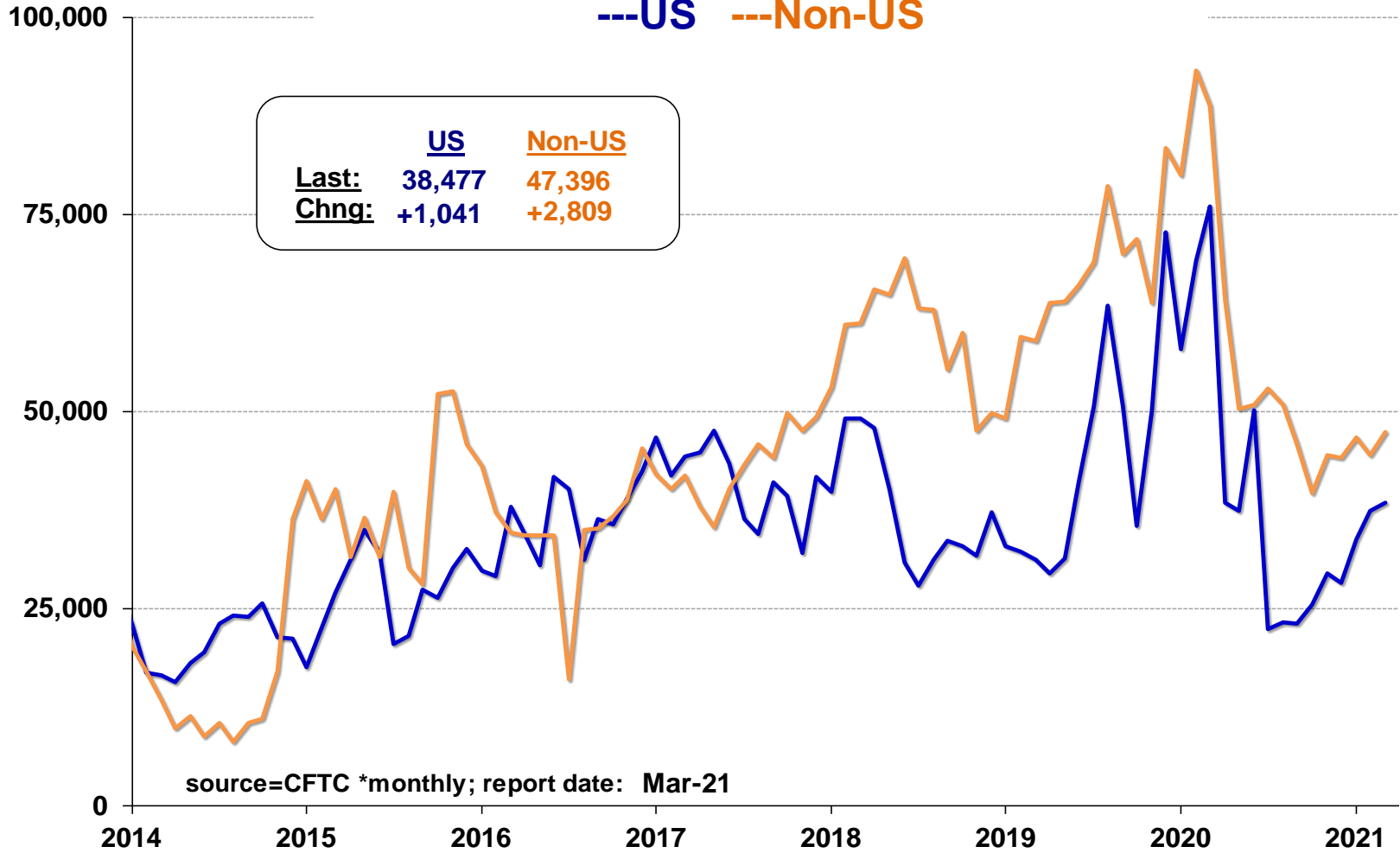




# Natural Gas: Bank Participation Report\*

## Long Position - Futures Only (# of contracts)

---US ---Non-US



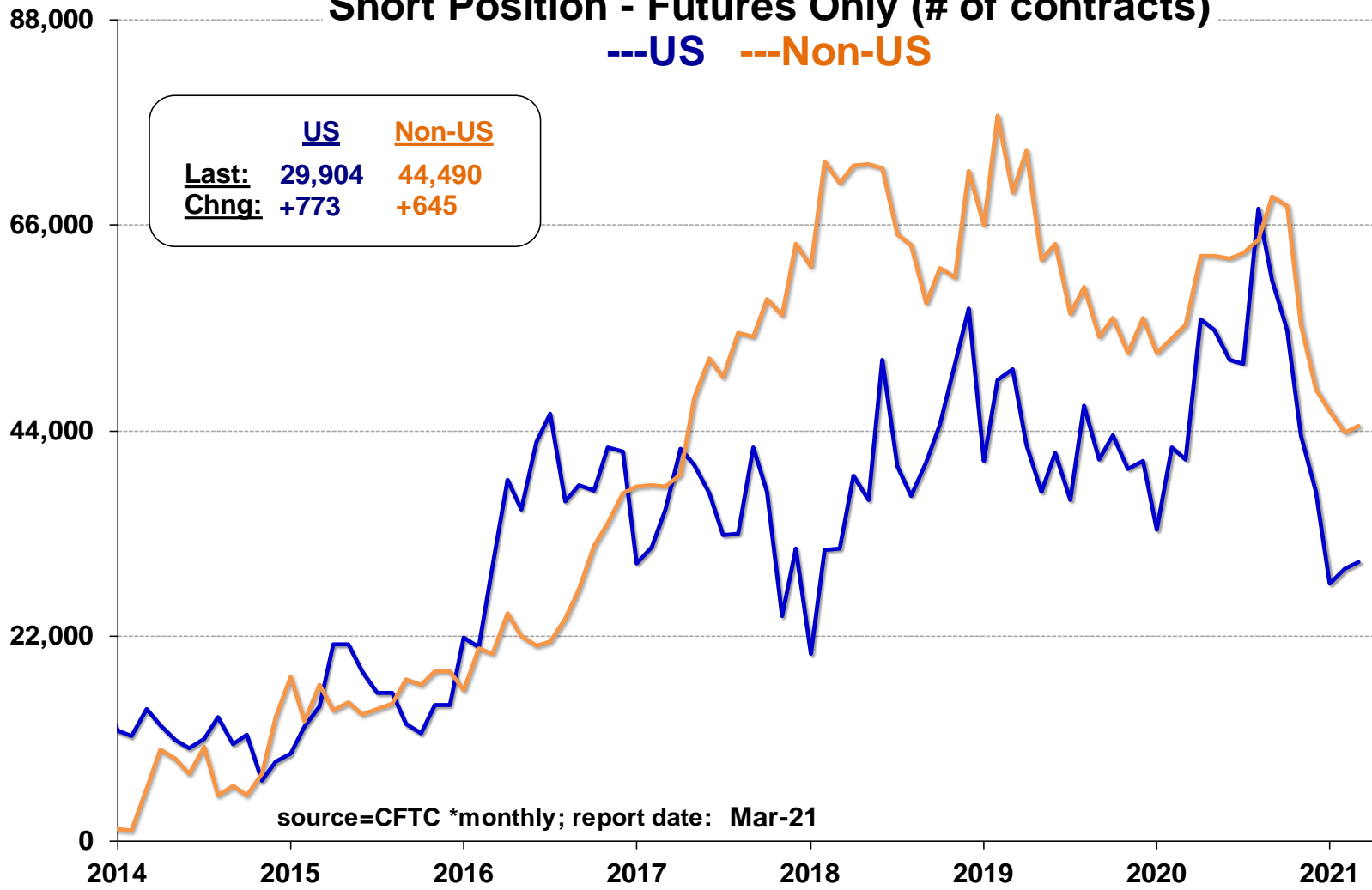
	<u>US</u>	<u>Non-US</u>
<u>Last:</u>	38,477	47,396
<u>Chng:</u>	+1,041	+2,809

# Natural Gas: Bank Participation Report\*

## Short Position - Futures Only (# of contracts)

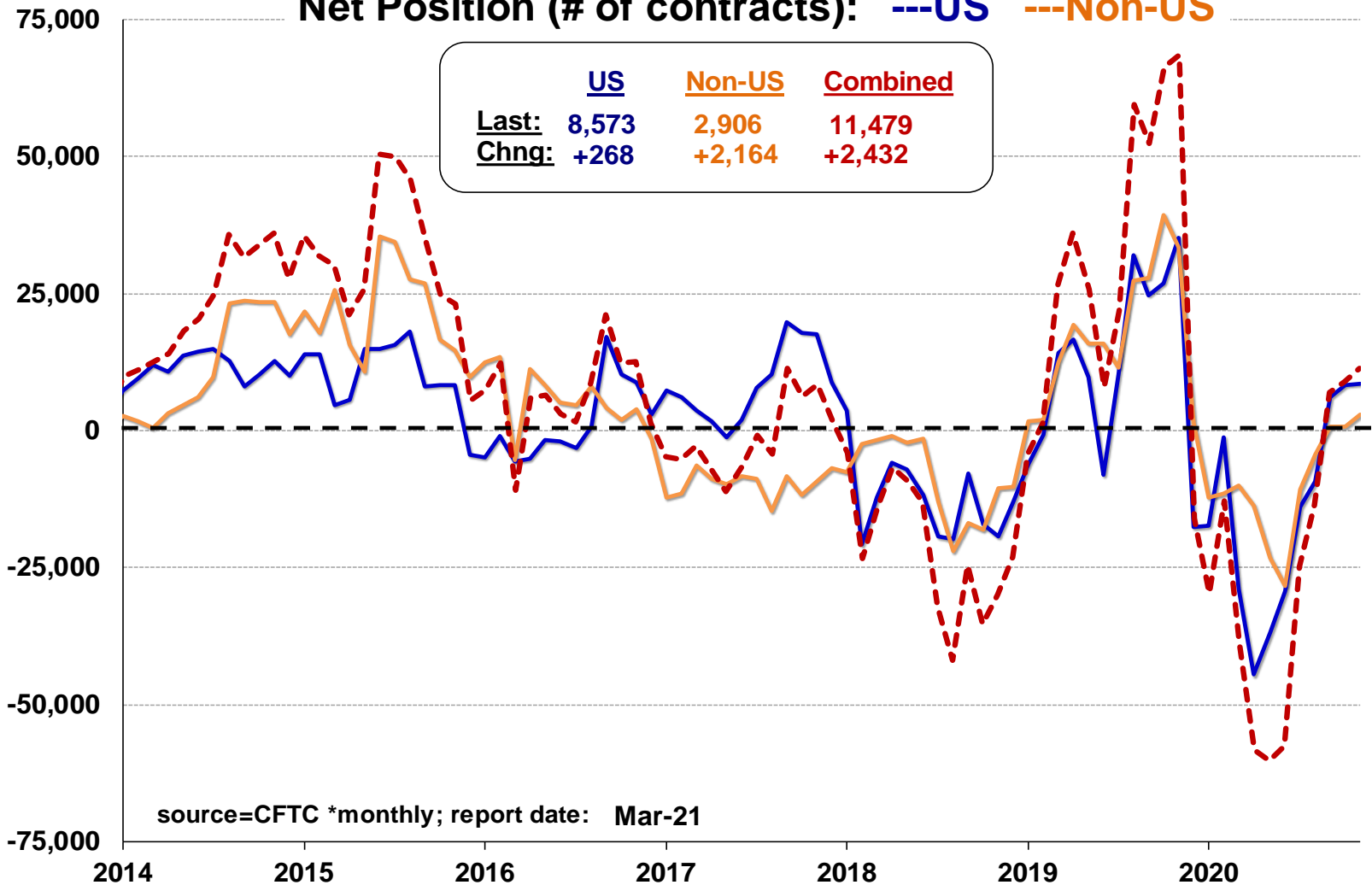
---US ---Non-US

	<u>US</u>	<u>Non-US</u>
<u>Last:</u>	29,904	44,490
<u>Chng:</u>	+773	+645



# NYMEX Natural Gas: Bank Participation Report\*

Net Position (# of contracts): **---US** **---Non-US**



**DOE WEEKLY PETROLEUM REPORT**  
**STOCKS OF CRUDE OIL & PETROLEUM PRODUCTS**

Data thru: 3/12/2021	Last (bbl 000s)	1Wk Change	1Wk % Change	4Wk Change	4Wk % Change	4Wk Avg Y/Y%	4Wk Avg 5YR%	Record High/Low?
<b>Crude Oil Total</b>	1,138,572	+2,396	+0.21%	+39,042	+3.6%	+3.8%	-4.8%	NO
<b>SPR</b>	637,773	00	0.00%	00	0.0%	+0.4%	-8.2%	NO
<b>Total Ex-SPR</b>	500,799	+2,396	+0.48%	+39,042	+8.5%	+8.6%	+0.0%	NO
East Coast (PADD 1)	8,180	-193	-2.31%	-1,973	-19.4%	-21.6%	-51.6%	LOW
Midwest (PADD 2)	132,155	-1,619	-1.21%	+2,658	+2.1%	+5.9%	-10.0%	NO
Cushing, OK	48,210	-624	-1.28%	+3,194	+7.1%	+26.5%	-27.3%	NO
Gulf Coast (PADD 3)	288,181	+5,261	+1.86%	+38,793	+15.6%	+13.7%	+11.3%	NO
Rocky Mountain (PADD 4)	22,966	+453	+2.01%	-863	-3.6%	+11.6%	+15.5%	NO
West Coast (PADD 5)	49,317	-1,507	-2.97%	+427	+0.9%	-3.4%	-11.5%	NO
Stocks In Transit from Alaska	4,129	-501	-10.82%	+267	+6.9%	-19.1%	-27.7%	NO
<b>Total Gasoline</b>	232,075	+472	+0.20%	-25,009	-9.7%	-3.2%	-4.7%	NO
Reformulated Motor Gas	43	-05	-10.42%	-03	-6.5%	-7.3%	+31.6%	NO
Conventional Motor Gas	20,856	+433	+2.12%	-3,114	-13.0%	-13.1%	-19.7%	NO
Gas Blending Components	211,176	+44	+0.02%	-21,892	-9.4%	-2.1%	-2.9%	NO
<b>Fuel Ethanol</b>	21,340	-730	-3.31%	-2,957	-12.2%	-10.1%	-3.6%	NO
<b>Kerosene-Type Jet Fuel</b>	38,709	-532	-1.36%	-2,432	-5.9%	-6.3%	-7.9%	NO
<b>Distillate Fuel Oil</b>	137,747	+255	+0.19%	-19,937	-12.6%	+8.5%	-11.9%	NO
0-15ppm Sulfur	124,910	-143	-0.11%	-20,306	-14.0%	+10.1%	-6.1%	NO
15-500ppm Sulfur	4,128	+501	+13.81%	+956	+30.1%	-6.7%	-49.8%	NO
>500ppm Sulfur	8,709	-102	-1.16%	-588	-6.3%	-5.5%	-44.8%	NO
<b>Residual Fuel Oil</b>	31,510	+31	+0.10%	-1,245	-3.8%	+1.2%	-31.0%	NO
<b>Propane &amp; Propylene</b>	41,029	-170	-0.41%	-7,620	-15.7%	-34.7%	-31.2%	NO
<b>Other Oils (ex-Fuel Ethanol)</b>	283,675	+1,864	+0.66%	+8,463	+3.1%	-0.3%	+18.1%	NO
Unfinished Oils	95,087	+2,112	+2.27%	+9,226	+10.7%	-6.0%	+2.8%	NO
<b>Total Crude Oil+Petrol Products</b>	1,924,658	+3,587	+0.19%	-11,694	-0.6%	+0.9%	-4.1%	NO
<b>Total Ex-SPR</b>	1,286,885	+3,587	+0.28%	-11,694	-0.9%	+1.1%	-2.0%	NO

DOE WEEKLY PETROLEUM REPORT  
STOCKS OF MOTOR GASOLINE AND FUEL ETHANOL

Data thru:	Last	1Wk	1Wk	4Wk	4Wk	4Wk Avg	4Wk Avg	Record
3/12/2021	(bbl 000s)	Change	% Change	Change	% Change	Y/Y%	5YR%	High/Low?
<b>Total Gasoline Stocks</b>	232,075	+472	+0.2%	-25,009	-9.7%	-3.2%	-4.7%	NO
East Coast (PADD 1)	63,072	-619	-1.0%	-8,023	-11.3%	+5.6%	-4.2%	NO
Midwest (PADD 2)	51,903	+754	+1.5%	-2,169	-4.0%	-11.3%	-12.7%	NO
Gulf Coast (PADD 3)	76,954	+767	+1.0%	-13,119	-14.6%	-6.4%	-1.4%	NO
Rocky Mountain (PADD 4)	8,807	-137	-1.5%	-422	-4.6%	-2.5%	+4.9%	NO
West Coast (PADD 5)	31,340	-292	-0.9%	-1,276	-3.9%	+2.7%	-1.8%	NO
<b>Finished Motor Gasoline</b>	20,899	+428	+2.1%	-3,117	-13.0%	-13.1%	-19.6%	NO
East Coast (PADD 1)	3,244	-614	-15.9%	-1,110	-25.5%	-6.6%	-27.3%	NO
Midwest (PADD 2)	5,530	+493	+9.8%	-268	-4.6%	-22.6%	-18.9%	NO
Gulf Coast (PADD 3)	7,236	+388	+5.7%	-2,213	-23.4%	-15.8%	-23.2%	NO
Rocky Mountain (PADD 4)	2,210	-78	-3.4%	+186	+9.2%	-6.8%	-15.3%	NO
West Coast (PADD 5)	2,680	+240	+9.8%	+288	+12.0%	+8.1%	+9.0%	NO
<b>*Reformulated Motor Gasoline</b>	43	-05	-10.4%	-03	-6.5%	-7.3%	+31.6%	NO
East Coast (PADD 1)	28	-02	-6.7%	00	0.0%	-11.5%	+59.7%	NO
Midwest (PADD 2)	0	00	n/a	00	n/a	n/a	n/a	n/a
Gulf Coast (PADD 3)	0	00	n/a	00	n/a	n/a	n/a	n/a
Rocky Mountain (PADD 4)	0	00	n/a	00	n/a	n/a	n/a	n/a
West Coast (PADD 5)	15	-03	-16.7%	-03	-16.7%	+1.6%	0.0%	NO
<b>*Conventional Motor Gasoline</b>	20,856	+433	+2.1%	-3,114	-13.0%	-13.1%	-19.7%	NO
East Coast (PADD 1)	3,216	-612	-16.0%	-1,110	-25.7%	-6.6%	-27.6%	NO
Midwest (PADD 2)	5,530	+493	+9.8%	-268	-4.6%	-22.6%	-18.9%	NO
Gulf Coast (PADD 3)	7,236	+388	+5.7%	-2,213	-23.4%	-15.8%	-23.2%	NO
Rocky Mountain (PADD 4)	2,210	-78	-3.4%	+186	+9.2%	-6.8%	-15.3%	NO
West Coast (PADD 5)	2,665	+243	+10.0%	+291	+12.3%	+8.2%	+9.0%	NO

DOE WEEKLY PETROLEUM REPORT  
STOCKS OF MOTOR GASOLINE AND FUEL ETHANOL

Data thru: 3/12/2021	Last (bbl 000s)	1Wk Change	1Wk % Change	4Wk Change	4Wk % Change	4Wk Avg Y/Y%	4Wk Avg 5YR%	Record High/Low?
<b>Gas Blending Components</b>	211,176	+44	+0.0%	-21,892	-9.4%	-2.1%	-2.9%	NO
East Coast (PADD 1)	59,828	-05	-0.0%	-6,913	-10.4%	+6.4%	-2.3%	NO
Midwest (PADD 2)	46,373	+261	+0.6%	-1,901	-3.9%	-9.8%	-11.9%	NO
Gulf Coast (PADD 3)	69,718	+379	+0.5%	-10,906	-13.5%	-5.2%	+1.9%	NO
Rocky Mountain (PADD 4)	6,597	-59	-0.9%	-608	-8.4%	-1.1%	+13.8%	NO
West Coast (PADD 5)	28,660	-532	-1.8%	-1,564	-5.2%	+2.2%	-2.6%	NO
<b>Fuel Ethanol</b>	21,340	-730	-3.3%	-2,957	-12.2%	-10.1%	-3.6%	NO
East Coast (PADD 1)	7,340	-391	-5.1%	-681	-8.5%	-10.5%	-7.6%	NO
Midwest (PADD 2)	7,544	+46	+0.6%	-800	-9.6%	-10.1%	+1.3%	NO
Gulf Coast (PADD 3)	4,352	-158	-3.5%	-637	-12.8%	+1.0%	+7.3%	NO
Rocky Mountain (PADD 4)	329	+14	+4.4%	-34	-9.4%	-16.6%	+4.2%	NO
West Coast (PADD 5)	1,774	-242	-12.0%	-806	-31.2%	-26.0%	-22.4%	NO

## DOE WEEKLY PETROLEUM REPORT

## STOCKS OF DISTILLATE, KEROSENE-TYPE JET FUEL, RESIDUAL FUEL, PROPANE/PROPYLENE

Data thru:	Last	1Wk	1Wk	4Wk	4Wk	4Wk Avg	4Wk Avg	Record
3/12/2021	(bbl 000s)	Change	% Change	Change	% Change	Y/Y%	5YR%	High/Low?
<b>Total Distillate Fuel Oil Stocks</b>	137,747	+255	+0.2%	-19,937	-12.6%	+8.5%	0.0%	NO
East Coast (PADD 1)	46,271	-897	-1.9%	-8,042	-14.8%	+27.5%	-18.5%	NO
*PADD 1A New England	9,810	+787	+8.7%	-1,031	-9.5%	+49.1%	-10.6%	NO
*PADD 1B Central Atlantic	24,288	-1,648	-6.4%	-5,425	-18.3%	+33.2%	0.0%	NO
*PADD 1C Lower Atlantic	12,173	-36	-0.3%	-1,586	-11.5%	+6.5%	-2.0%	NO
Midwest (PADD 2)	25,783	-66	-0.3%	-3,707	-12.6%	-17.0%	-23.0%	NO
Gulf Coast (PADD 3)	48,801	+1,061	+2.2%	-7,501	-13.3%	+14.4%	+2.7%	NO
Rocky Mountain (PADD 4)	4,141	+66	+1.6%	+234	+6.0%	-6.2%	+10.9%	NO
West Coast (PADD 5)	12,751	+92	+0.7%	-922	-6.7%	+1.5%	-13.3%	NO
<b>0-15ppm Sulfur Distillate</b>	124,910	-143	-0.1%	-20,306	-14.0%	+10.1%	-6.1%	NO
East Coast (PADD 1)	42,167	-997	-2.3%	-8,114	-16.1%	+31.8%	-4.5%	NO
*PADD 1A New England	9,560	+820	+9.4%	-1,013	-9.6%	+49.2%	+75.5%	NO
*PADD 1B Central Atlantic	21,832	-1,791	-7.6%	-5,509	-20.1%	+44.2%	-20.9%	NO
*PADD 1C Lower Atlantic	10,775	-26	-0.2%	-1,592	-12.9%	+3.4%	+0.4%	NO
Midwest (PADD 2)	25,031	-128	-0.5%	-3,912	-13.5%	-17.1%	-23.1%	NO
Gulf Coast (PADD 3)	42,049	+858	+2.1%	-7,725	-15.5%	+17.6%	+6.6%	NO
Rocky Mountain (PADD 4)	3,937	+55	+1.4%	+236	+6.4%	-6.0%	+16.1%	NO
West Coast (PADD 5)	11,726	+68	+0.6%	-790	-6.3%	+2.9%	-12.8%	NO
<b>15-500ppm Sulfur Distillate</b>	4,128	+501	+13.8%	+956	+30.1%	-6.7%	-49.8%	NO
East Coast (PADD 1)	1,153	-46	-3.8%	+134	+13.2%	-22.1%	-73.1%	NO
*PADD 1A New England	52	-04	-7.1%	+26	+100.0%	-63.9%	-98.6%	NO
*PADD 1B Central Atlantic	622	-52	-7.7%	+111	+21.7%	-31.9%	-45.3%	NO
*PADD 1C Lower Atlantic	480	+10	+2.1%	-02	-0.4%	+9.9%	+22.9%	NO
Midwest (PADD 2)	349	+79	+29.3%	+149	+74.5%	-27.0%	-43.8%	NO
Gulf Coast (PADD 3)	2,245	+426	+23.4%	+747	+49.9%	+9.9%	+5.4%	NO
Rocky Mountain (PADD 4)	130	-19	-12.8%	-32	-19.8%	+7.2%	-40.9%	NO
West Coast (PADD 5)	251	+60	+31.4%	-41	-14.0%	-2.7%	-52.0%	NO

## DOE WEEKLY PETROLEUM REPORT

## STOCKS OF DISTILLATE, KEROSENE-TYPE JET FUEL, RESIDUAL FUEL, PROPANE/PROPYLENE

Data thru:	Last	1Wk	1Wk	4Wk	4Wk	4Wk Avg	4Wk Avg	Record
3/12/2021	(bbl 000s)	Change	% Change	Change	% Change	Y/Y%	5YR%	High/Low?
<b>&gt;500ppm Sulfur Distillate</b>	8,709	-102	-1.2%	-588	-6.3%	-5.5%	-44.8%	NO
East Coast (PADD 1)	2,950	+145	+5.2%	-62	-2.1%	+2.3%	-66.4%	NO
*PADD 1A New England	198	-29	-12.8%	-44	-18.2%	+180.4%	-91.3%	NO
*PADD 1B Central Atlantic	1,834	+195	+11.9%	-27	-1.5%	-20.5%	-61.9%	NO
*PADD 1C Lower Atlantic	918	-21	-2.2%	+08	+0.9%	+65.7%	-30.6%	NO
Midwest (PADD 2)	403	-17	-4.0%	+56	+16.1%	-2.4%	+16.5%	NO
Gulf Coast (PADD 3)	4,506	-225	-4.8%	-523	-10.4%	-8.0%	-24.7%	NO
Rocky Mountain (PADD 4)	75	+31	+70.5%	+31	+70.5%	-37.1%	-43.4%	NO
West Coast (PADD 5)	774	-37	-4.6%	-90	-10.4%	-14.3%	-1.2%	NO
<b>Kerosene-Type Jet Fuel</b>	38,709	-532	-1.4%	-2,432	-5.9%	-6.3%	-7.9%	NO
East Coast (PADD 1)	9,908	-378	-3.7%	+336	+3.5%	+8.4%	+0.5%	NO
Midwest (PADD 2)	6,708	+638	+10.5%	-71	-1.0%	-19.6%	-15.7%	NO
Gulf Coast (PADD 3)	12,133	+12	+0.1%	-2,491	-17.0%	-10.9%	-14.7%	NO
Rocky Mountain (PADD 4)	653	-34	-4.9%	+30	+4.8%	-29.2%	-19.3%	NO
West Coast (PADD 5)	9,307	-770	-7.6%	-236	-2.5%	-1.0%	+0.8%	NO
<b>Residual Fuel Oil</b>	31,510	+31	+0.1%	-1,245	-3.8%	+1.2%	-31.0%	NO
East Coast (PADD 1)	6,868	+356	+5.5%	-804	-10.5%	-17.4%	-46.3%	NO
*PADD 1A New England	248	-16	-6.1%	+33	+15.3%	-44.1%	-51.2%	NO
*PADD 1B Central Atlantic	4,596	+345	+8.1%	-1,181	-20.4%	-26.9%	-49.1%	NO
*PADD 1C Lower Atlantic	2,024	+27	+1.4%	+345	+20.5%	+34.2%	-36.8%	NO
Midwest (PADD 2)	1,021	-58	-5.4%	+37	+3.8%	-25.3%	-25.2%	NO
Gulf Coast (PADD 3)	17,405	-94	-0.5%	-1,044	-5.7%	+4.7%	-32.8%	NO
Rocky Mountain (PADD 4)	197	+06	+3.1%	+15	+8.2%	-4.8%	-3.1%	NO
West Coast (PADD 5)	6,020	-177	-2.9%	+552	+10.1%	+29.8%	+10.9%	NO



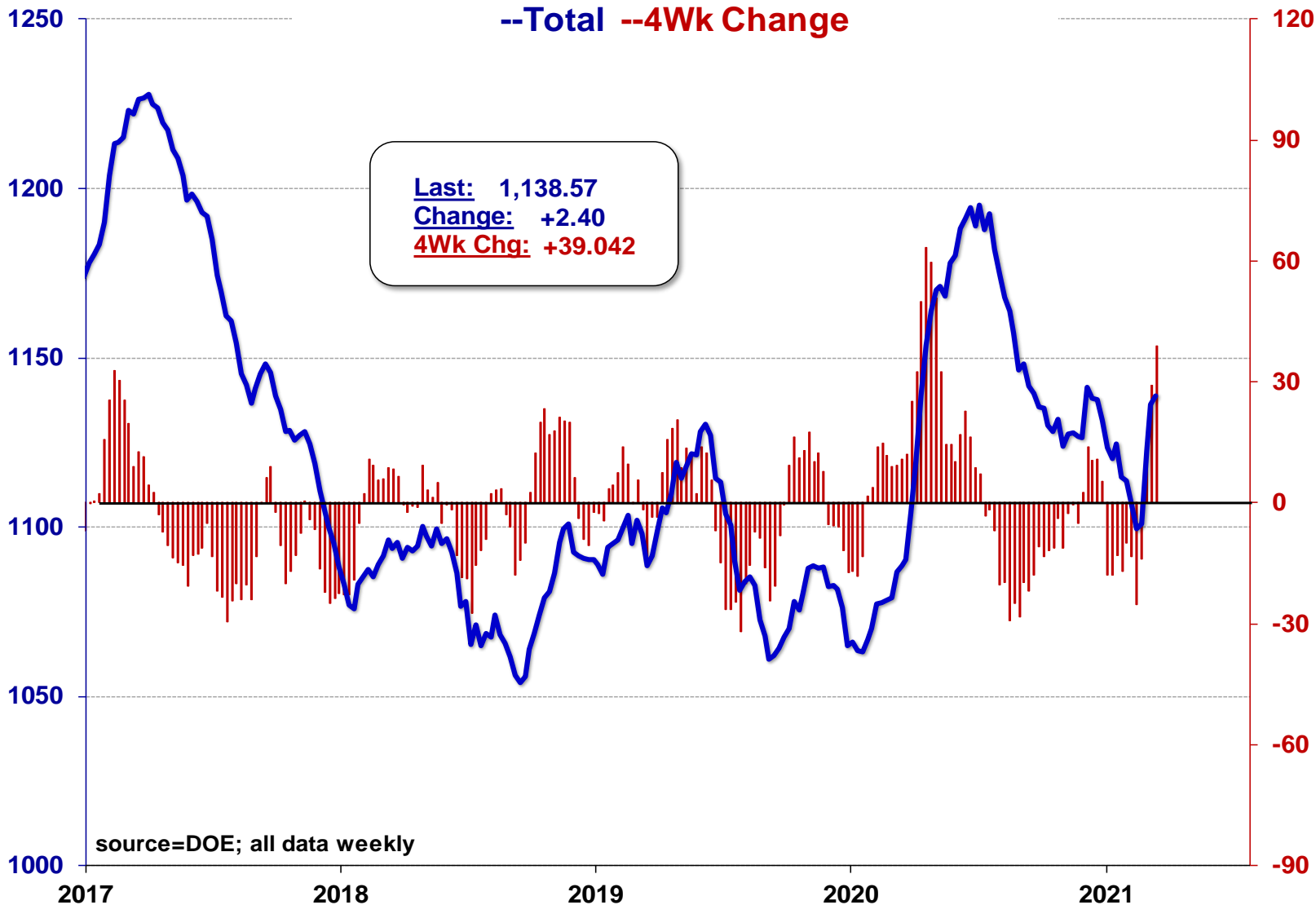
## DOE WEEKLY PETROLEUM REPORT

## STOCKS OF DISTILLATE, KEROSENE-TYPE JET FUEL, RESIDUAL FUEL, PROPANE/PROPYLENE

Data thru: 3/12/2021	Last (bbl 000s)	1Wk Change	1Wk % Change	4Wk Change	4Wk % Change	4Wk Avg Y/Y%	4Wk Avg 5YR%	Record High/Low?
<b>Propane &amp; Propylene</b>								
<b>(Total, ex-stocks at terminal)</b>	41,029	-170	-0.41%	-7,620	-15.7%	-34.7%	-31.2%	NO
East Coast (PADD 1)	3,174	-440	-12.17%	-1,731	-35.3%	-29.7%	+9.2%	NO
*PADD 1A New England	228	-84	-26.92%	-417	-64.7%	+17.0%	-14.6%	NO
*PADD 1B Central Atlantic	2,156	-360	-14.31%	-1,020	-32.1%	-36.6%	+16.3%	NO
*PADD 1C Lower Atlantic	790	+3	+0.38%	-294	-27.1%	-21.3%	+5.3%	NO
Midwest (PADD 2)	9,027	-182	-1.98%	-2,708	-23.1%	-19.9%	-41.5%	NO
Gulf Coast (PADD 3)	25,920	+456	+1.79%	-2,438	-8.6%	-42.9%	-35.0%	NO
PADD 4 + PADD 5	2,908	-4	-0.14%	-743	-20.4%	+52.5%	+65.8%	NO
<b>*Nonfuel Stocks At Terminals</b>	0	0	n/a	00	n/a	n/a	n/a	NO

# Crude Oil Inventories (including SPR, bbl mIn):

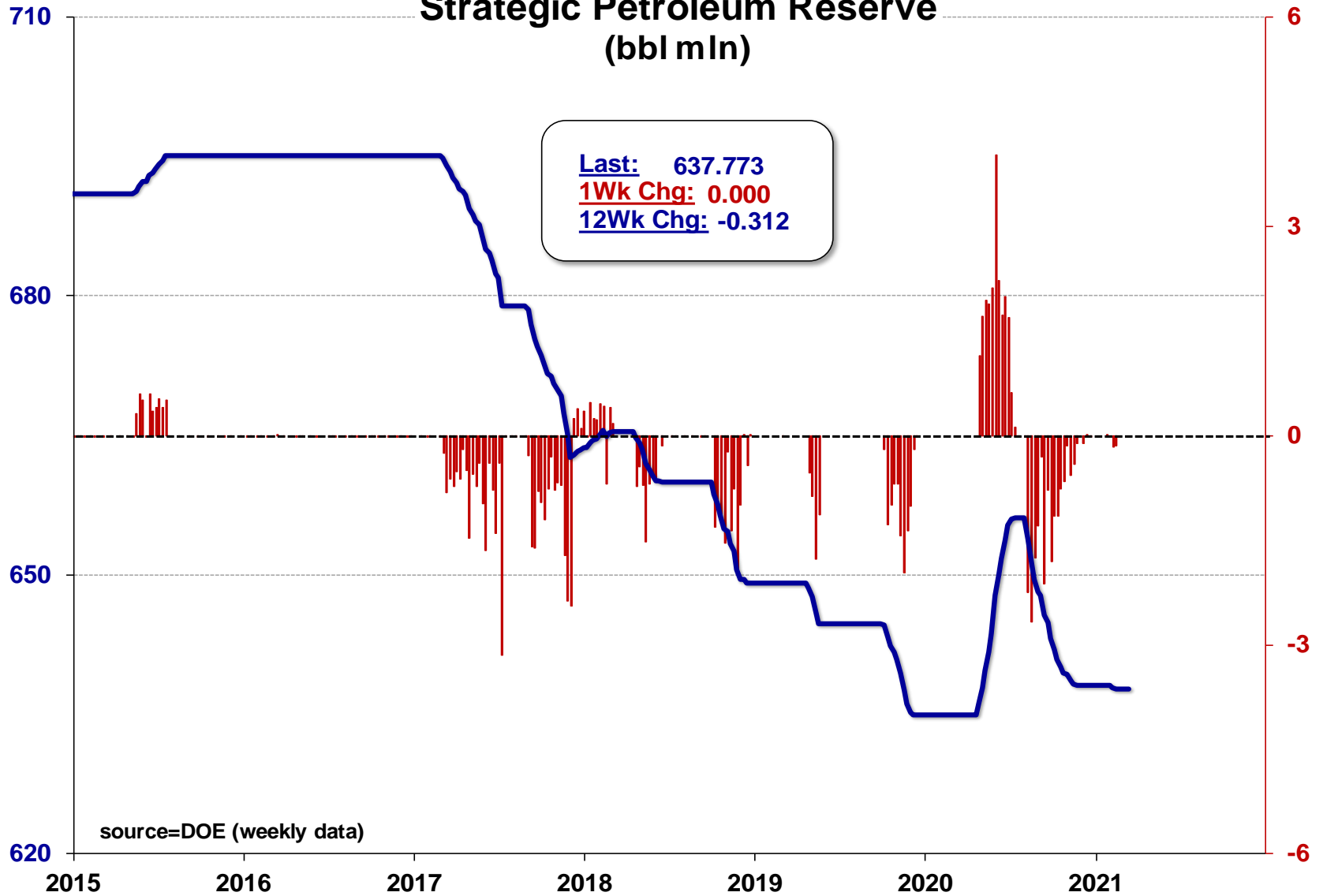
--Total --4Wk Change



Last: 1,138.57  
Change: +2.40  
4Wk Chg: +39.042

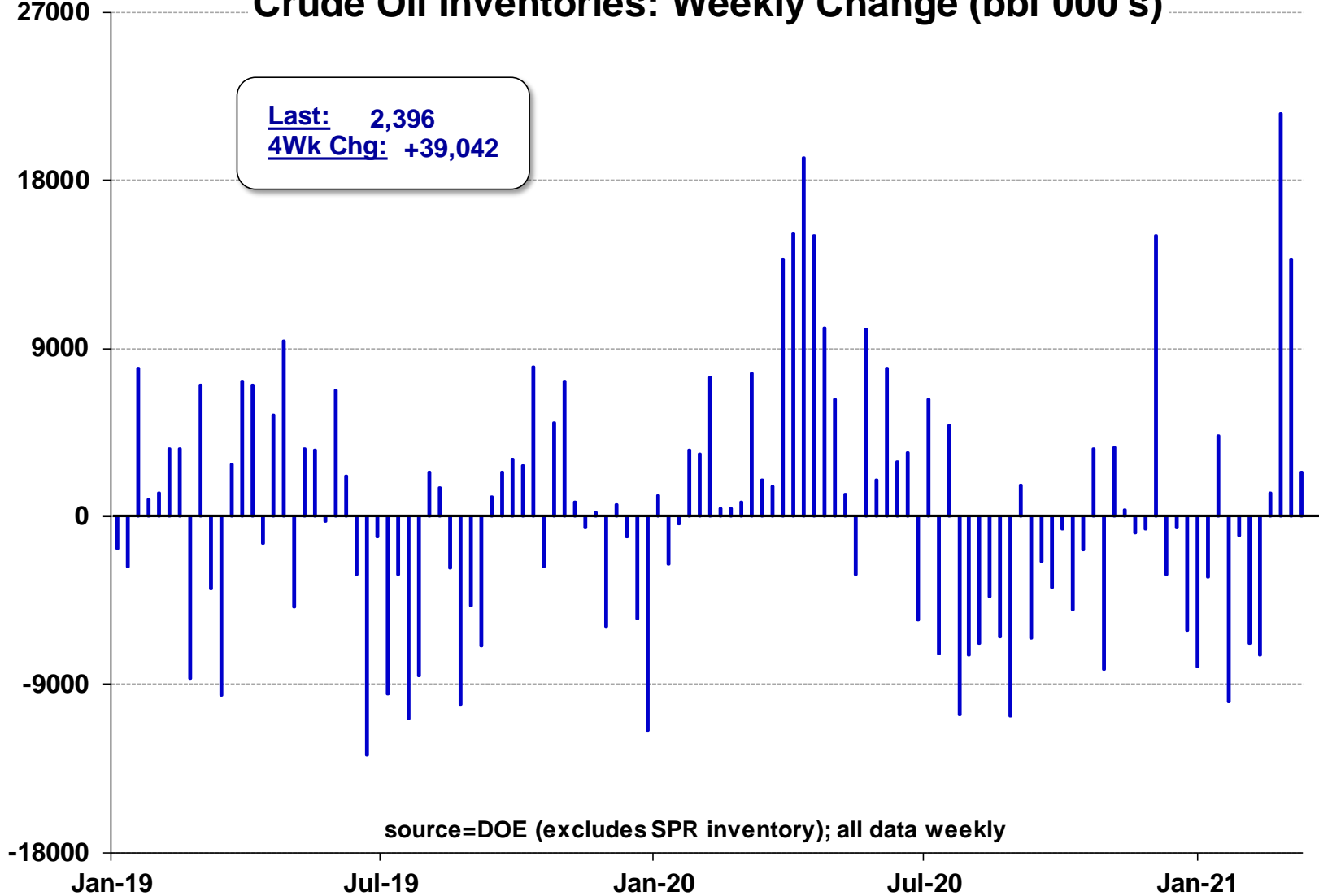
source=DOE; all data weekly

# Strategic Petroleum Reserve (bbl mIn)



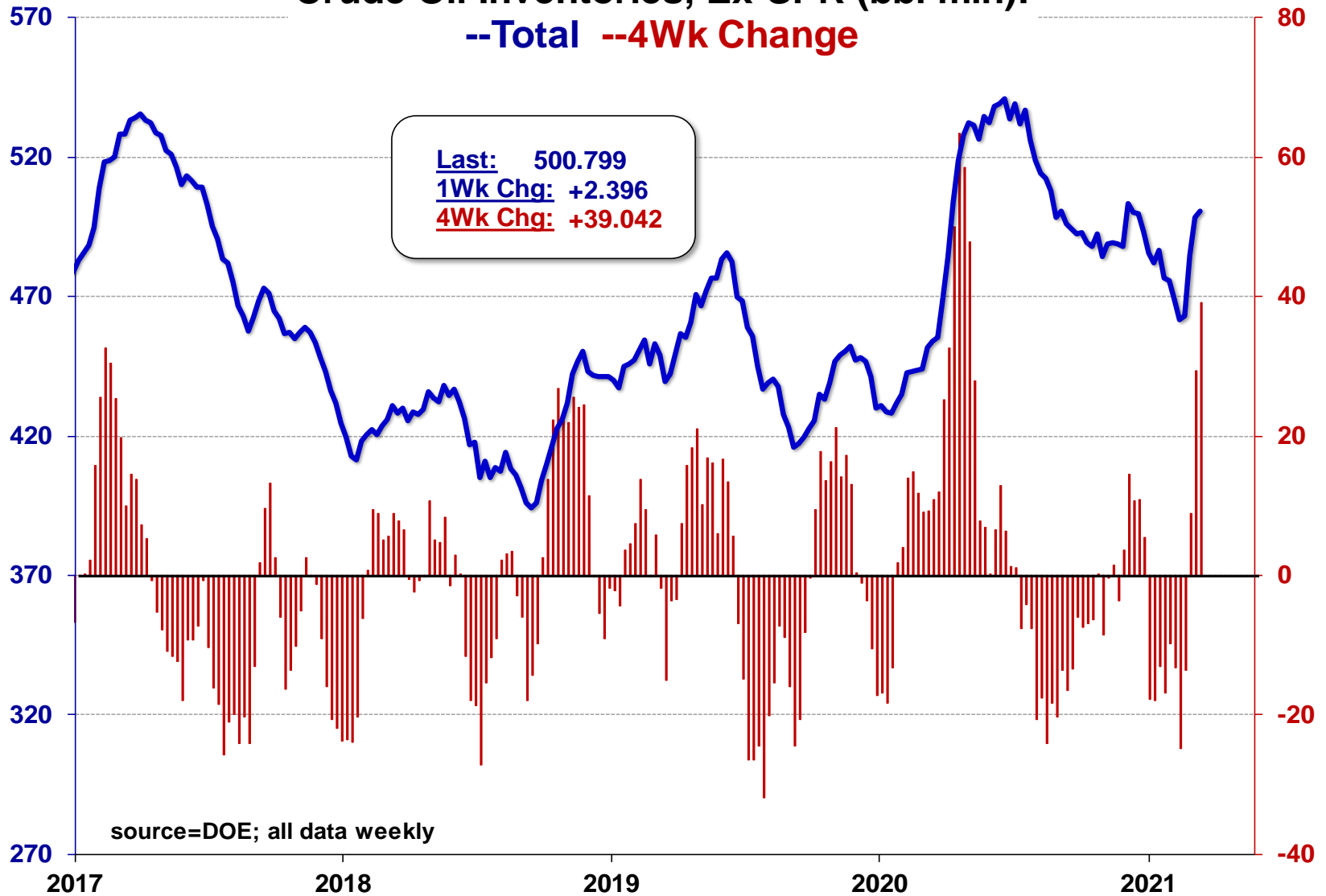
# Crude Oil Inventories: Weekly Change (bbl 000's)

Last: 2,396  
4Wk Chg: +39,042



# Crude Oil Inventories, Ex-SPR (bbl mln):

--Total --4Wk Change



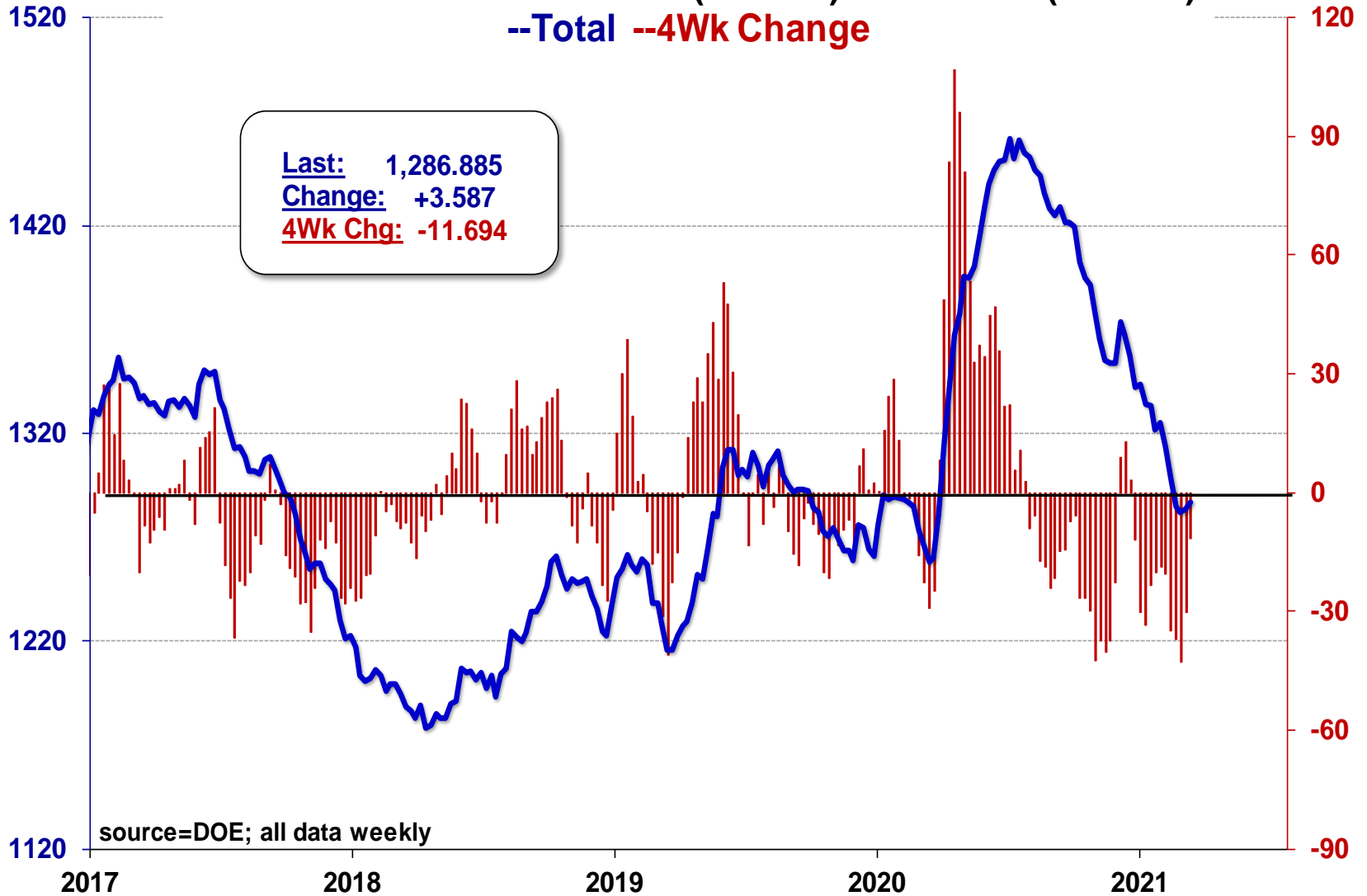
Last: 500.799  
1Wk Chg: +2.396  
4Wk Chg: +39.042

source=DOE; all data weekly

# Crude Oil+Petroleum Products (ex-SPR) Inventories (bbl mIn):

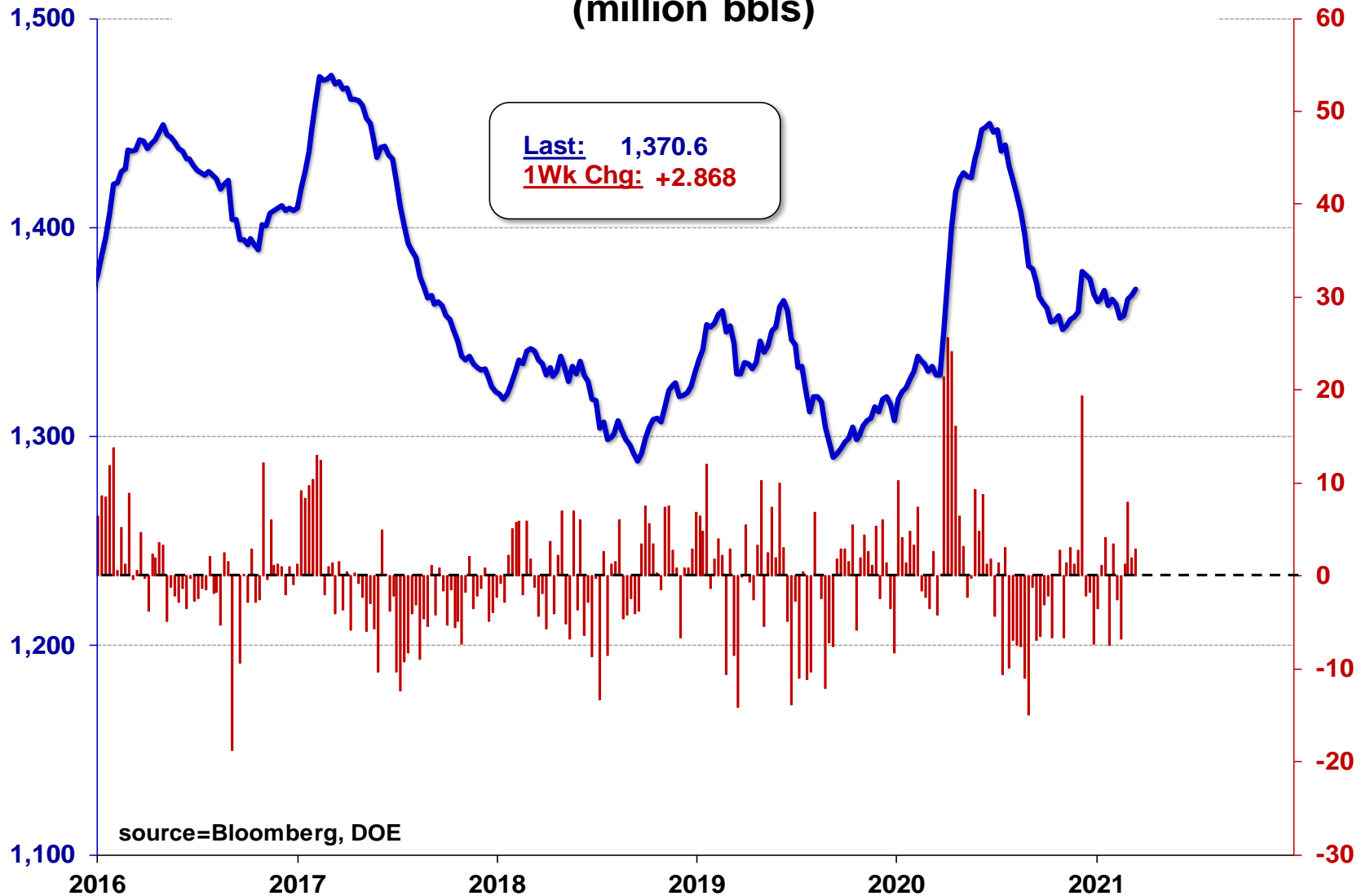
--Total --4Wk Change

Last: 1,286.885  
Change: +3.587  
4Wk Chg: -11.694



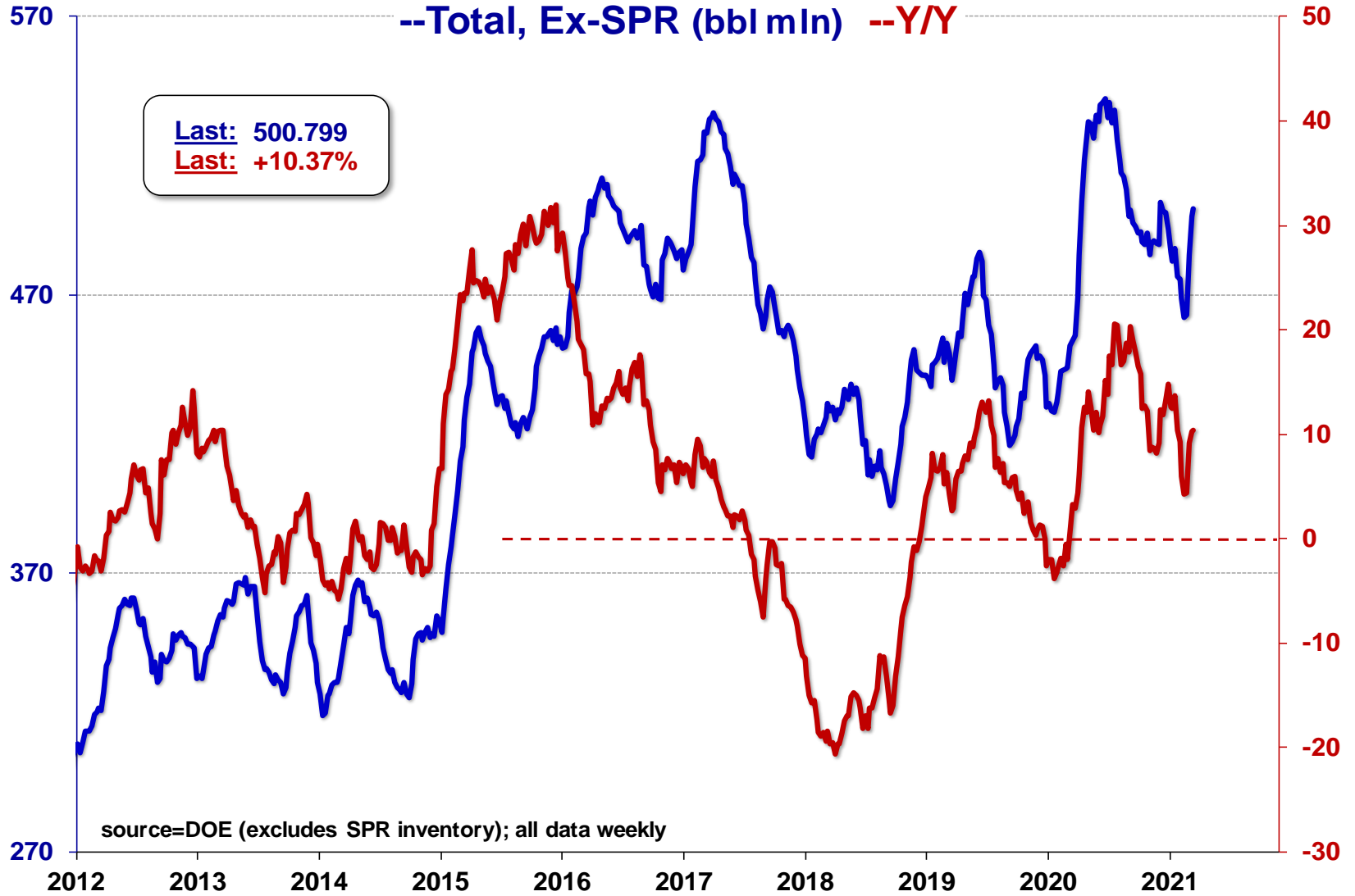
source=DOE; all data weekly

# Total Crude Oil (incl. SPR) + Motor Gasoline Inventories (million bbls)



# Crude Oil Inventories:

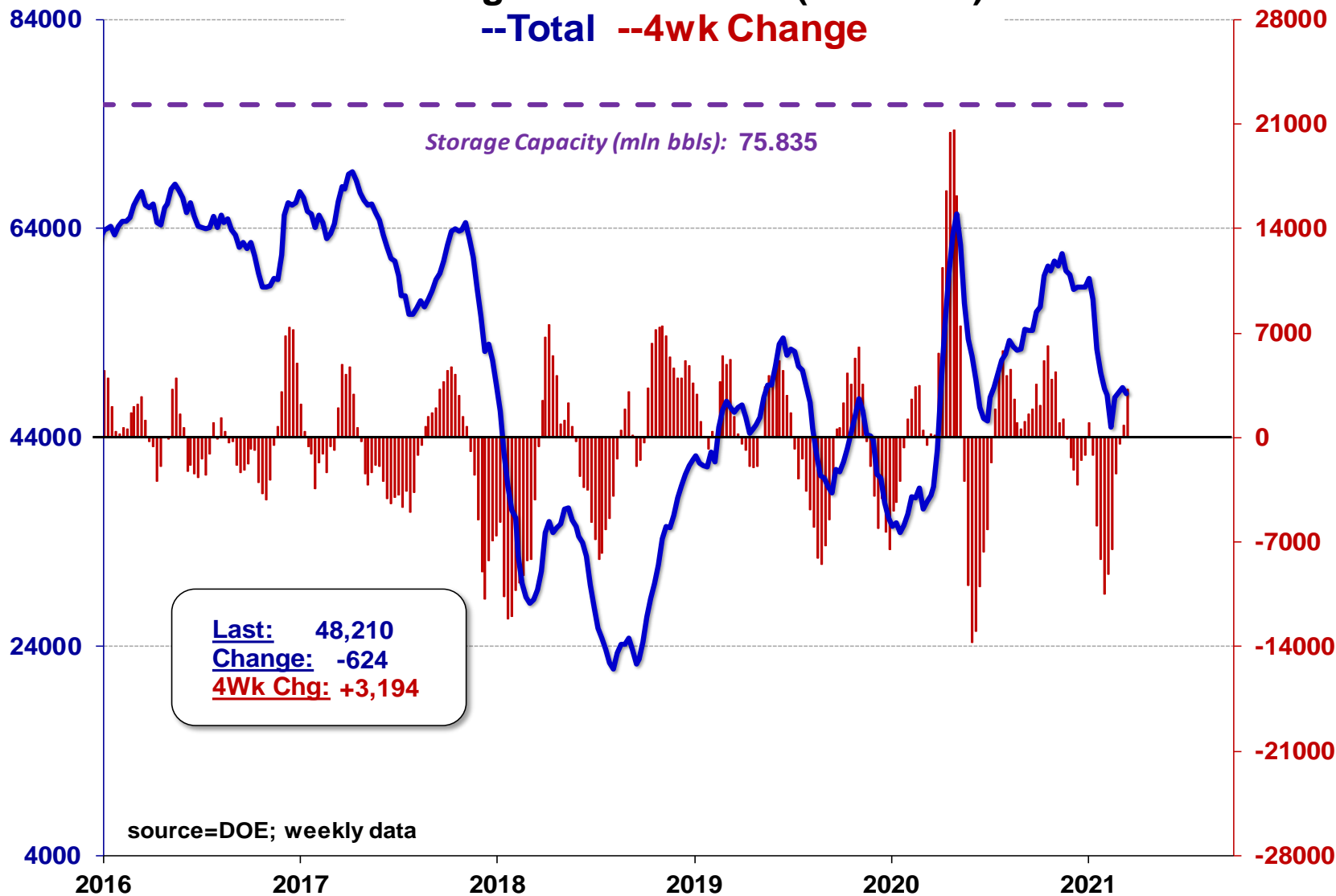
--Total, Ex-SPR (bbl mln) --Y/Y





# Cushing Oil Inventories (bbl 000's):

--Total --4wk Change

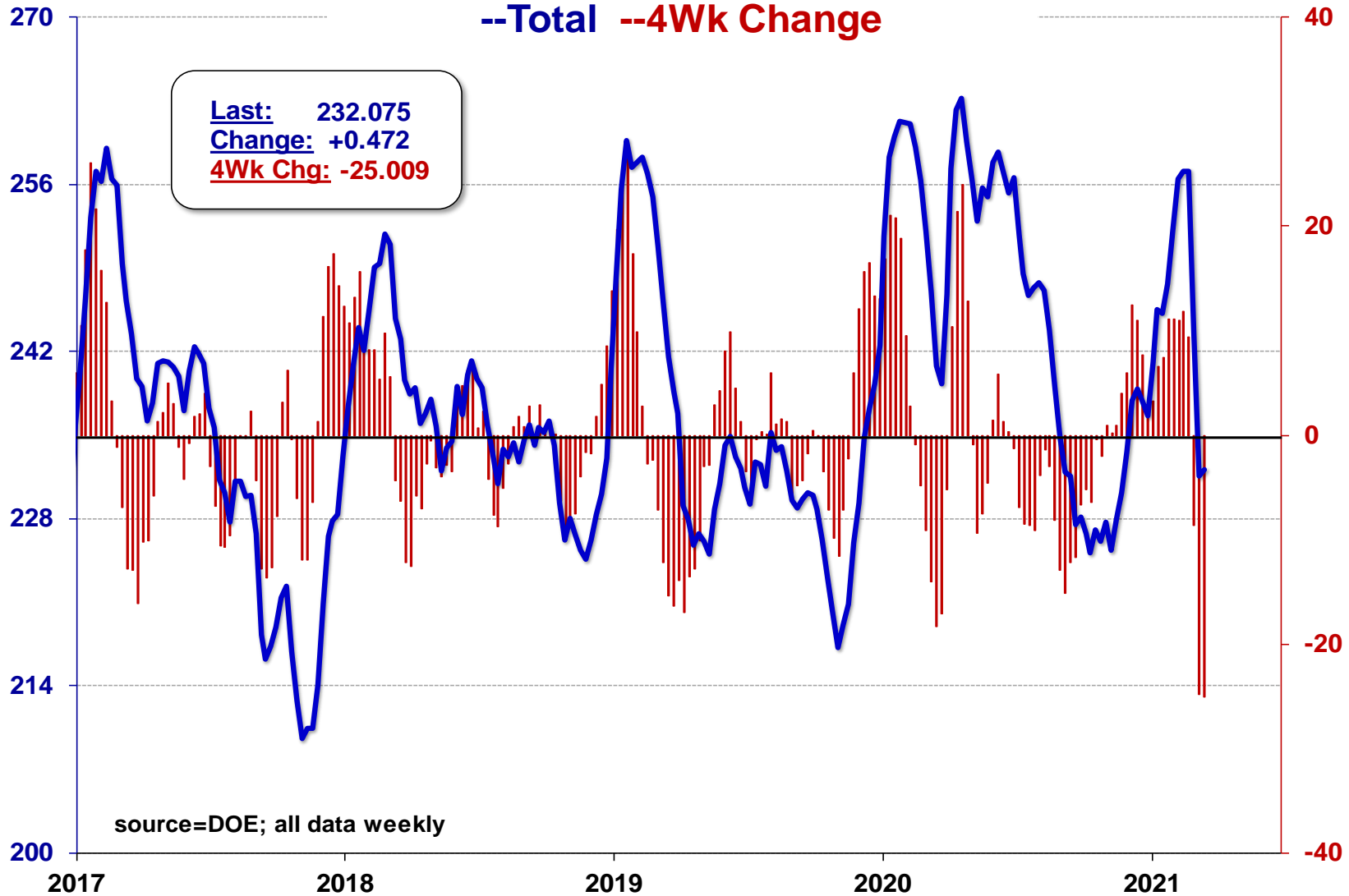


Last: 48,210  
Change: -624  
4Wk Chg: +3,194

source=DOE; weekly data

# Motor Gasoline Inventories (bbl mln):

--Total --4Wk Change



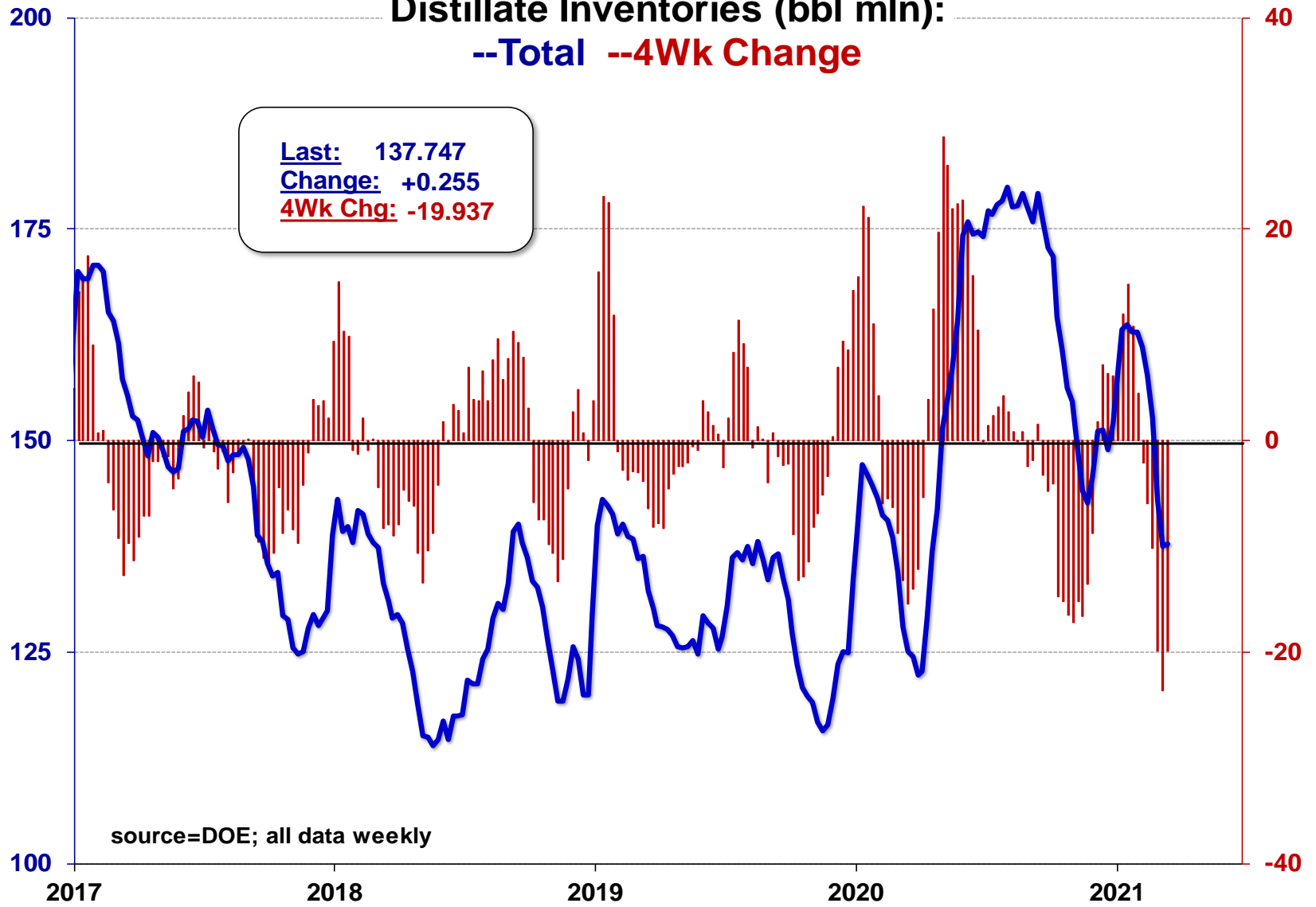
**Last:** 232.075  
**Change:** +0.472  
**4Wk Chg:** -25.009

source=DOE; all data weekly

# Distillate Inventories (bbl mln):

--Total --4Wk Change

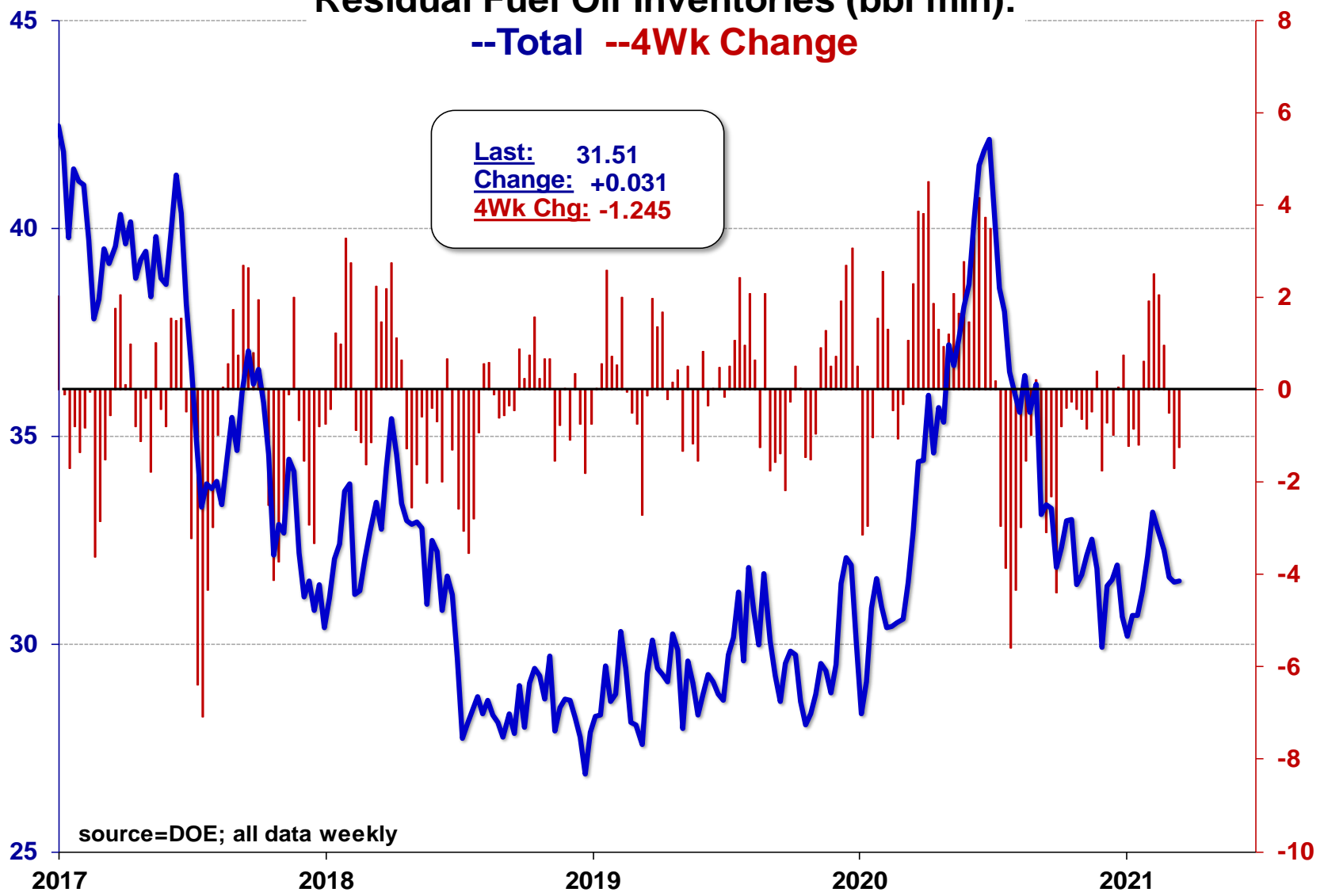
Last: 137.747  
Change: +0.255  
4Wk Chg: -19.937



source=DOE; all data weekly

# Residual Fuel Oil Inventories (bbl mln):

--Total --4Wk Change

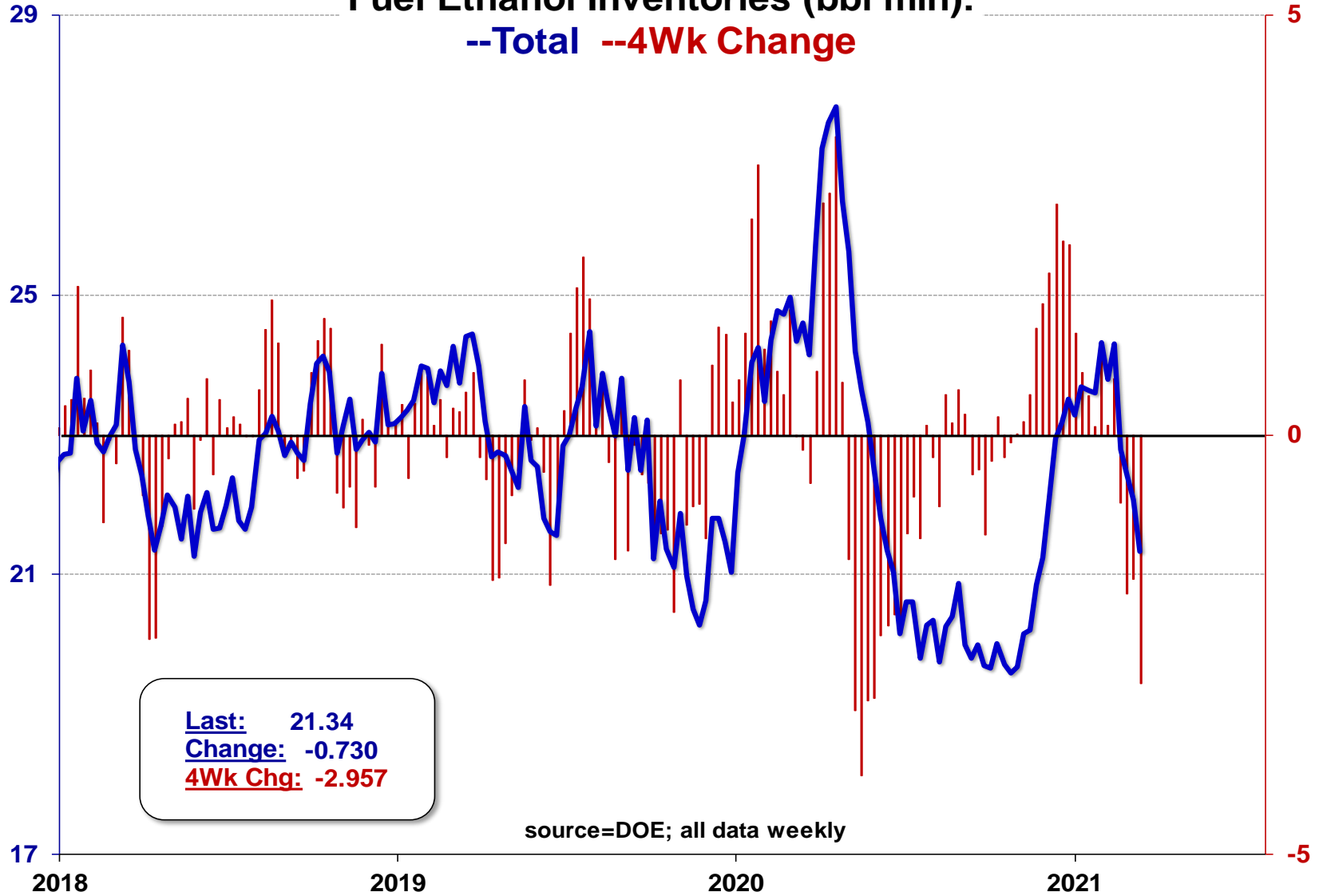


Last: 31.51  
Change: +0.031  
4Wk Chg: -1.245

source=DOE; all data weekly

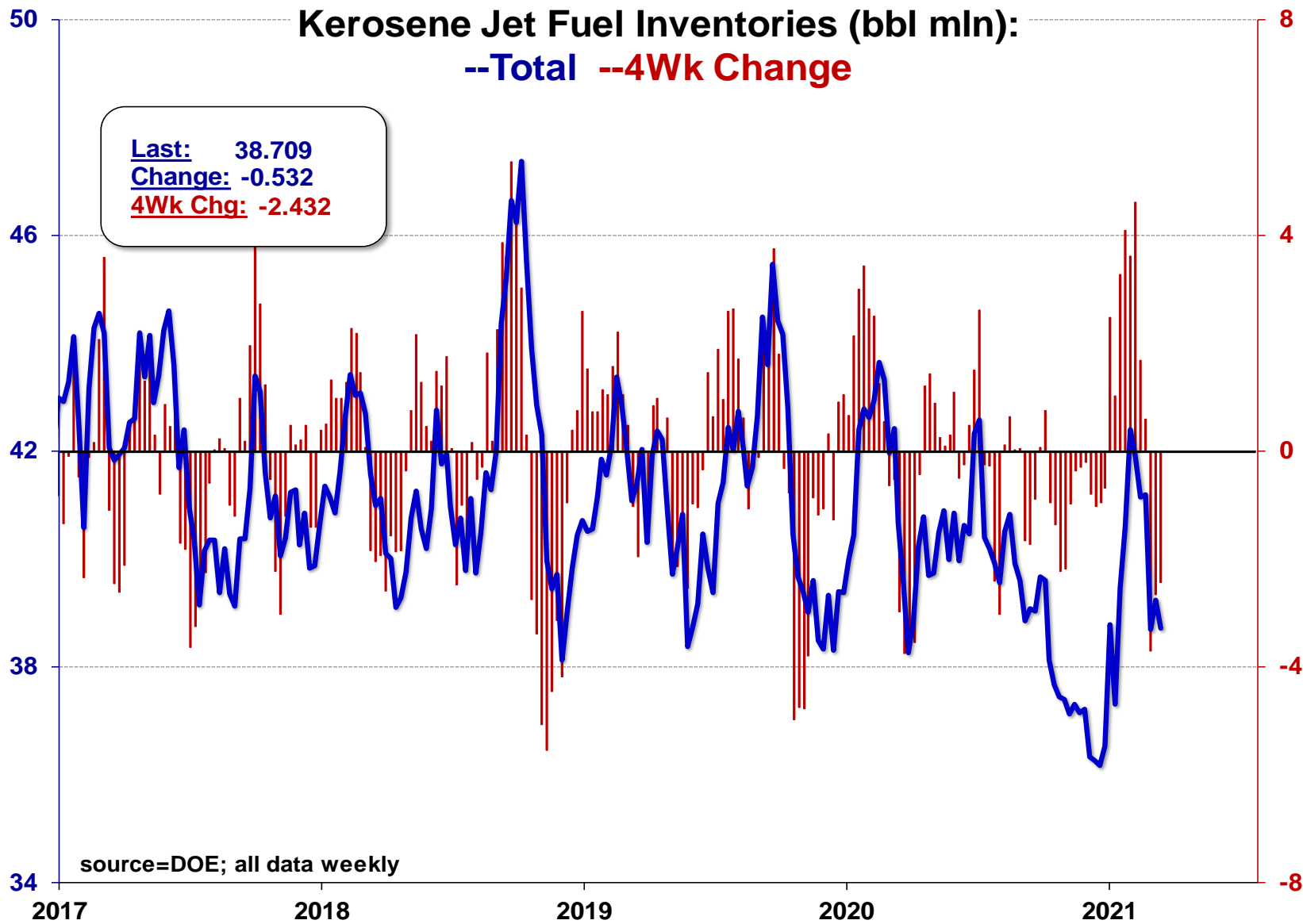
# Fuel Ethanol Inventories (bbl mln):

--Total --4Wk Change



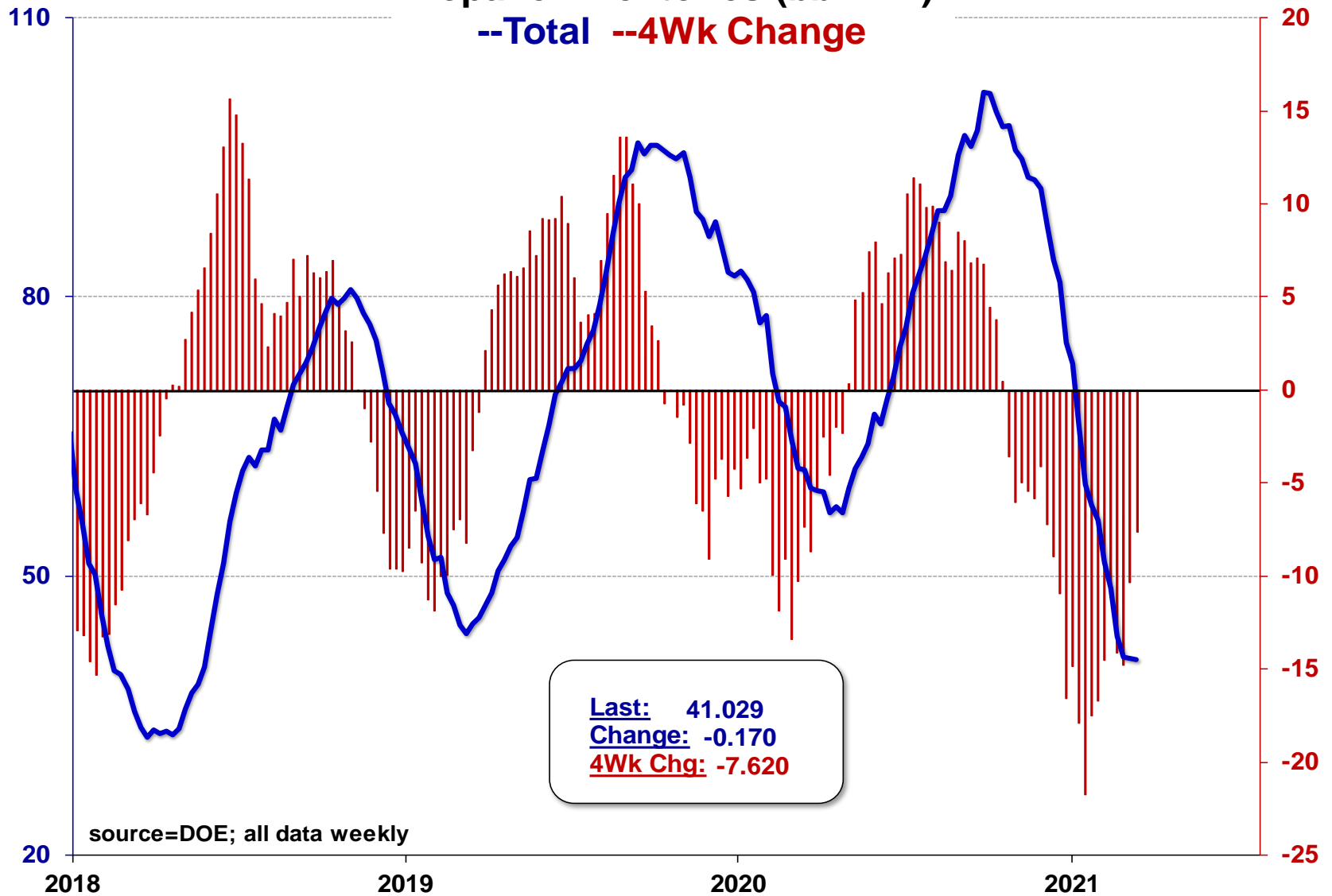
**Last:** 21.34  
**Change:** -0.730  
**4Wk Chg:** -2.957

source=DOE; all data weekly



# Propane Inventories (bbl mln):

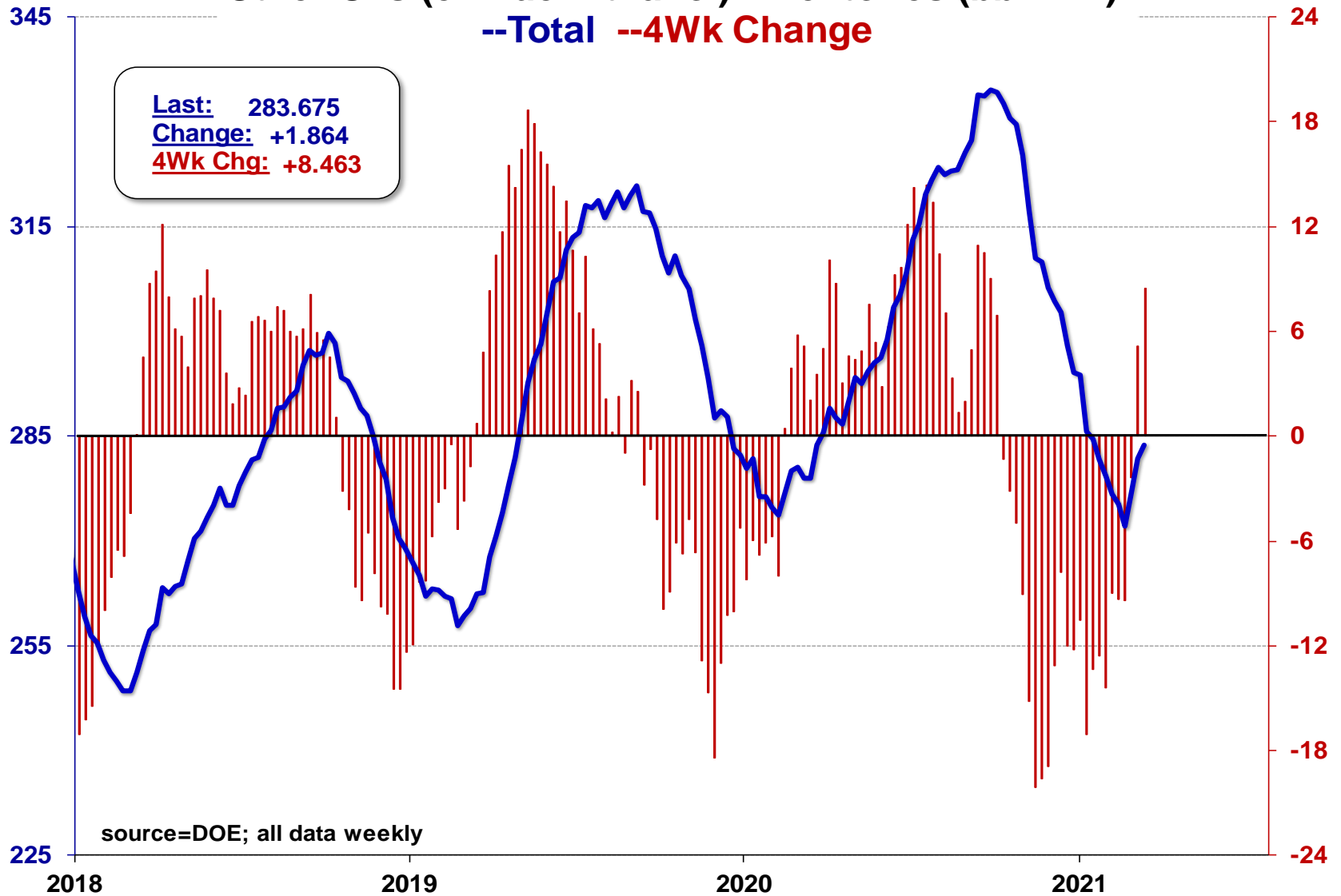
--Total --4Wk Change



source=DOE; all data weekly

# Other Oils (ex-Fuel Ethanol) Inventories (bbl mln):

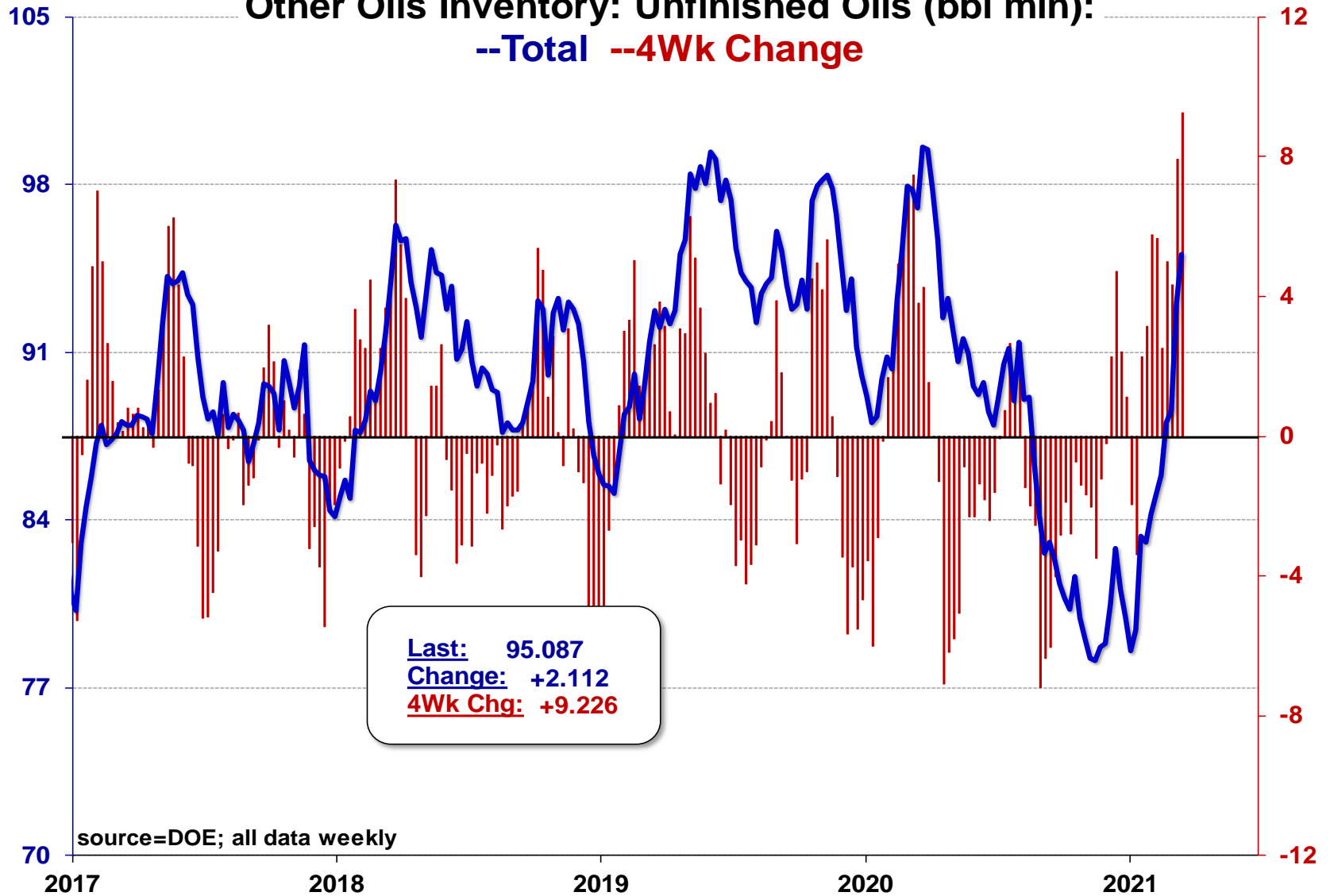
--Total --4Wk Change





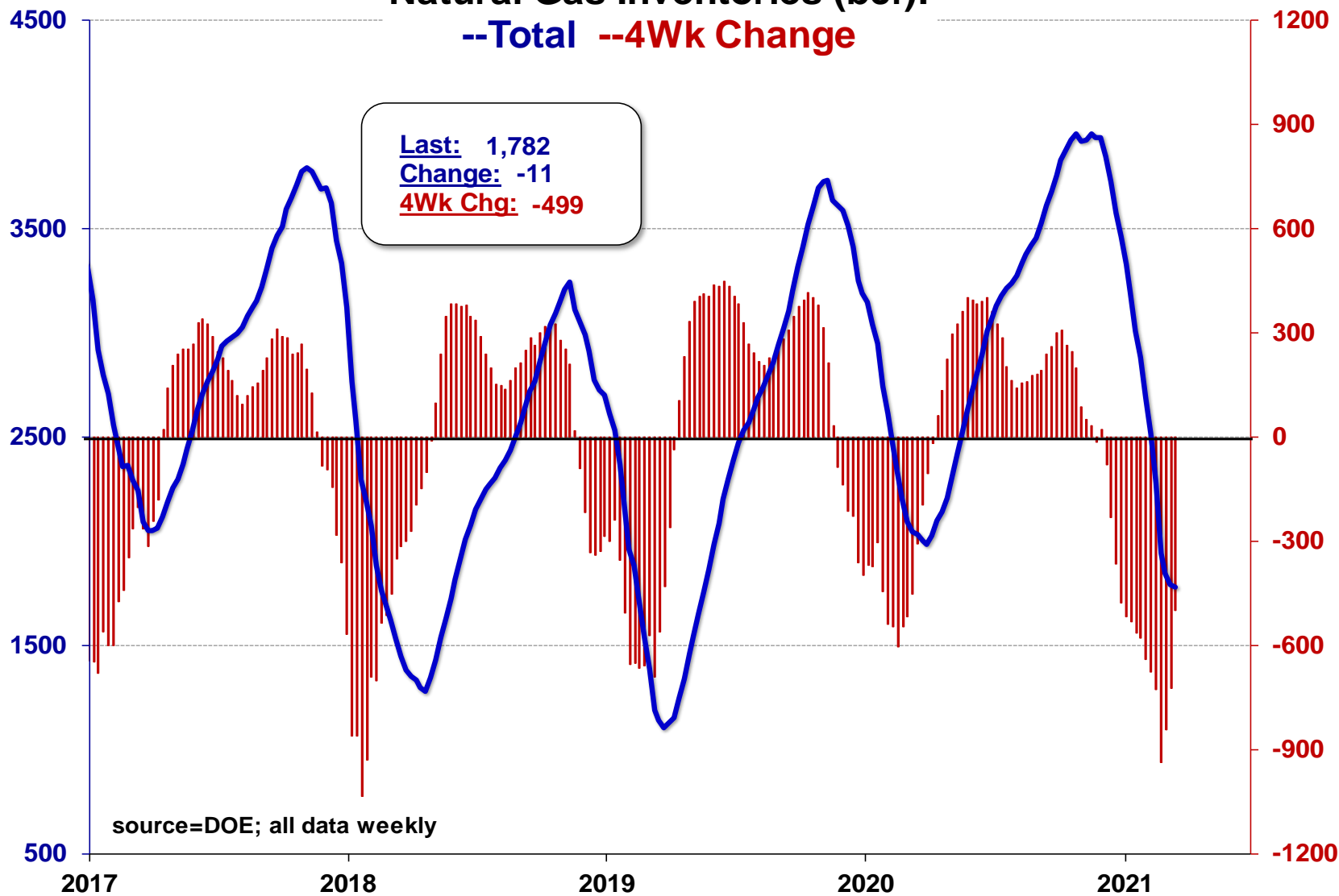
# Other Oils Inventory: Unfinished Oils (bbl mln):

--Total --4Wk Change



# Natural Gas Inventories (bcf):

--Total --4Wk Change



source=DOE; all data weekly

DOE WEEKLY PETROLEUM REPORT  
 INPUTS & PRODUCTION BY PAD DISTRICT

Data thru:  
 3/12/2021

	Last (bpd 000s)	1Wk Change	1Wk % Change	4Wk Change	4Wk % Change	4Wk Avg Y/Y%	4Wk Avg 5YR%	Record High/Low?
<b>Refiner Net Input Crude Oil</b>								
<b>Net Total</b>	13,433	+1,123	+9.12%	-1386	-9.35%	-24.28%	-24.54%	NO
East Coast (PADD 1)	676	+60	+9.74%	+89	+15.16%	-8.33%	-43.08%	NO
Midwest (PADD 2)	3,571	+239	+7.17%	-1	-0.03%	-10.41%	0.00%	NO
Gulf Coast (PADD 3)	6,706	+855	+14.61%	-1584	-19.11%	-33.78%	-32.07%	NO
Rocky Mountain (PADD 4)	560	-20	-3.45%	-4	-0.71%	-6.33%	-5.08%	NO
West Coast (PADD 5)	1,920	-11	-0.57%	+114	+6.31%	-20.70%	-18.01%	NO
<b>Gross Inputs Into Refineries</b>								
<b>Net Total</b>	13,989	+1,294	+10.19%	-1297	-8.48%	-24.12%	-22.81%	NO
East Coast (PADD 1)	679	+43	+6.76%	+76	+12.60%	-8.70%	-40.62%	NO
Midwest (PADD 2)	3,580	+241	+7.22%	+13	+0.36%	-10.63%	-8.70%	NO
Gulf Coast (PADD 3)	7,039	+992	+16.40%	-1576	-18.29%	-33.88%	-29.87%	NO
Rocky Mountain (PADD 4)	561	-15	-2.60%	-3	-0.53%	-6.37%	-5.32%	NO
West Coast (PADD 5)	2,130	+33	+1.57%	+192	+9.91%	-17.99%	-15.80%	NO
<b>Crude Oil Distillation Capacity</b>								
<b>Net Total</b>	18,386	00	0.00%	-2	-0.01%	-2.24%	+1.18%	NO
East Coast (PADD 1)	889	00	0.00%	0	0.00%	-27.37%	-30.16%	LOW
Midwest (PADD 2)	4,177	00	0.00%	0	0.00%	+0.72%	+7.71%	NO
Gulf Coast (PADD 3)	9,956	00	0.00%	0	0.00%	+0.81%	+5.50%	NO
Rocky Mountain (PADD 4)	650	00	0.00%	-2	-0.31%	-5.24%	0.00%	NO
West Coast (PADD 5)	2,714	00	0.00%	0	0.00%	-5.60%	-7.47%	LOW
<b>Refinery Capacity Utilization</b>								
	<b>Percent</b>	<b>1wk Chg</b>		<b>4wk chg</b>		<b>1yr chg</b>	<b>5yr chg</b>	
<b>Total</b>	76.1	+07		-7.0		-10.3	-12.9	NO
East Coast (PADD 1)	76.3	+05		+8.5		+19.2	-3.9	NO
Midwest (PADD 2)	85.7	+06		+0.3		+0.2	-4.6	NO
Gulf Coast (PADD 3)	70.7	+10		-15.8		-20.8	-19.9	NO
Rocky Mountain (PADD 4)	86.3	-02		-0.1		-0.1	-8.7	NO
West Coast (PADD 5)	78.5	+01		+7.1		-3.8	-6.2	NO

DOE WEEKLY PETROLEUM REPORT  
INPUTS & PRODUCTION BY PAD DISTRICT

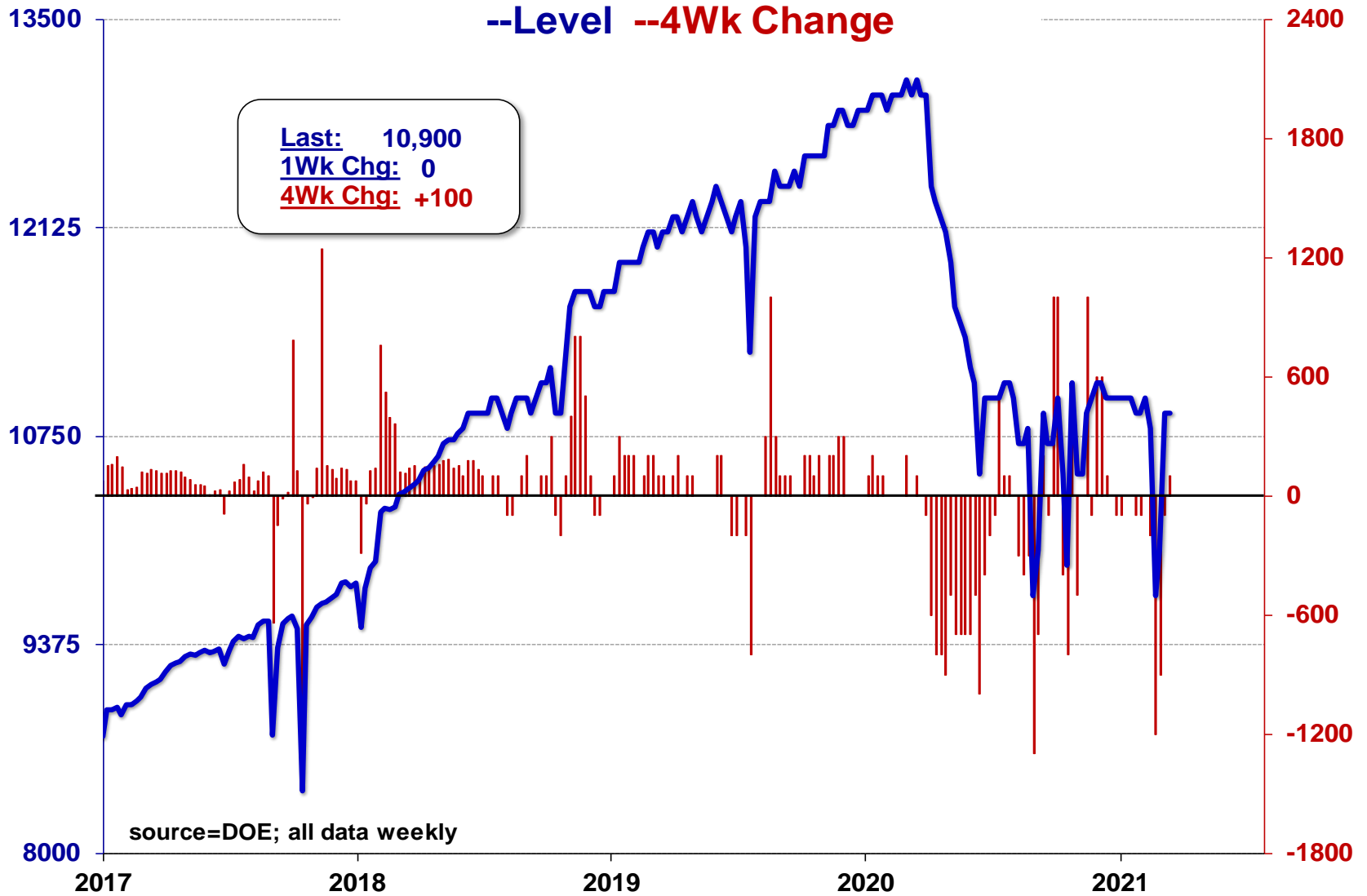
Data thru: 3/12/2021	Last (bpd 000s)	1Wk Change	1Wk % Change	4Wk Change	4Wk % Change	4Wk Avg Y/Y%	4Wk Avg 5YR%	Record High/Low?
<b>Prod'n Finished Motor Gas</b>								
<b>Adjusted Net Total</b>	8,877	-128	-1.42%	-154	-1.71%	-14.09%	-12.89%	NO
<b>Net Total</b>	9,124	+441	+5.08%	+377	+4.31%	-13.18%	-11.94%	NO
East Coast (PADD 1)	2,949	+30	+1.03%	+173	+6.23%	-10.77%	-8.25%	NO
Midwest (PADD 2)	2,326	+42	+1.84%	+29	+1.26%	-9.79%	-11.44%	NO
Gulf Coast (PADD 3)	2,137	+356	+19.99%	+49	+2.35%	-22.06%	-17.17%	NO
Rocky Mountain (PADD 4)	302	00	0.00%	+18	+6.34%	-7.78%	-1.24%	NO
West Coast (PADD 5)	1,410	+13	+0.93%	+107	+8.21%	-11.52%	-14.83%	NO
<u>Prod'n Reformulated Motor Gas</u>	2,798	+66	+2.42%	+160	+6.07%	-15.27%	-15.77%	NO
<u>Prod'n Conventional Motor Gas</u>	6,325	+374	+6.28%	+216	+3.54%	-12.20%	-10.07%	NO
<u>Supply Adj. Finished Motor Gas</u>	-247	-569	-176.71%	-530	-187.28%	-284.21%	-270.14%	NO
<b>Prod'n Kerosene-Type Jet Fuel</b>								
<b>Net Total</b>	989	+88	+9.77%	-158	-13.78%	-44.43%	-43.55%	NO
East Coast (PADD 1)	36	-14	-28.00%	+2	+5.88%	-46.54%	-54.55%	NO
Midwest (PADD 2)	212	+43	+25.44%	+23	+12.17%	-22.65%	-27.31%	NO
Gulf Coast (PADD 3)	461	+88	+23.59%	-167	-26.59%	-55.25%	-51.42%	NO
Rocky Mountain (PADD 4)	33	+01	+3.13%	+2	+6.45%	+4.24%	-10.22%	NO
West Coast (PADD 5)	247	-30	-10.83%	-18	-6.79%	-36.61%	-38.18%	NO
<b>Prod'n Distillate Fuel Oil</b>								
<b>Net Total</b>	4,228	+524	+14.15%	-346	-7.56%	-23.48%	-22.99%	NO
East Coast (PADD 1)	209	+29	+16.11%	+11	+5.56%	+2.96%	-34.08%	NO
Midwest (PADD 2)	1,063	+133	+14.30%	+42	+4.11%	-10.66%	-12.89%	NO
Gulf Coast (PADD 3)	2,268	+361	+18.93%	-422	-15.69%	-32.90%	-28.40%	NO
Rocky Mountain (PADD 4)	179	-12	-6.28%	-17	-8.67%	-12.76%	-7.68%	NO
West Coast (PADD 5)	509	+14	+2.83%	+41	+8.76%	-13.88%	-17.14%	NO
<u>Distillate Prod'n: 0-15ppm Sulfur</u>	4,003	+498	+14.21%	-296	-6.89%	-23.41%	-21.54%	NO
<u>Distillate Prod'n: 15-500ppm Sulfur</u>	176	+84	+91.30%	+43	+32.33%	-1.36%	-12.15%	NO
<u>Distillate Prod'n: &gt;500ppm Sulfur</u>	49	-58	-54.21%	-93	-65.49%	-45.69%	-61.90%	NO

DOE WEEKLY PETROLEUM REPORT  
 INPUTS & PRODUCTION BY PAD DISTRICT

Data thru: 3/12/2021	Last (bpd 000s)	1Wk Change	1Wk % Change	4Wk Change	4Wk % Change	4Wk Avg Y/Y%	4Wk Avg 5YR%	Record High/Low?
<b>Prod'n Residual Fuel Oil</b>								
<b>Net Total</b>	177	-17	-8.76%	-30	-14.49%	-23.16%	-53.94%	NO
East Coast (PADD 1)	41	+11	+36.67%	+16	+64.00%	+130.36%	-21.34%	NO
Midwest (PADD 2)	26	-03	-10.34%	0	0.00%	-23.19%	-44.79%	NO
Gulf Coast (PADD 3)	36	-24	-40.00%	-39	-52.00%	-52.11%	0.00%	NO
Rocky Mountain (PADD 4)	10	00	0.00%	-1	-9.09%	-17.02%	+14.71%	NO
West Coast (PADD 5)	65	00	0.00%	-5	-7.14%	-4.91%	-52.99%	NO
<b>Prod'n Propane &amp; Propylene</b>								
<b>Net Total</b>	2,236	+139	+6.63%	-108	-4.61%	-11.58%	+14.89%	NO
East Coast (PADD 1)	223	-09	-3.88%	-60	-21.20%	-3.12%	+86.10%	NO
Midwest (PADD 2)	521	+20	+3.99%	+7	+1.36%	-1.85%	+17.12%	NO
Gulf Coast (PADD 3)	1,248	+129	+11.53%	-68	-5.17%	-21.03%	+0.03%	NO
Rocky Mountain + West Coast	244	-01	-0.41%	+12	+5.17%	+8.85%	+36.10%	NO
<b>Prod'n Fuel Ethanol</b>								
<b>Net Total</b>	971	+33	+3.52%	+60	+6.59%	-18.90%	-13.69%	NO
East Coast (PADD 1)	12	00	0.00%	0	0.00%	-45.88%	n/a	NO
Midwest (PADD 2)	928	+34	+3.80%	+60	+6.91%	-16.95%	0.00%	NO
Gulf Coast (PADD 3)	11	-03	-21.43%	-1	-8.33%	-55.95%	0.00%	NO
Rocky Mountain (PADD 4)	10	00	0.00%	+1	+11.11%	-38.18%	n/a	NO
West Coast (PADD 5)	9	00	0.00%	0	0.00%	-37.50%	n/a	NO

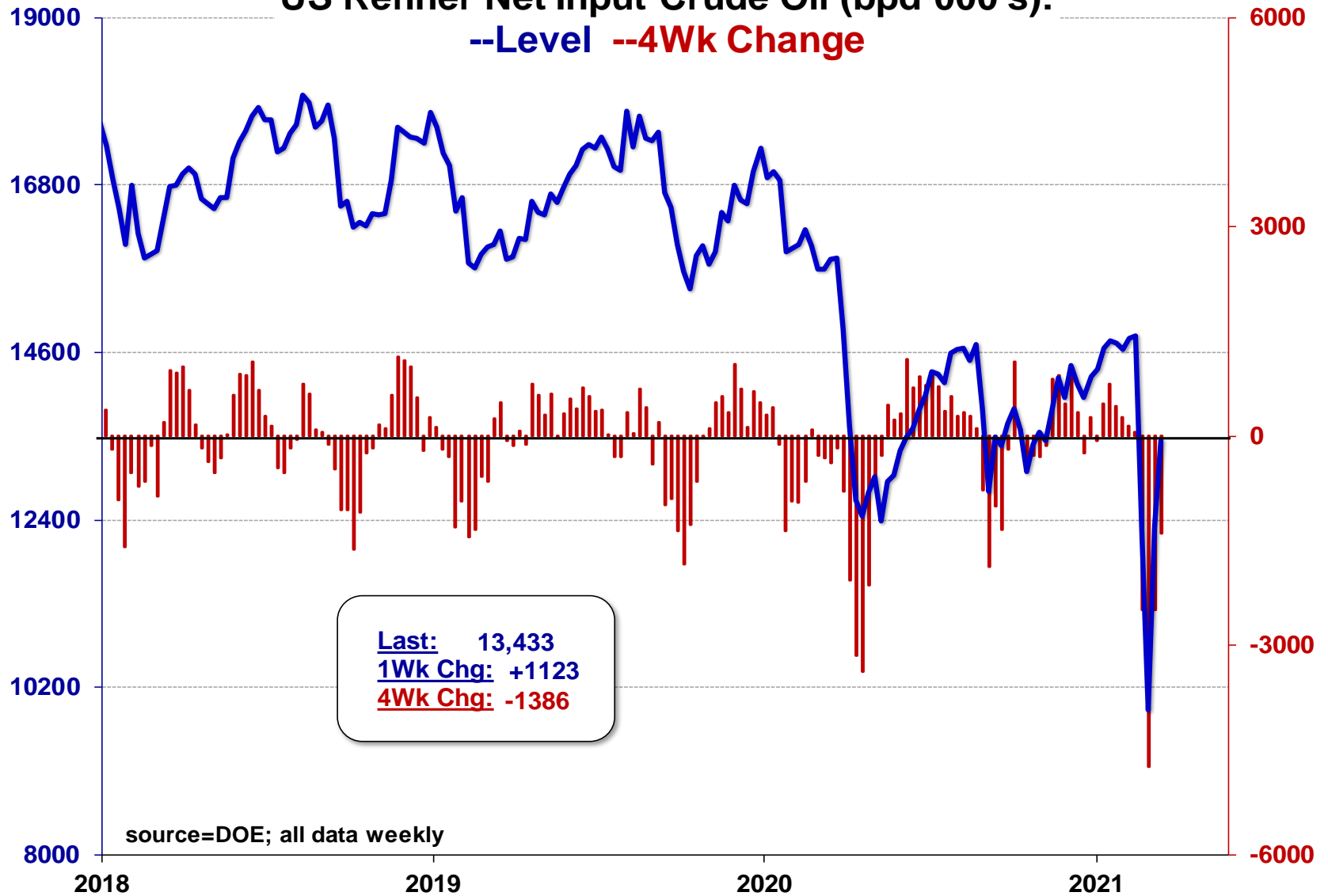
# US Crude Oil Production (bpd 000's):

--Level --4Wk Change



# US Refiner Net Input Crude Oil (bpd 000's):

--Level --4Wk Change

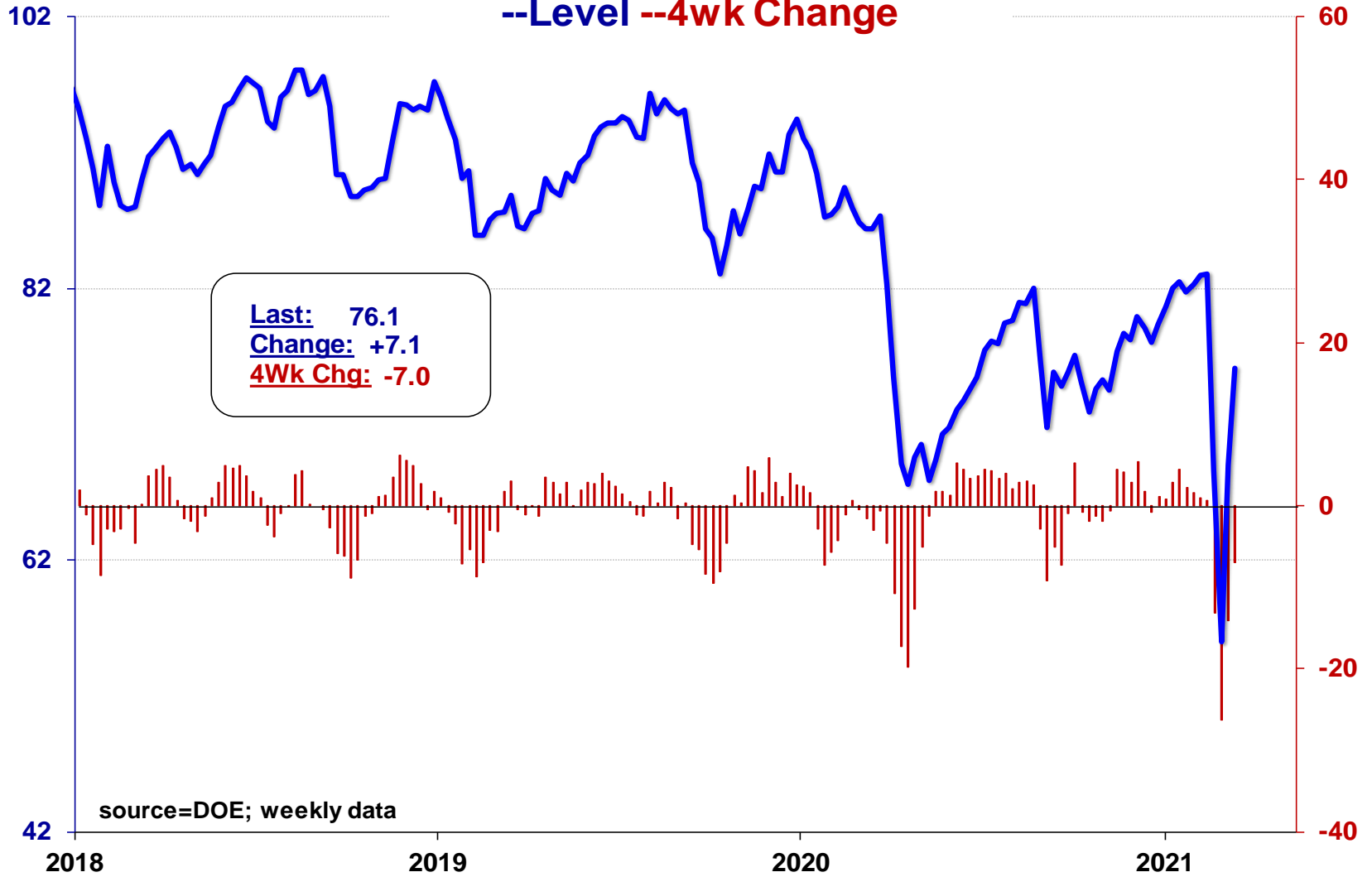


Last: 13,433  
1Wk Chg: +1123  
4Wk Chg: -1386

source=DOE; all data weekly

# Refinery Capacity Utilization (%)

--Level --4wk Change

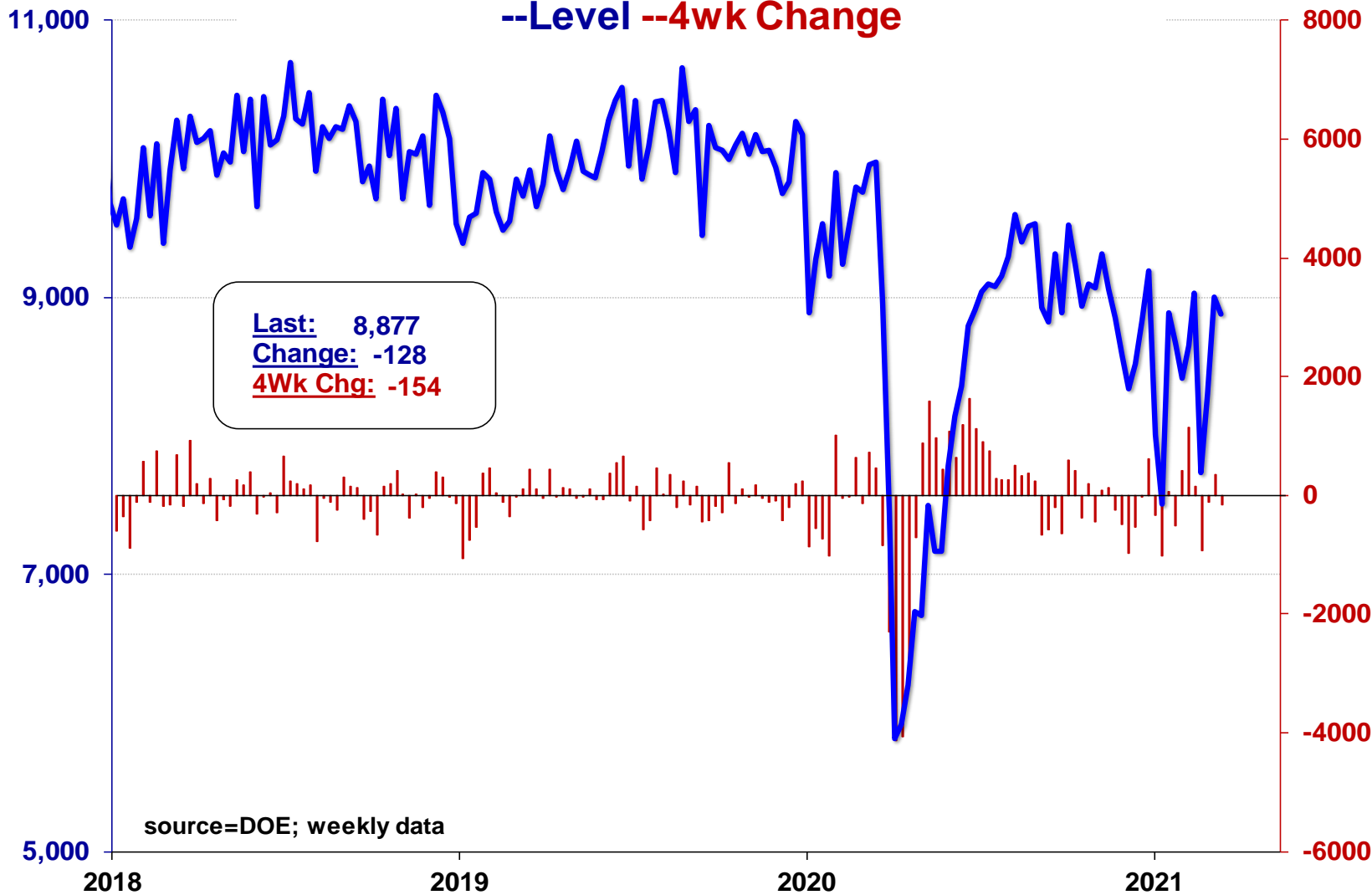


source=DOE; weekly data



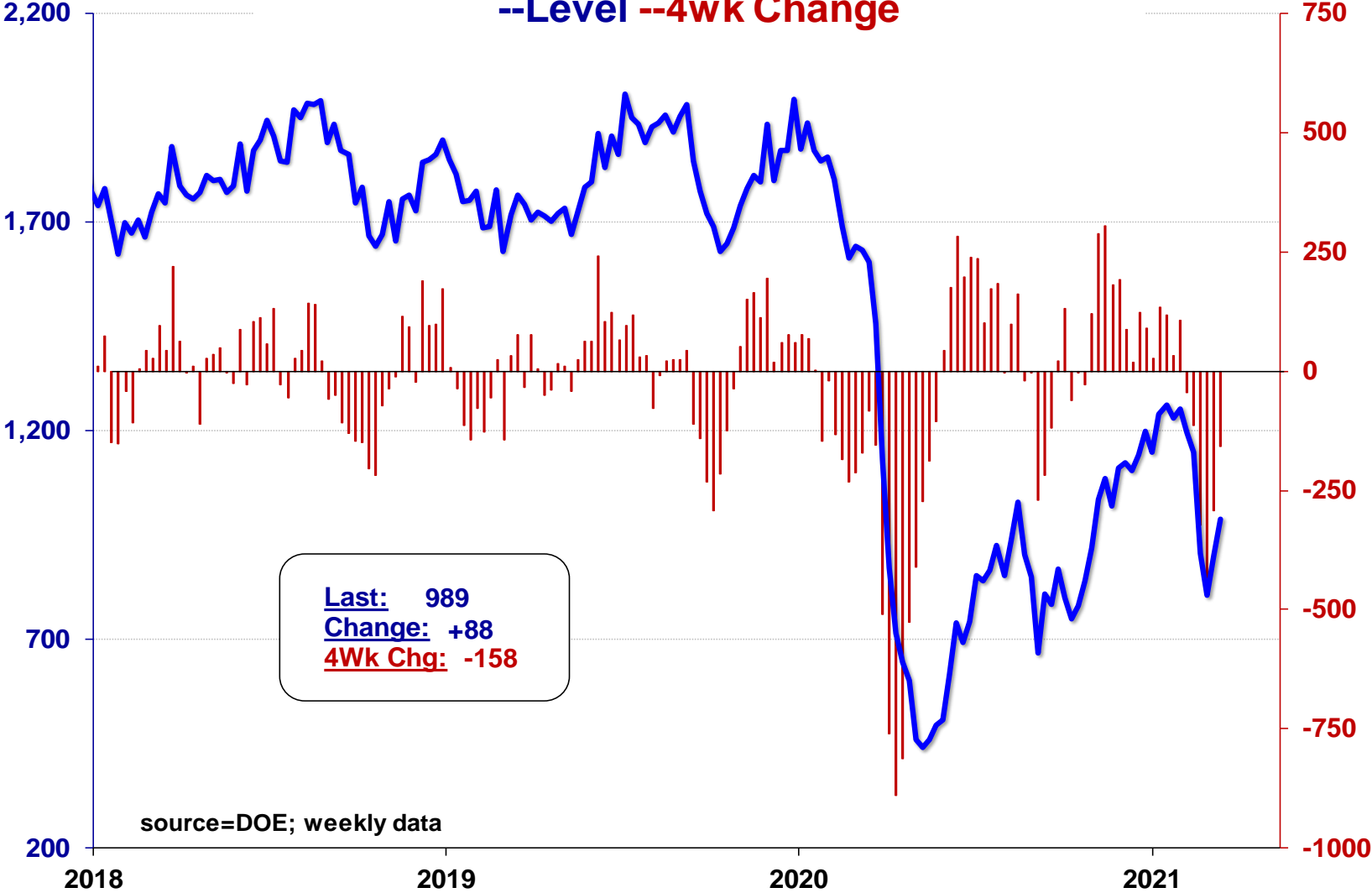
# Production: Finished Motor Gasoline (bpd 000s)

--Level --4wk Change



# Production: Kerosene-Type Jet Fuel (bpd 000s)

--Level --4wk Change

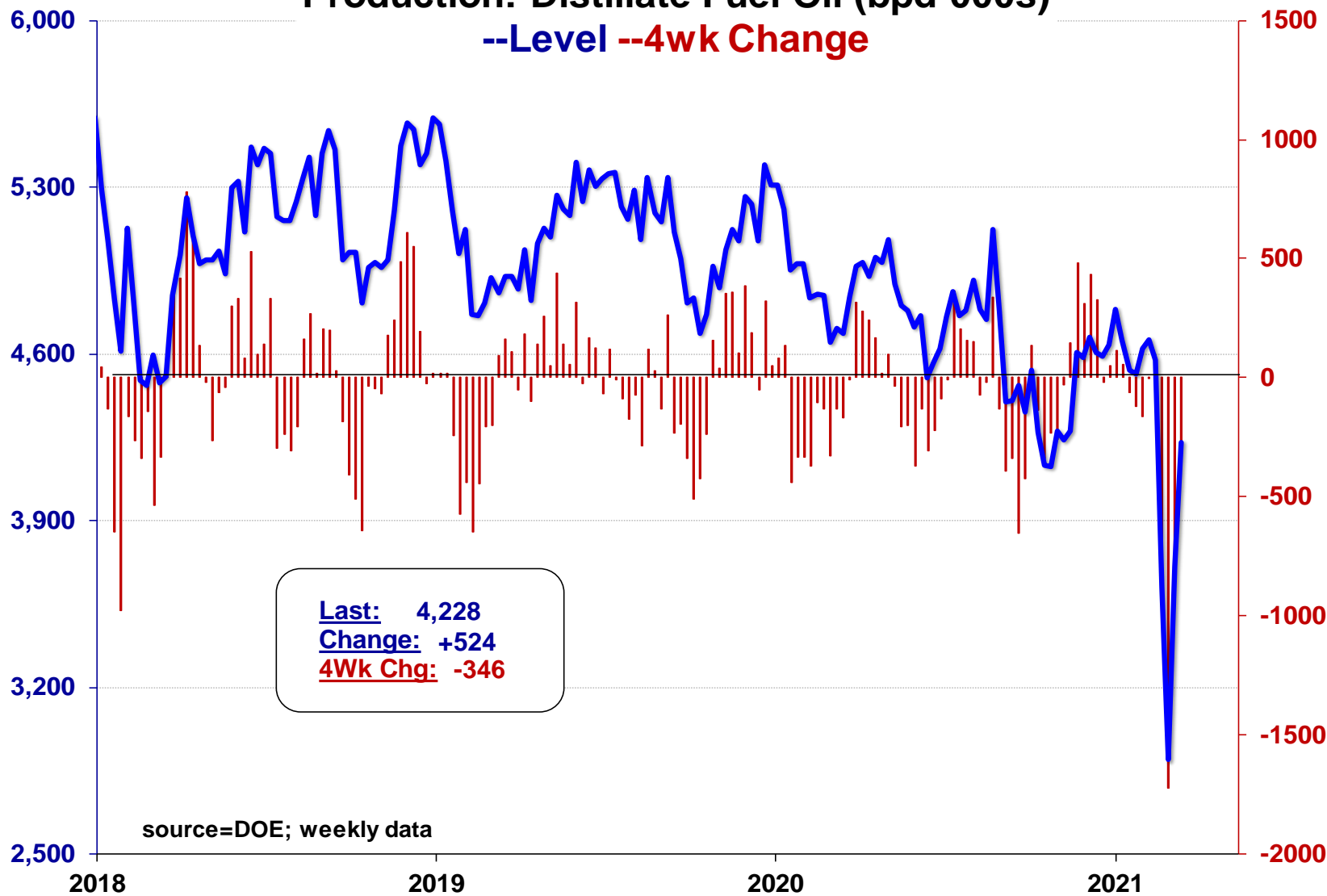


Last: 989  
Change: +88  
4Wk Chg: -158

source=DOE; weekly data

# Production: Distillate Fuel Oil (bpd 000s)

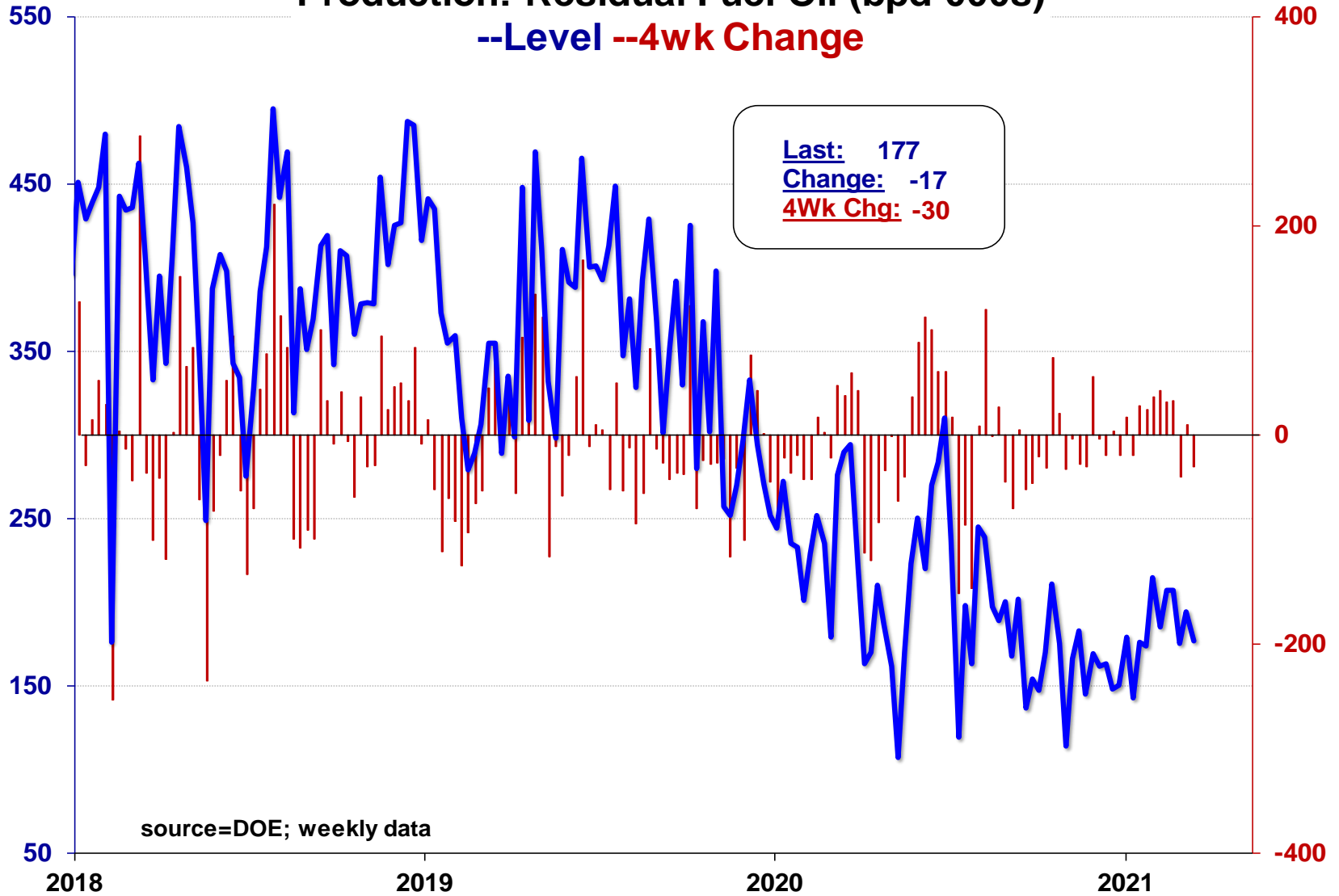
--Level --4wk Change



# Production: Residual Fuel Oil (bpd 000s)

--Level --4wk Change

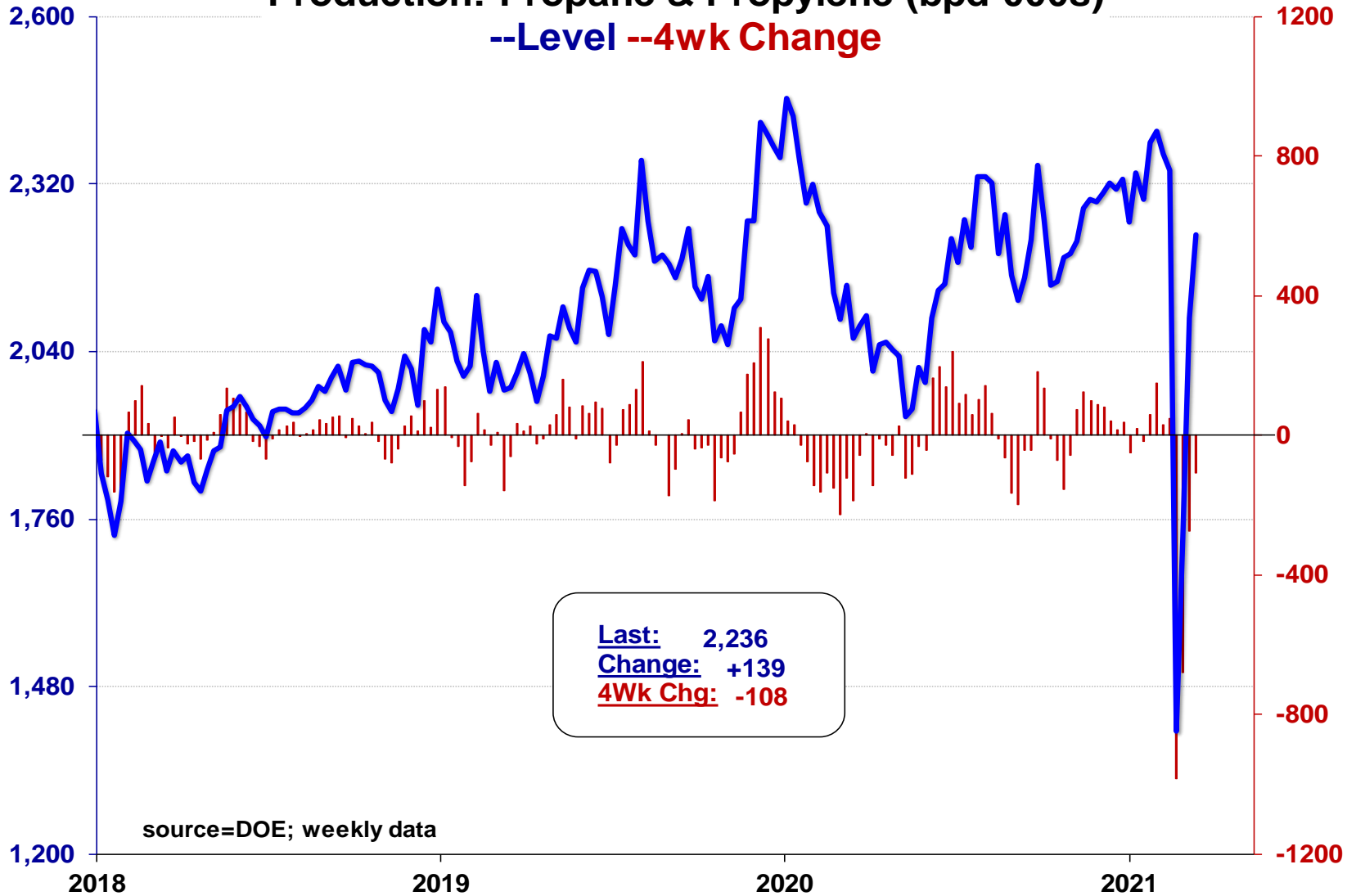
Last: 177  
Change: -17  
4Wk Chg: -30



source=DOE; weekly data

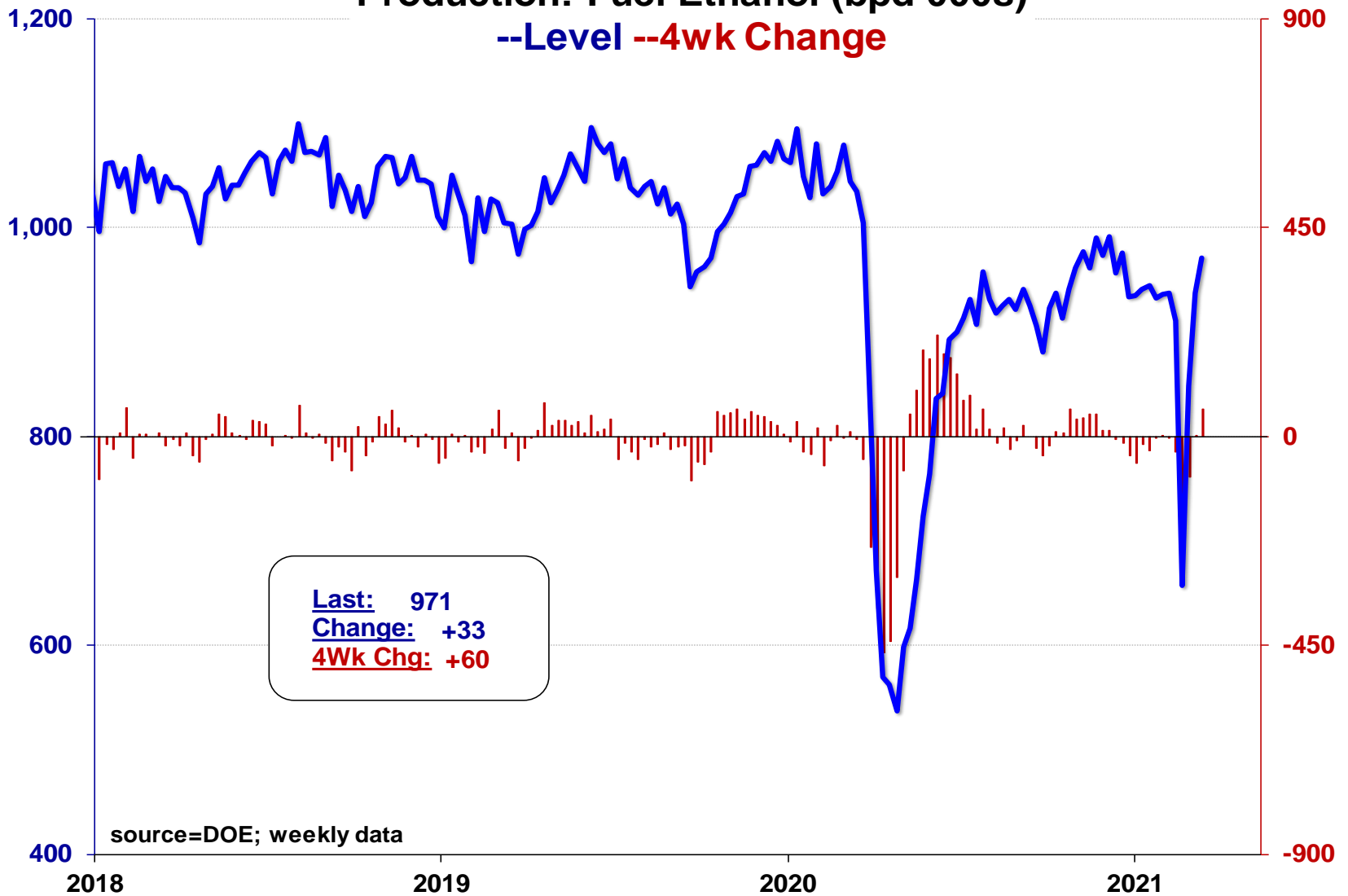
# Production: Propane & Propylene (bpd 000s)

--Level --4wk Change



# Production: Fuel Ethanol (bpd 000s)

--Level --4wk Change

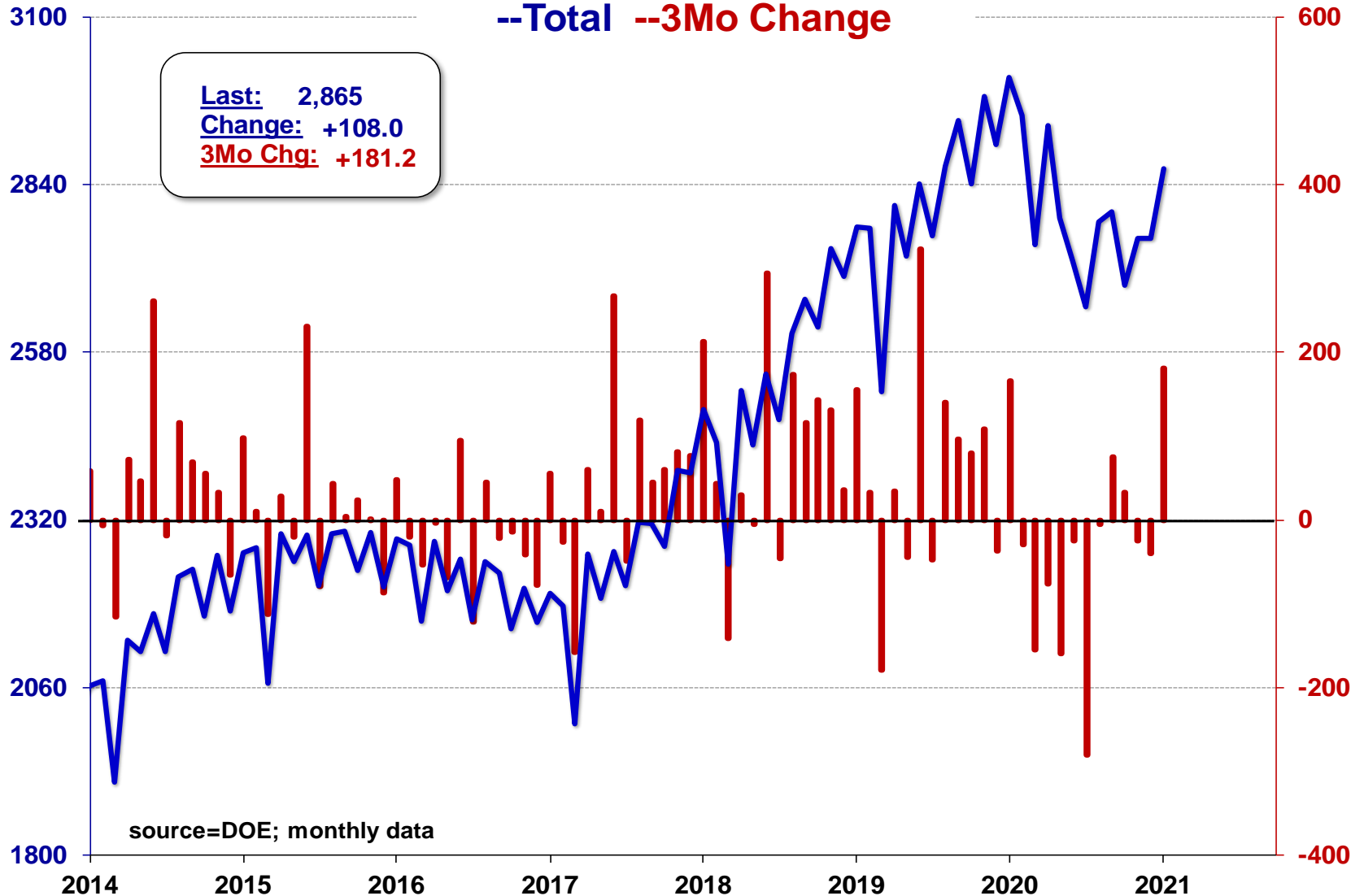


**Last:** 971  
**Change:** +33  
**4Wk Chg:** +60

source=DOE; weekly data

# Natural Gas Production (bcf):

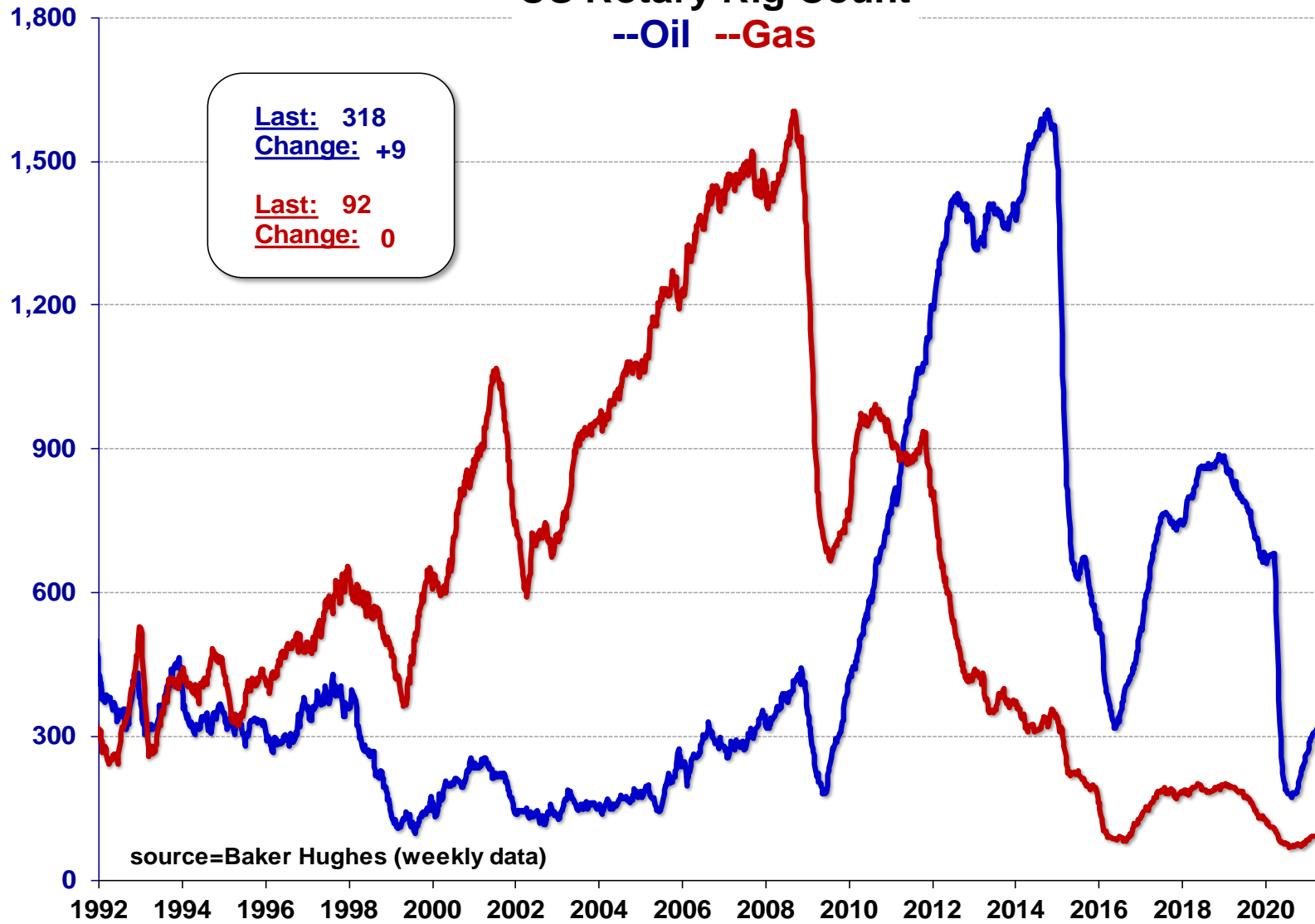
--Total --3Mo Change



source=DOE; monthly data

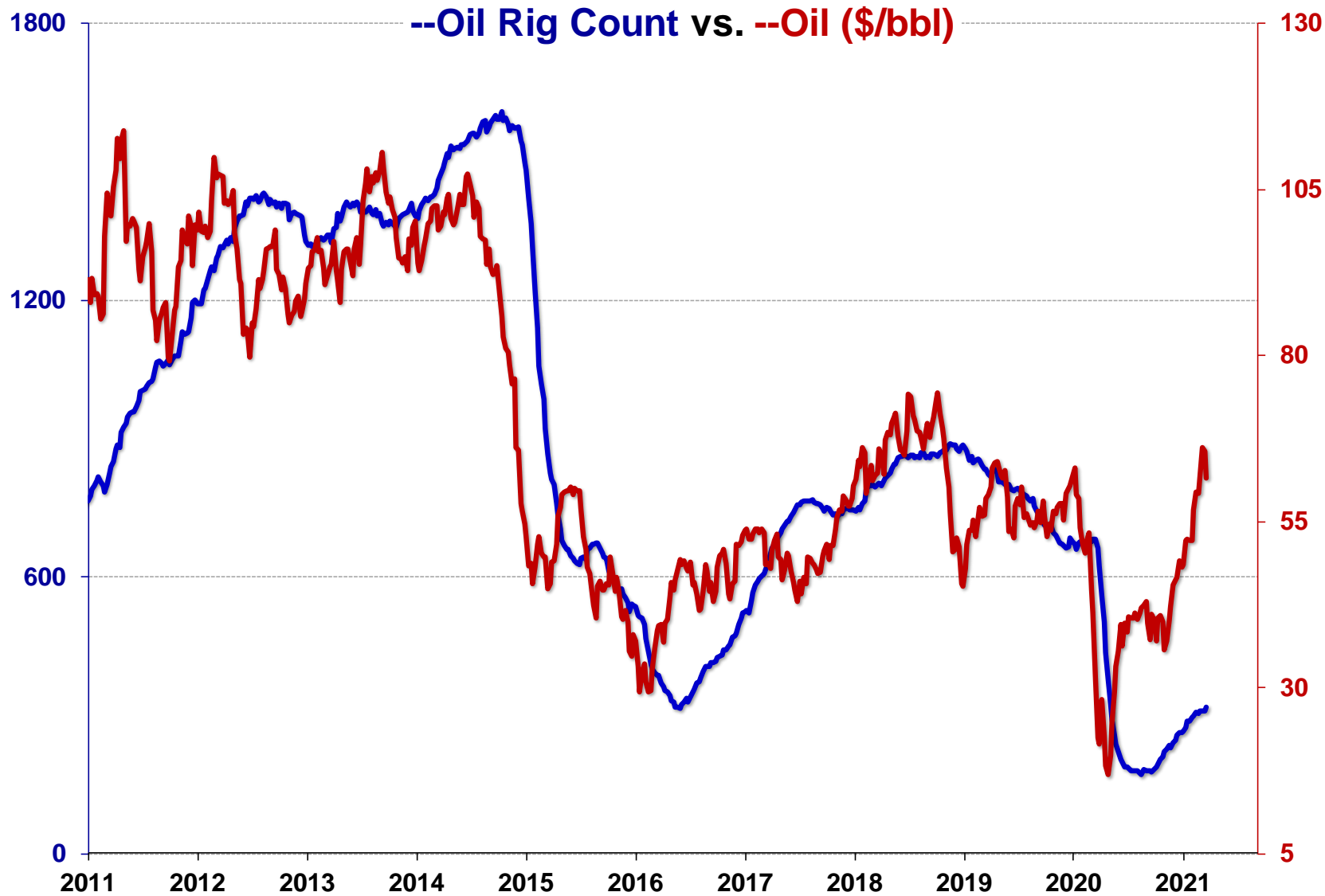
# US Rotary Rig Count

--Oil --Gas



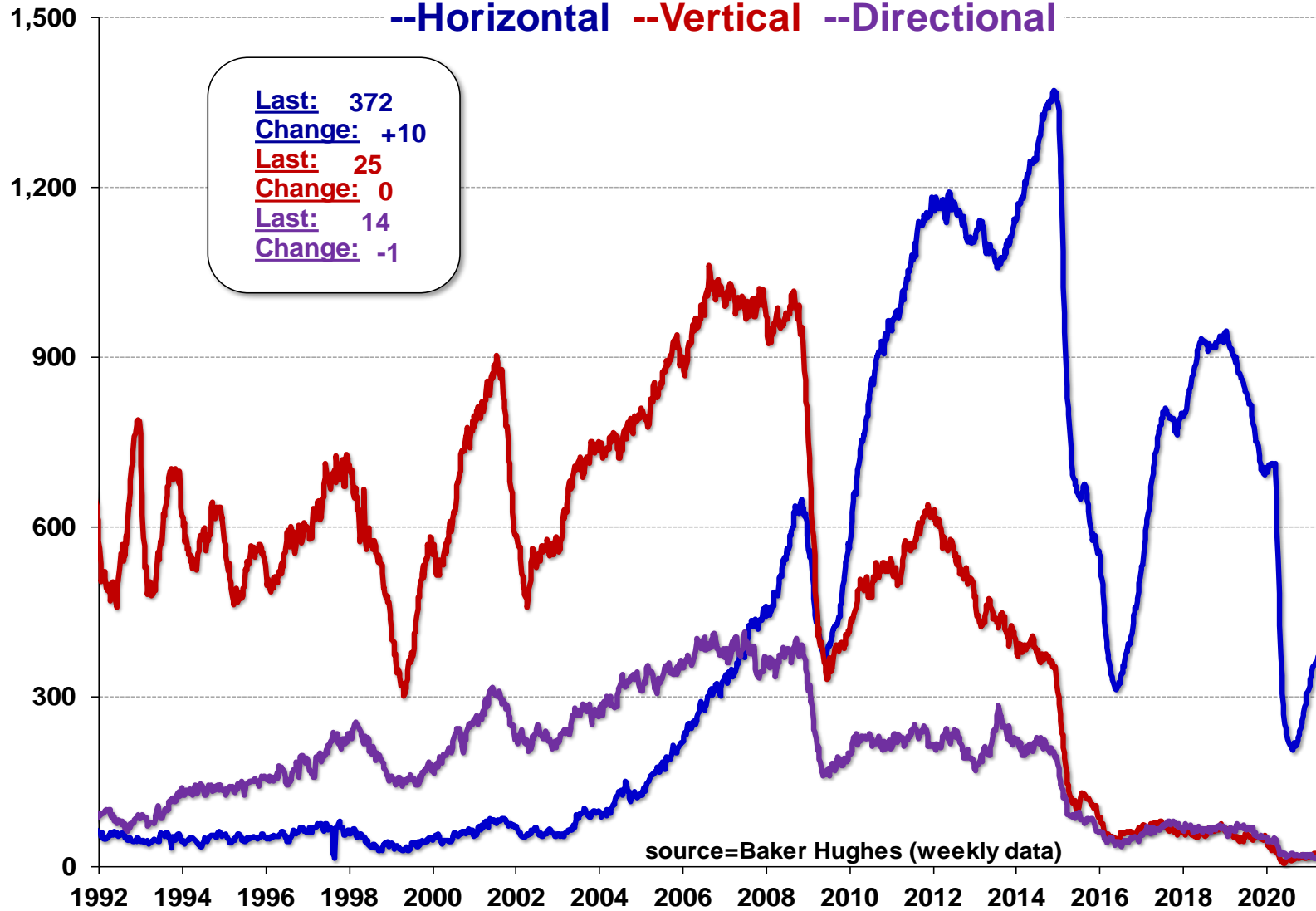
source=Baker Hughes (weekly data)





# US Rotary Rig Count

--Horizontal --Vertical --Directional

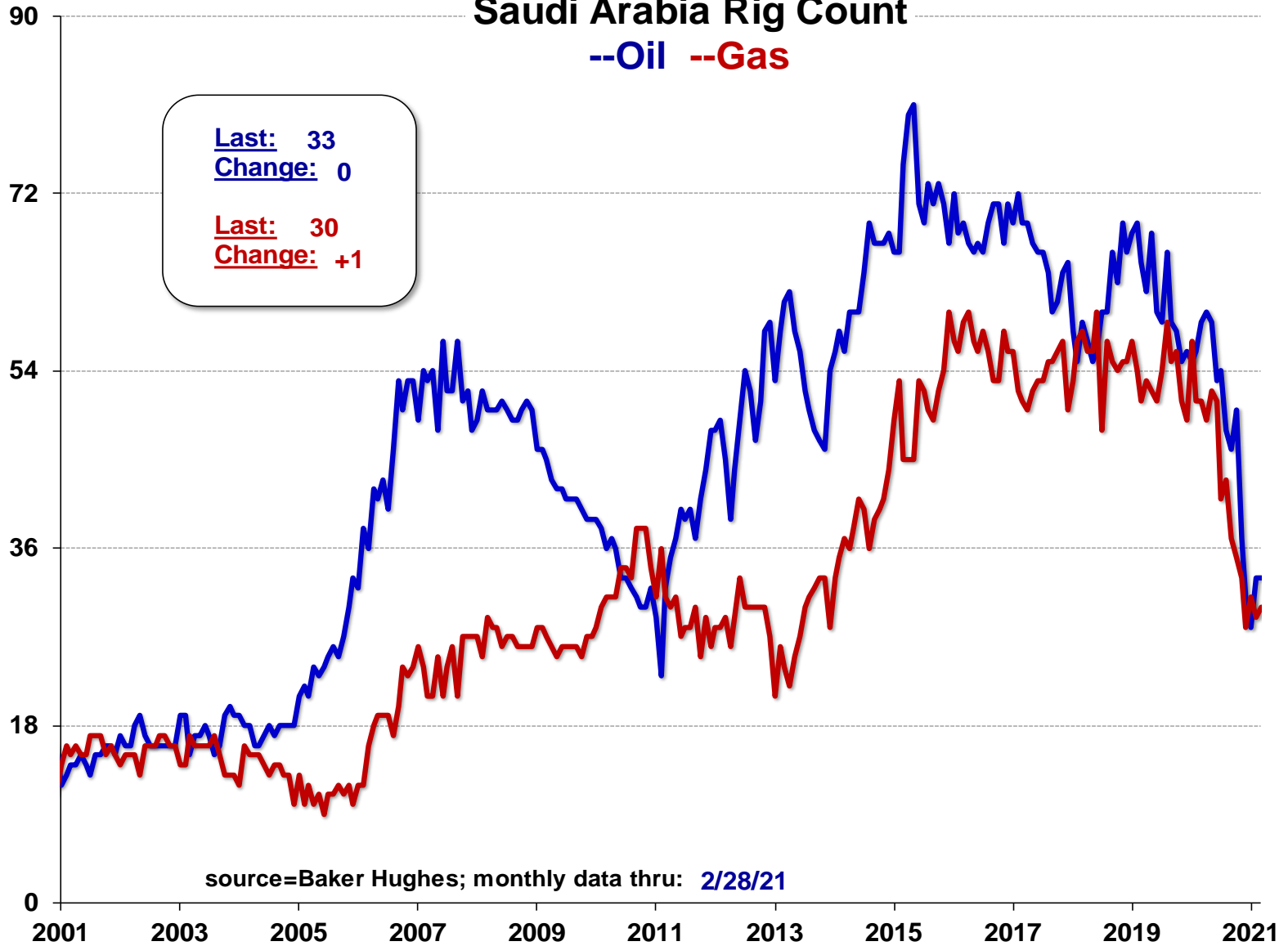


# Saudi Arabia Rig Count

--Oil --Gas

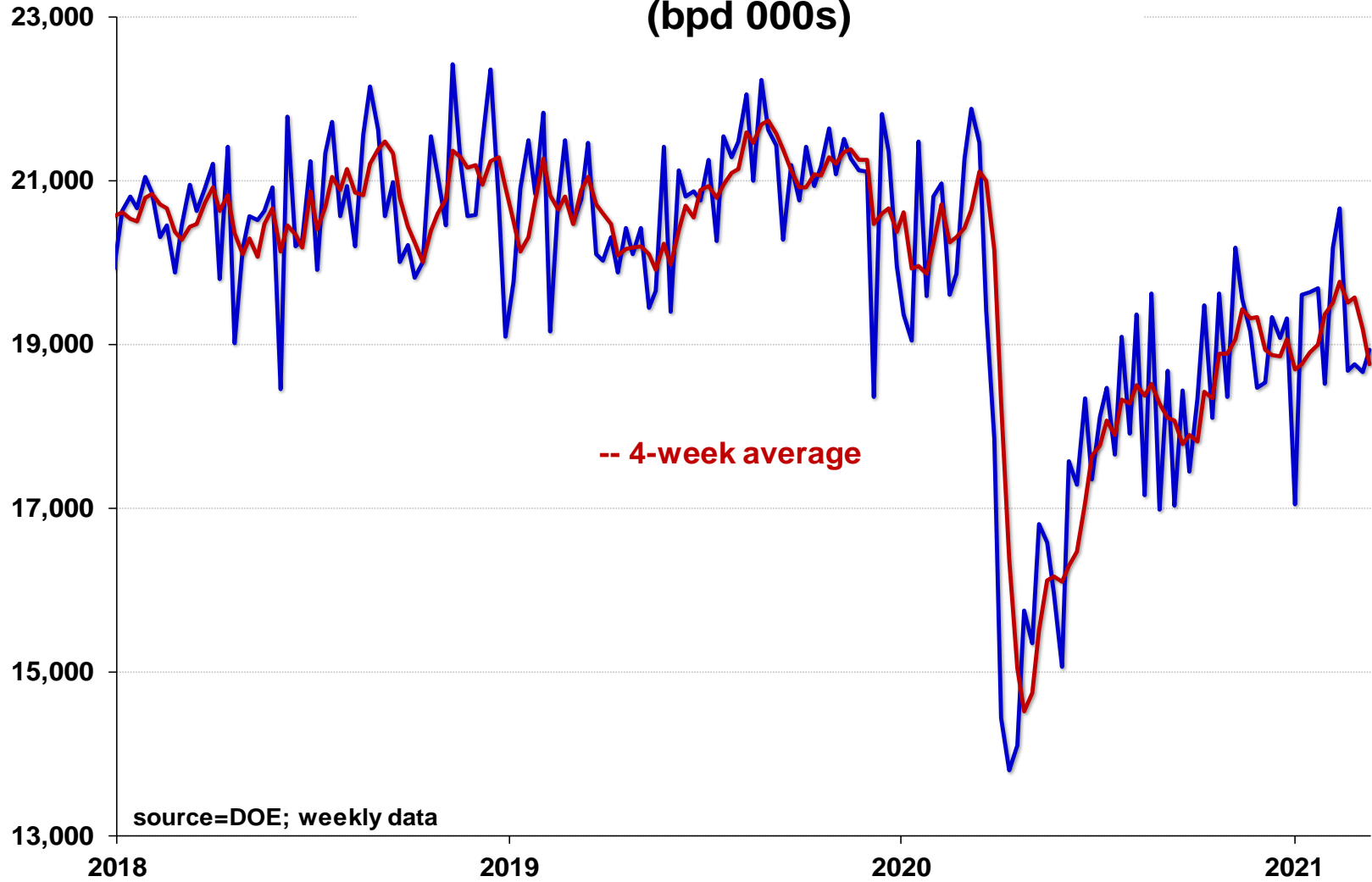
Last: 33  
Change: 0

Last: 30  
Change: +1

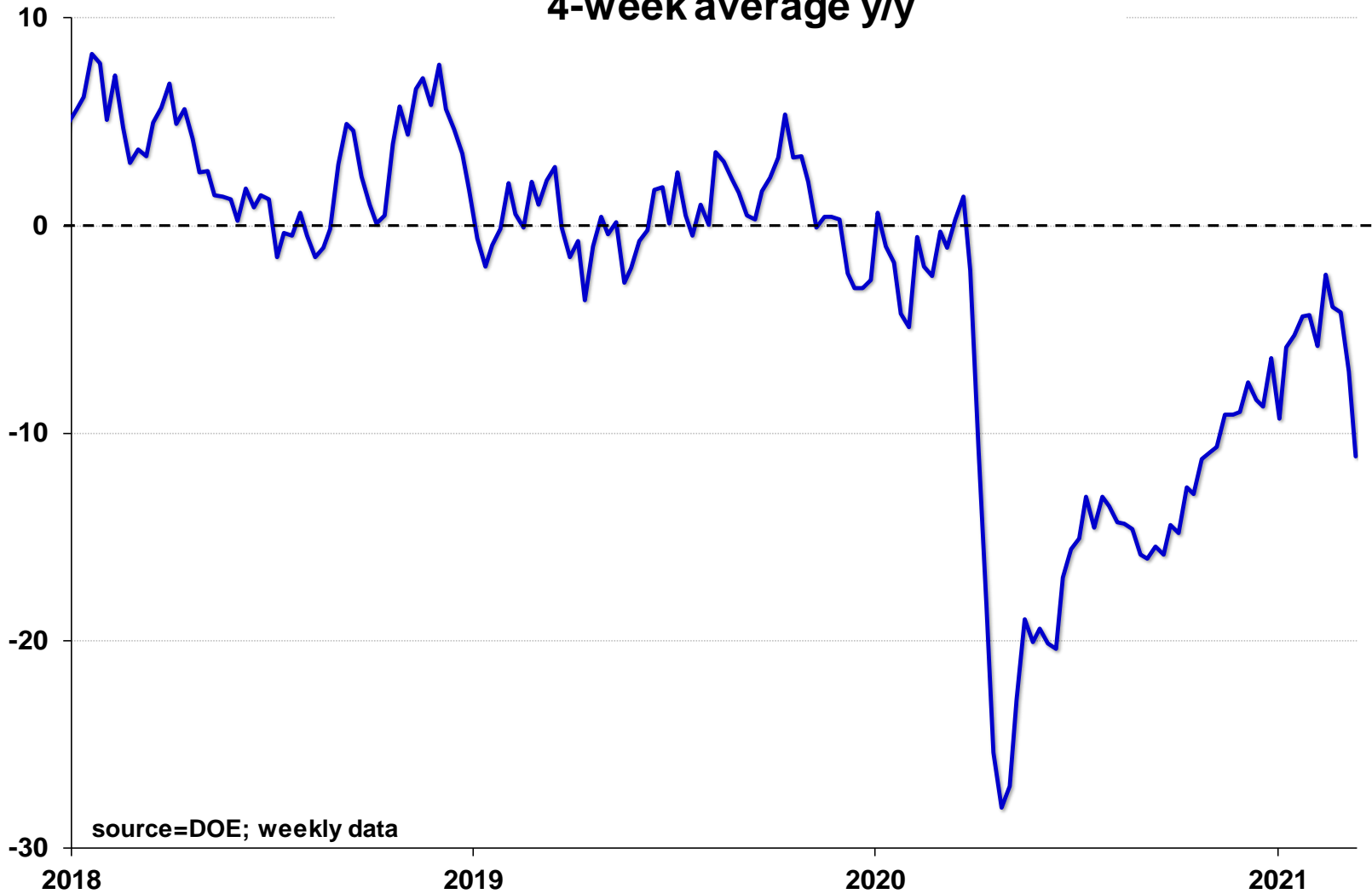


source=Baker Hughes; monthly data thru: 2/28/21

# DOE Total Petroleum Products Supplied (bpd 000s)

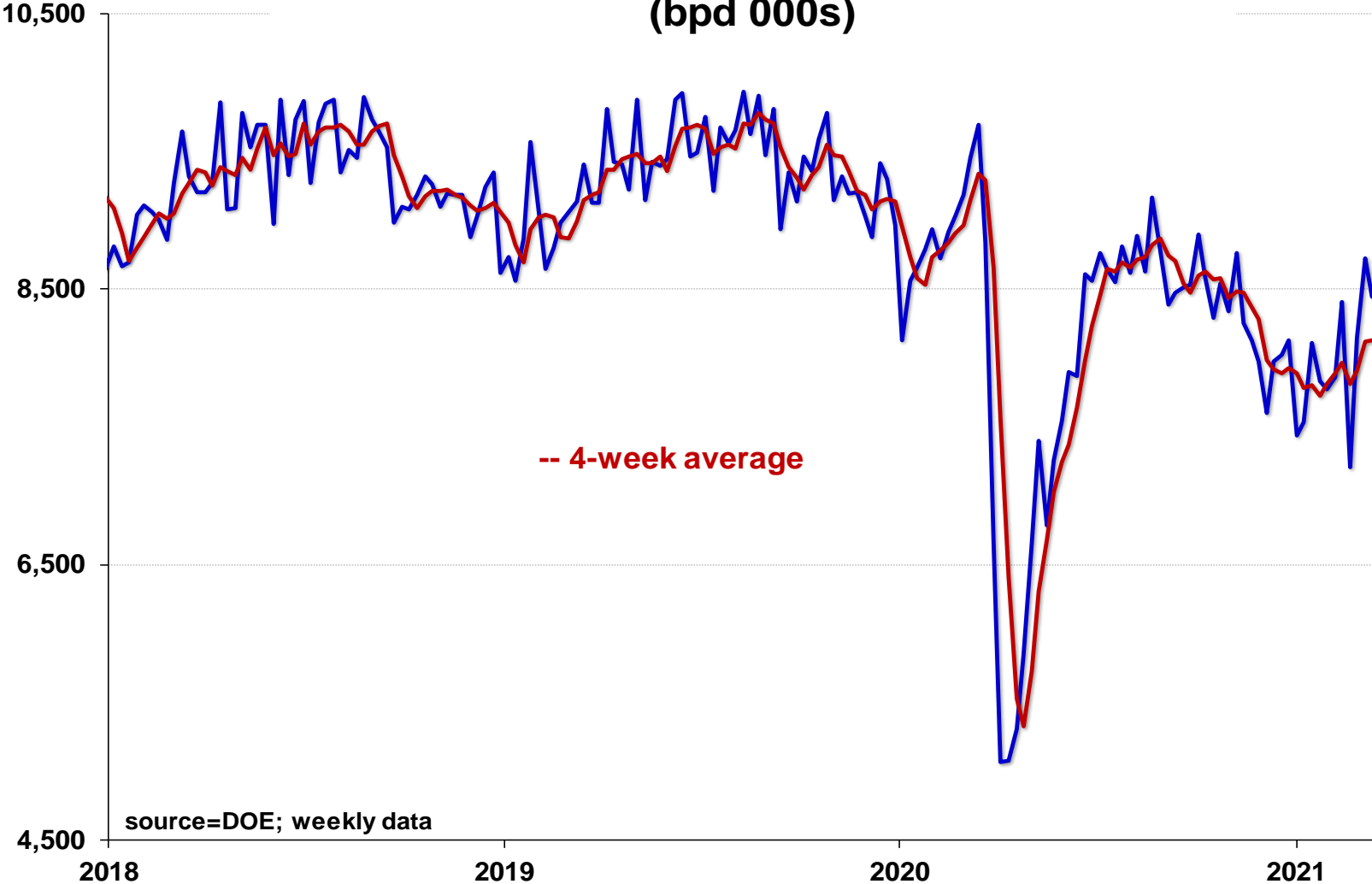


# DOE Total Petroleum Products Supplied 4-week average y/y

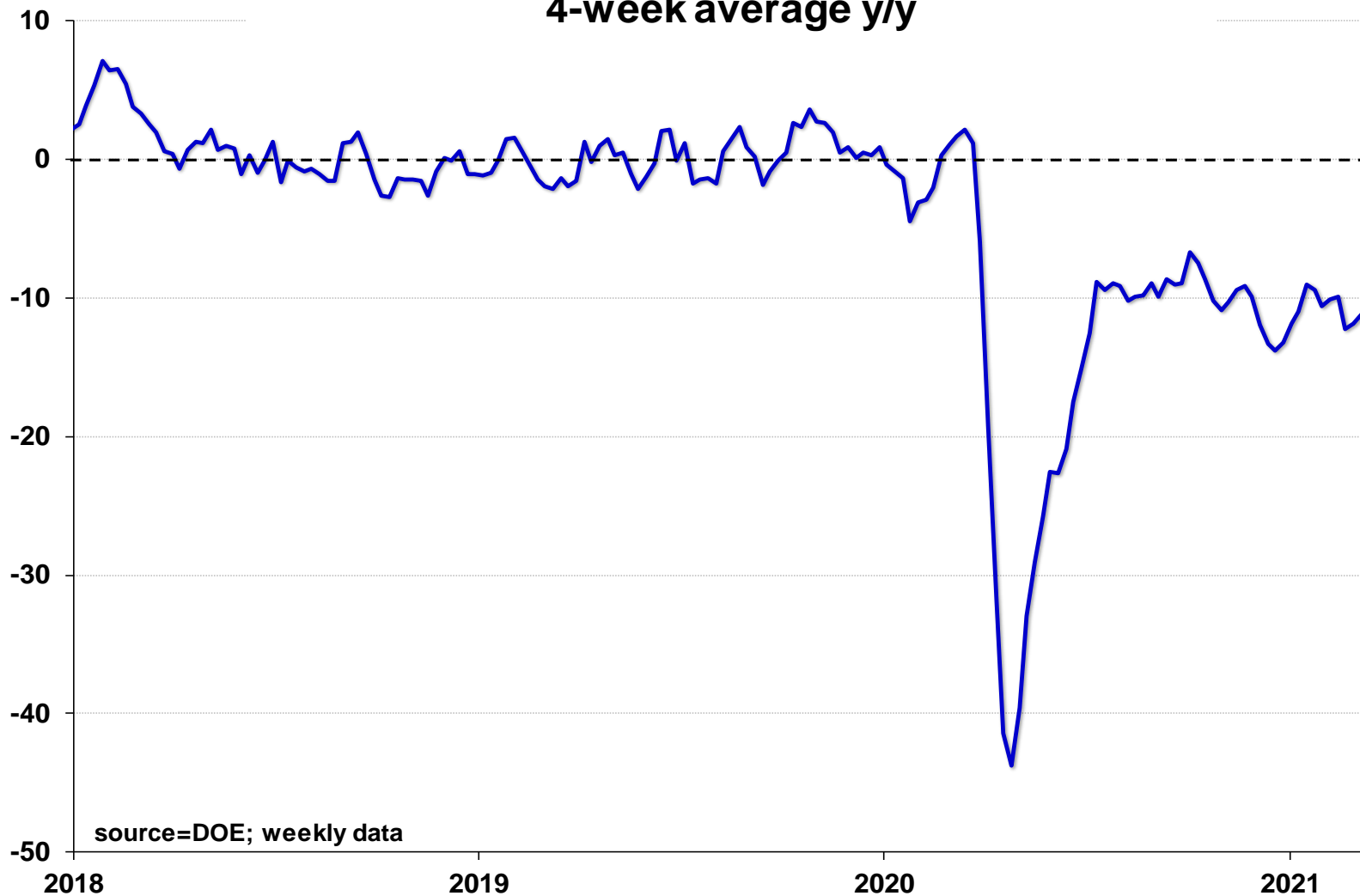


source=DOE; weekly data

# DOE Finished Motor Gasoline Products Supplied (bpd 000s)

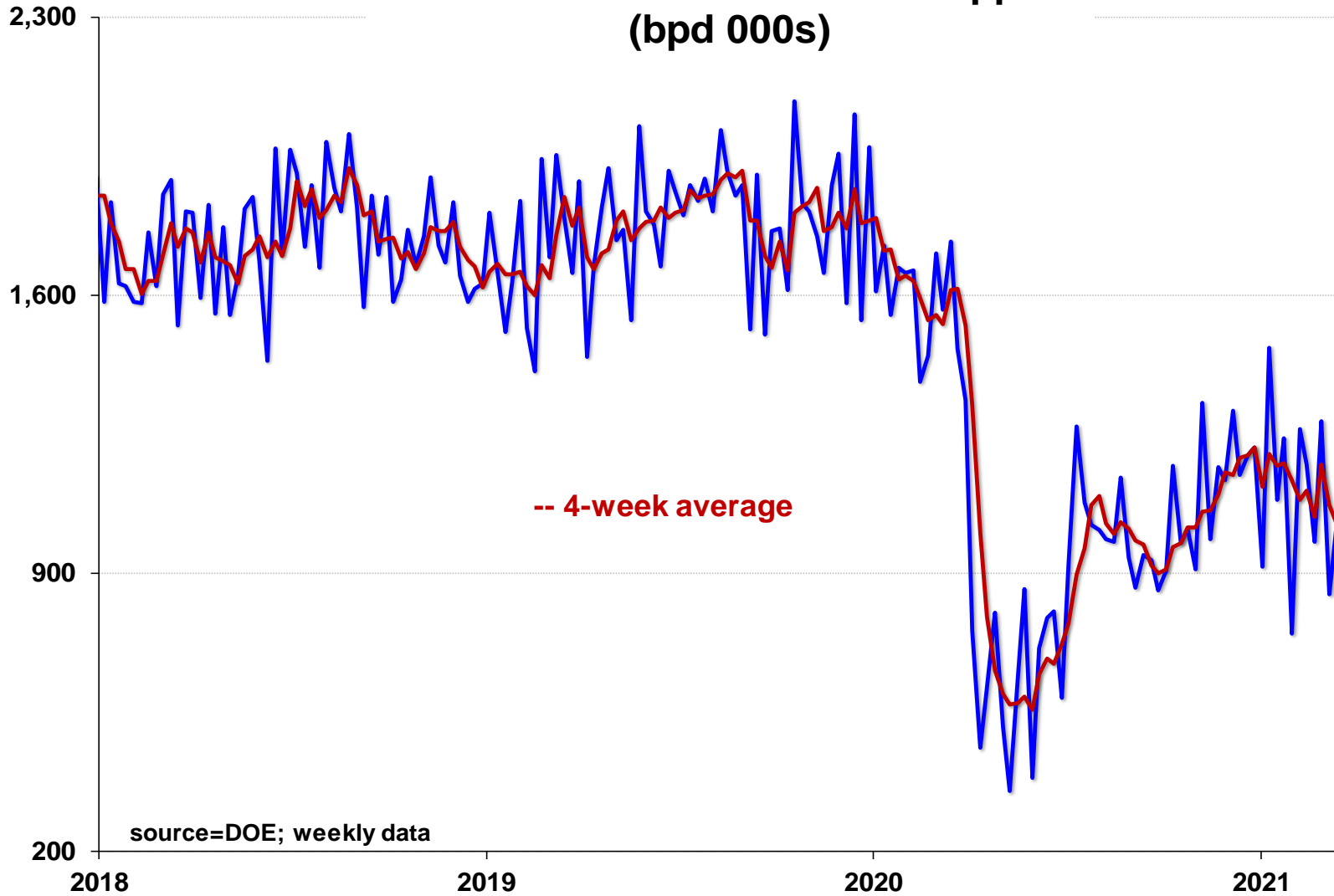


## DOE Finished Motor Gasoline Products Supplied 4-week average y/y



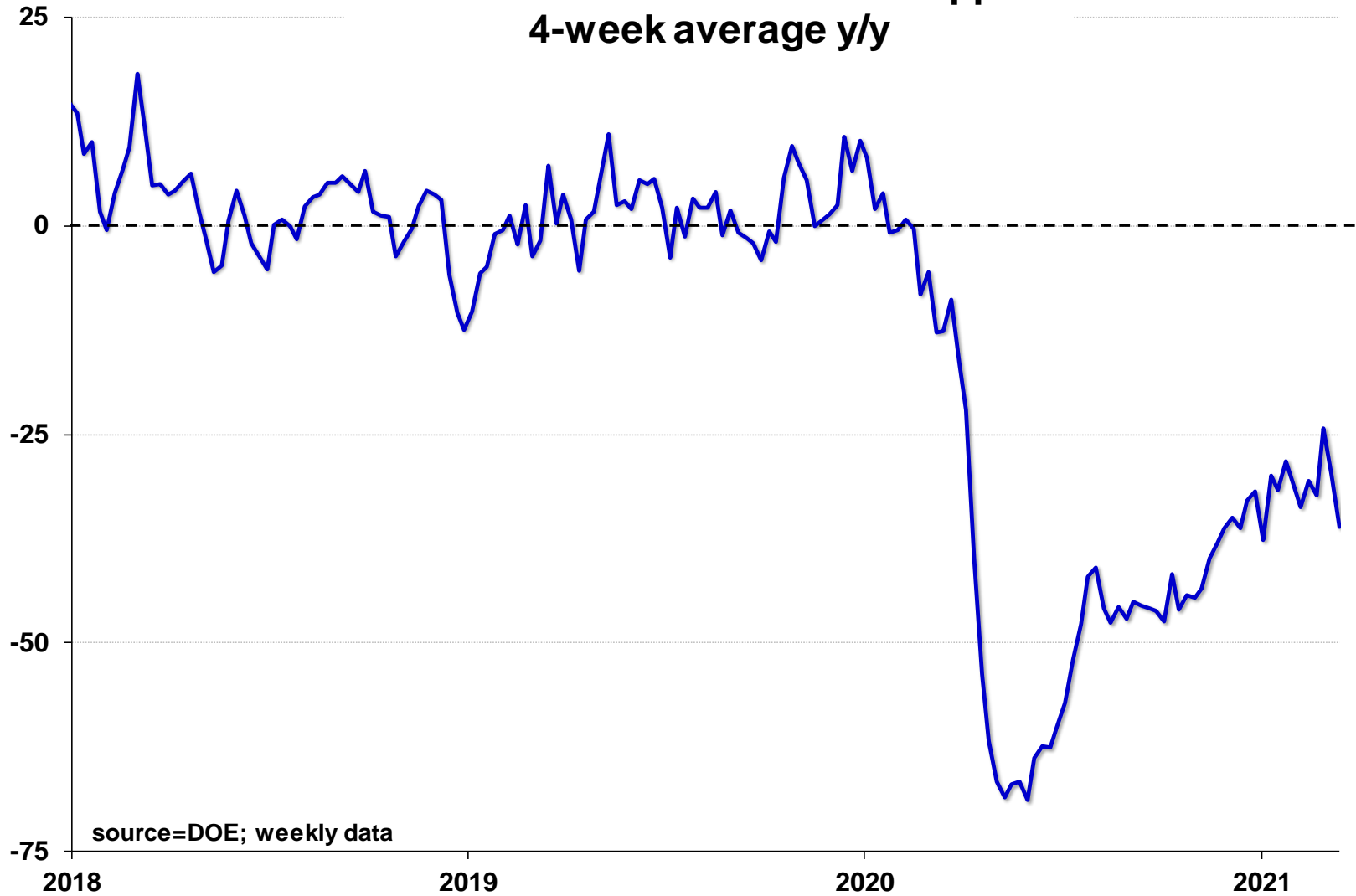
source=DOE; weekly data

# DOE Jet Kerosene Products Supplied (bpd 000s)



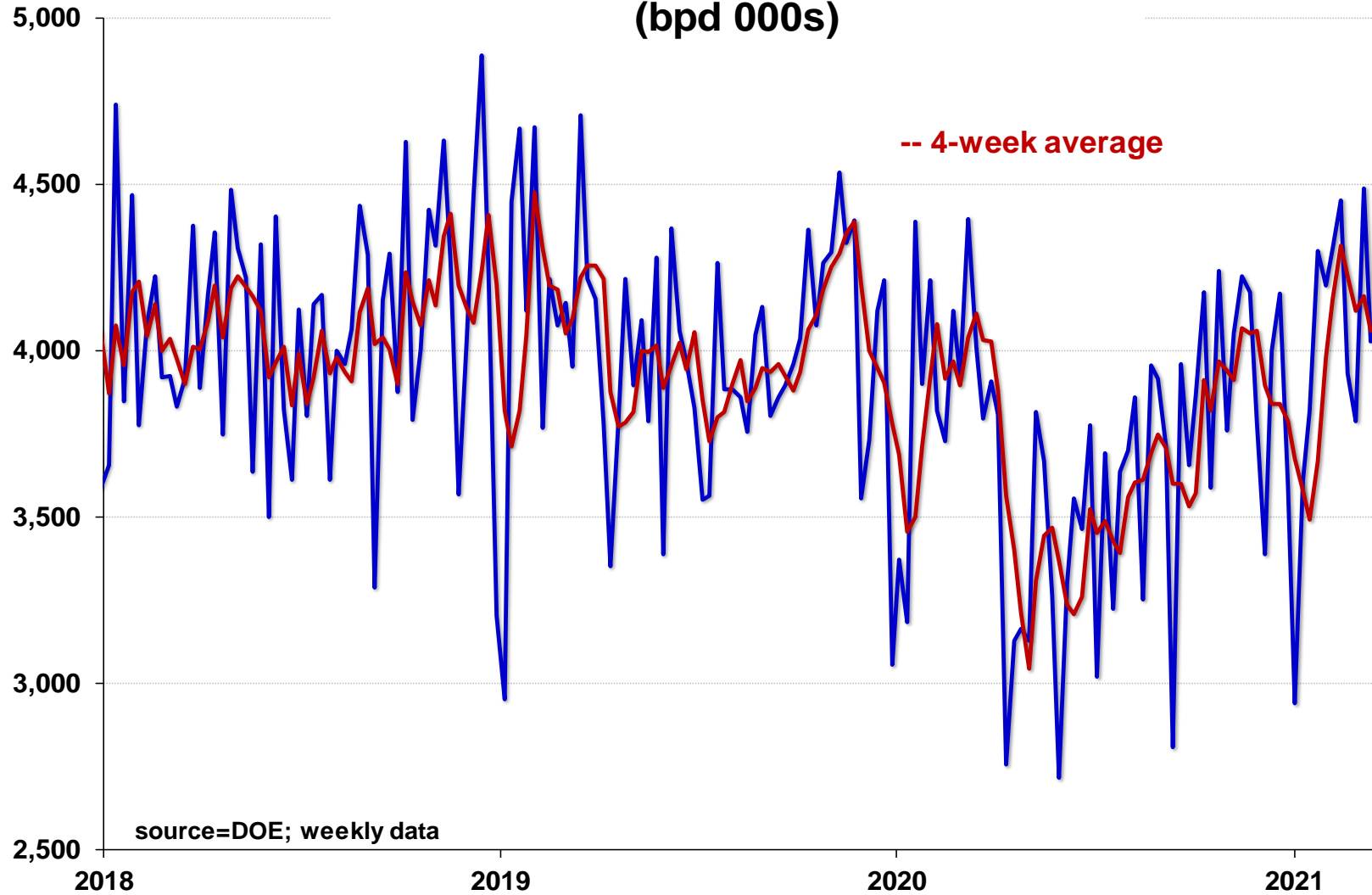


## DOE Jet Kerosene Products Supplied 4-week average y/y

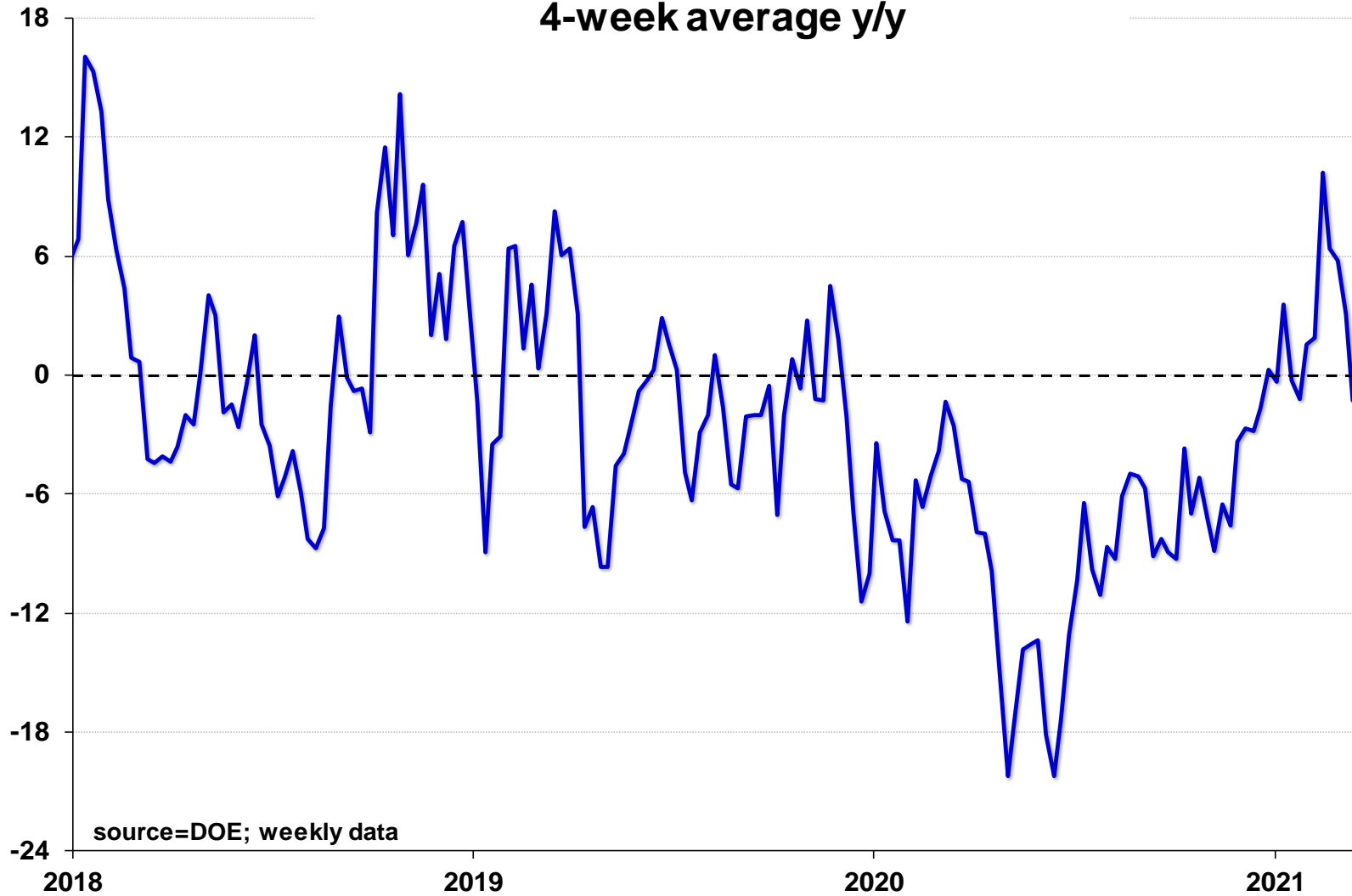


source=DOE; weekly data

# DOE Distillate Fuel Oil Products Supplied (bpd 000s)

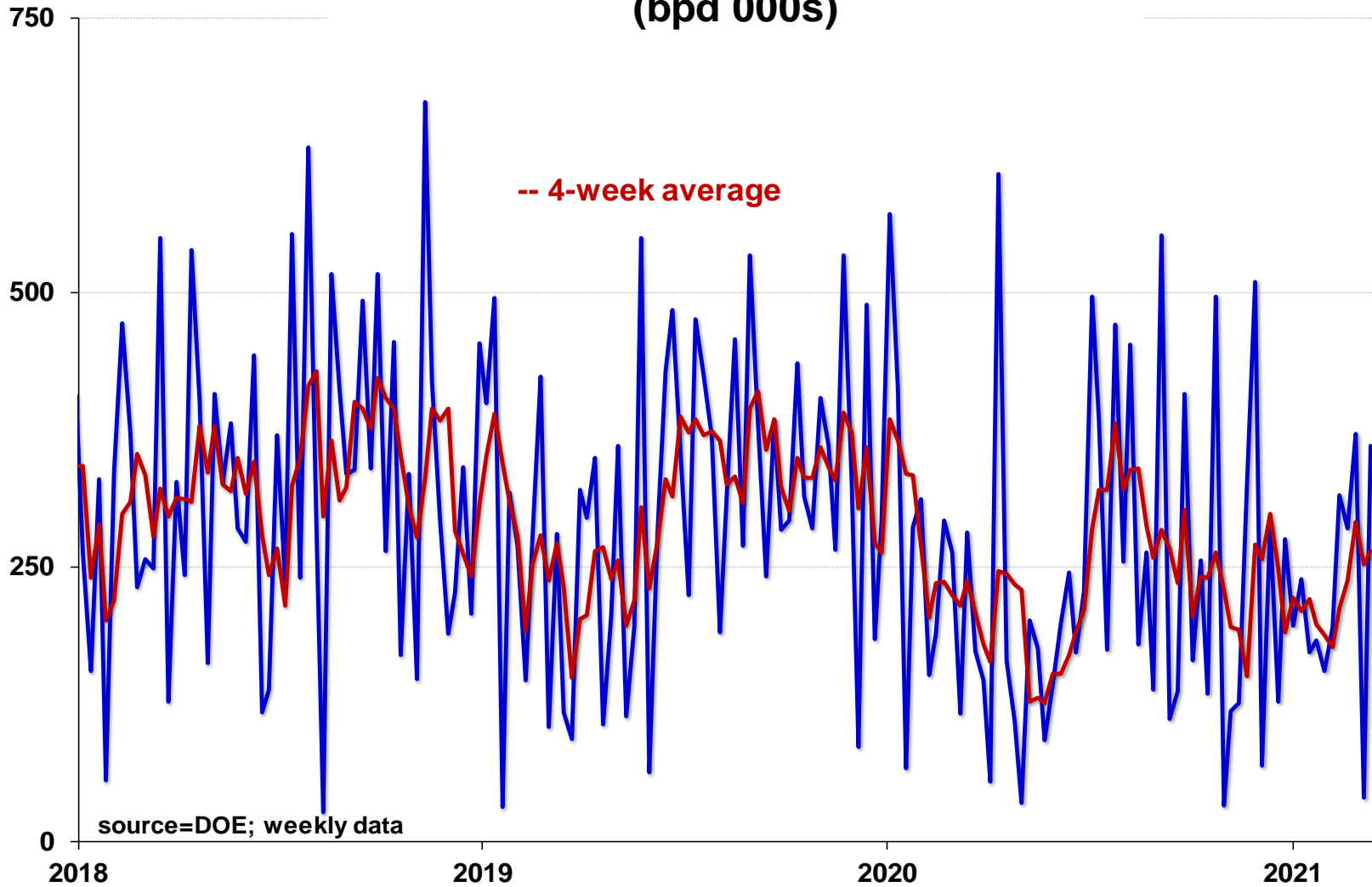


## DOE Distillate Fuel Oil Products Supplied 4-week average y/y

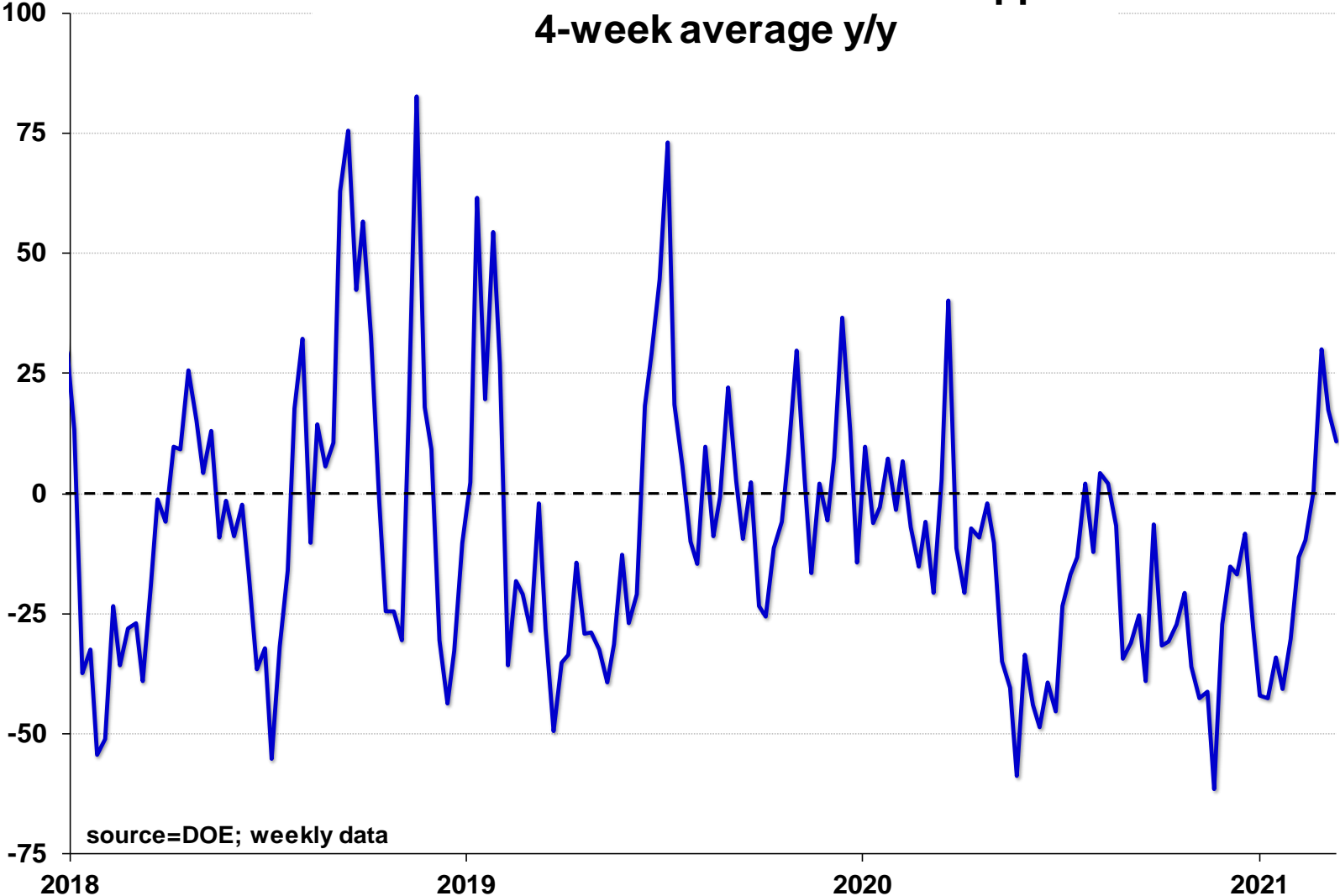


source=DOE; weekly data

# DOE Residual Fuel Oil Products Supplied (bpd 000s)

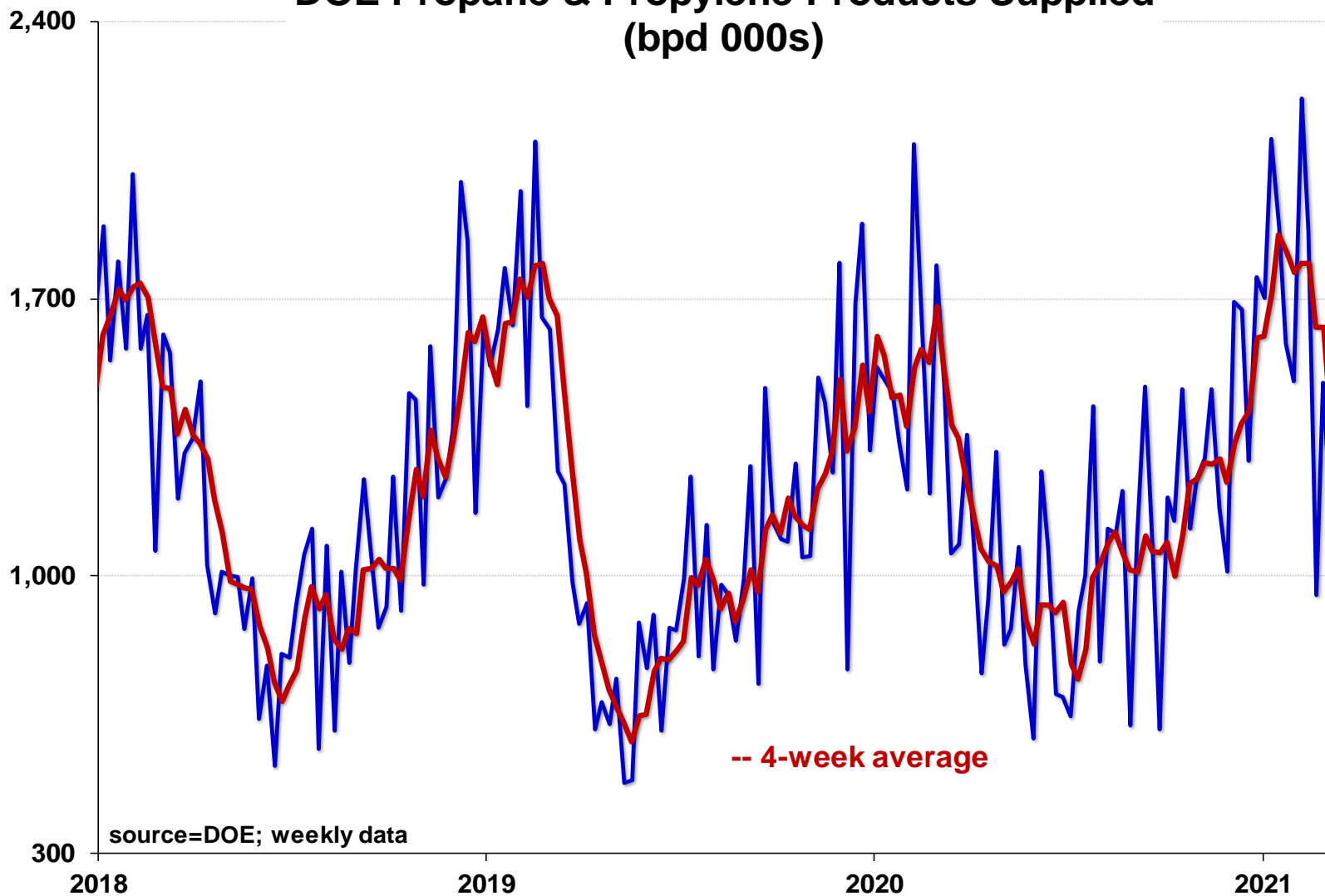


# DOE Residual Fuel Oil Products Supplied 4-week average y/y

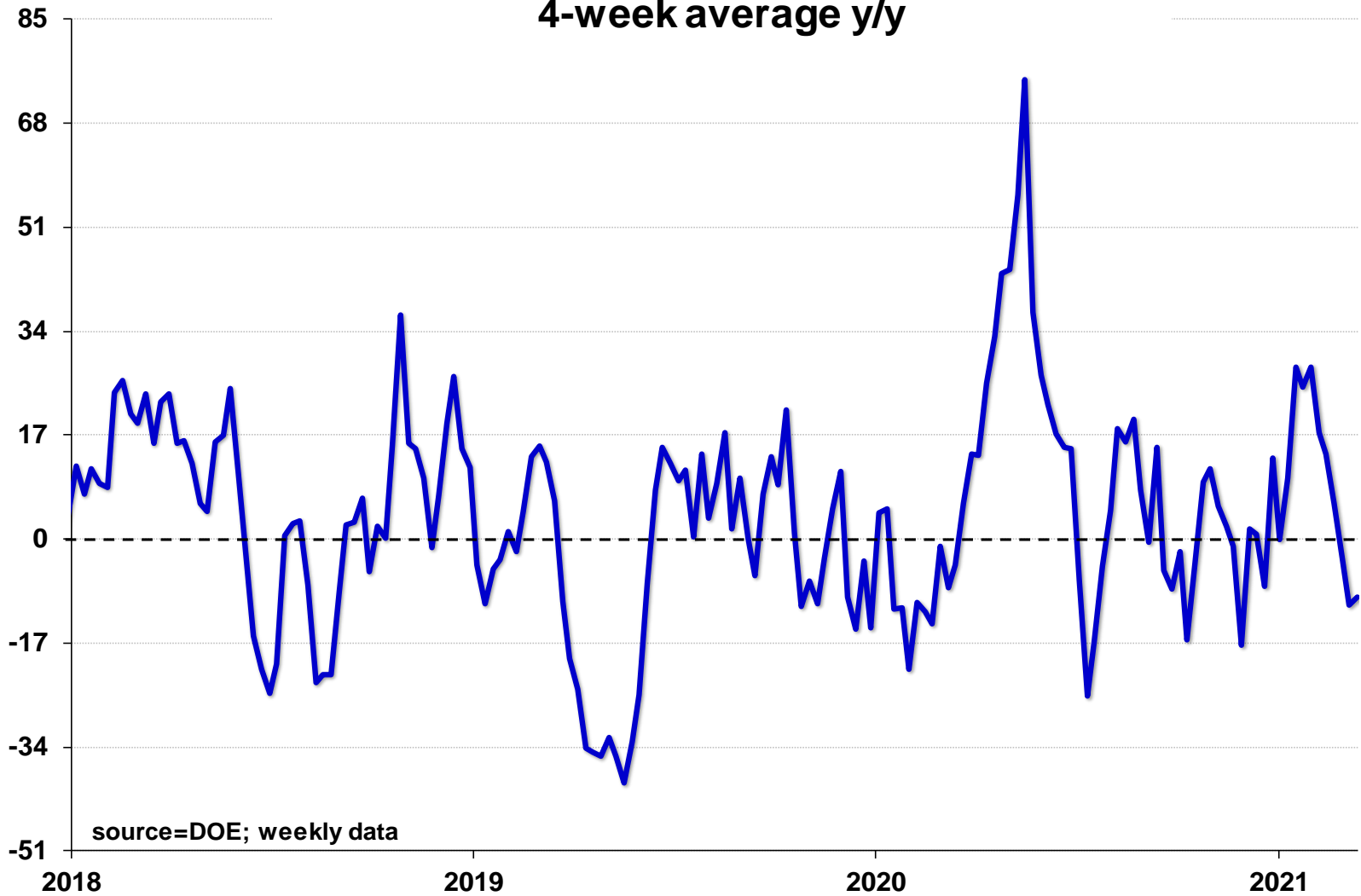


source=DOE; weekly data

# DOE Propane & Propylene Products Supplied (bpd 000s)

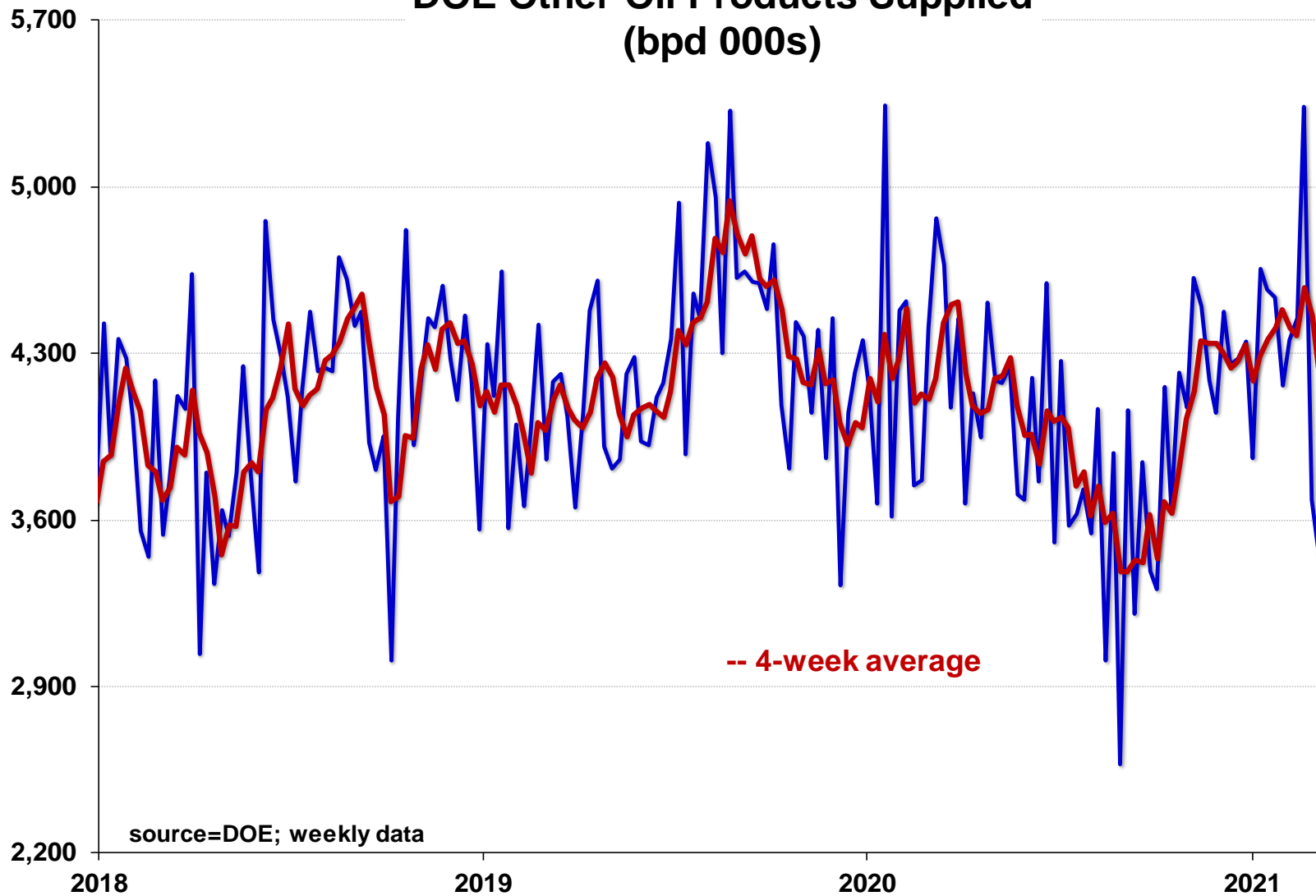


# DOE Propane & Propylene Products Supplied 4-week average y/y



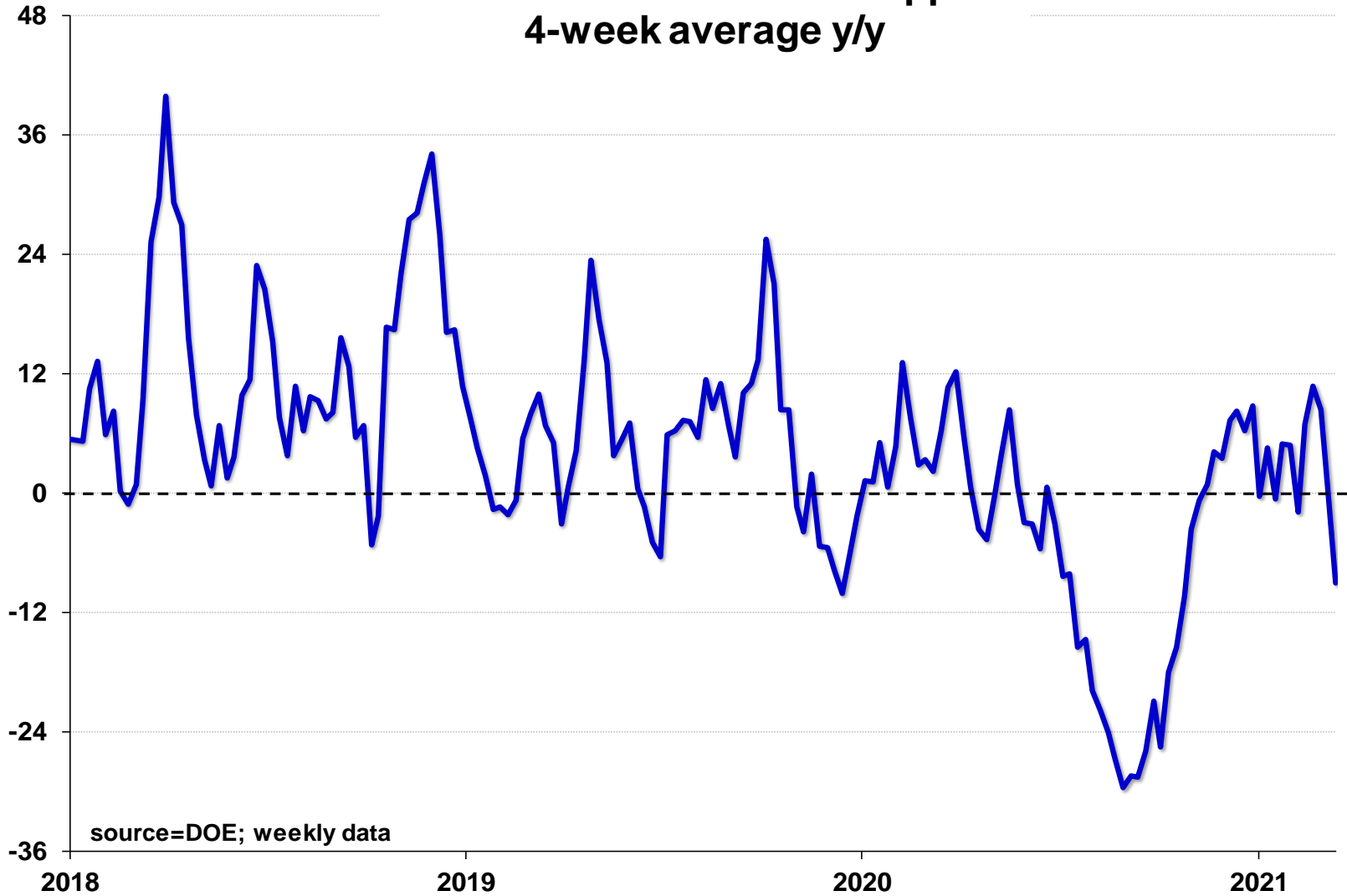
source=DOE; weekly data

# DOE Other Oil Products Supplied (bpd 000s)





# DOE Other Oil Products Supplied 4-week average y/y

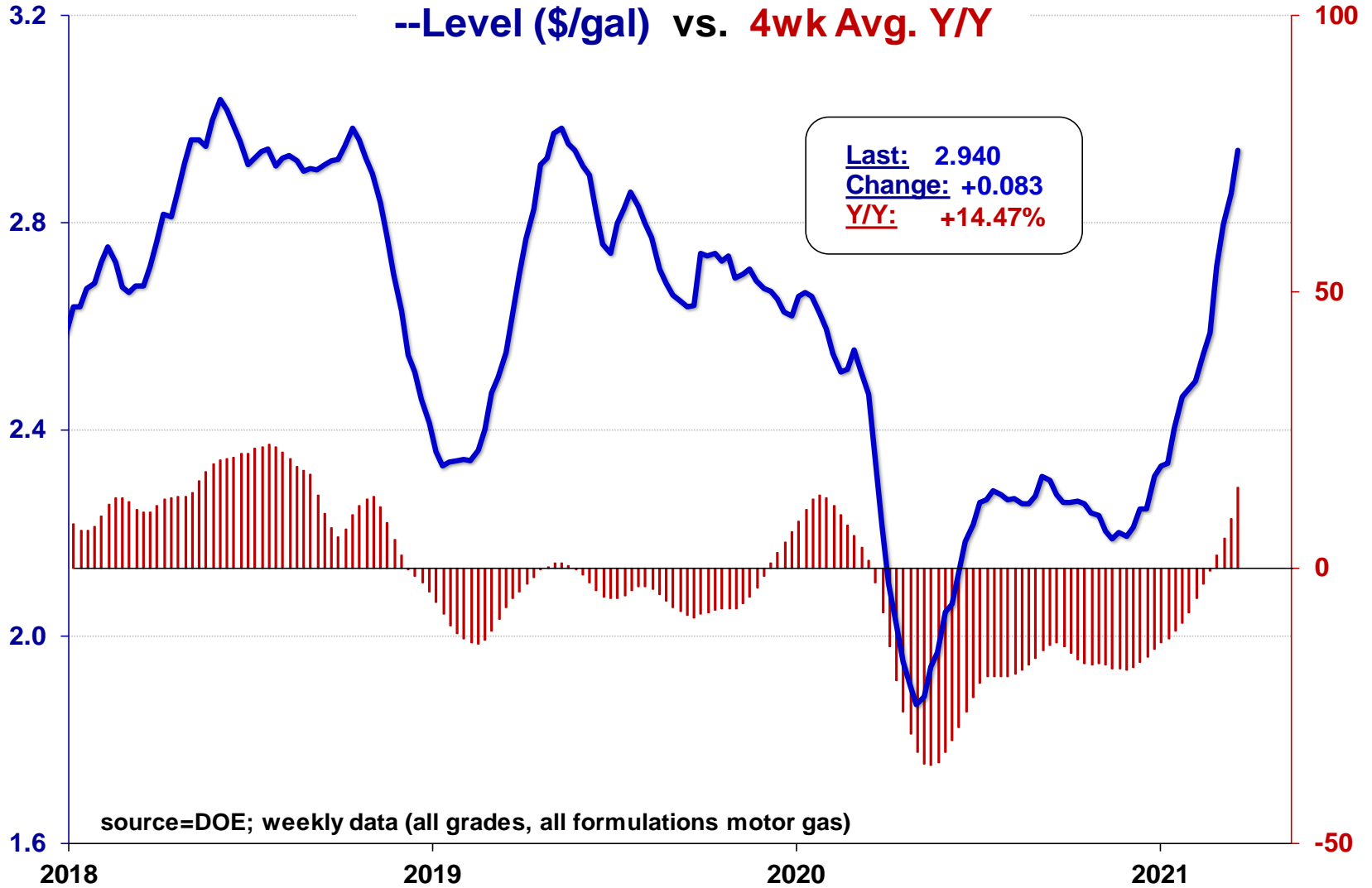


**DOE WEEKLY PETROLEUM REPORT**  
**US RETAIL MOTOR GASOLINE & ON-HIGHWAY DIESEL FUEL PRICES**

Data thru: 3/15/2021	Last (\$/gal)	1Wk Change	1Wk % Change	4Wk Change	4Wk % Change	4Wk Avg Y/Y%	4Wk Avg 5YR%	Record High/Low?
<b>All Grades, All Formulations</b>	2.940	+0.083	+2.91%	+0.352	+13.6%	+14.5%	+46.3%	NO
*Conventional	2.832	+0.083	+3.02%	+0.357	+14.4%	+15.9%	+46.0%	NO
*Reformulated	3.156	+0.084	+2.73%	+0.344	+12.2%	+12.2%	+46.7%	NO
<b>Regular, All Formulations</b>	2.853	+0.082	+2.96%	+0.352	+14.1%	+15.3%	+49.9%	NO
*East Coast Regular	2.787	+0.083	+3.07%	+0.317	+12.8%	+16.2%	+50.6%	NO
PADD 1A	2.761	+0.067	+2.49%	+0.287	+11.6%	+11.4%	+47.9%	NO
PADD 1B	2.899	+0.043	+1.51%	+0.271	+10.3%	+14.7%	+53.9%	NO
PADD 1C	2.723	+0.113	+4.33%	+0.354	+14.9%	+18.7%	+49.8%	NO
*Midwest Regular	2.764	+0.058	+2.14%	+0.365	+15.2%	+19.8%	+51.2%	NO
*Gulf Coast Regular	2.605	+0.110	+4.41%	+0.389	+17.6%	+18.9%	+53.1%	NO
*Rocky Mountain Regular	2.839	+0.131	+4.84%	+0.449	+18.8%	+10.4%	+50.2%	NO
*West Coast Regular	3.432	+0.088	+2.63%	+0.389	+12.8%	+6.4%	+46.9%	NO
<b>Midgrade, All Formulations</b>	3.241	+0.091	+2.89%	+0.351	+12.1%	+11.5%	+50.5%	NO
<b>Premium, All Formulations</b>	3.495	+0.085	+2.49%	+0.354	+11.3%	+10.7%	+47.6%	NO
<b>No. 2 Diesel</b>	3.191	+0.048	+1.53%	+0.315	+11.0%	+9.7%	+53.0%	NO
*East Coast No. 2 Diesel	3.148	+0.032	+1.03%	+0.250	+8.6%	+7.6%	+48.0%	NO
PADD 1A	3.082	+0.029	+0.95%	+0.194	+6.7%	+1.0%	+39.8%	NO
PADD 1B	3.292	+0.026	+0.80%	+0.240	+7.9%	+5.4%	+46.6%	NO
PADD 1C	3.064	+0.037	+1.22%	+0.266	+9.5%	+10.7%	+51.5%	NO
*Midwest No. 2 Diesel	3.169	+0.042	+1.34%	+0.317	+11.1%	+14.1%	+55.4%	NO
*Gulf Coast No. 2 Diesel	2.988	+0.059	+2.01%	+0.361	+13.7%	+10.8%	+50.1%	NO
*Rocky Mountain No. 2 Diesel	3.276	+0.145	+4.63%	+0.489	+17.5%	+9.1%	+59.7%	NO
*West Coast No. 2 Diesel	3.641	+0.048	+1.34%	+0.313	+9.4%	+4.4%	+60.1%	NO
*California No. 2 Diesel	3.951	+0.054	+1.39%	+0.316	+8.7%	+4.0%	+66.0%	NO

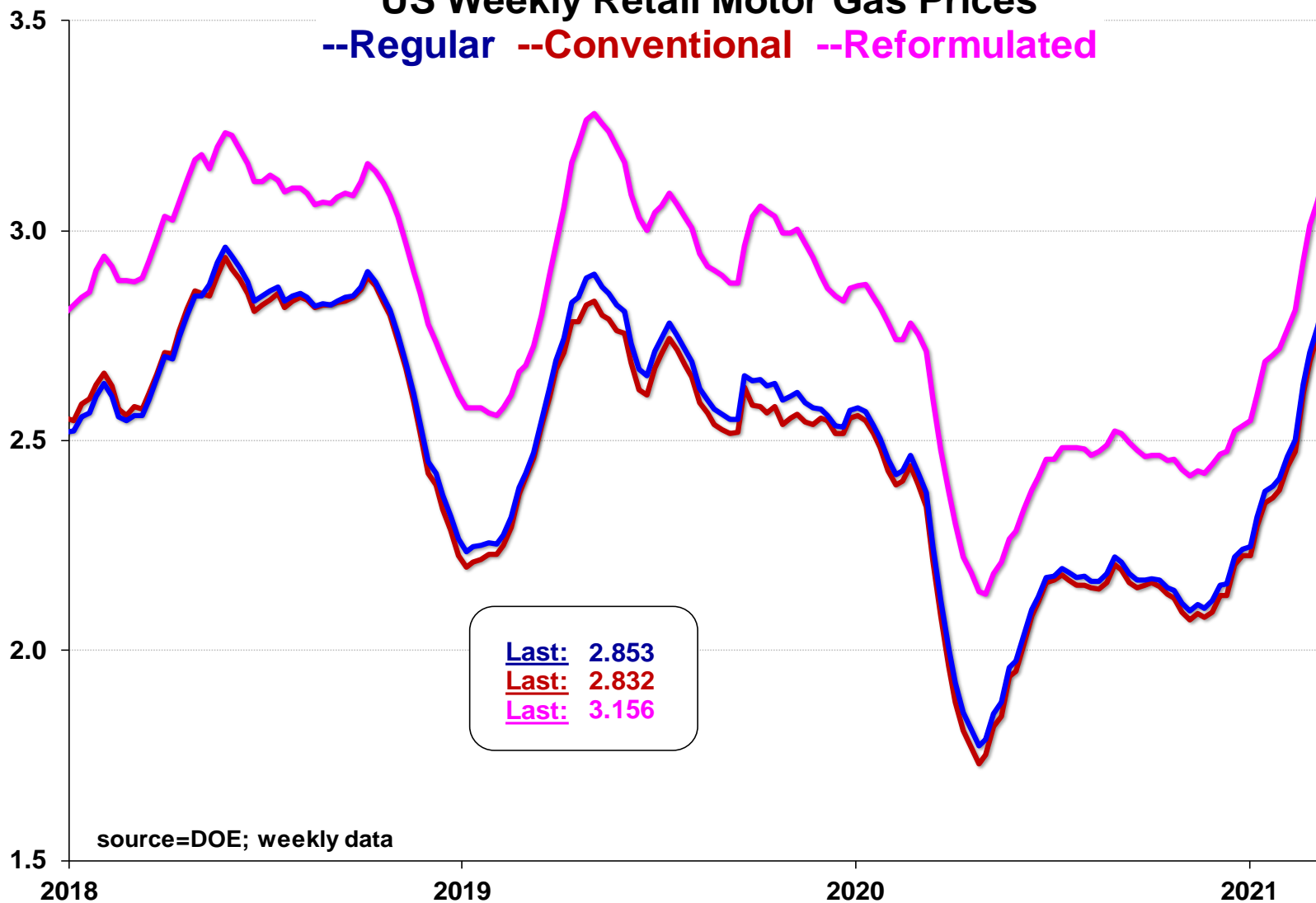
# US Weekly Retail Motor Gas Prices

--Level (\$/gal) vs. 4wk Avg. Y/Y



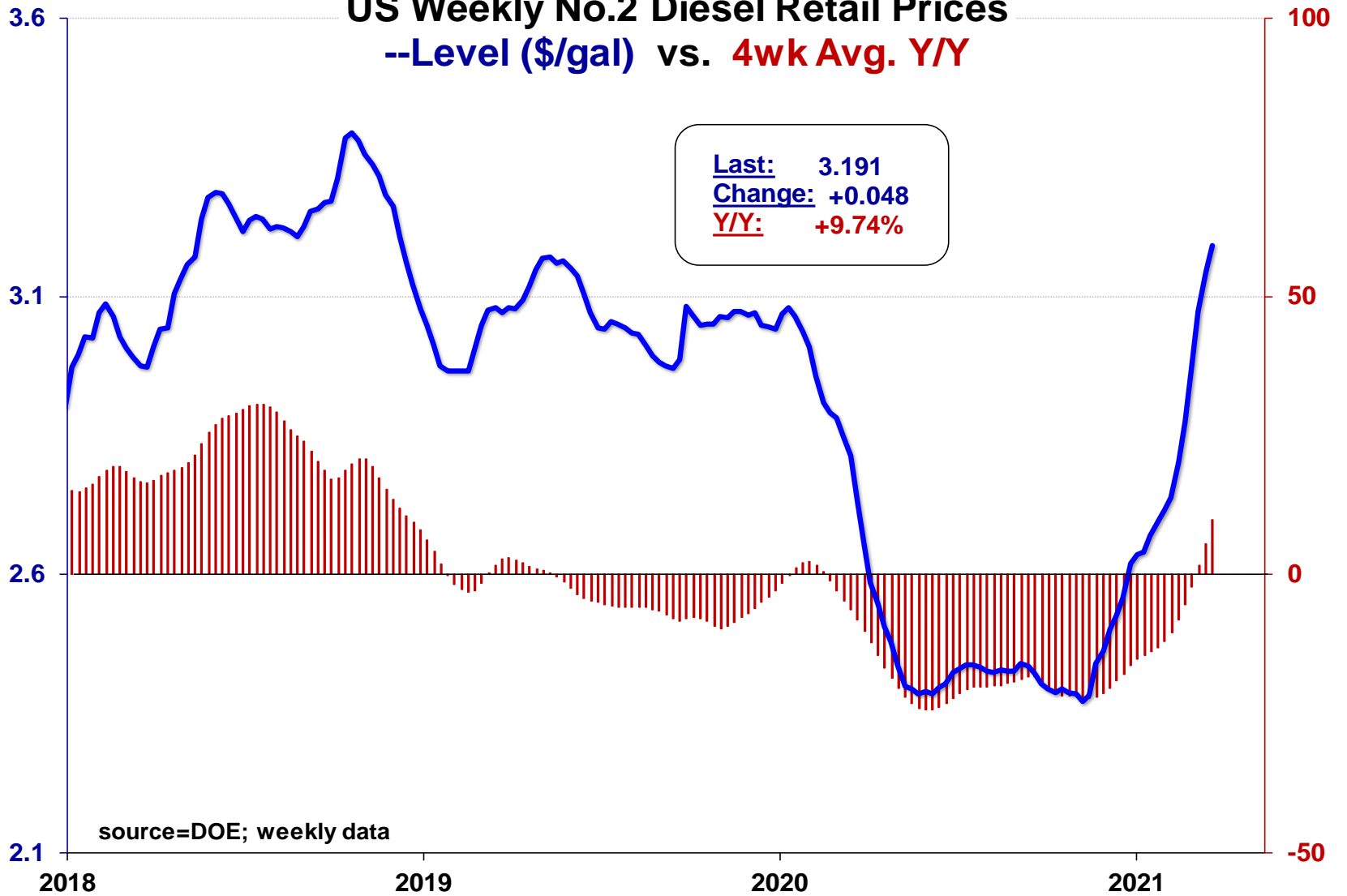
# US Weekly Retail Motor Gas Prices

--Regular --Conventional --Reformulated



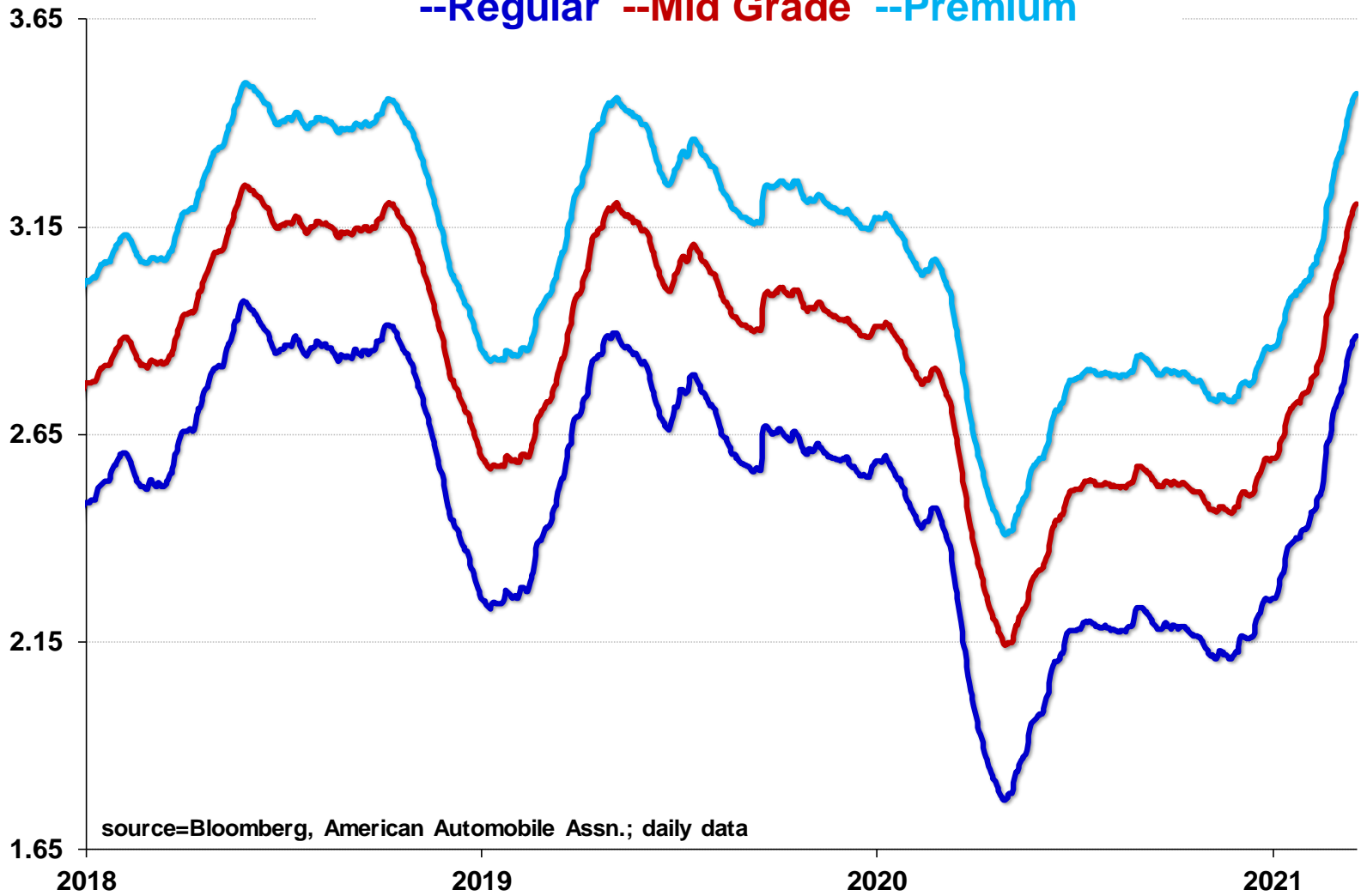
# US Weekly No.2 Diesel Retail Prices

--Level (\$/gal) vs. 4wk Avg. Y/Y



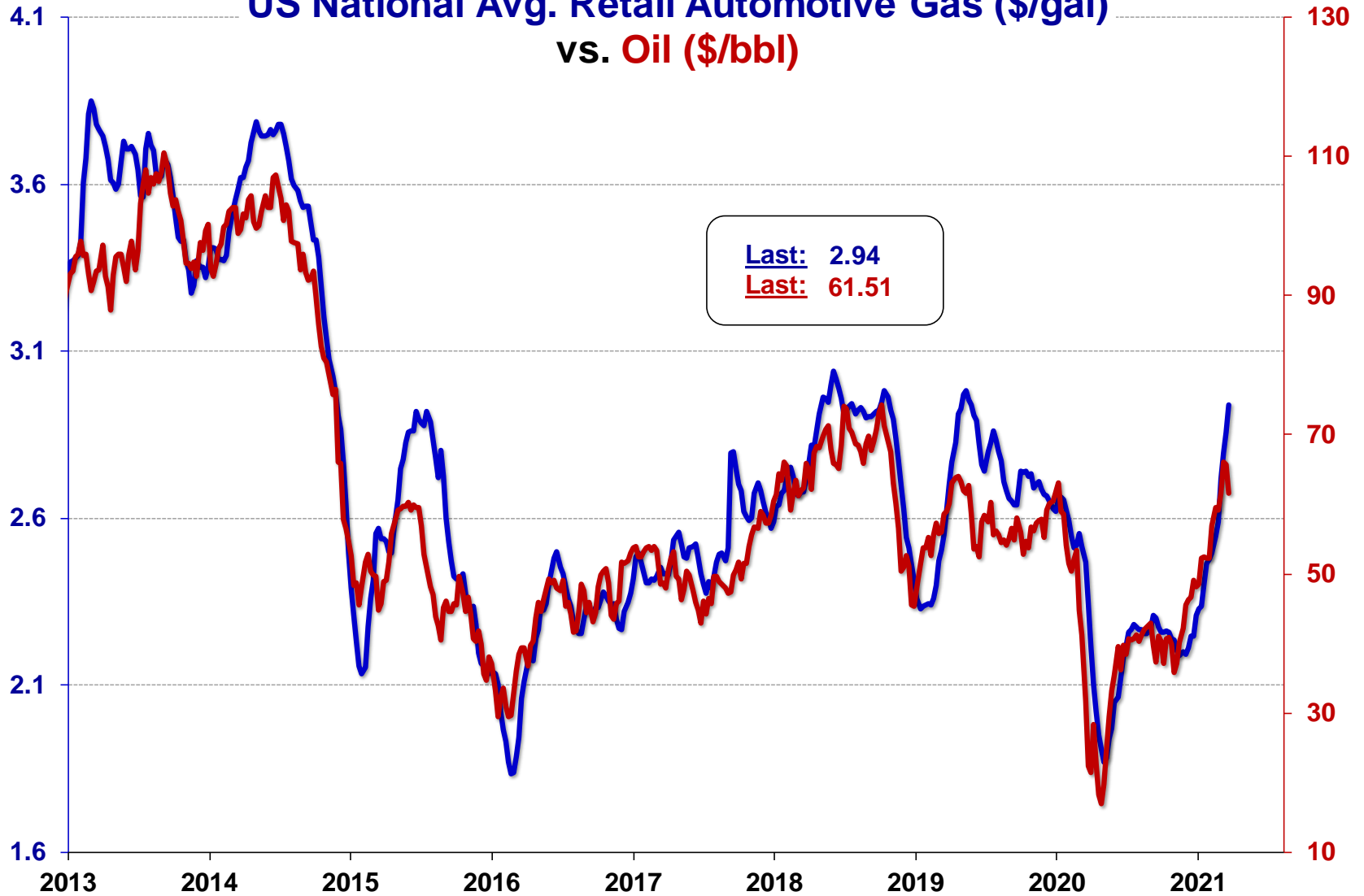
# Weekly US Gasoline Price National Average

--Regular --Mid Grade --Premium



source=Bloomberg, American Automobile Assn.; daily data

# US National Avg. Retail Automotive Gas (\$/gal) vs. Oil (\$/bbl)



## DOE WEEKLY PETROLEUM REPORT

## IMPORTS &amp; EXPORTS

Data thru:

3/12/2021

	Last (bpd 000s)	1Wk Change	1Wk % Change	4Wk Change	4Wk % Change	4Wk Avg Y/Y%	4Wk Avg 5YR%	Record High/Low?
<b>Imports</b>								
Total	8,215	+744	+10.0%	+284	+3.6%	-9.2%	-22.6%	NO
Crude Oil	5,323	-332	-5.9%	-575	-9.7%	-13.9%	-31.3%	NO
Commercial	5,323	-332	-5.9%	-575	-9.7%	-13.9%	-31.3%	NO
Imports by SPR	0	00	n/a	0	n/a	n/a	n/a	n/a
Imports into SPR by Others	0	00	n/a	0	n/a	n/a	n/a	n/a
Total Products	2,892	+1,076	+59.3%	+859	+42.3%	+5.0%	+12.8%	NO
Motor Gasoline	910	+333	+57.7%	+240	+35.8%	+13.4%	+14.0%	NO
Finished Motor Gas	207	+97	+88.2%	+193	+1378.6%	-0.7%	+71.8%	NO
Reformulated	0	00	n/a	0	n/a	n/a	n/a	n/a
Conventional	207	+97	+88.2%	+193	+1378.6%	-0.7%	+71.8%	NO
Other Conventional	207	+97	+88.2%	+193	+1378.6%	-0.7%	+71.8%	NO
Gas Blending Components	703	+236	+50.5%	+47	+7.2%	+16.4%	+7.0%	NO
RBOB	167	+08	+5.0%	-179	-51.7%	-9.0%	+7.8%	NO
CBOB	16	+07	+77.8%	-5	-23.8%	-5.4%	-48.9%	NO
GTAB	184	+120	+187.5%	+98	+114.0%	+493.2%	+76.8%	NO
All Other	336	+102	+43.6%	+133	+65.5%	+9.3%	+0.8%	NO
Fuel Ethanol	0	00	n/a	0	n/a	n/a	n/a	n/a
Kerosene-Type Jet Fuel	32	-32	-50.0%	-11	-25.6%	-25.9%	-42.9%	NO
Distillate Fuel Oil	524	+52	+11.0%	+162	+44.8%	+85.6%	+72.5%	NO
Residual Fuel Oil	234	+129	+122.9%	+105	+81.4%	-13.4%	+5.4%	NO
Propane & Propylene	190	+33	+21.0%	+29	+18.0%	+36.2%	+29.8%	NO
Other Oils	1,002	+562	+127.7%	+335	+50.2%	-15.5%	+4.4%	NO



**DOE WEEKLY PETROLEUM REPORT  
IMPORTS & EXPORTS**

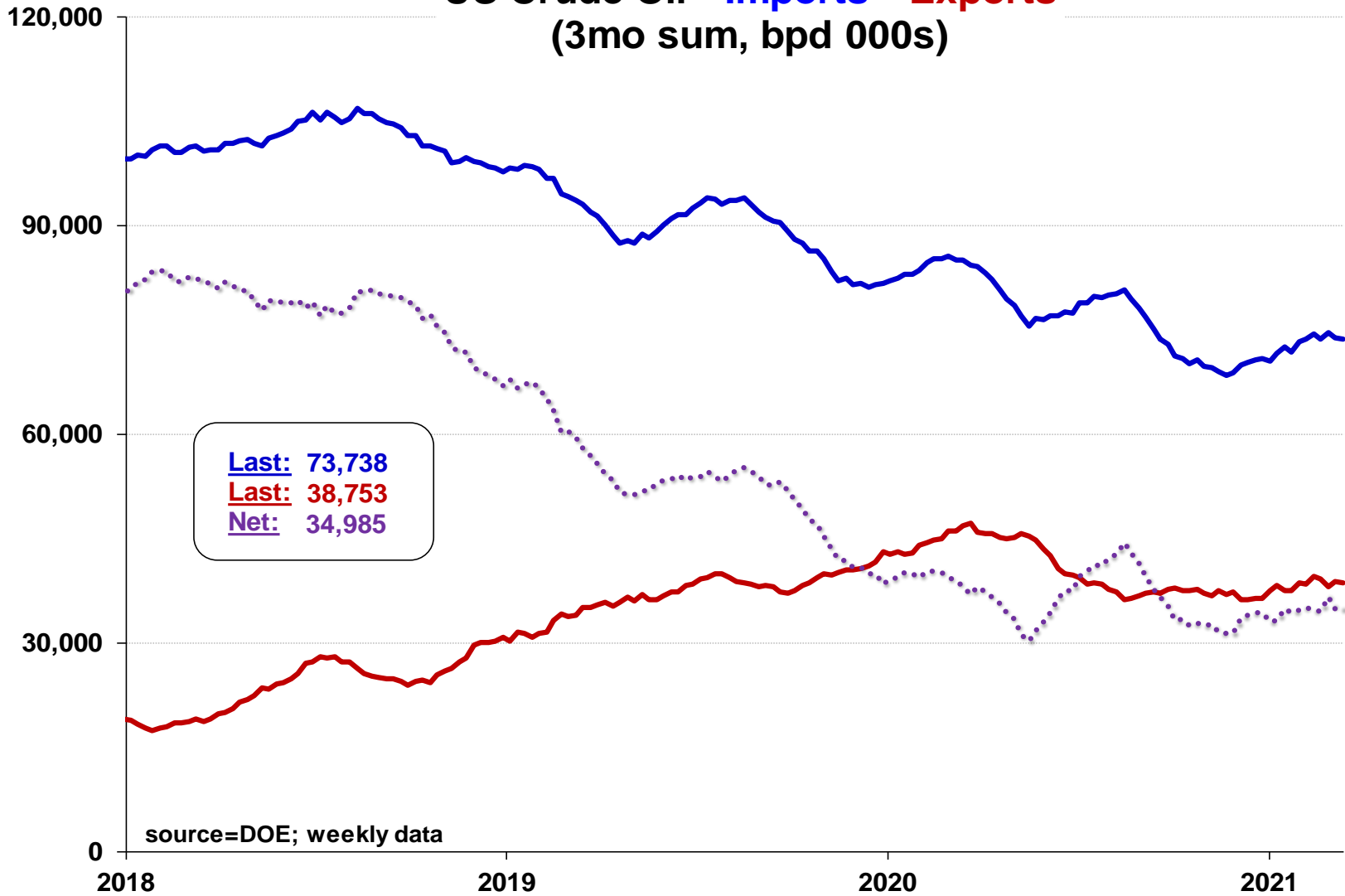
Data thru:  
3/12/2021

	Last (bpd 000s)	1Wk Change	1Wk % Change	4Wk Change	4Wk % Change	4Wk Avg Y/Y%	4Wk Avg 5YR%	Record High/Low?
<b>Exports</b>								
Total Crude Oil & Products	6,847	-23	-0.3%	-1717	-20.0%	-29.1%	+43.5%	NO
Crude Oil	2,520	-113	-4.3%	-1342	-34.7%	-37.1%	+529.4%	NO
Petroleum Products	4,327	+90	+2.1%	-375	-8.0%	-23.6%	-0.8%	NO
Finished Motor Gasoline	580	-97	-14.3%	+4	+0.7%	-24.5%	+37.1%	NO
Kerosene-Type Jet Fuel	87	+49	+128.9%	-36	-29.3%	-75.8%	-60.8%	NO
Distillate Fuel Oil	688	+213	+44.8%	-283	-29.1%	-51.4%	-48.4%	NO
Residual Fuel Oil	45	-230	-83.6%	-38	-45.8%	+12.7%	-60.2%	NO
Propane & Propylene	1,025	-98	-8.7%	-25	-2.4%	-5.3%	+62.7%	NO
Other Oils	1,902	+253	+15.3%	+3	+0.2%	-9.4%	+25.1%	NO
<b>Net Imports</b>								
Total	1,368	+767	+127.6%	+2001	-316.1%	-196.0%	-81.5%	NO
Crude Oil	2,803	-219	-7.2%	+767	+37.7%	+22.9%	-60.2%	NO
Petroleum Products	-1,435	+986	-40.7%	+1234	-46.2%	-40.9%	-12.1%	NO

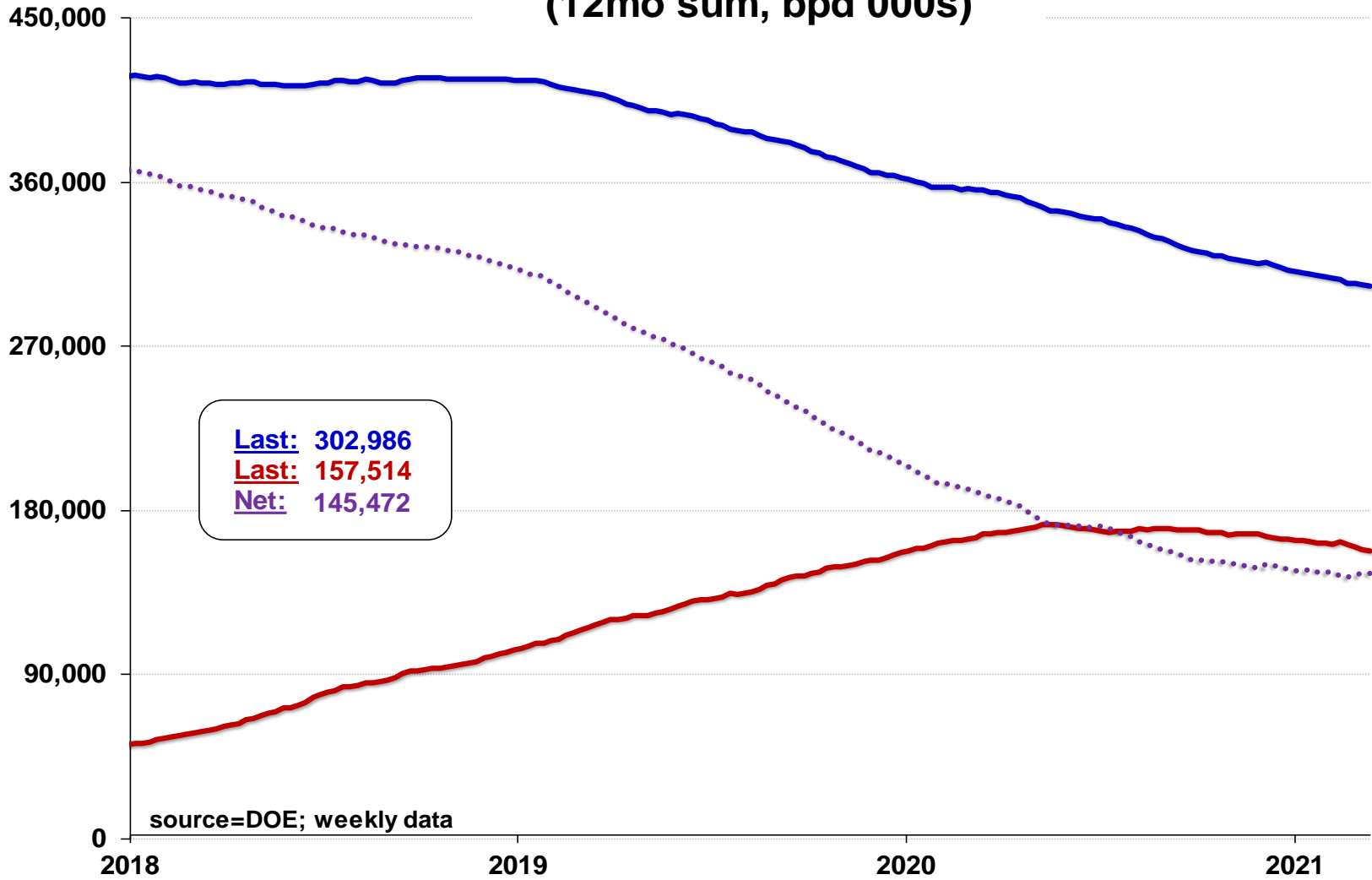
DOE WEEKLY PETROLEUM REPORT  
US CRUDE OIL IMPORTS BY COUNTRY OF ORIGIN

Data thru: 3/12/2021	Last (bpd 000s)	1Wk Change	1Wk % Change	4Wk Change	4Wk % Change	4Wk Sum Y/Y%	4Wk Sum 5YR%	Record High/Low?
Canada	3,448	-187	-5.1%	-233	-6.3%	-7.6%	+7.5%	NO
Mexico	278	-84	-23.2%	-193	-41.0%	-36.5%	-24.9%	NO
Saudi Arabia	308	+57	+22.7%	+71	+30.0%	-34.7%	-77.3%	NO
Iraq	165	+24	+17.0%	-62	-27.3%	-69.6%	-65.7%	NO
Colombia	0	-286	n/a	-346	n/a	-50.6%	-54.3%	LOW
Ecuador	127	+68	+115.3%	-59	-31.7%	-47.7%	-67.7%	NO
Nigeria	44	+44	n/a	-26	-37.1%	+83.0%	-83.0%	NO
Russia	0	00	n/a	00	n/a	n/a	n/a	LOW
Brazil	0	00	n/a	00	n/a	n/a	n/a	LOW
Venezuela	0	00	n/a	00	n/a	n/a	n/a	LOW
United Kingdom	0	00	n/a	00	n/a	n/a	n/a	LOW
Norway	0	00	n/a	00	n/a	n/a	n/a	LOW
Congo	0	00	n/a	00	n/a	n/a	n/a	LOW
Algeria	0	00	n/a	00	n/a	n/a	n/a	LOW
Equatorial Guinea	0	00	n/a	00	n/a	n/a	n/a	LOW
Kuwait	0	00	n/a	00	n/a	n/a	n/a	LOW

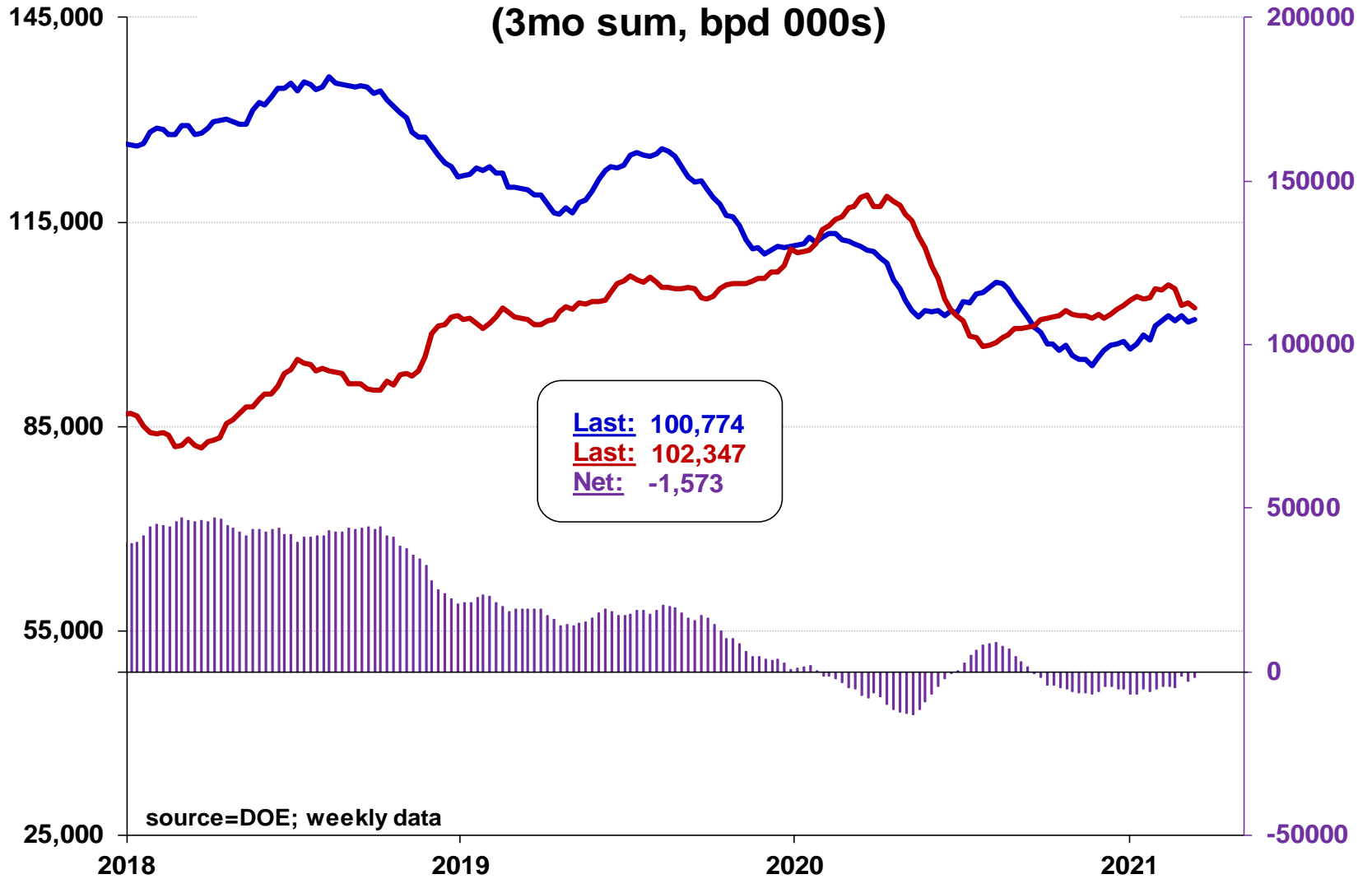
# US Crude Oil --Imports --Exports (3mo sum, bpd 000s)



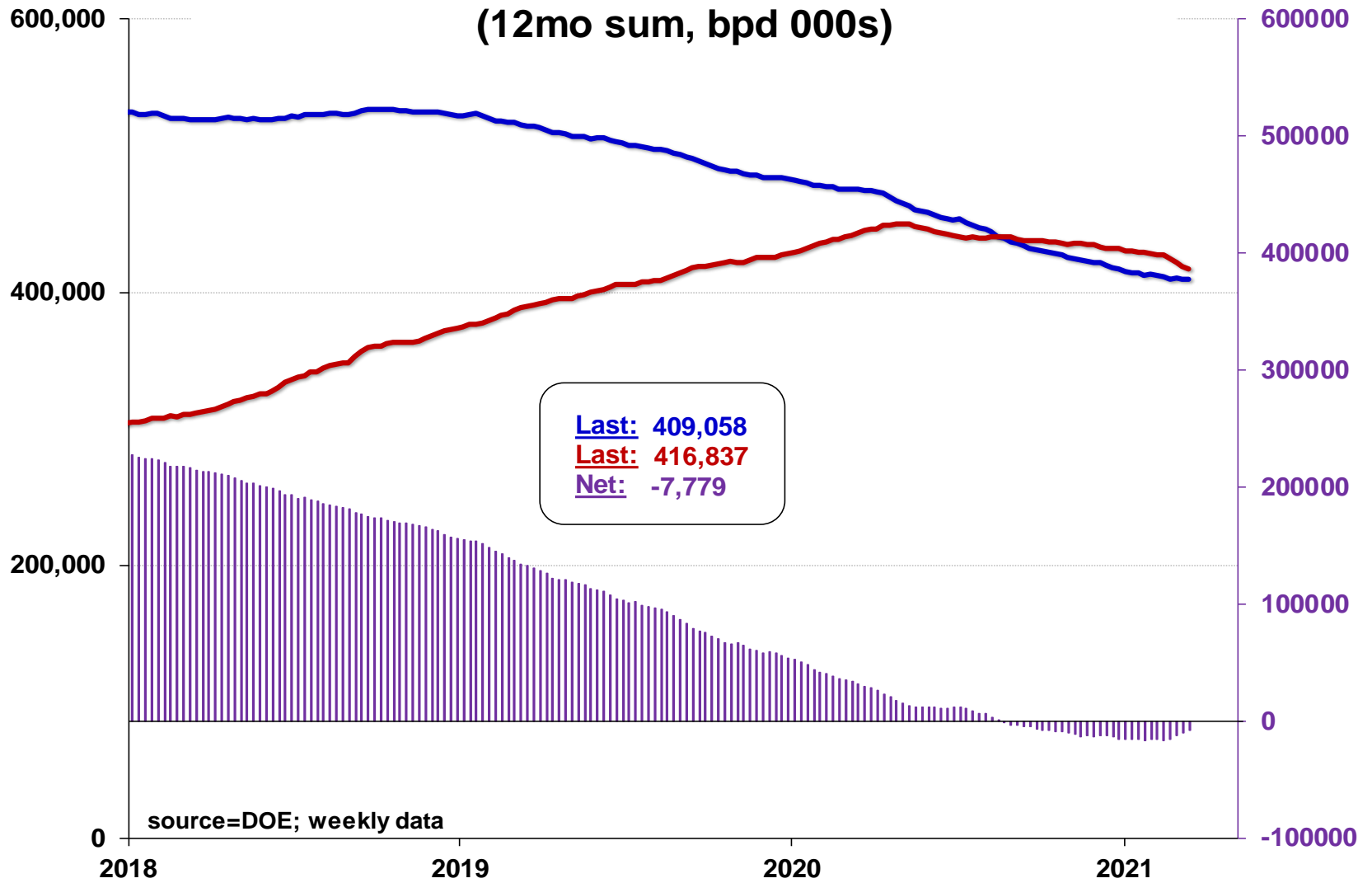
# Crude Oil --Imports --Exports (12mo sum, bpd 000s)



# Crude Oil & Petroleum Products --Imports --Exports (3mo sum, bpd 000s)



# Crude Oil & Petroleum Products --Imports --Exports (12mo sum, bpd 000s)

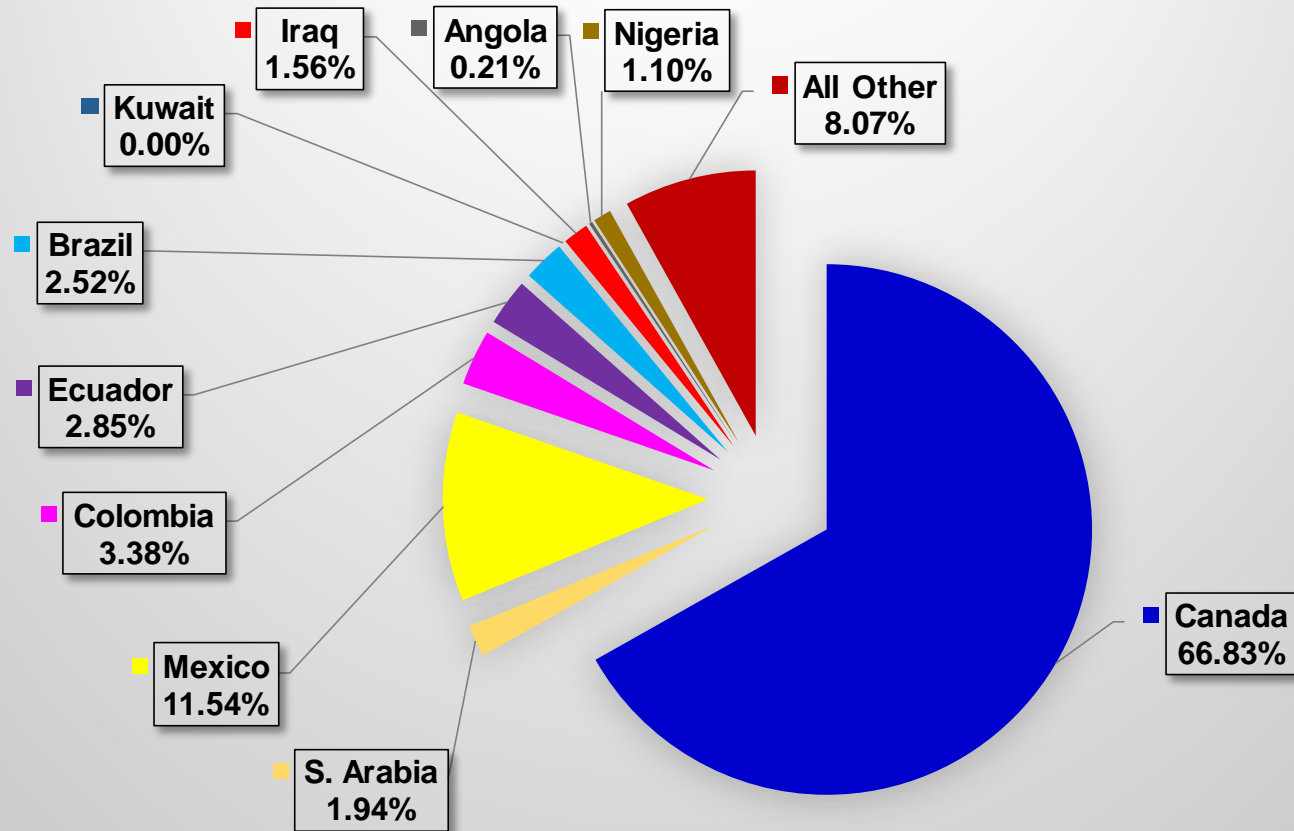


Last: 409,058  
Last: 416,837  
Net: -7,779

source=DOE; weekly data

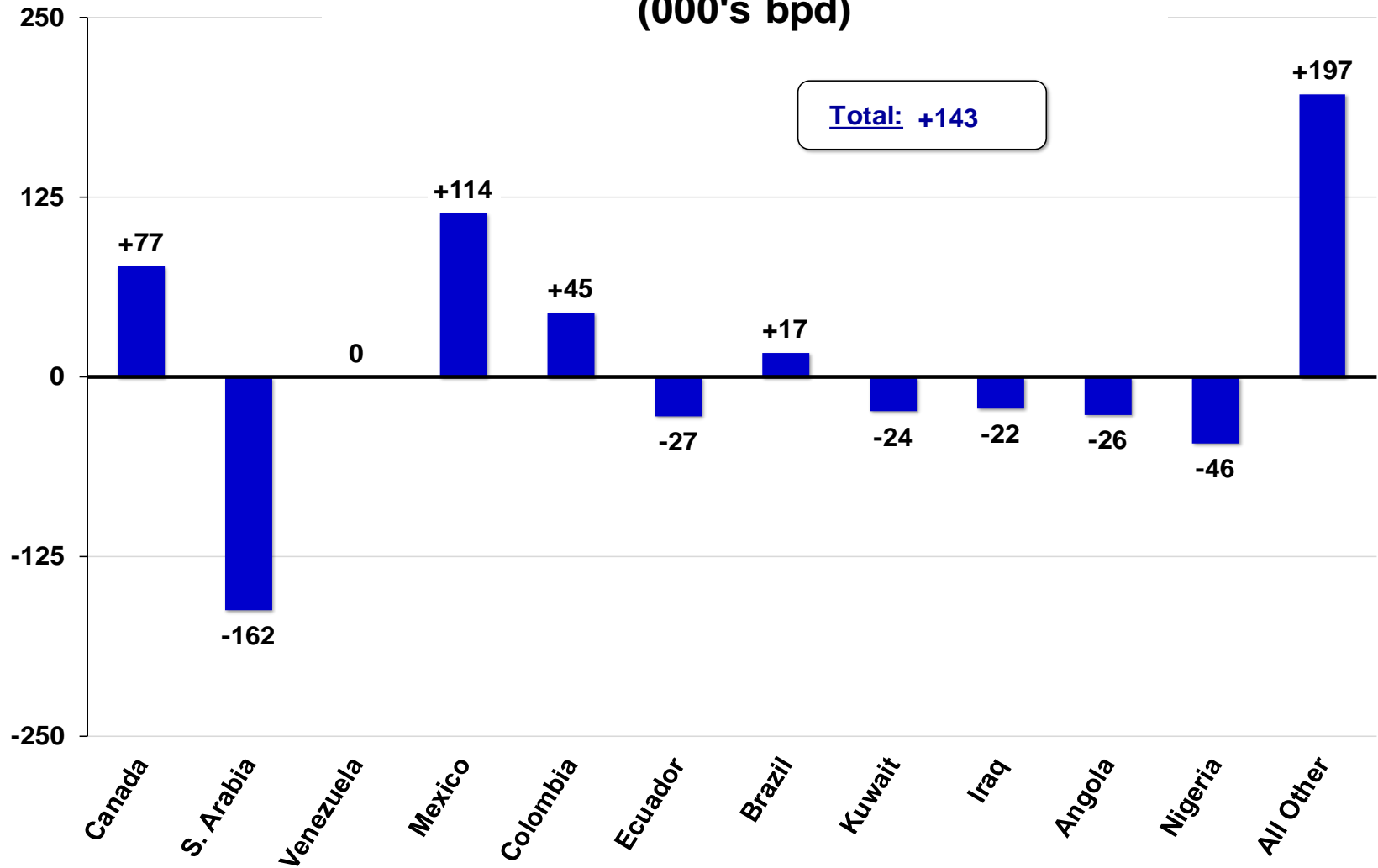
# US Crude Oil Imports By Country

12/31/2020data



source=DOE

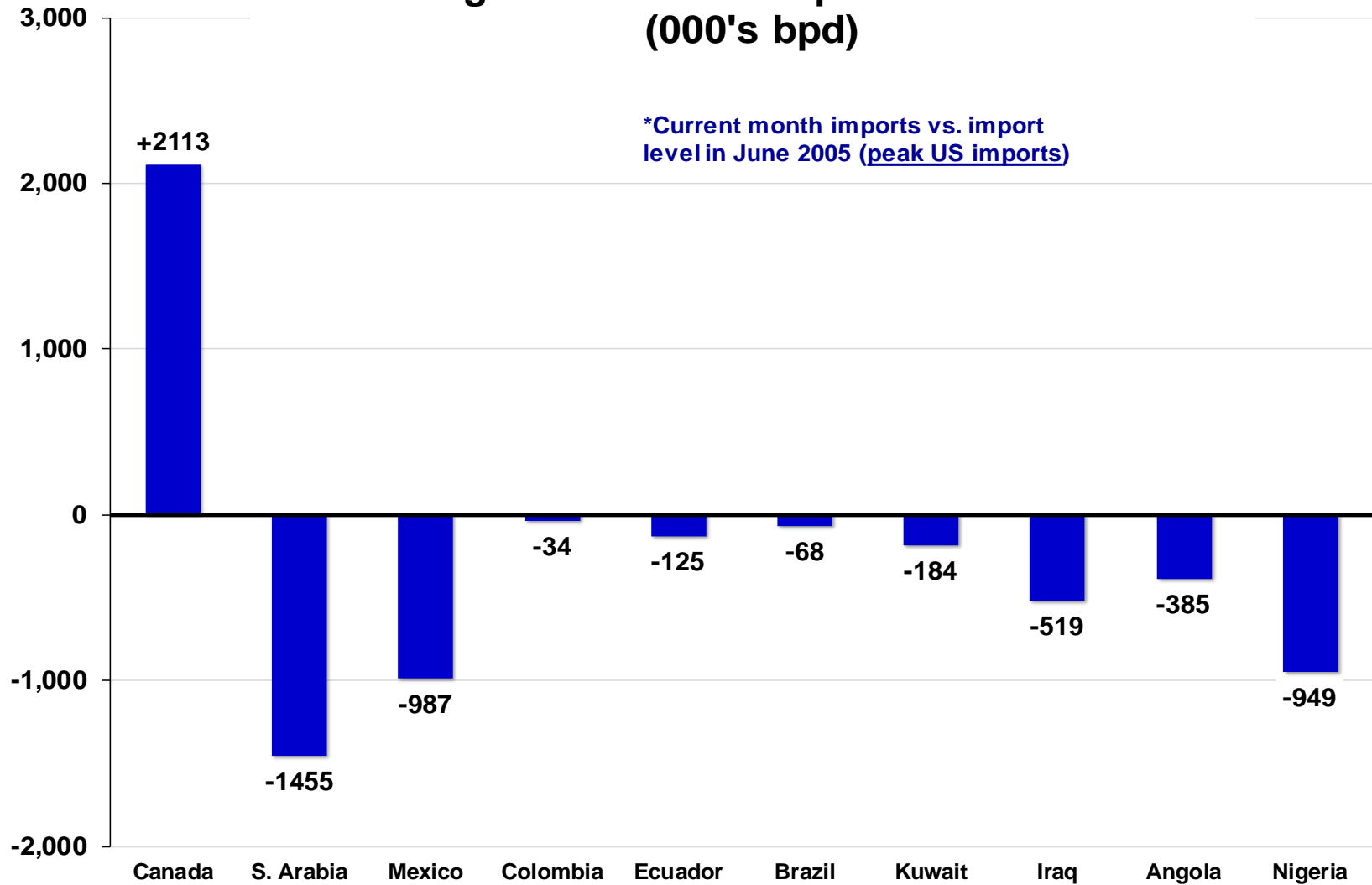
## U.S.: Monthly Change in Crude Oil Imports (000's bpd)



source=DOE.; data thru: 12/31/2020



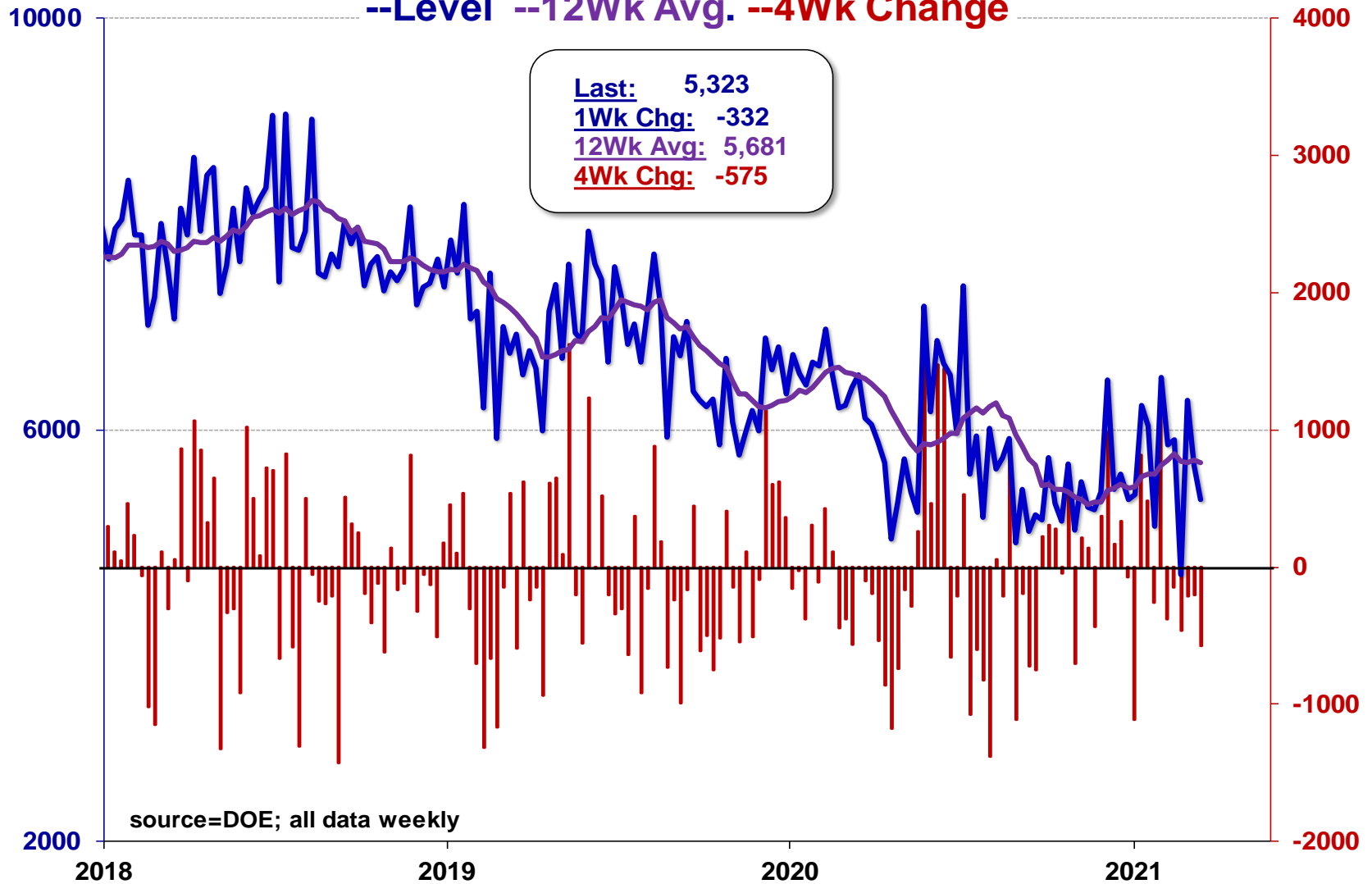
# U.S.: Change in Crude Oil Imports from June 2005\* (000's bpd)



source=DOE.; data thru: [12/31/2020](#)

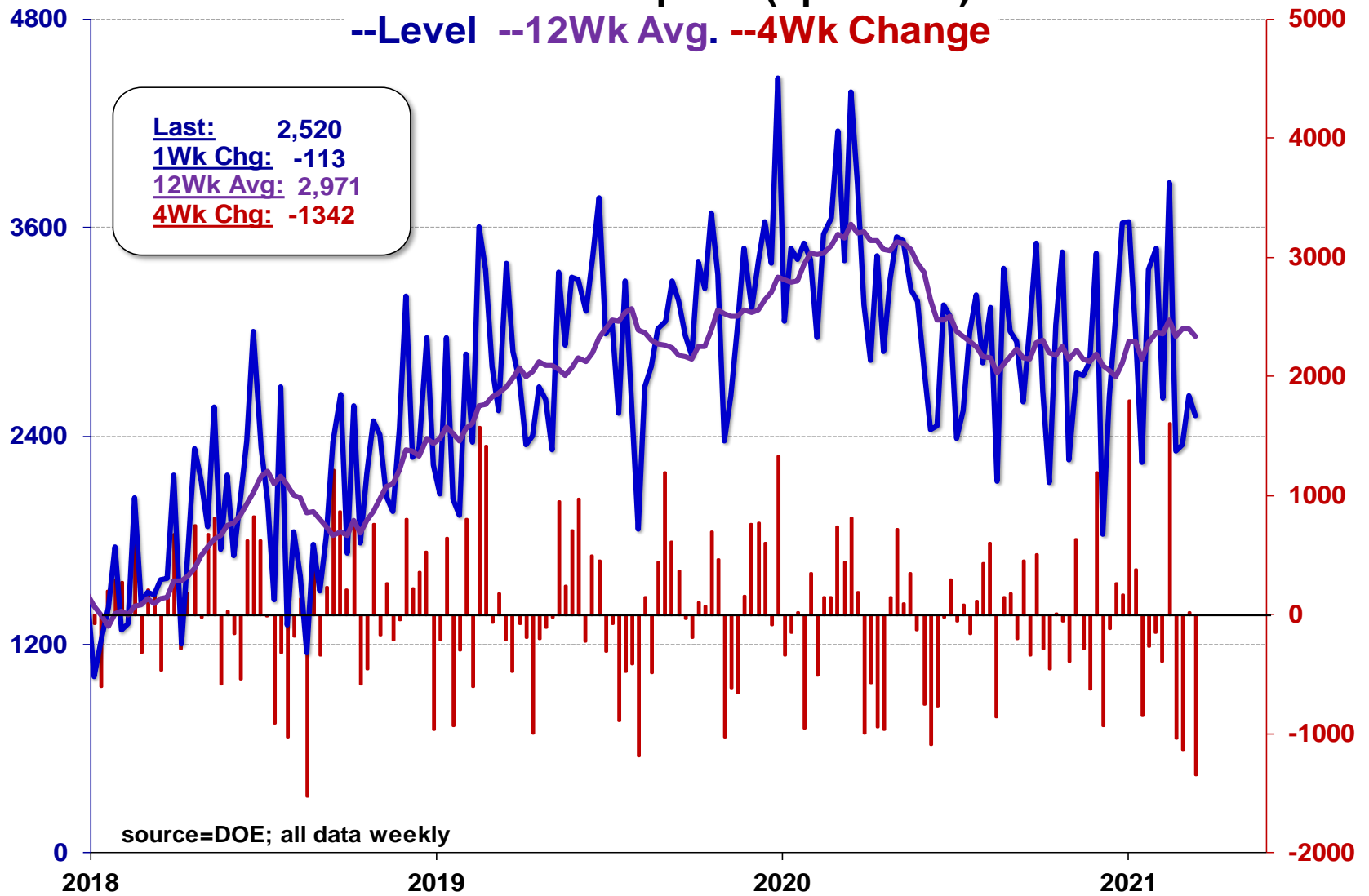
# US Crude Oil Imports (bpd 000's):

--Level --12Wk Avg. --4Wk Change



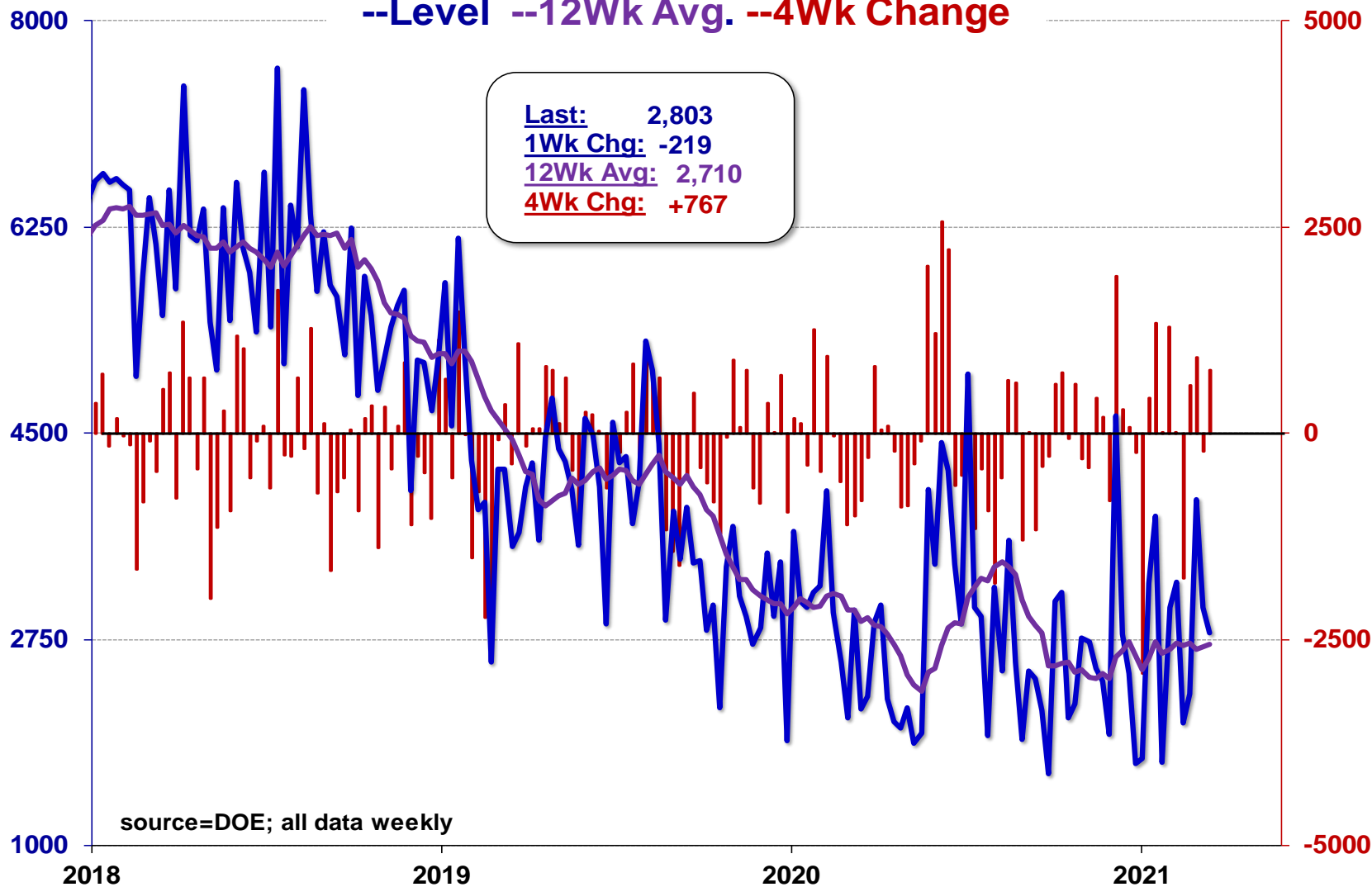
# US Crude Oil Exports (bpd 000's):

--Level --12Wk Avg. --4Wk Change



# US Crude Oil Net Imports (bpd 000's):

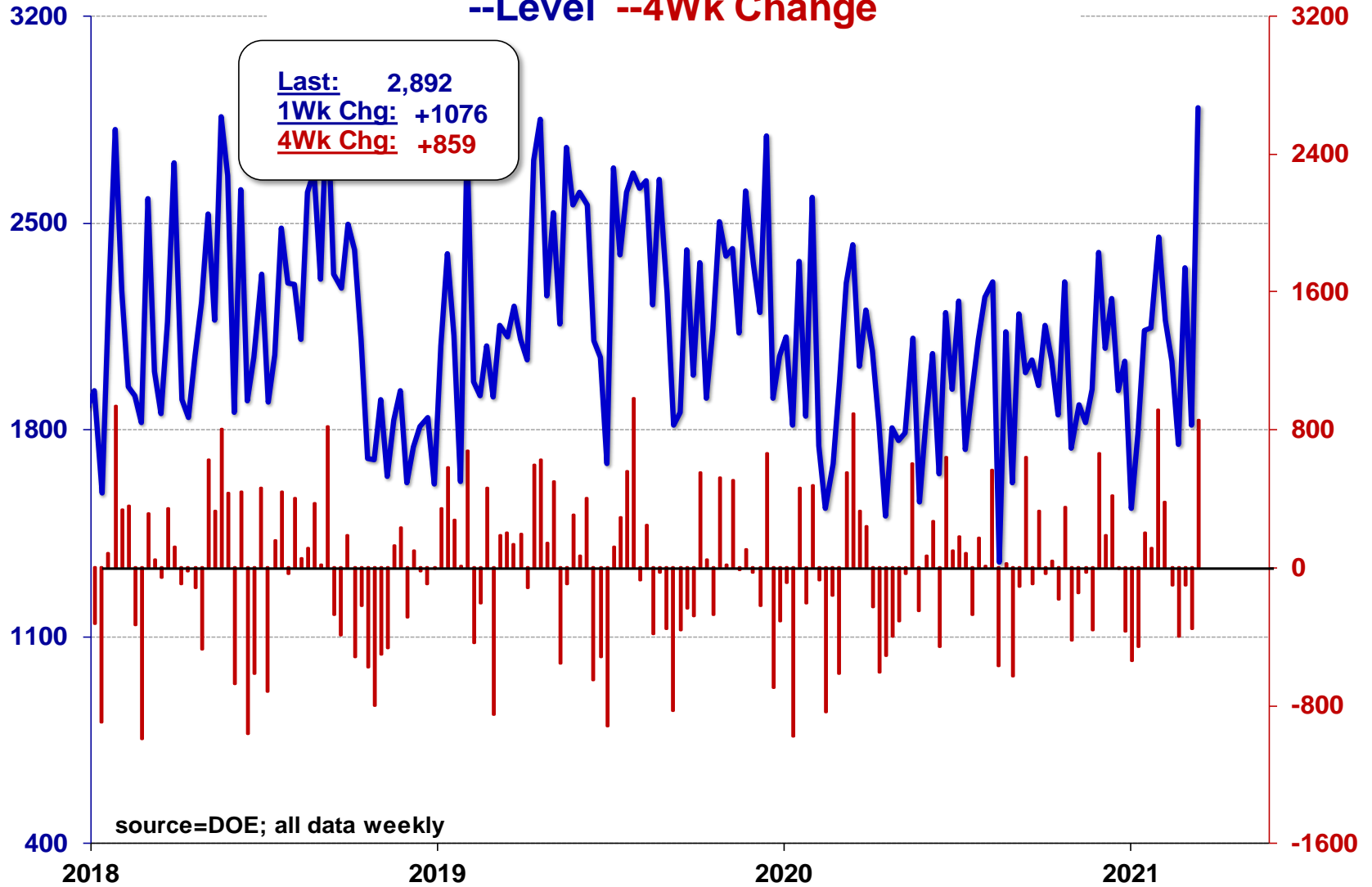
--Level --12Wk Avg. --4Wk Change



source=DOE; all data weekly

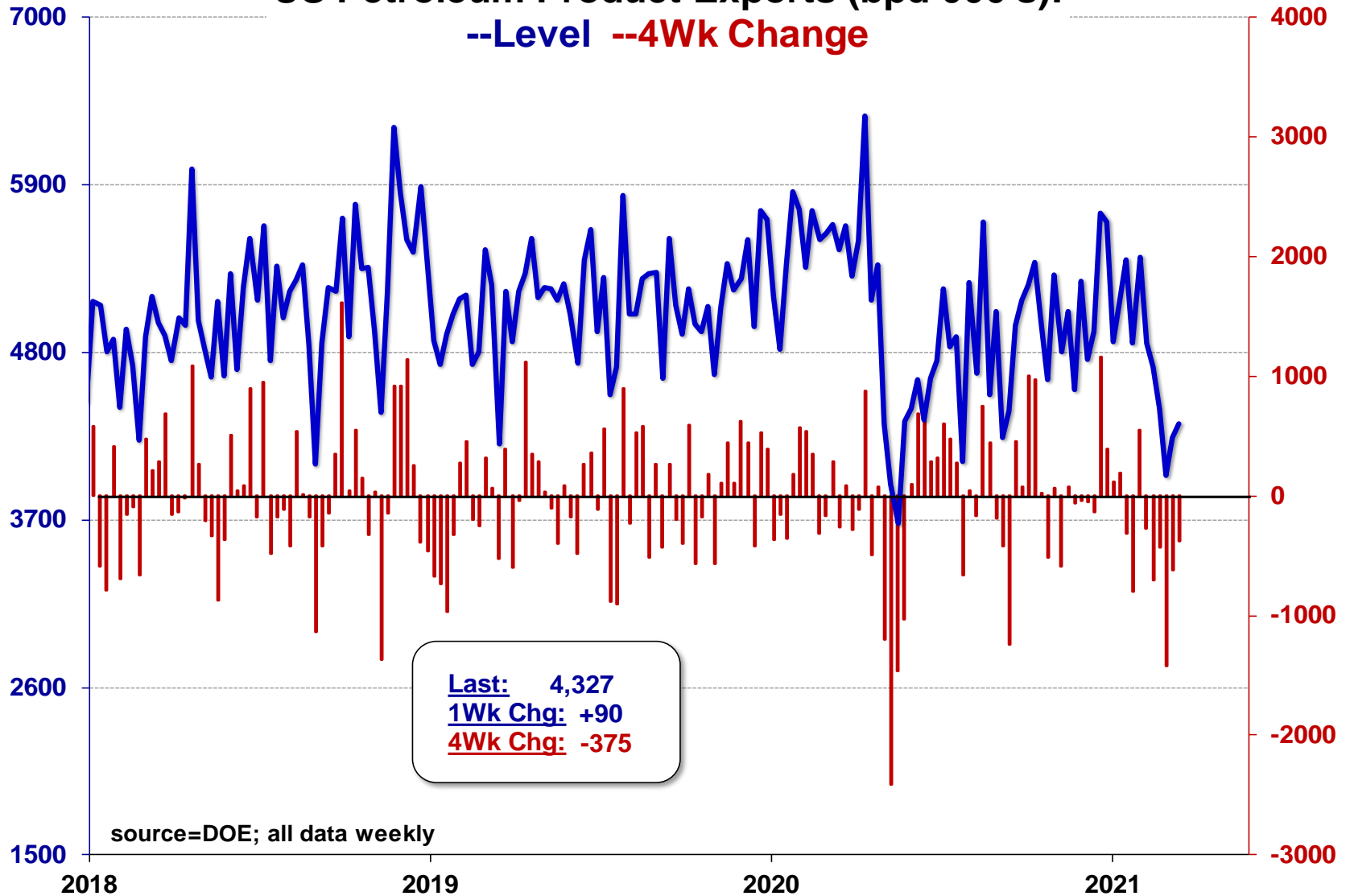
# US Petroleum Product Imports (bpd 000's):

--Level --4Wk Change



# US Petroleum Product Exports (bpd 000's):

--Level --4Wk Change

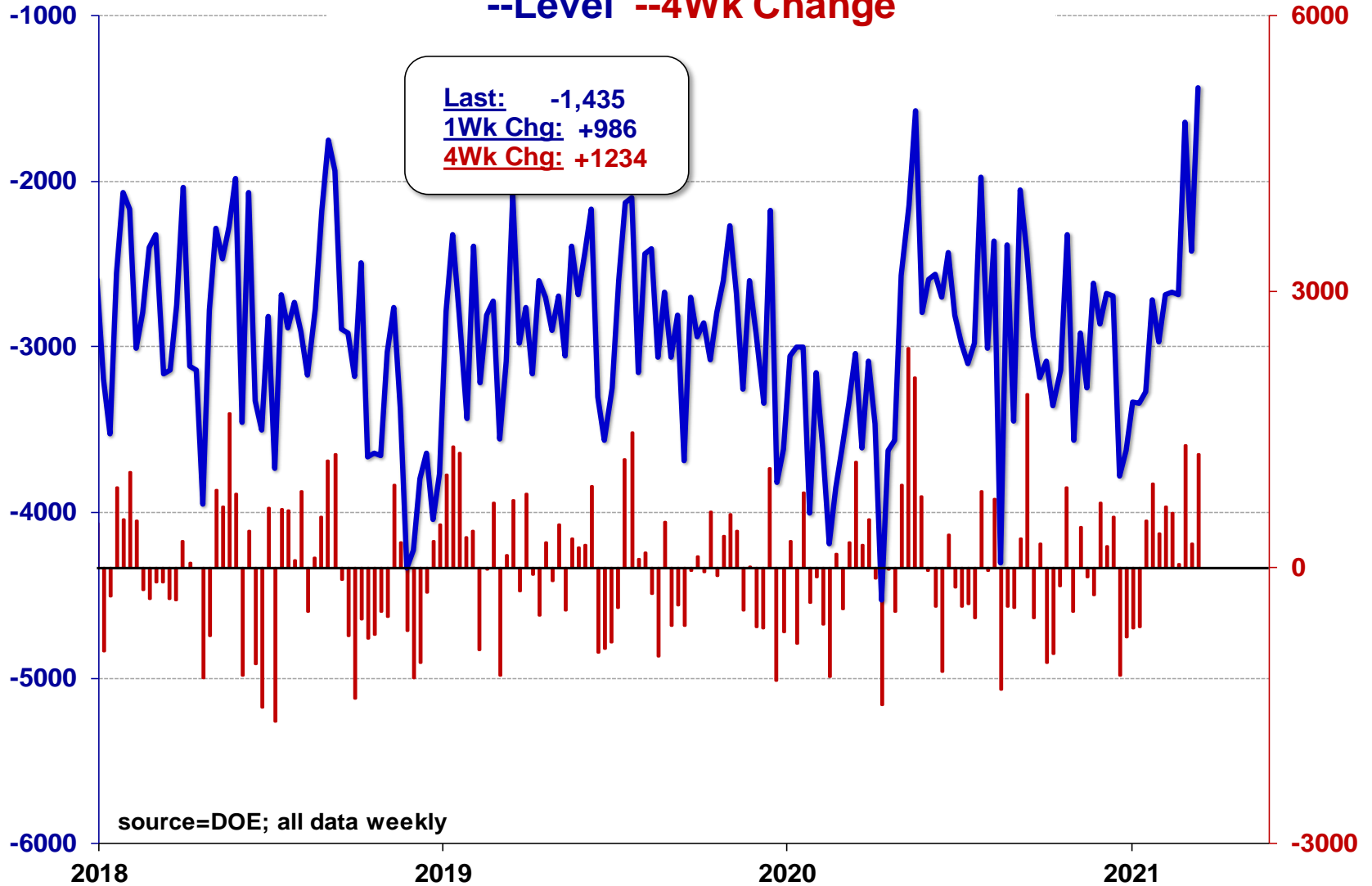


**Last:** 4,327  
**1Wk Chg:** +90  
**4Wk Chg:** -375

source=DOE; all data weekly

# US Petroleum Net Imports (bpd 000's):

--Level --4Wk Change

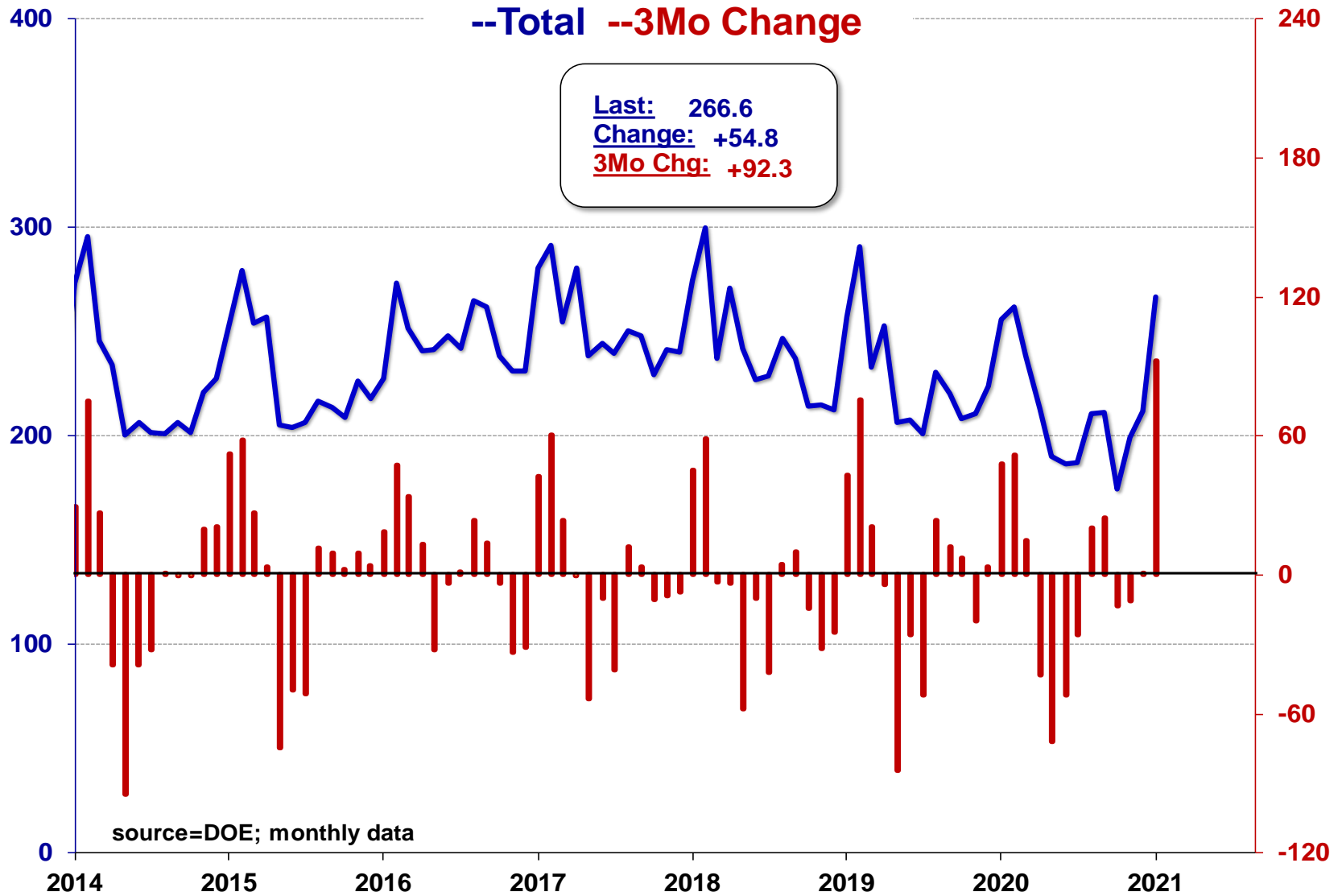


source=DOE; all data weekly

# Natural Gas Imports (bcf):

--Total --3Mo Change

Last: 266.6  
Change: +54.8  
3Mo Chg: +92.3

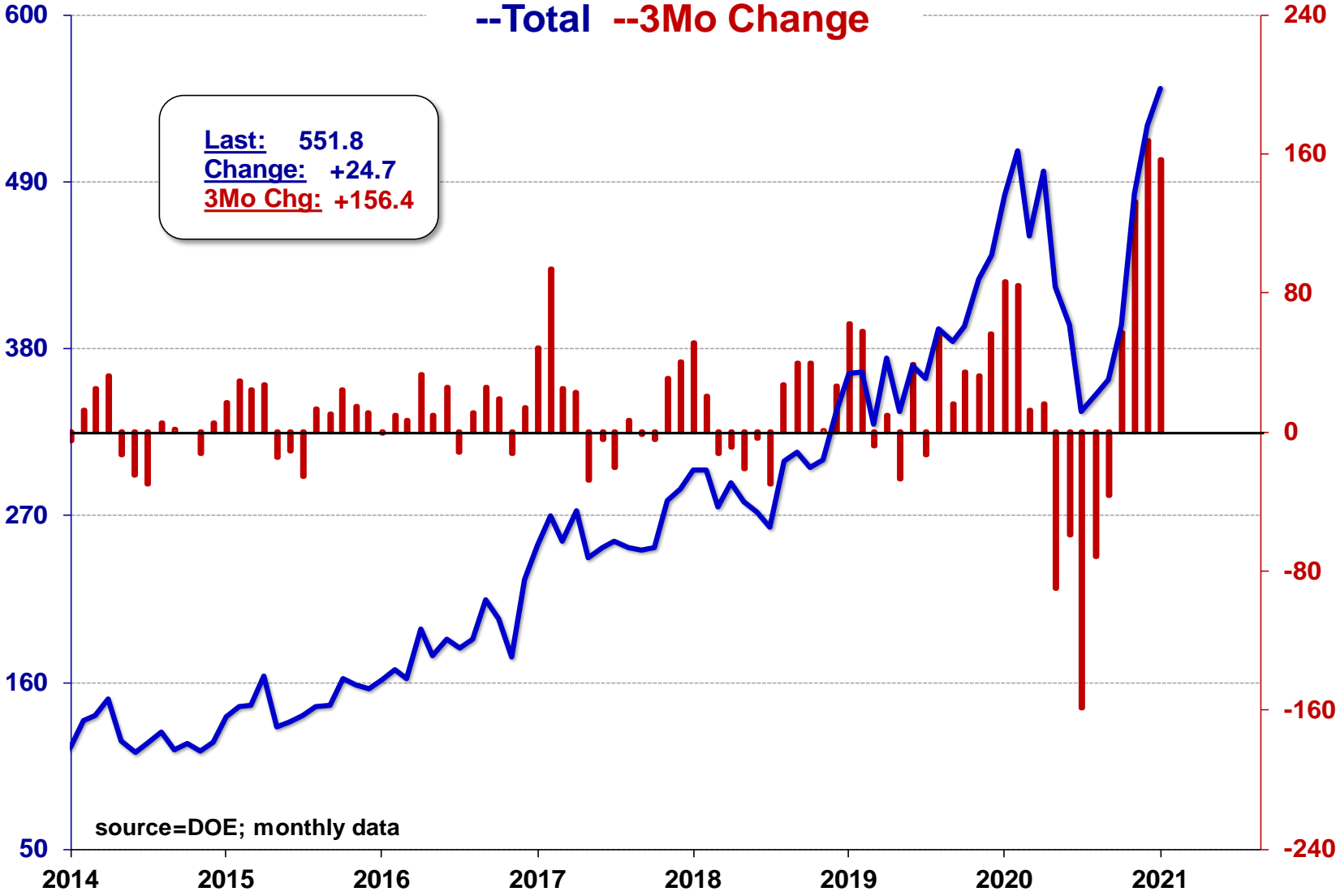


source=DOE; monthly data



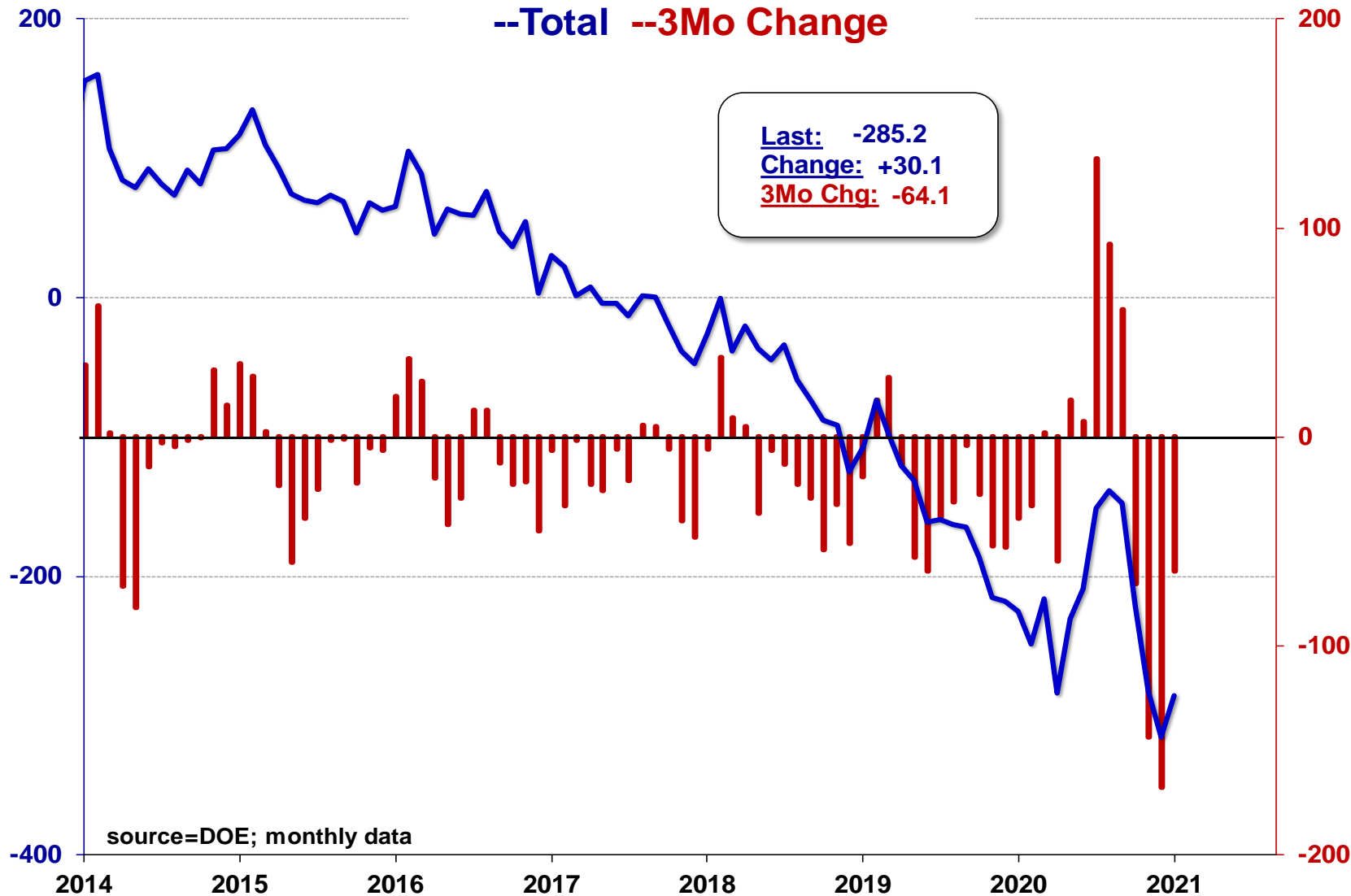
# Natural Gas Exports (bcf):

--Total --3Mo Change



# Natural Gas Net Imports (bcf):

--Total --3Mo Change



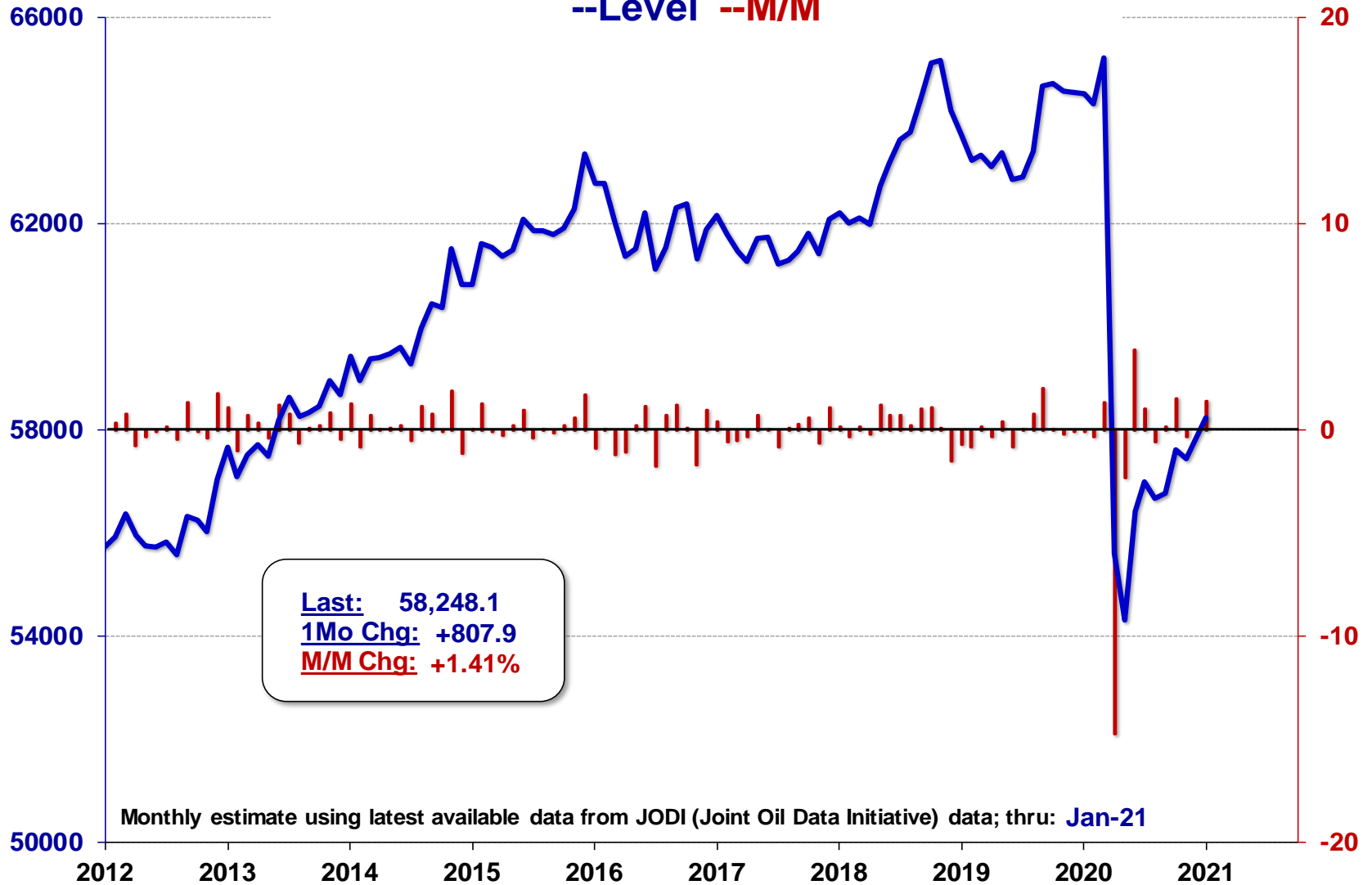
Last: -285.2  
Change: +30.1  
3Mo Chg: -64.1

**JOINT OIL DATA INITIATIVE (JODI) MONTHLY UPDATE**  
**PRODUCTION (TOP 25 based on latest available data)**

Data thru: 1/31/2021	BPD 000s				1Mo	3Mo	Y/Y	Record
	1/31/21	12/1/20	11/1/20	10/1/20	% Change	% Change	% Change	High/Low?
<b>United States of America</b>	10,955	11,063	11,124	10,419	-1.0%	+5.1%	-14.0%	NO
<b>Russian Federation</b>	9,489	9,321	9,306	9,286	+1.8%	+2.2%	-10.5%	NO
<b>Saudi Arabia</b>	9,103	8,980	8,972	8,974	+1.4%	+1.4%	-6.6%	NO
<b>China</b>	3,846	3,846	3,895	3,875	0.0%	-0.8%	-0.7%	NO
<b>Iraq</b>	3,807	3,857	3,685	3,842	-1.3%	-0.9%	-14.8%	NO
<b>Canada</b>	3,573	3,506	3,603	3,355	+1.9%	+6.5%	-6.1%	NO
<b>Brazil</b>	2,878	2,731	2,759	2,879	+5.4%	-0.0%	-9.3%	NO
<b>Norway</b>	2,146	1,845	1,765	1,649	+16.3%	+30.2%	+27.1%	NO
<b>Mexico</b>	1,716	1,716	1,692	1,683	0.0%	+2.0%	-2.5%	NO
<b>Kazakhstan</b>	1,427	1,427	1,420	1,415	0.0%	+0.9%	-12.4%	NO
<b>Nigeria</b>	1,361	1,174	1,329	1,347	+15.9%	+1.0%	-21.7%	NO
<b>Angola</b>	1,133	1,145	1,219	1,194	-1.0%	-5.1%	-19.9%	NO
<b>United Kingdom</b>	875	963	853	859	-9.0%	+1.9%	-17.2%	NO
<b>Algeria</b>	874	862	862	860	+1.4%	+1.6%	-13.6%	NO
<b>Indonesia</b>	687	697	728	707	-1.5%	-2.9%	-5.6%	NO
<b>India</b>	618	613	617	616	+0.7%	+0.2%	-4.6%	NO
<b>Azerbaijan</b>	594	596	595	579	-0.3%	+2.5%	-11.3%	NO
<b>Egypt (Arab Rep.)</b>	560	559	560	562	+0.2%	-0.4%	-8.6%	NO
<b>Malaysia</b>	546	546	534	524	0.0%	+4.2%	-12.6%	NO
<b>Venezuela</b>	484	441	434	473	+9.8%	+2.3%	-45.1%	NO
<b>Australia</b>	310	315	321	329	-1.5%	-5.9%	-4.2%	NO
<b>Thailand</b>	187	180	191	196	+4.0%	-4.8%	-15.4%	NO
<b>Gabon</b>	179	179	179	200	0.0%	-10.5%	-18.6%	NO
<b>Bahrain</b>	176	140	204	210	+26.1%	-16.3%	+21.9%	NO
<b>Italy</b>	111	111	111	113	-0.2%	-2.5%	+24.6%	NO
<b>TOP 25 TOTAL:</b>	57,633	56,811	56,959	56,147	+1.4%	+2.6%	-9.8%	

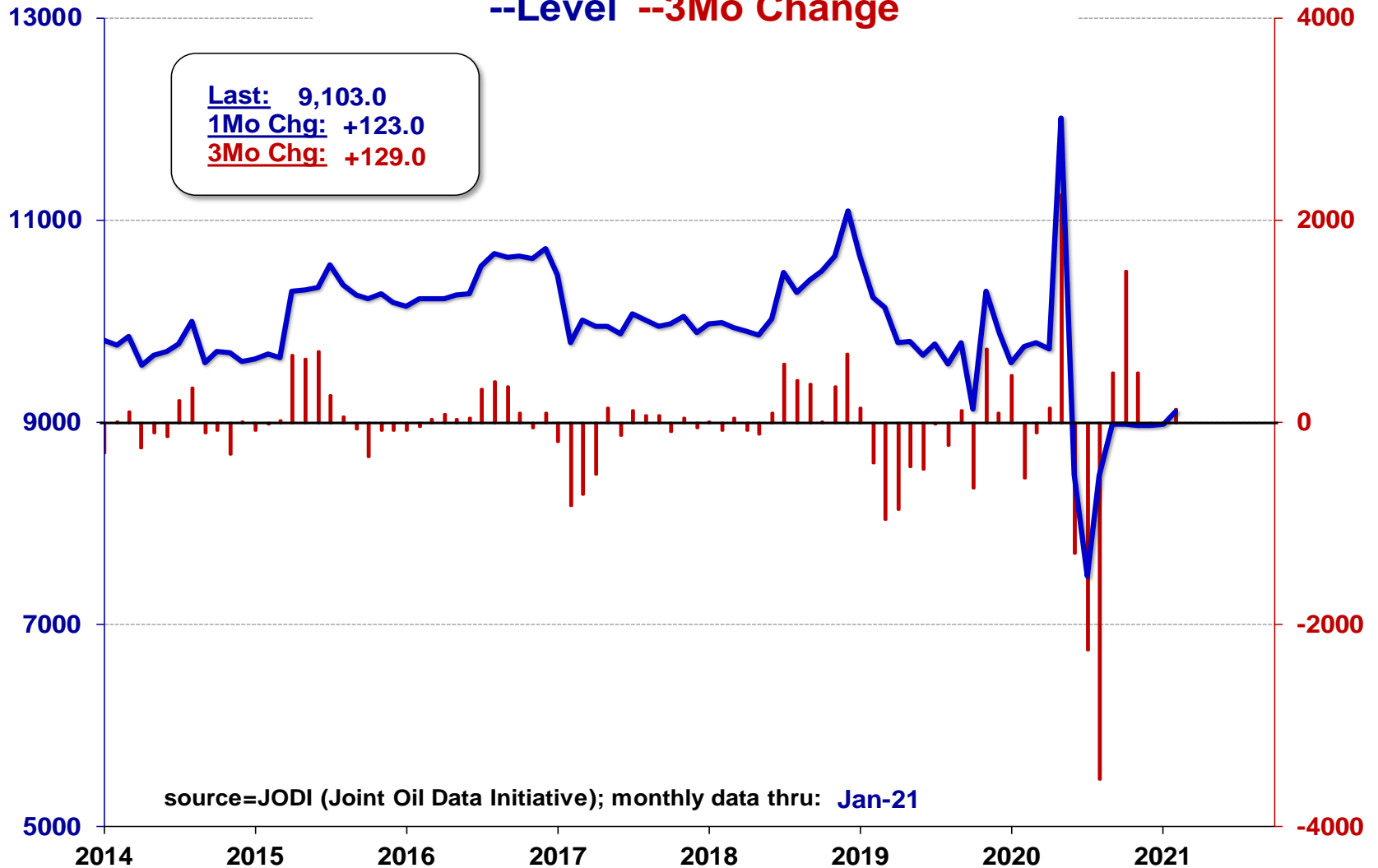
# Oil Production: Top 45 Producers (bpd 000's)

--Level --M/M



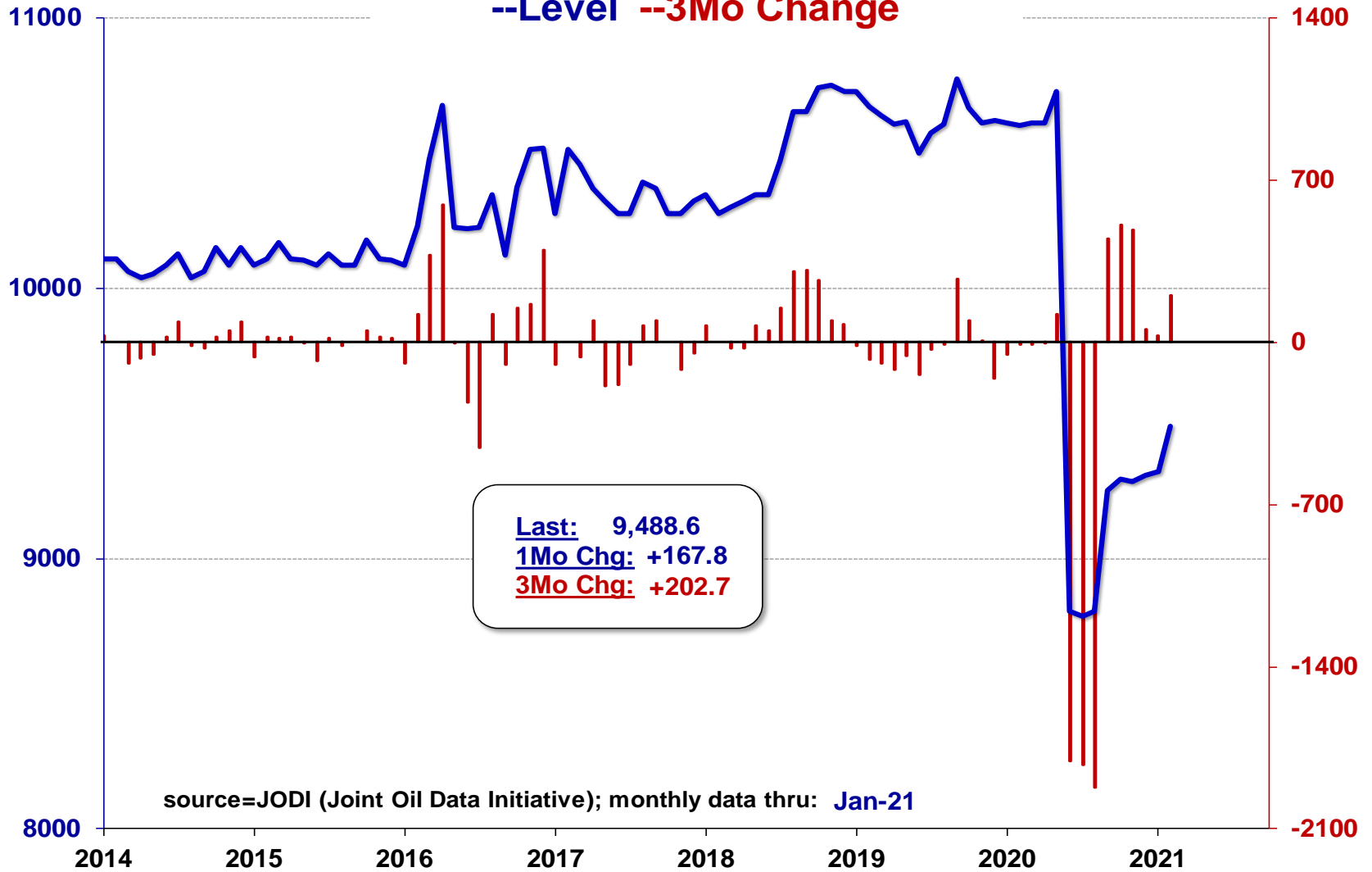
# Saudi Arabia Oil Production (bpd 000's):

--Level --3Mo Change



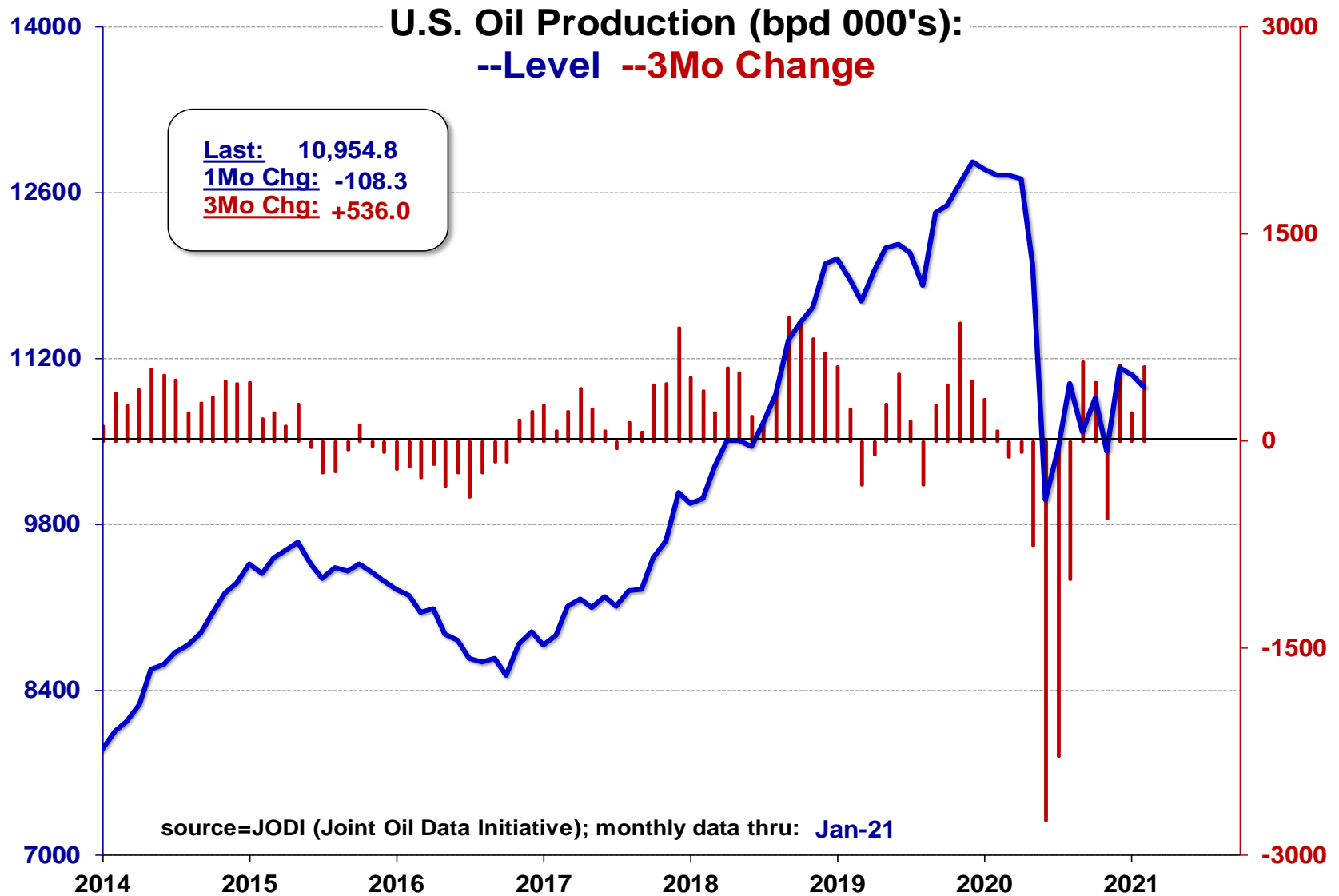
# Russia Oil Production (bpd 000's):

--Level --3Mo Change



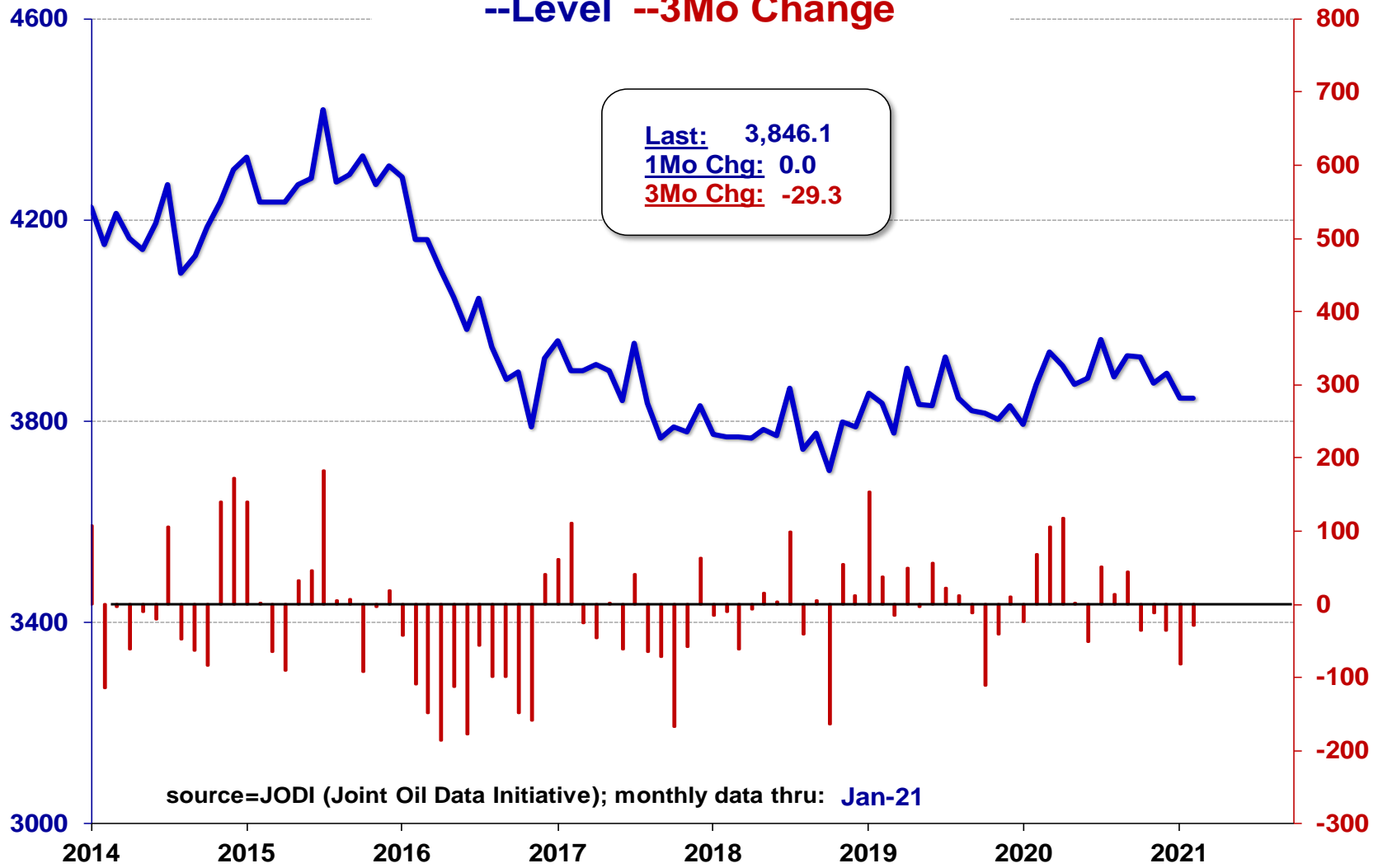
**Last:** 9,488.6  
**1Mo Chg:** +167.8  
**3Mo Chg:** +202.7

source=JODI (Joint Oil Data Initiative); monthly data thru: Jan-21



# China Oil Production (bpd 000's):

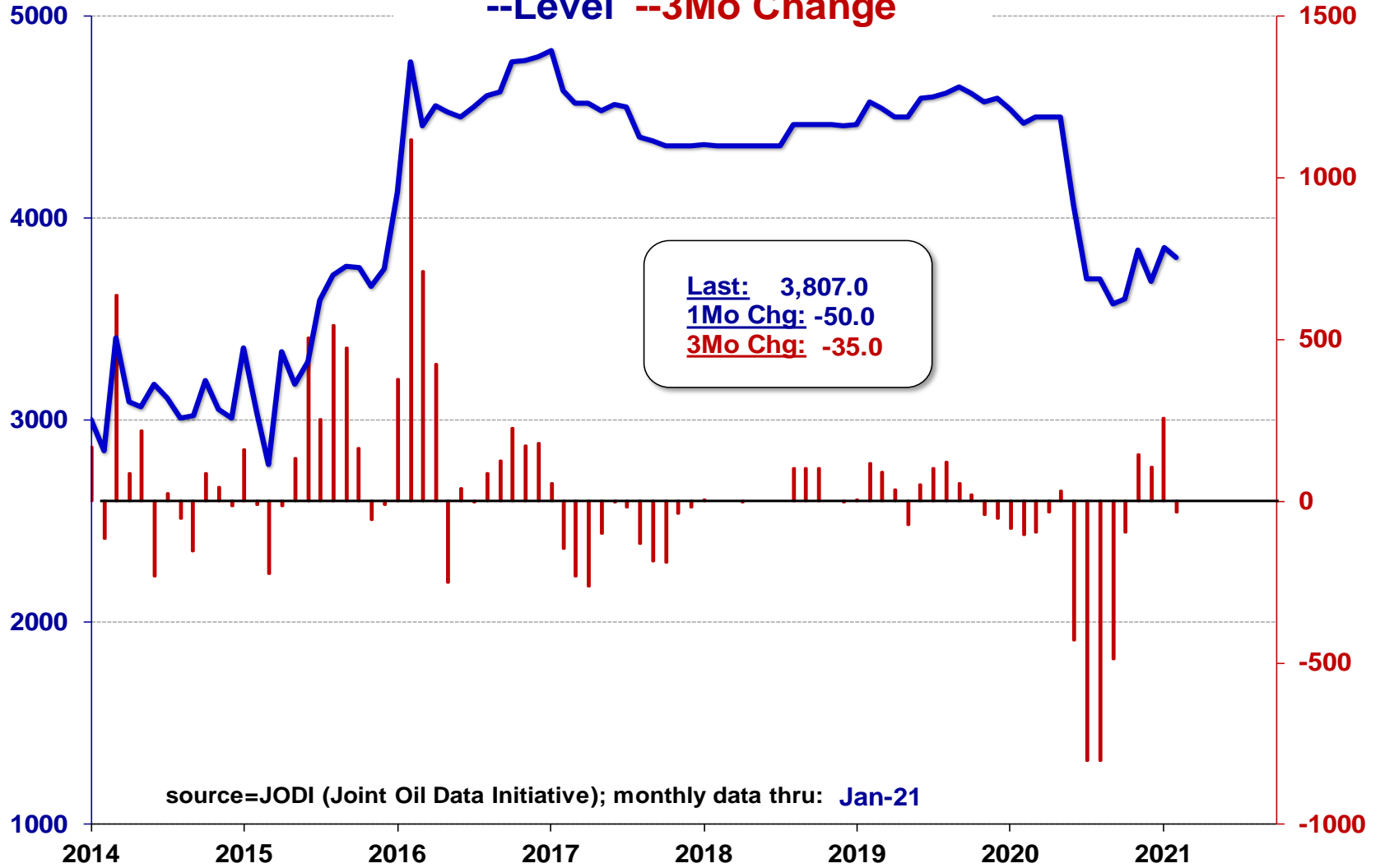
--Level --3Mo Change





# Iraq Oil Production (bpd 000's):

--Level --3Mo Change

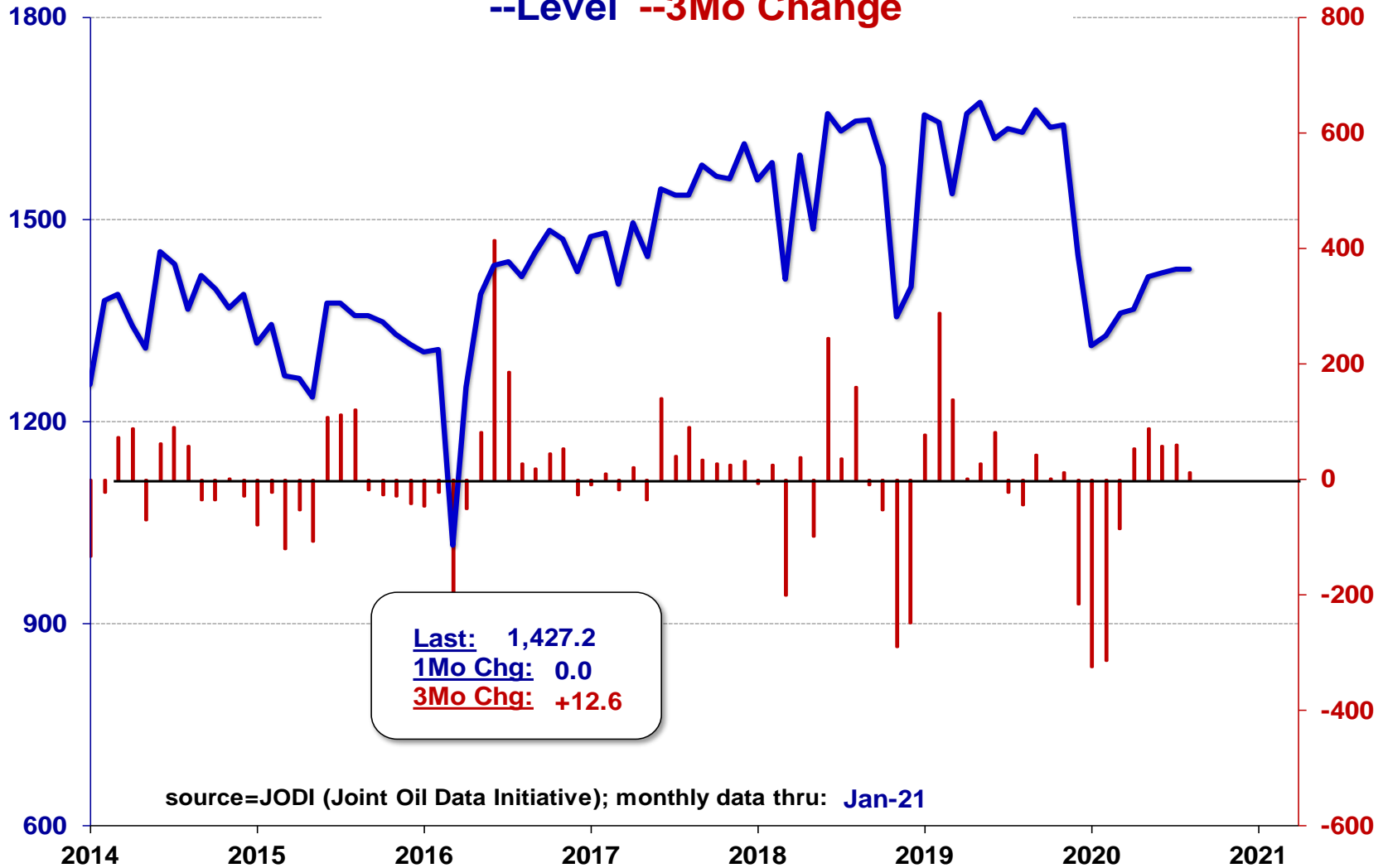


Last: 3,807.0  
1Mo Chg: -50.0  
3Mo Chg: -35.0

source=JODI (Joint Oil Data Initiative); monthly data thru: Jan-21

# Kazakhstan Oil Production (bpd 000's):

--Level --3Mo Change

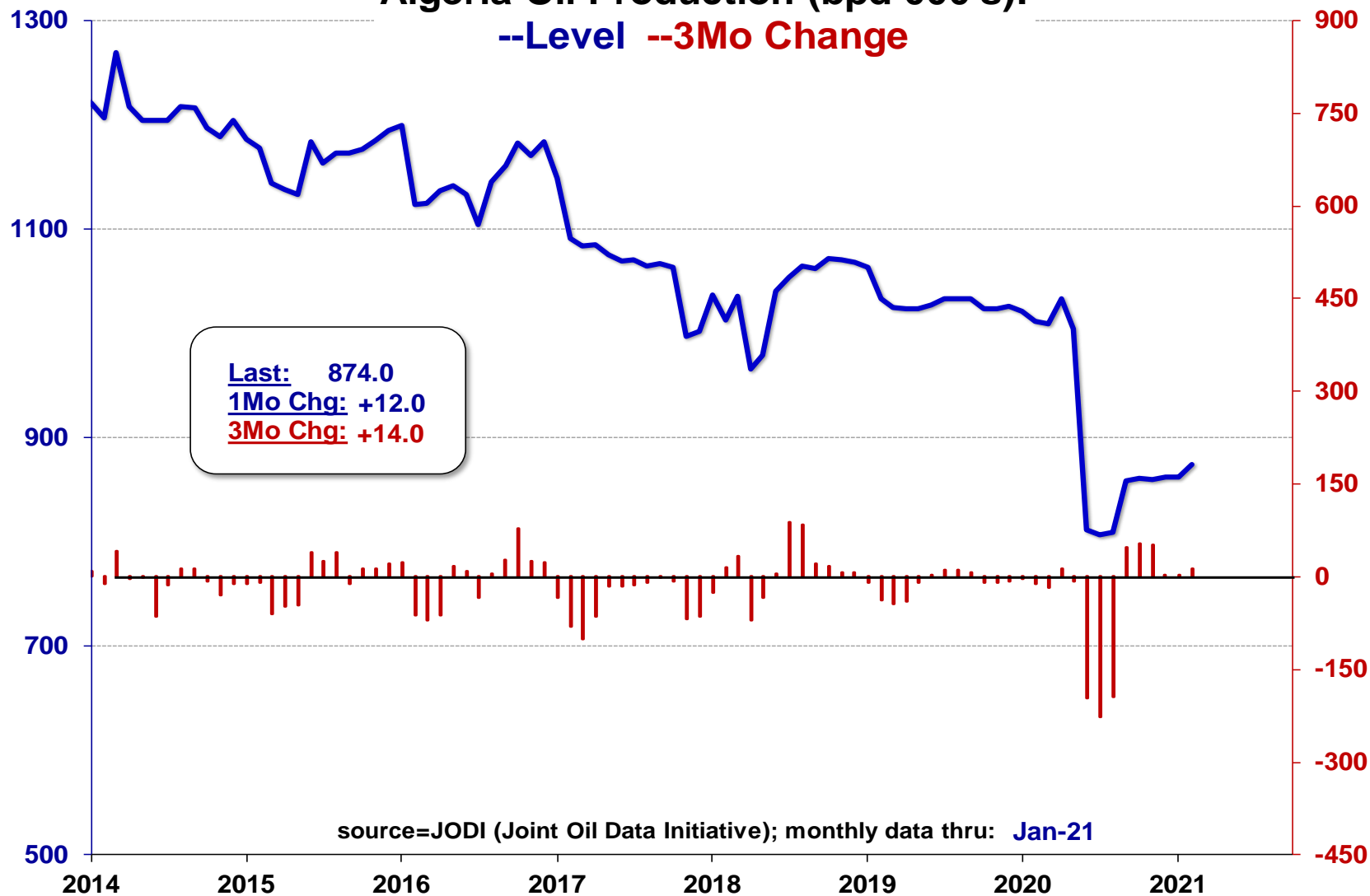


Last: 1,427.2  
1Mo Chg: 0.0  
3Mo Chg: +12.6

source=JODI (Joint Oil Data Initiative); monthly data thru: Jan-21

# Algeria Oil Production (bpd 000's):

--Level --3Mo Change

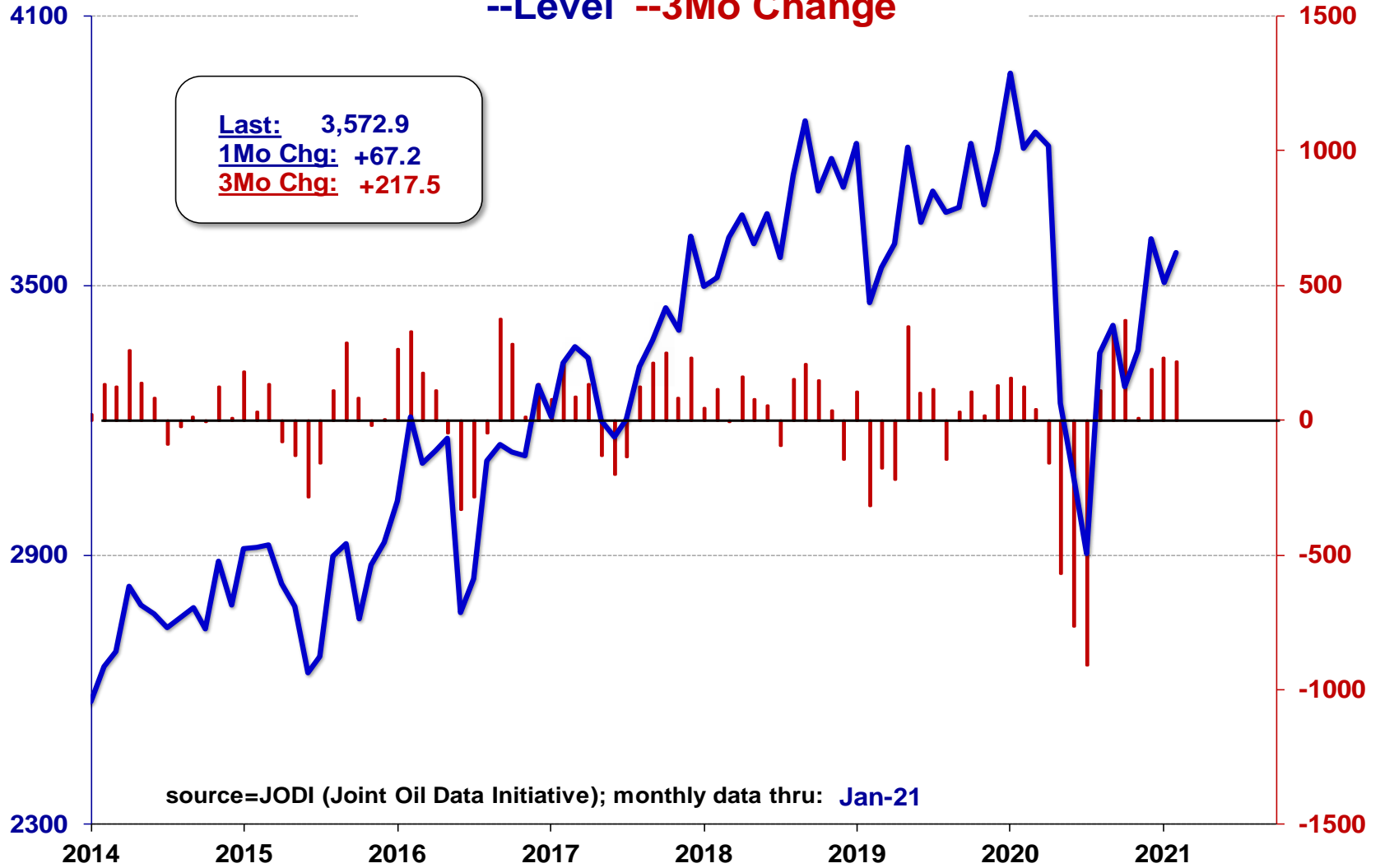


**Last:** 874.0  
**1Mo Chg:** +12.0  
**3Mo Chg:** +14.0

source=JODI (Joint Oil Data Initiative); monthly data thru: Jan-21

# Canada Oil Production (bpd 000's):

--Level --3Mo Change

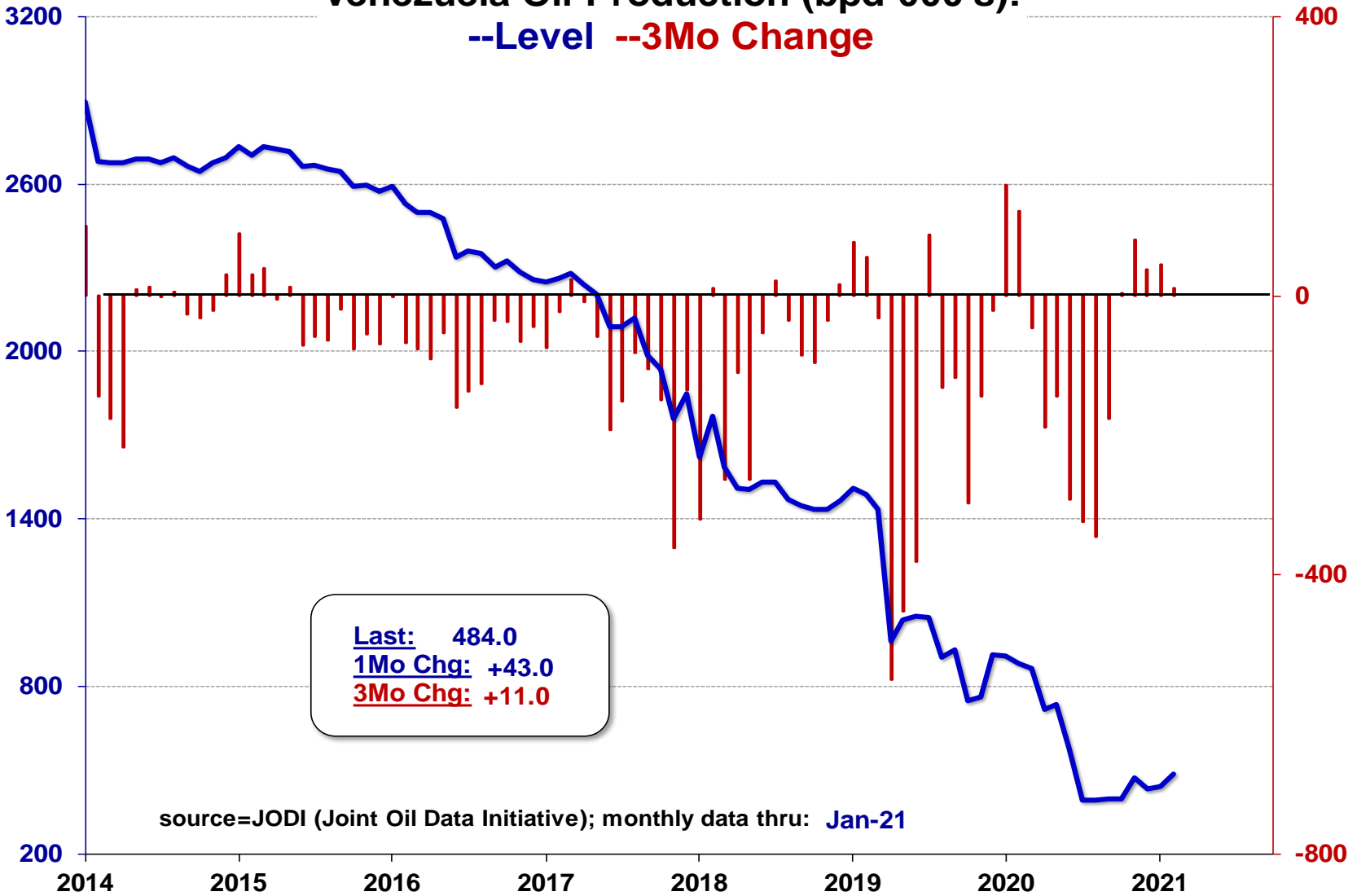


Last: 3,572.9  
1Mo Chg: +67.2  
3Mo Chg: +217.5

source=JODI (Joint Oil Data Initiative); monthly data thru: Jan-21

# Venezuela Oil Production (bpd 000's):

--Level --3Mo Change

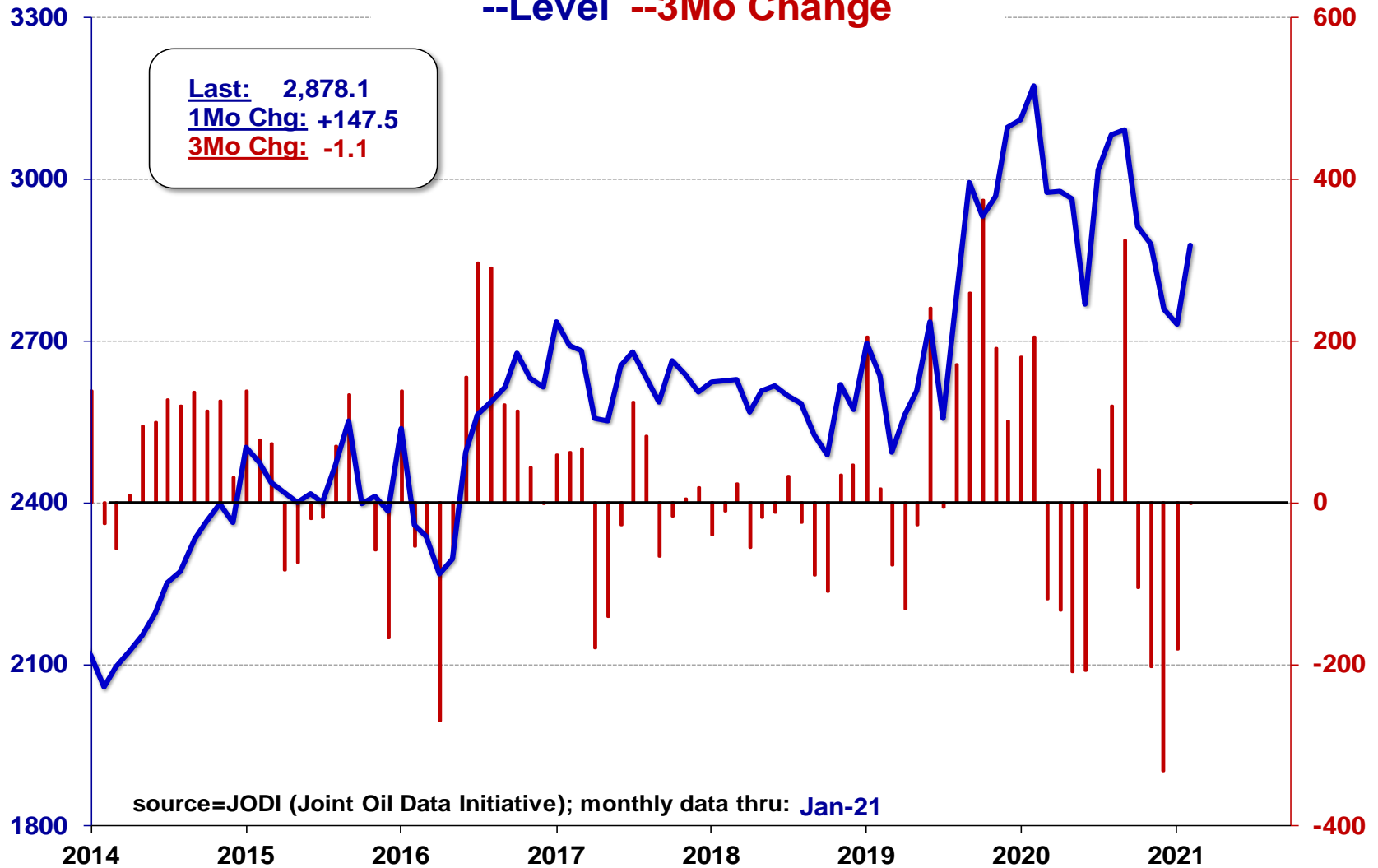


**Last:** 484.0  
**1Mo Chg:** +43.0  
**3Mo Chg:** +11.0

source=JODI (Joint Oil Data Initiative); monthly data thru: Jan-21

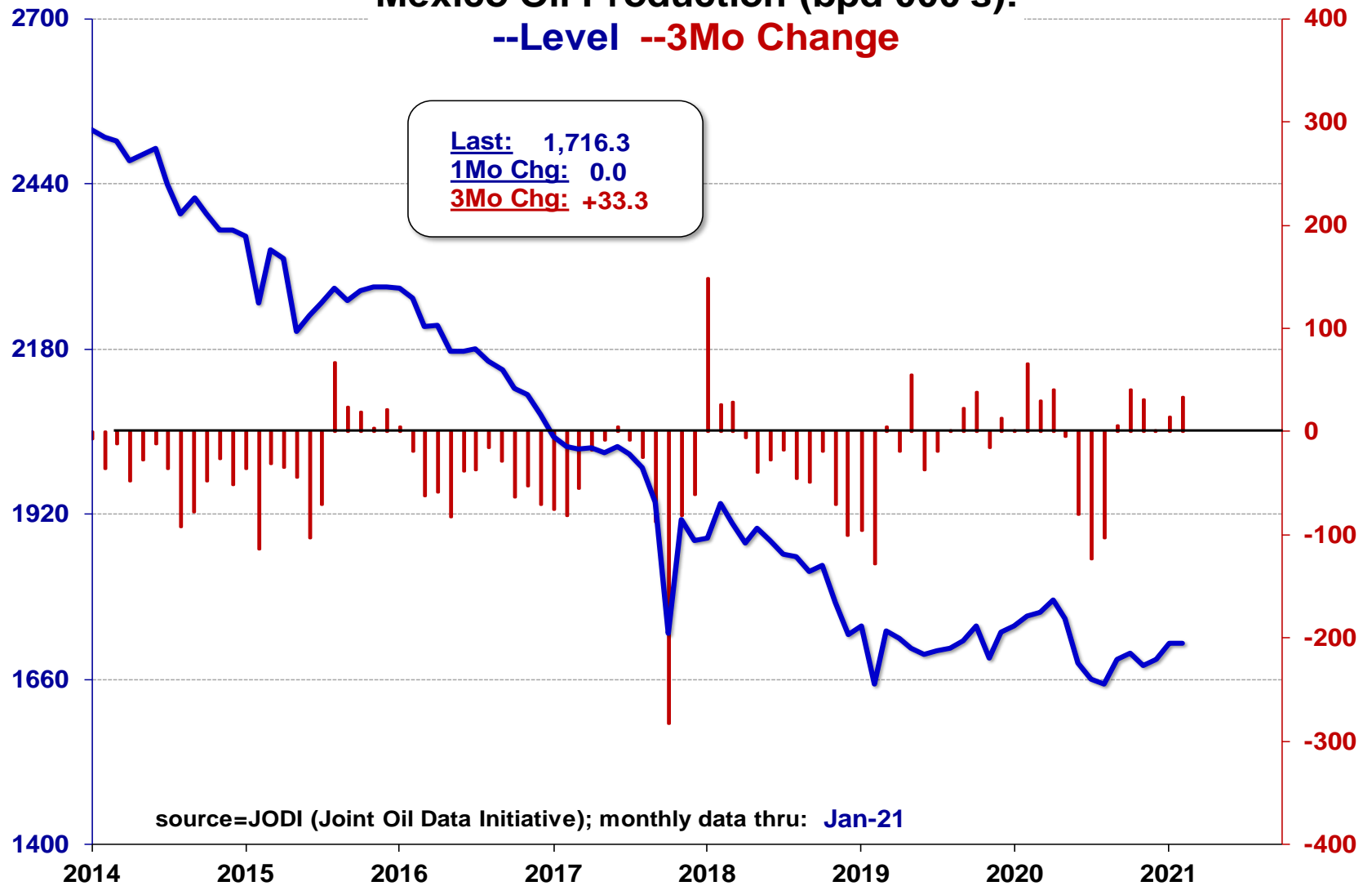
# Brazil Oil Production (bpd 000's):

--Level --3Mo Change



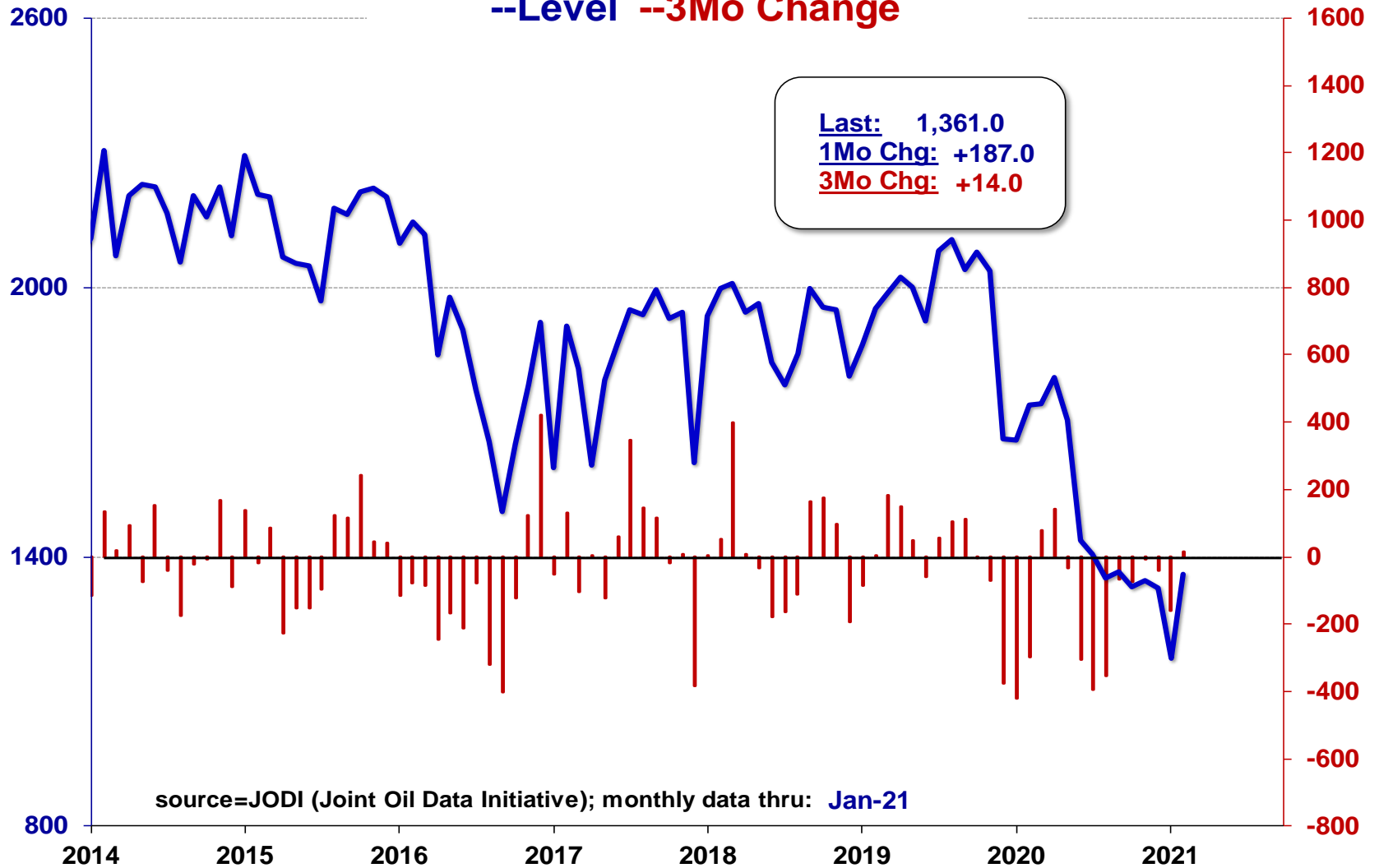
# Mexico Oil Production (bpd 000's):

--Level --3Mo Change



# Nigeria Oil Production (bpd 000's):

--Level --3Mo Change

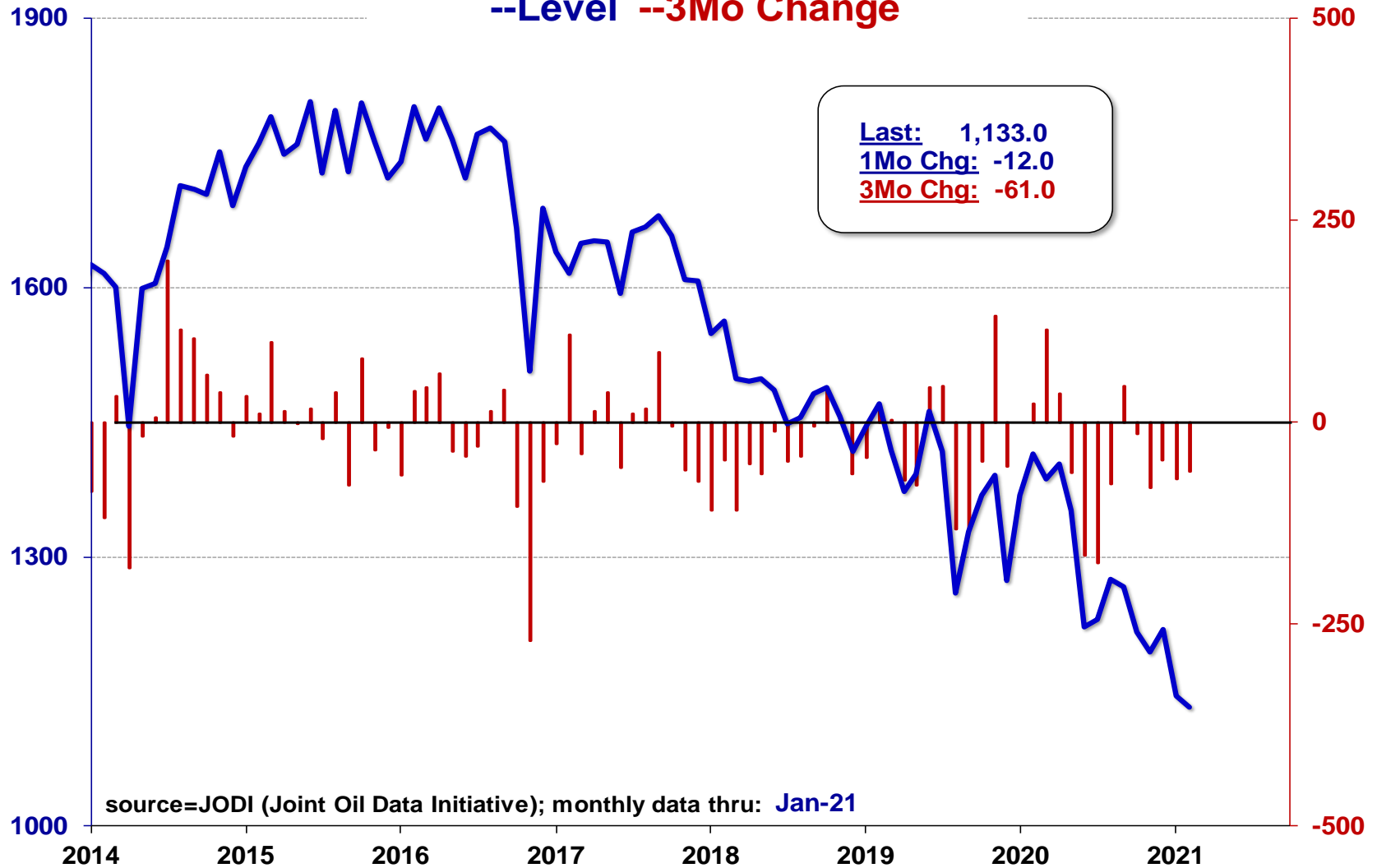


Last: 1,361.0  
1Mo Chg: +187.0  
3Mo Chg: +14.0



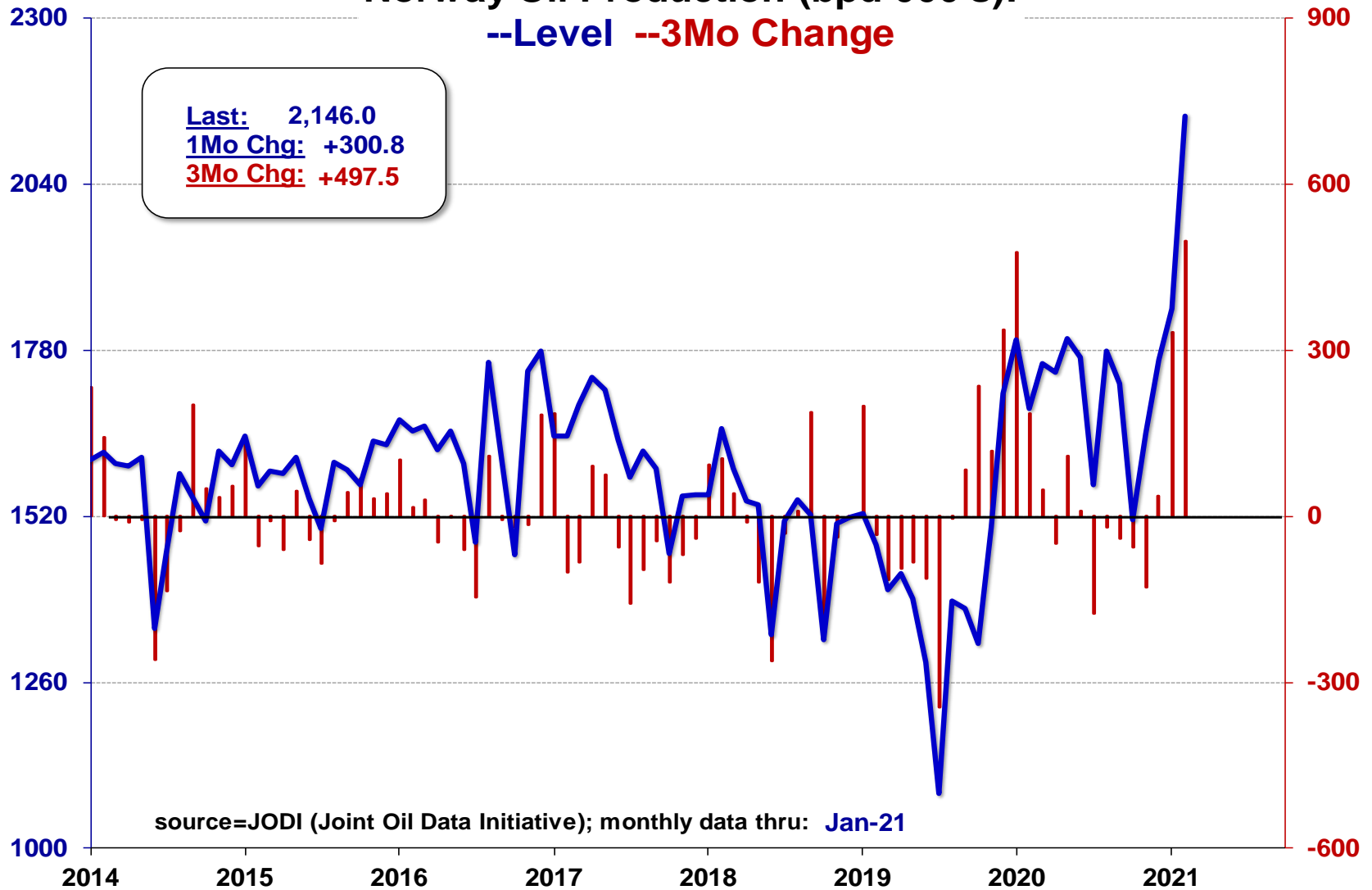
# Angola Oil Production (bpd 000's):

--Level --3Mo Change



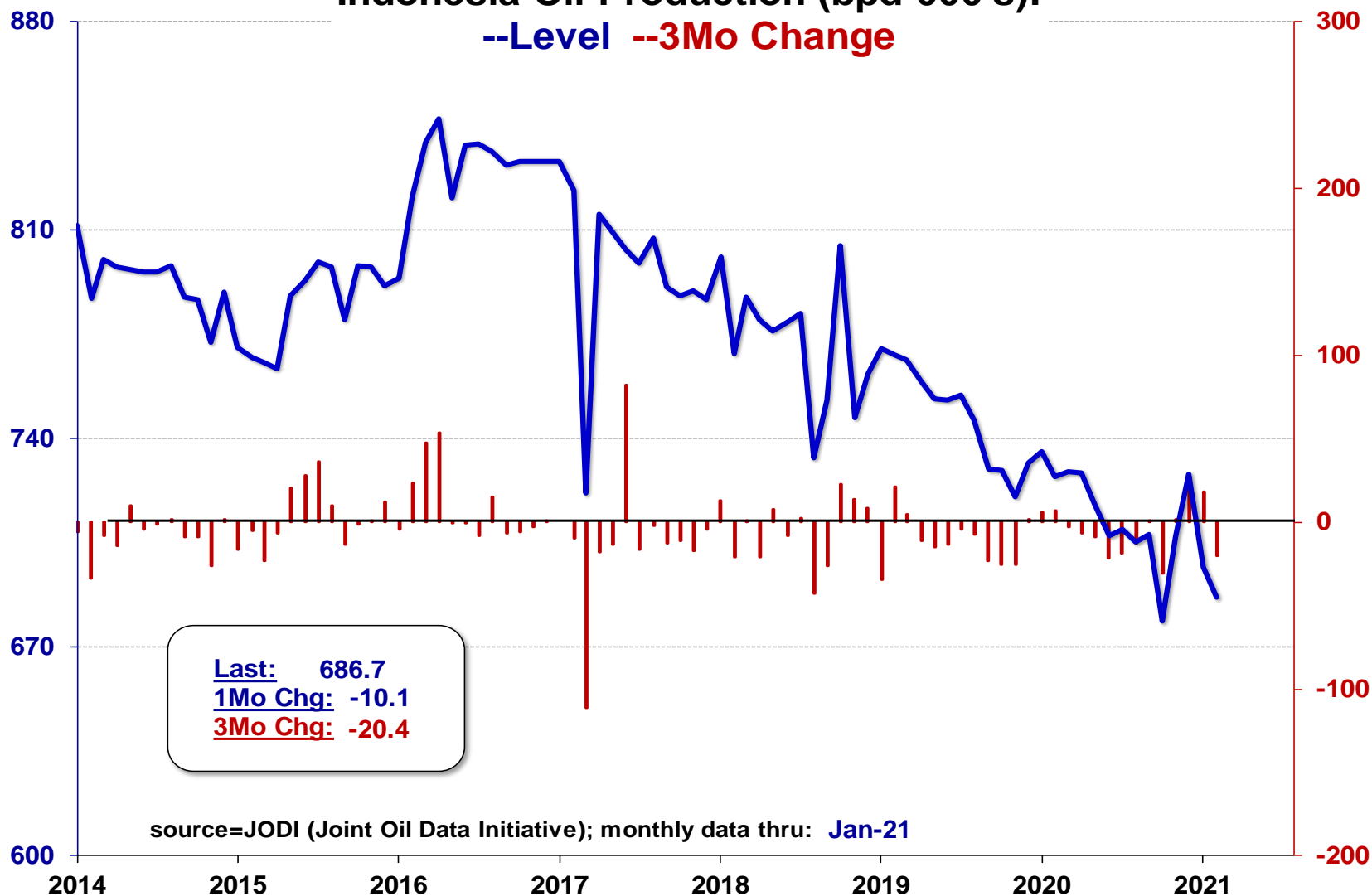
# Norway Oil Production (bpd 000's):

--Level --3Mo Change



# Indonesia Oil Production (bpd 000's):

--Level --3Mo Change

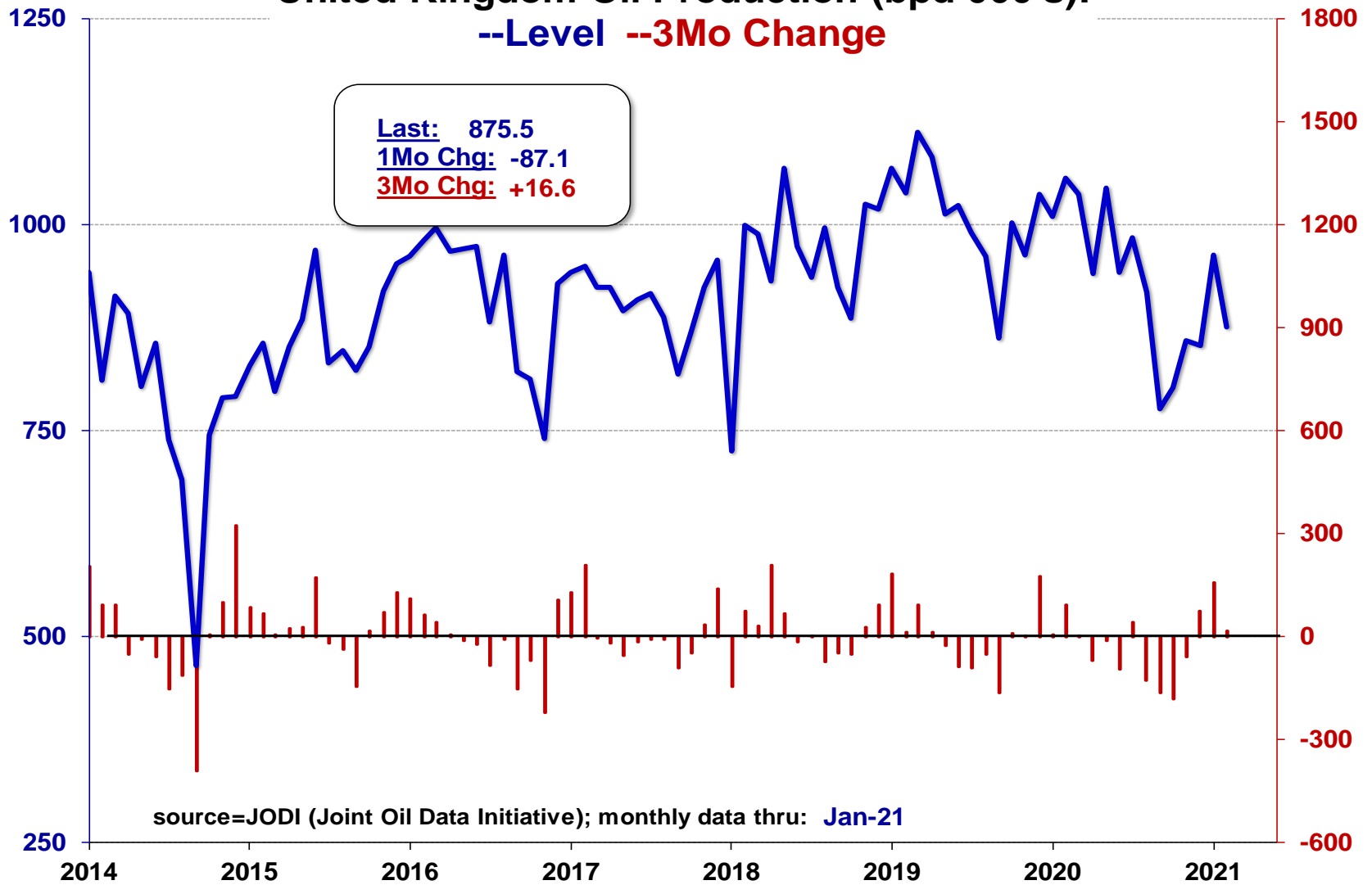


**Last:** 686.7  
**1Mo Chg:** -10.1  
**3Mo Chg:** -20.4

source=JODI (Joint Oil Data Initiative); monthly data thru: Jan-21

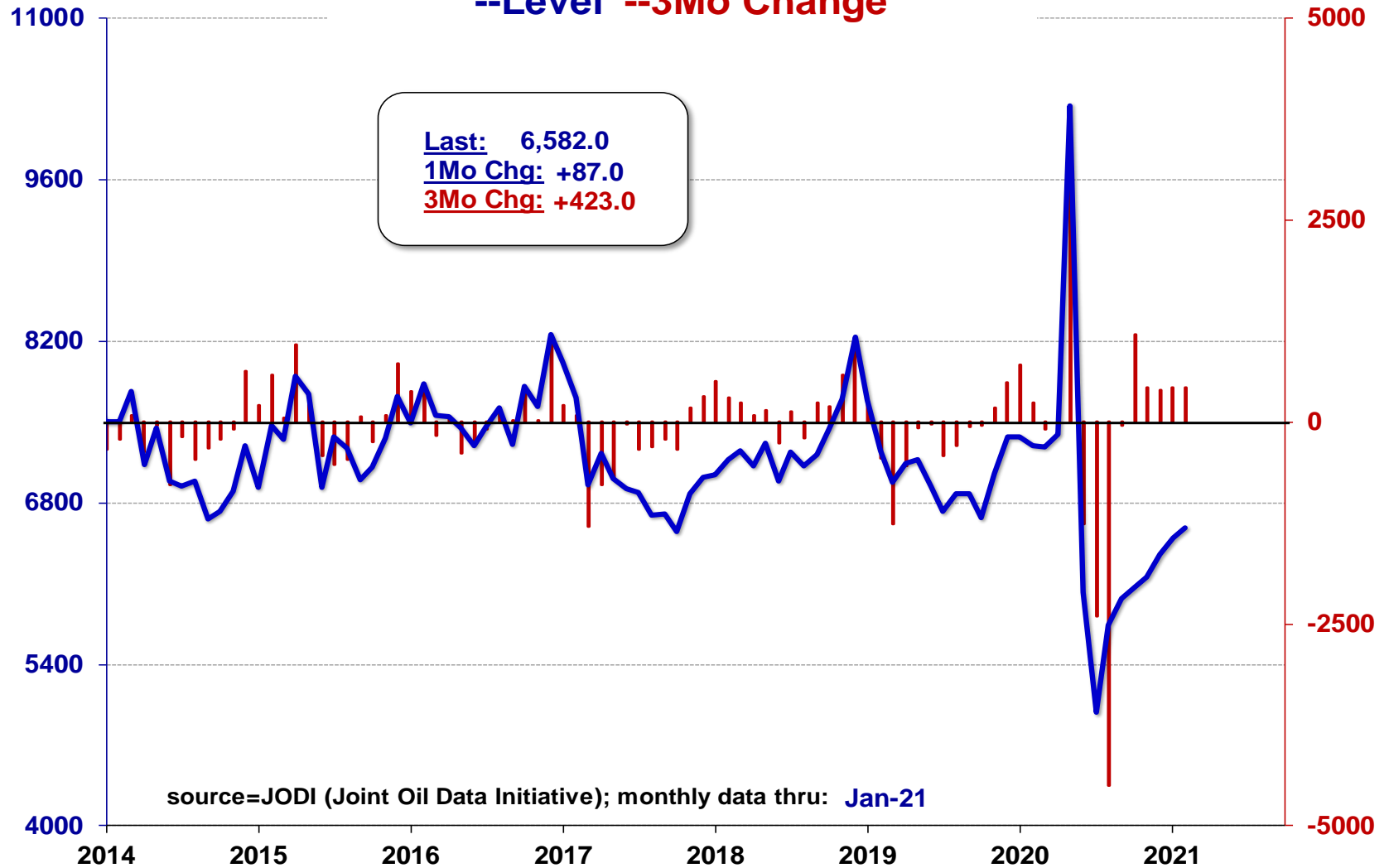
# United Kingdom Oil Production (bpd 000's):

--Level --3Mo Change



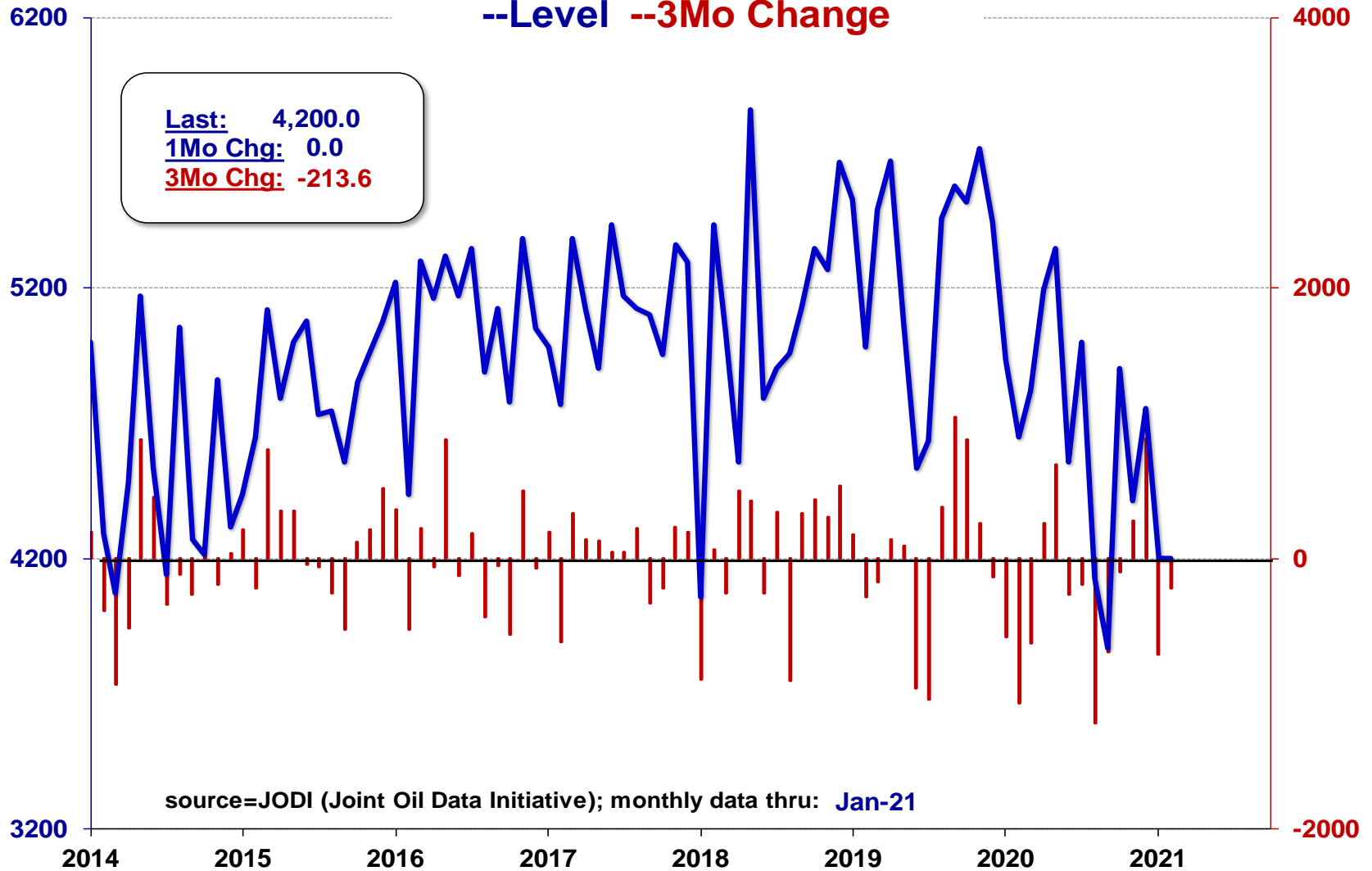
# Saudi Arabia Oil Exports (bpd 000's):

--Level --3Mo Change



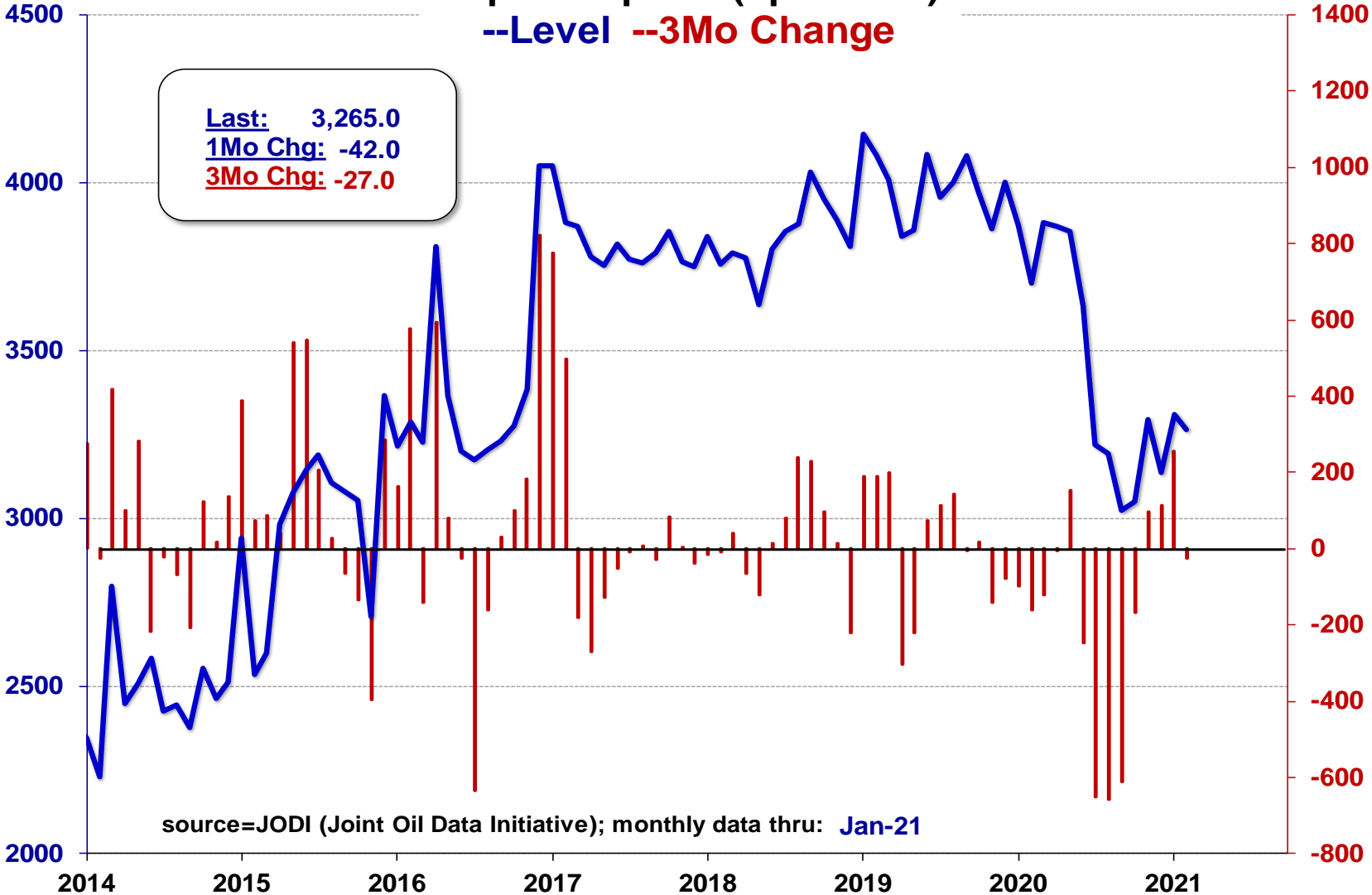
# Russia Oil Exports (bpd 000's):

--Level --3Mo Change



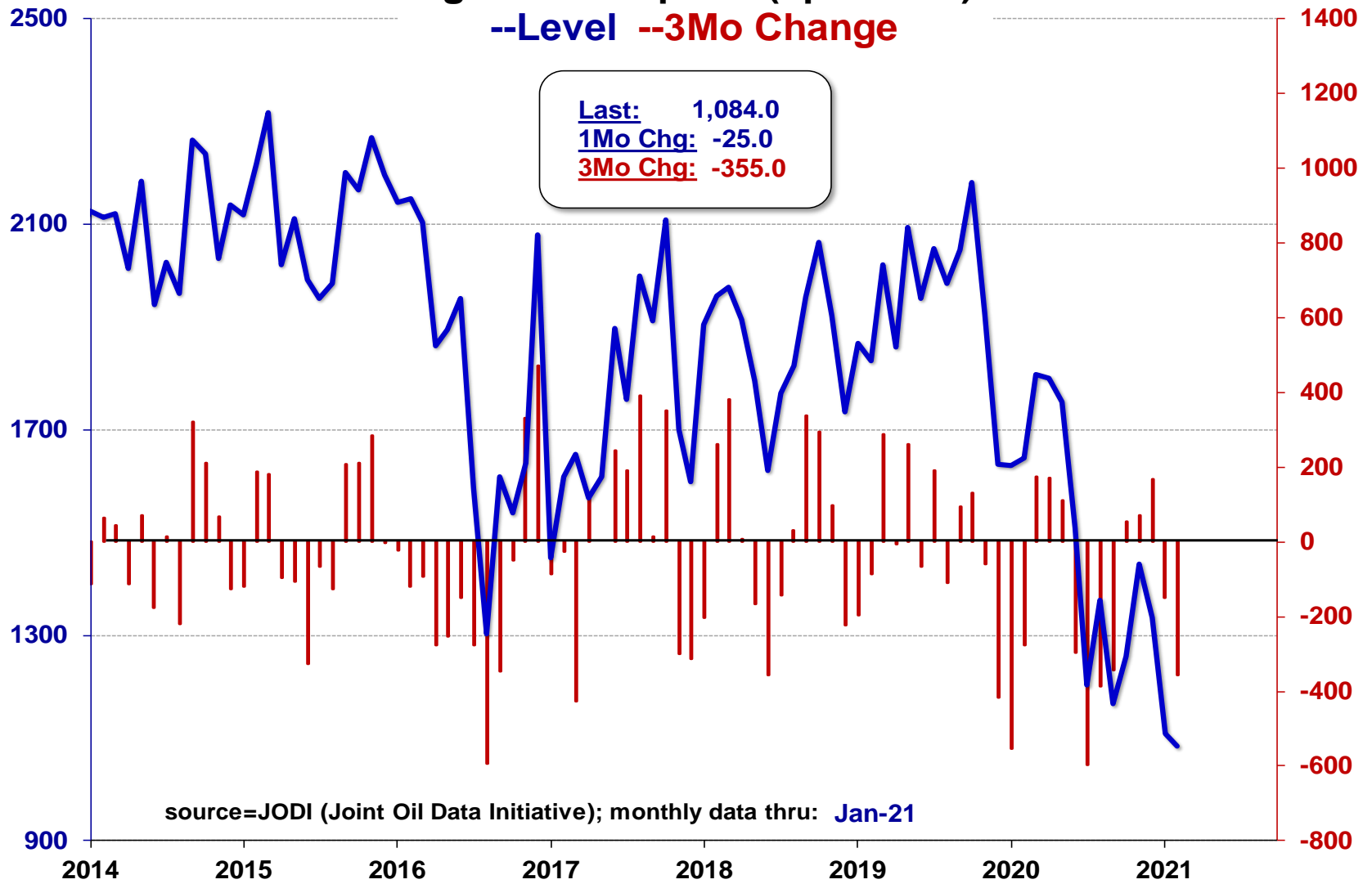
# Iraq Oil Exports (bpd 000's):

--Level --3Mo Change



# Nigeria Oil Exports (bpd 000's):

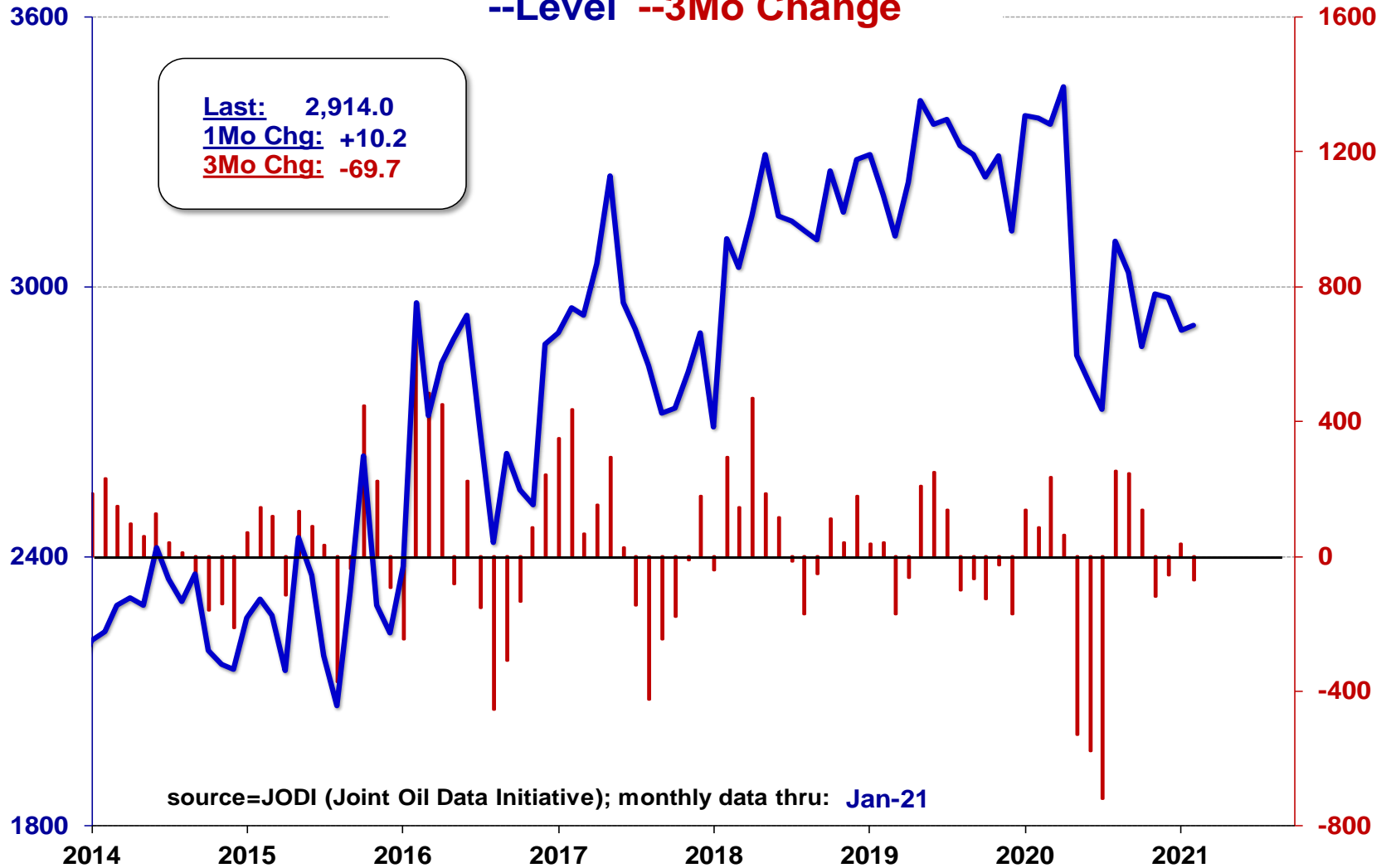
--Level --3Mo Change





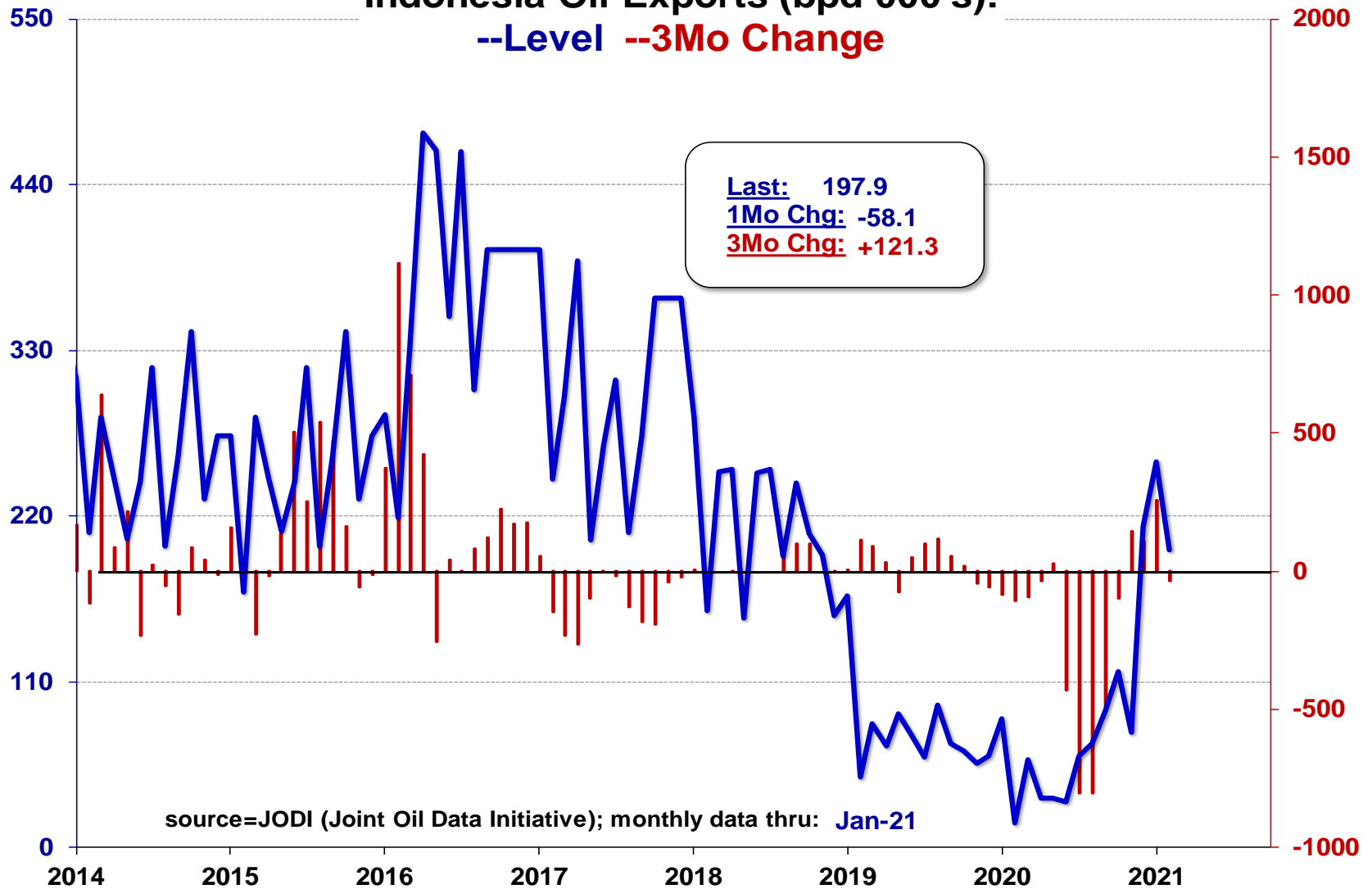
# Canada Oil Exports (bpd 000's):

--Level --3Mo Change



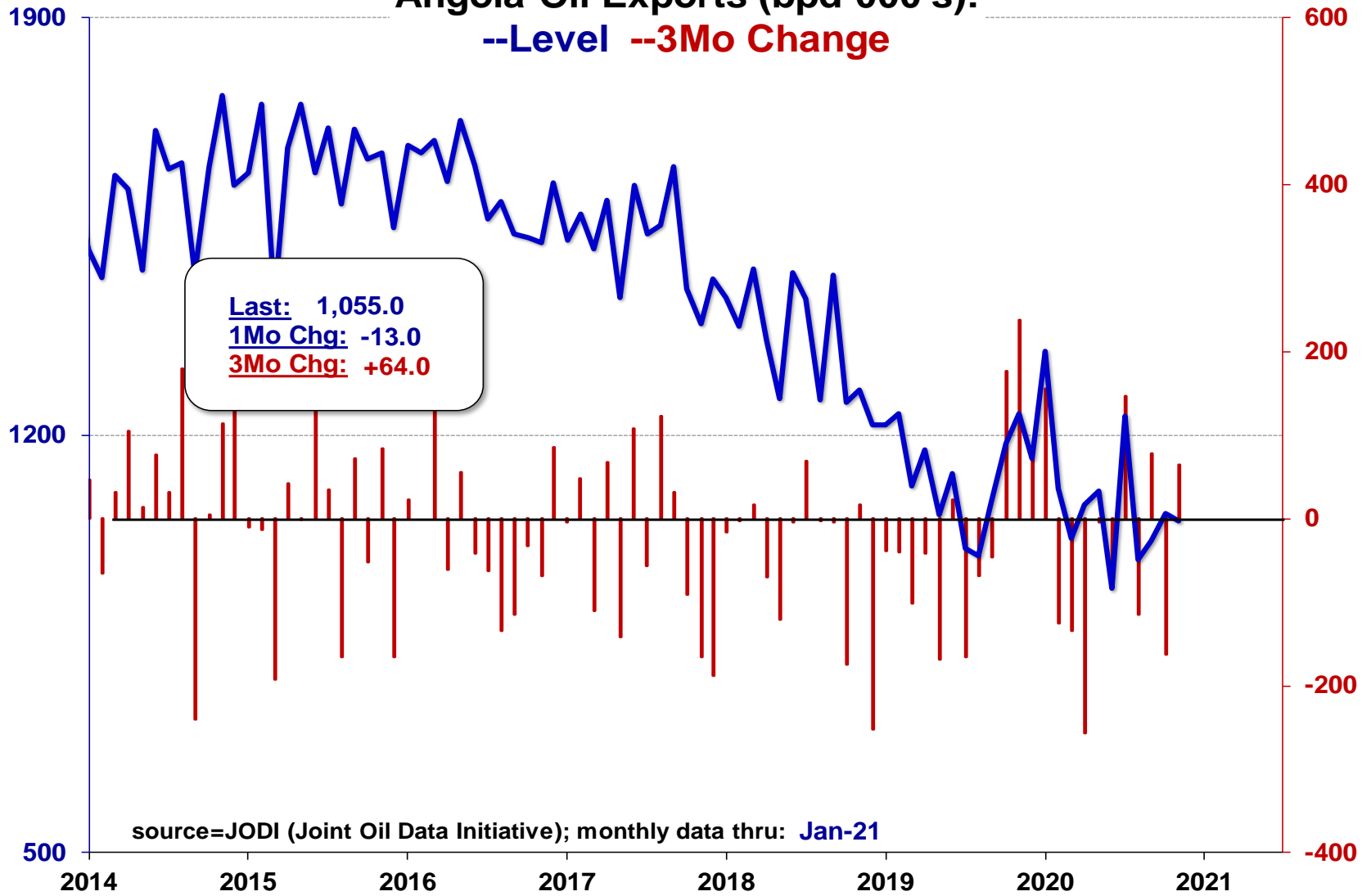
# Indonesia Oil Exports (bpd 000's):

--Level --3Mo Change



# Angola Oil Exports (bpd 000's):

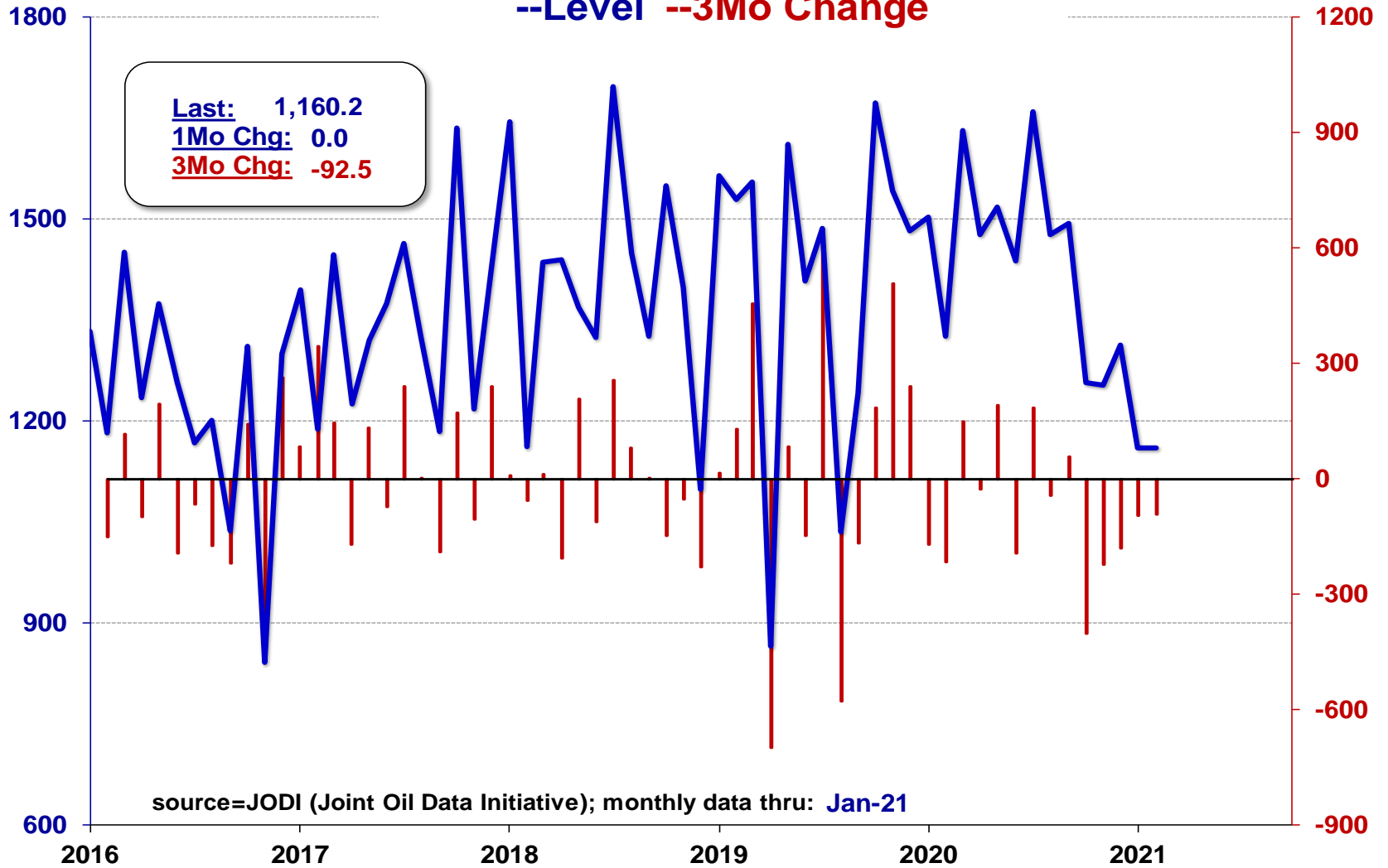
--Level --3Mo Change



source=JODI (Joint Oil Data Initiative); monthly data thru: Jan-21

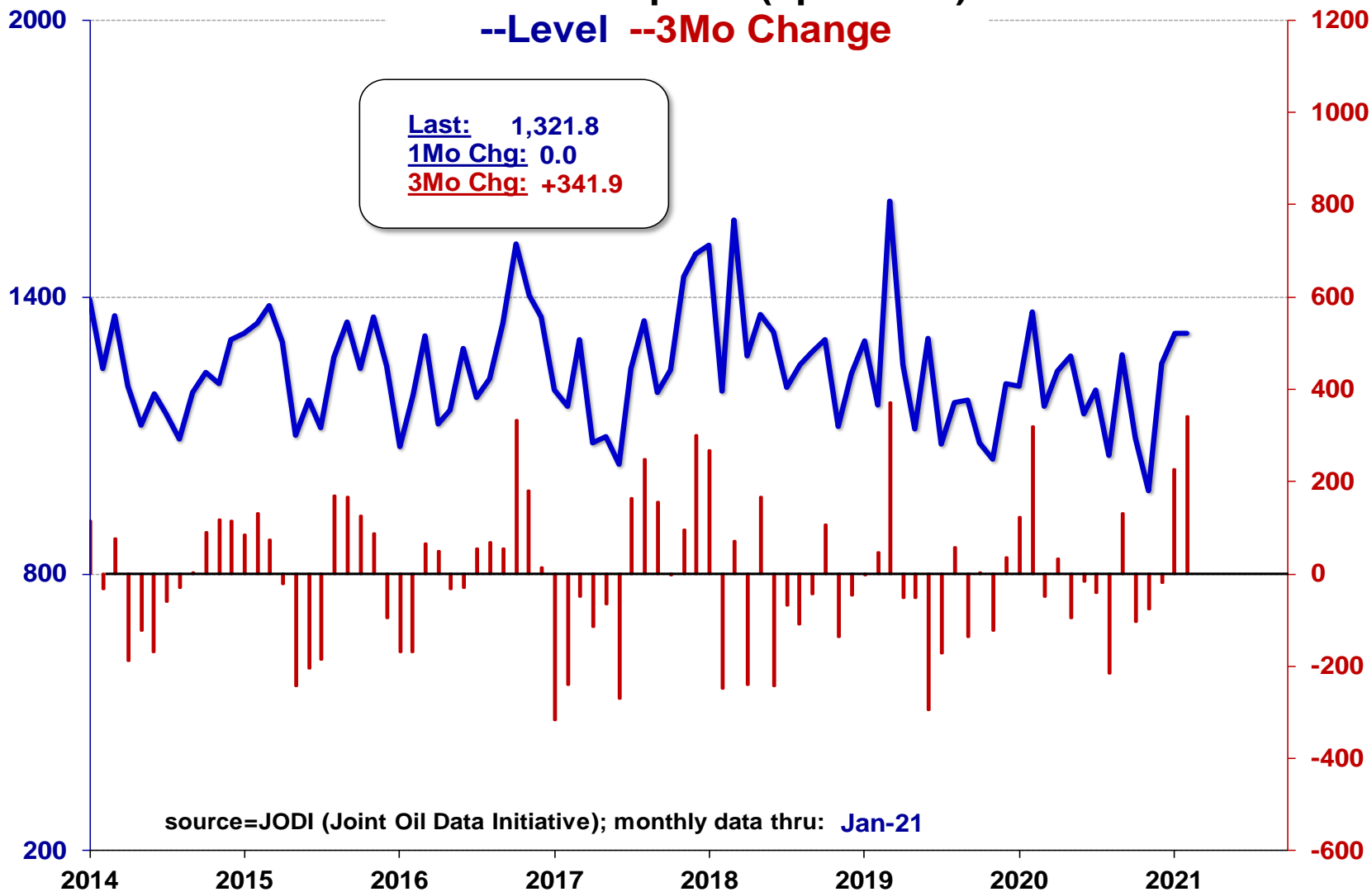
# Kazakhstan Oil Exports (bpd 000's):

--Level --3Mo Change



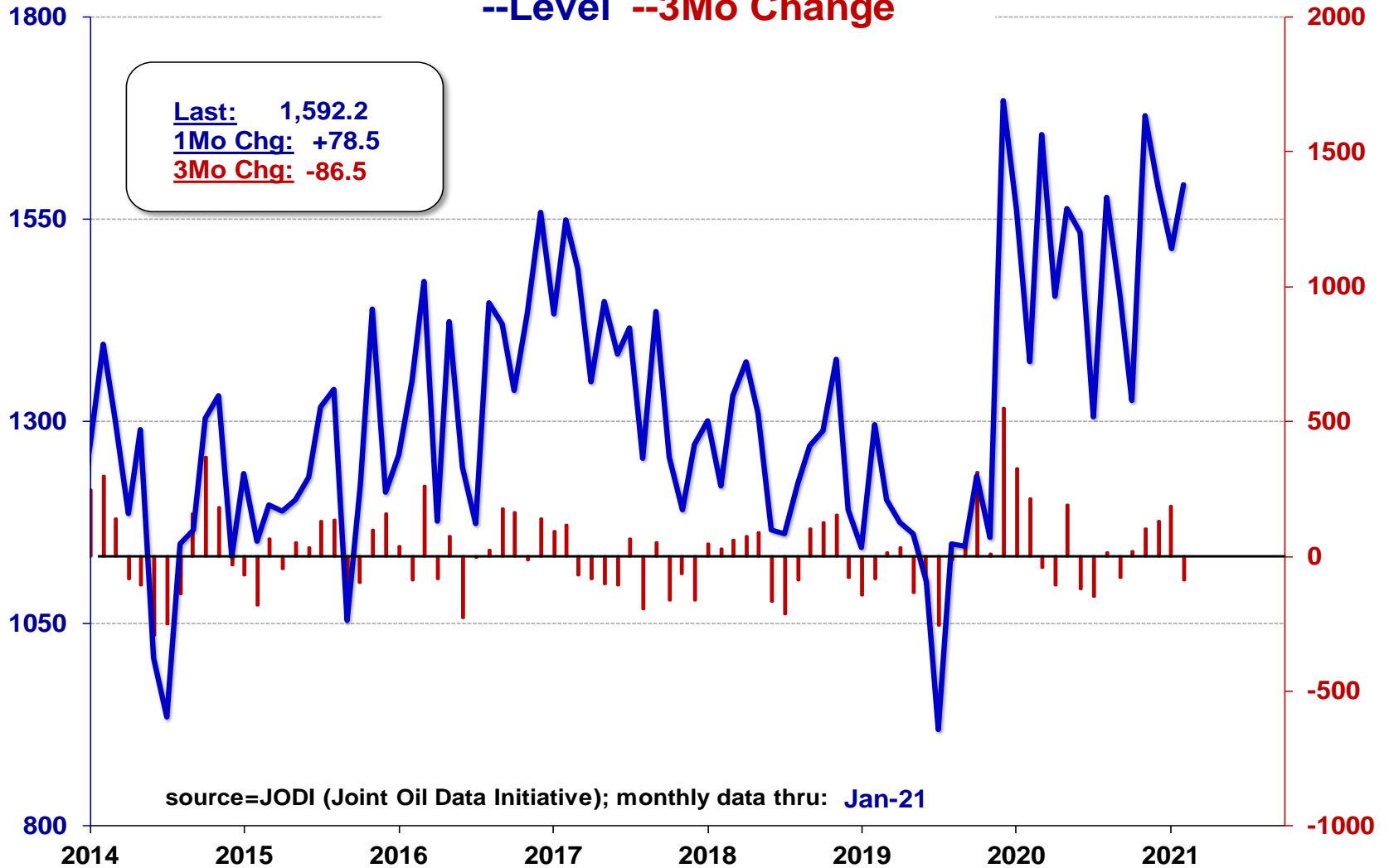
# Mexico Oil Exports (bpd 000's):

--Level --3Mo Change



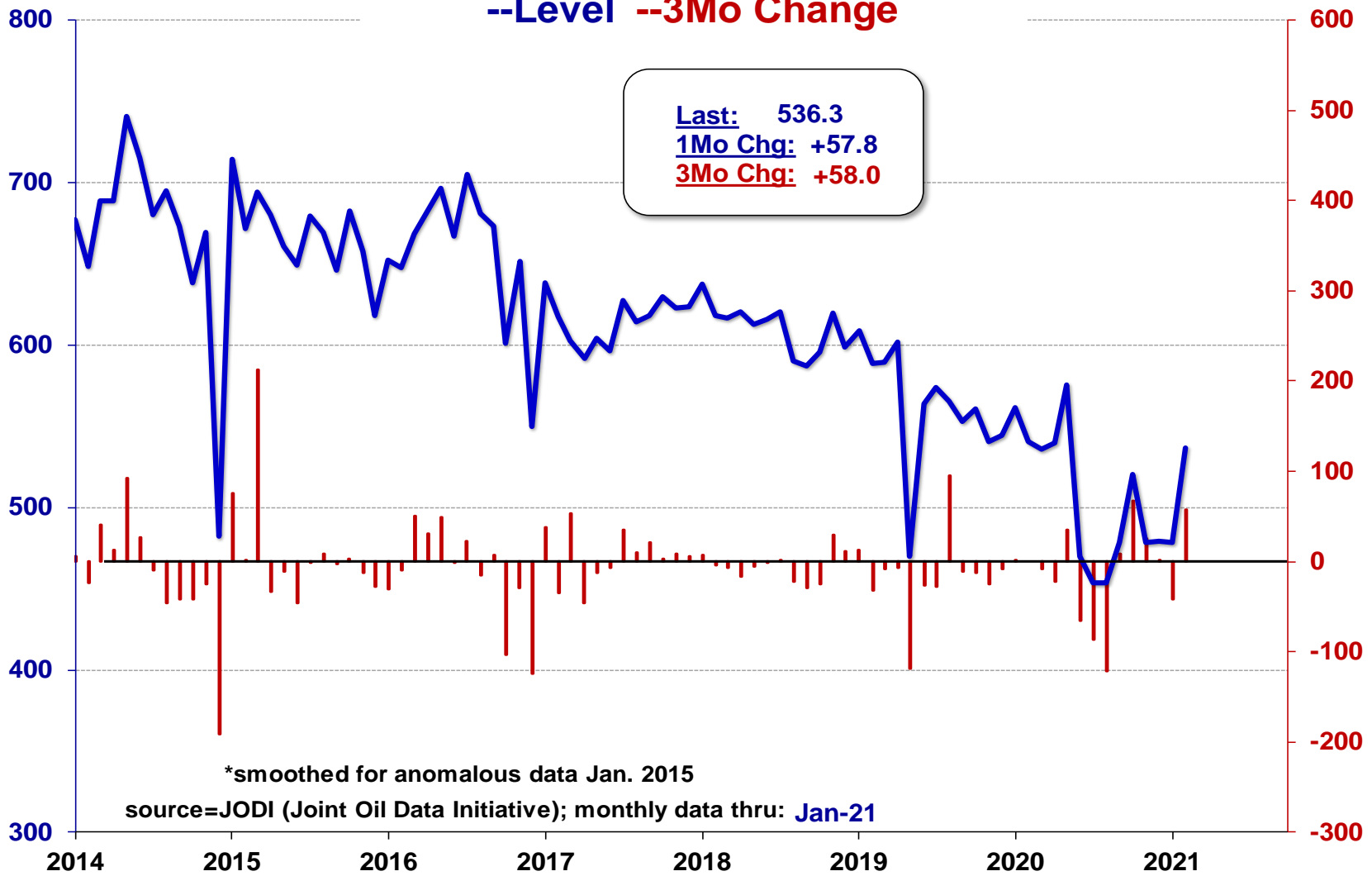
# Norway Oil Exports (bpd 000's):

--Level --3Mo Change



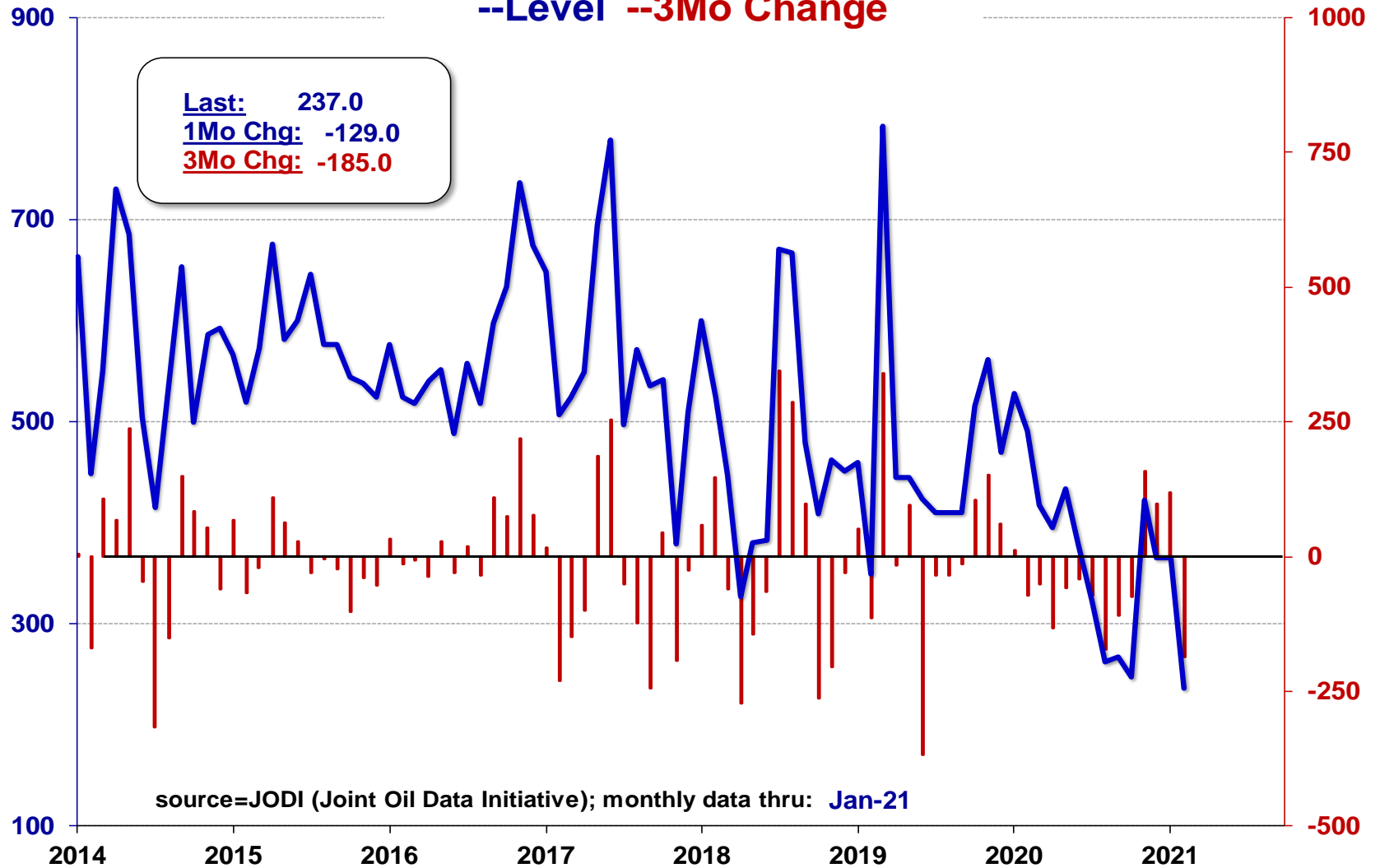
# Azerbaijan Oil Exports (bpd 000's):

--Level --3Mo Change



# Algeria Oil Exports (bpd 000's):

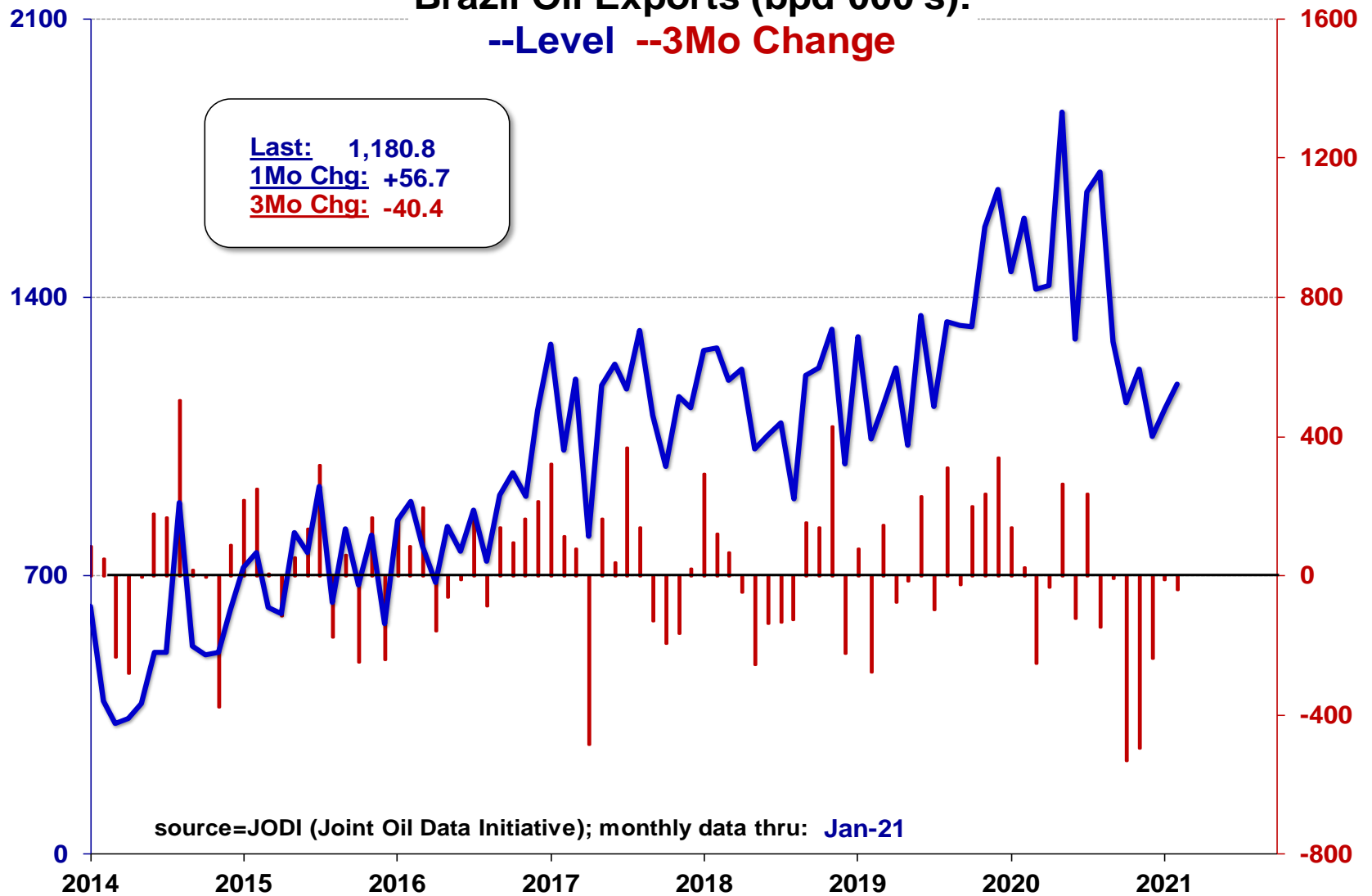
--Level --3Mo Change





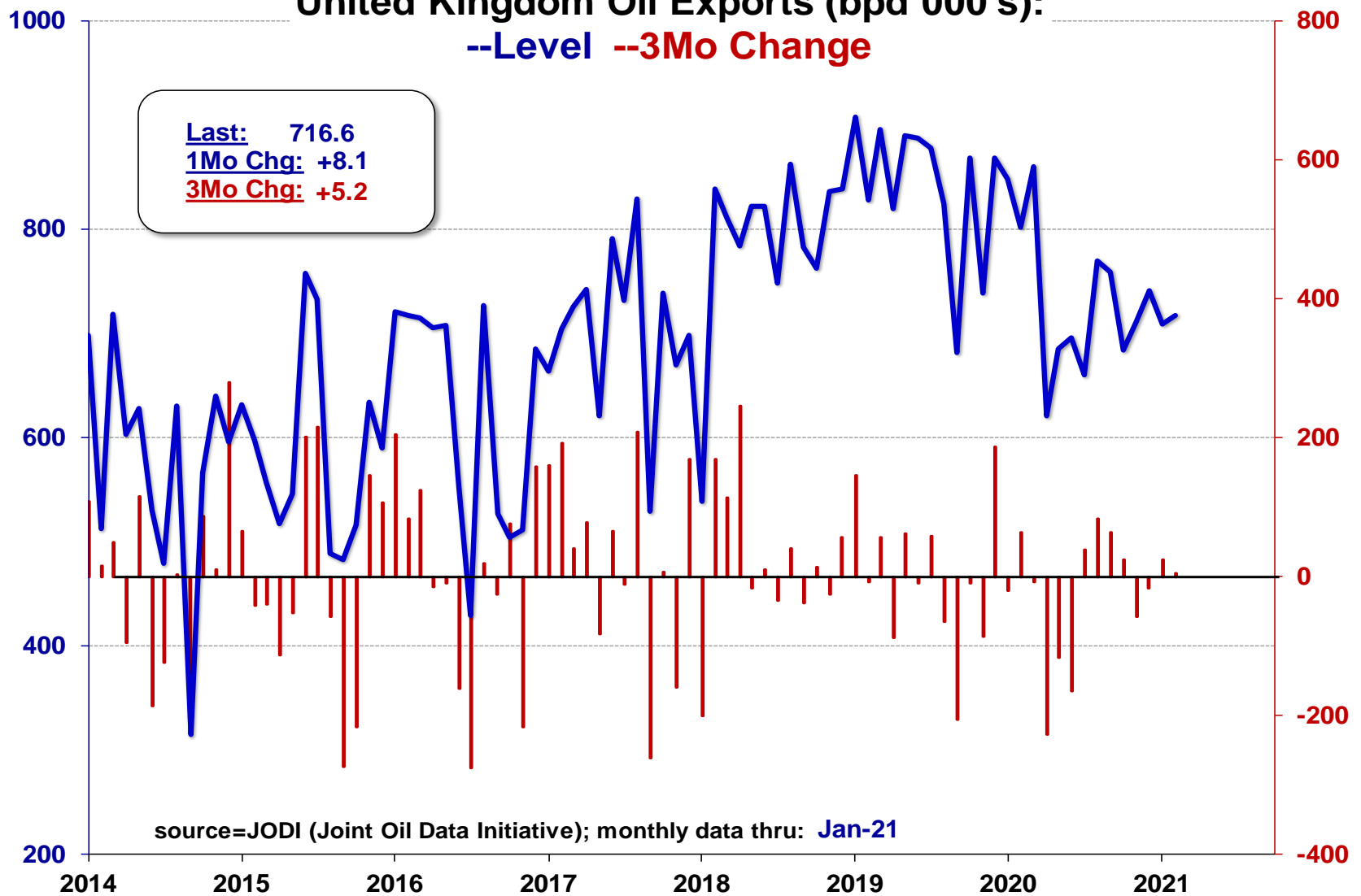
# Brazil Oil Exports (bpd 000's):

--Level --3Mo Change



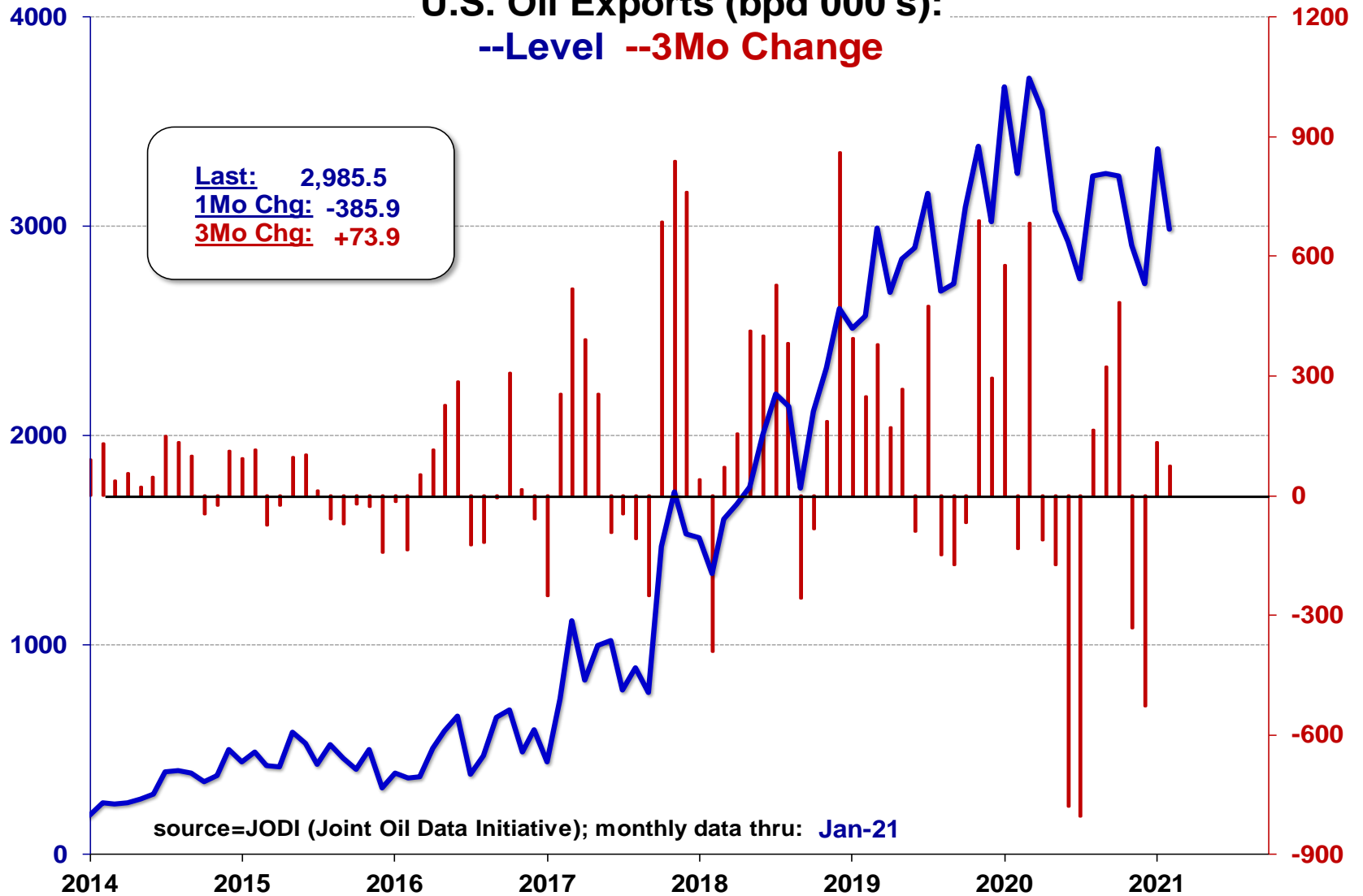
# United Kingdom Oil Exports (bpd 000's):

--Level --3Mo Change



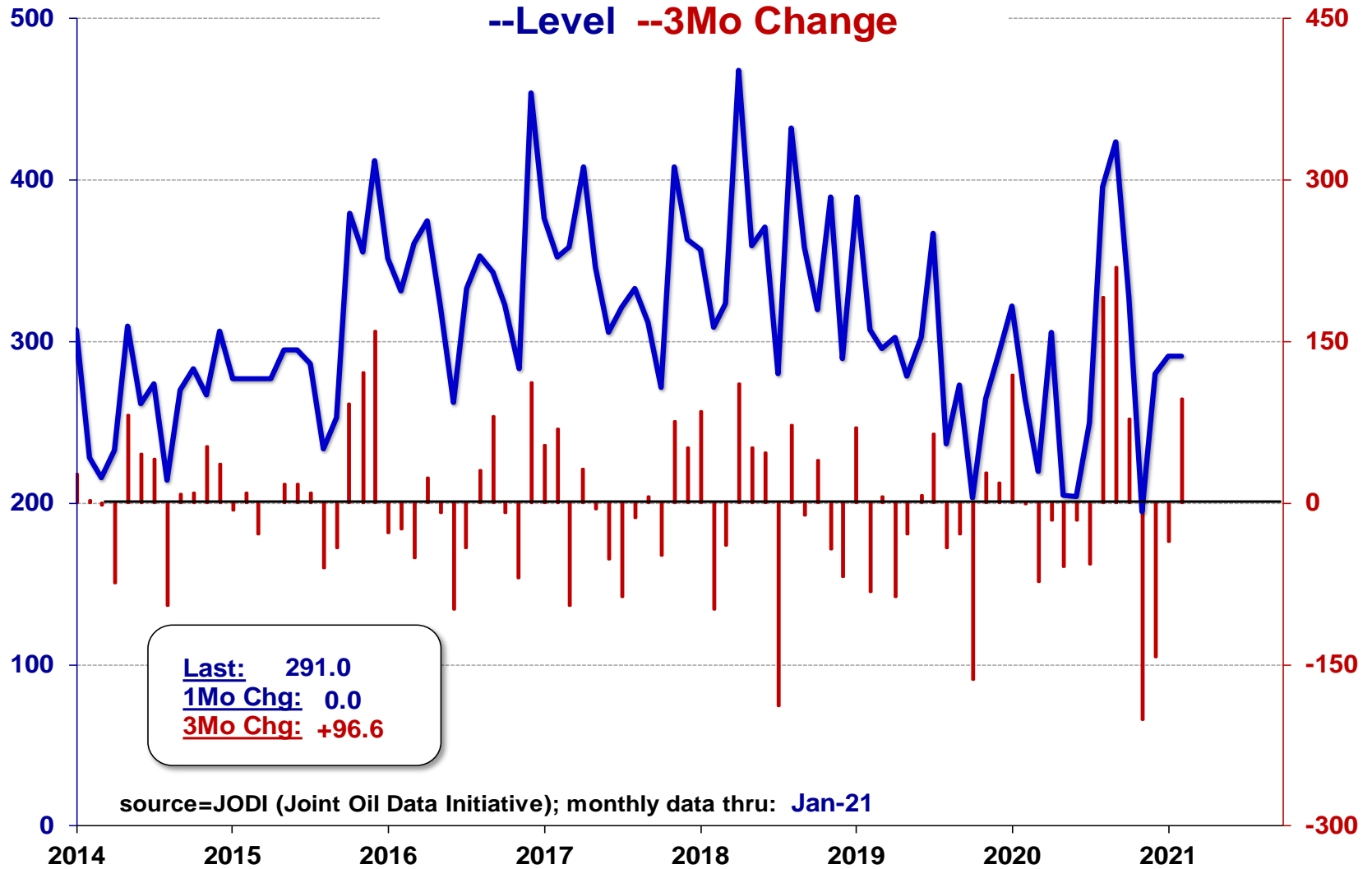
# U.S. Oil Exports (bpd 000's):

--Level --3Mo Change

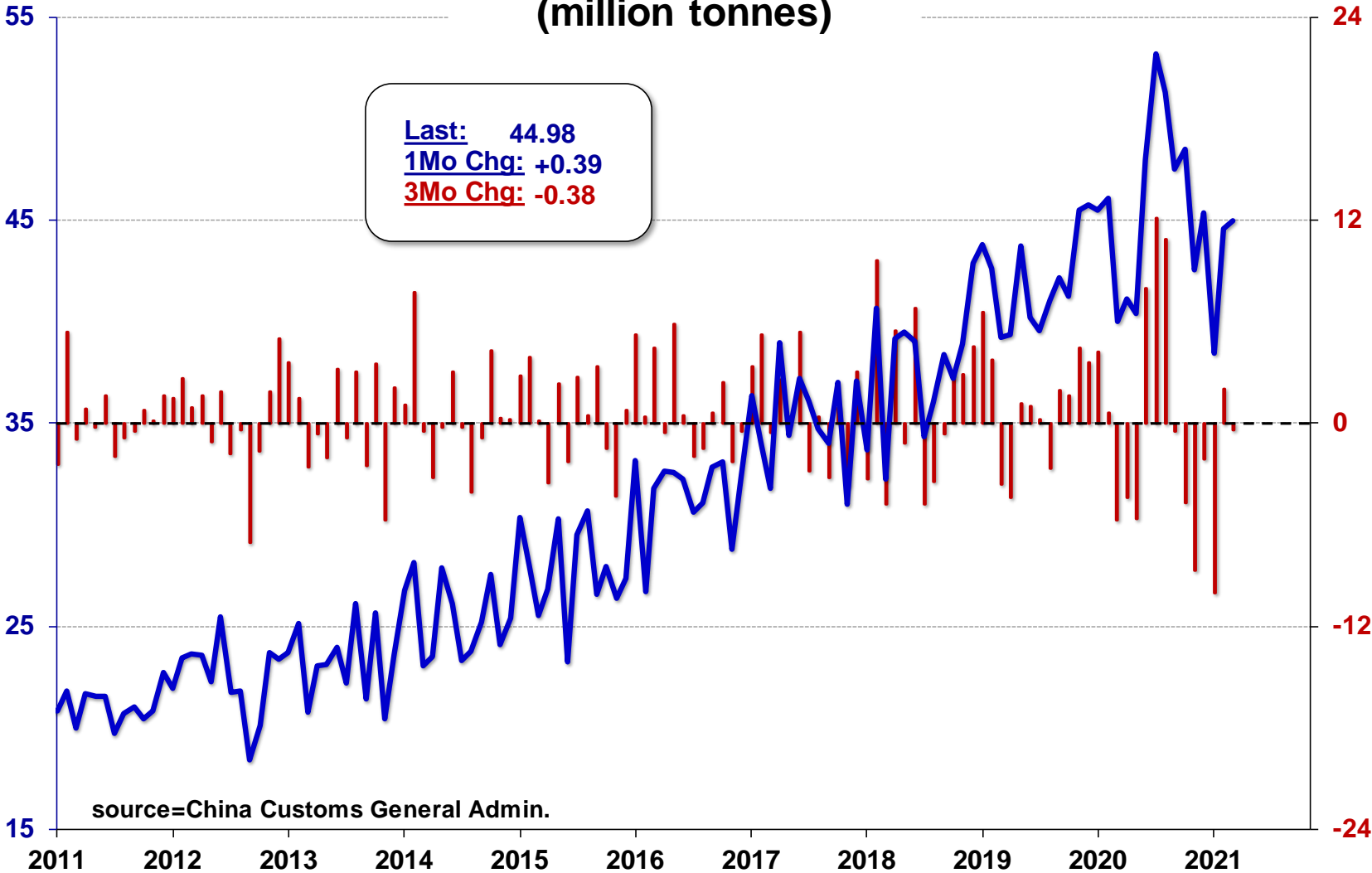


# Malaysia Oil Exports (bpd 000's):

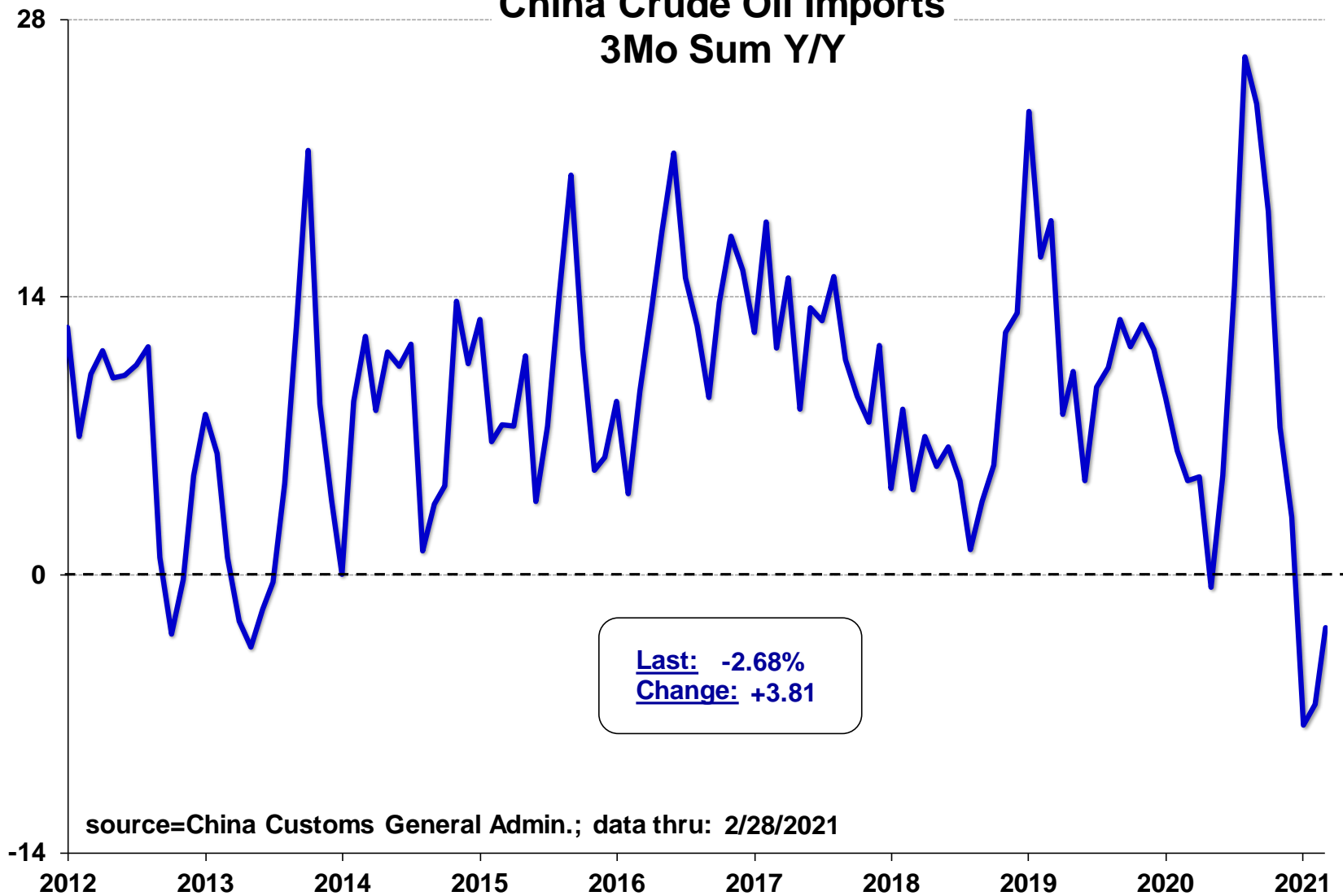
--Level --3Mo Change



# China Crude Oil Imports (million tonnes)

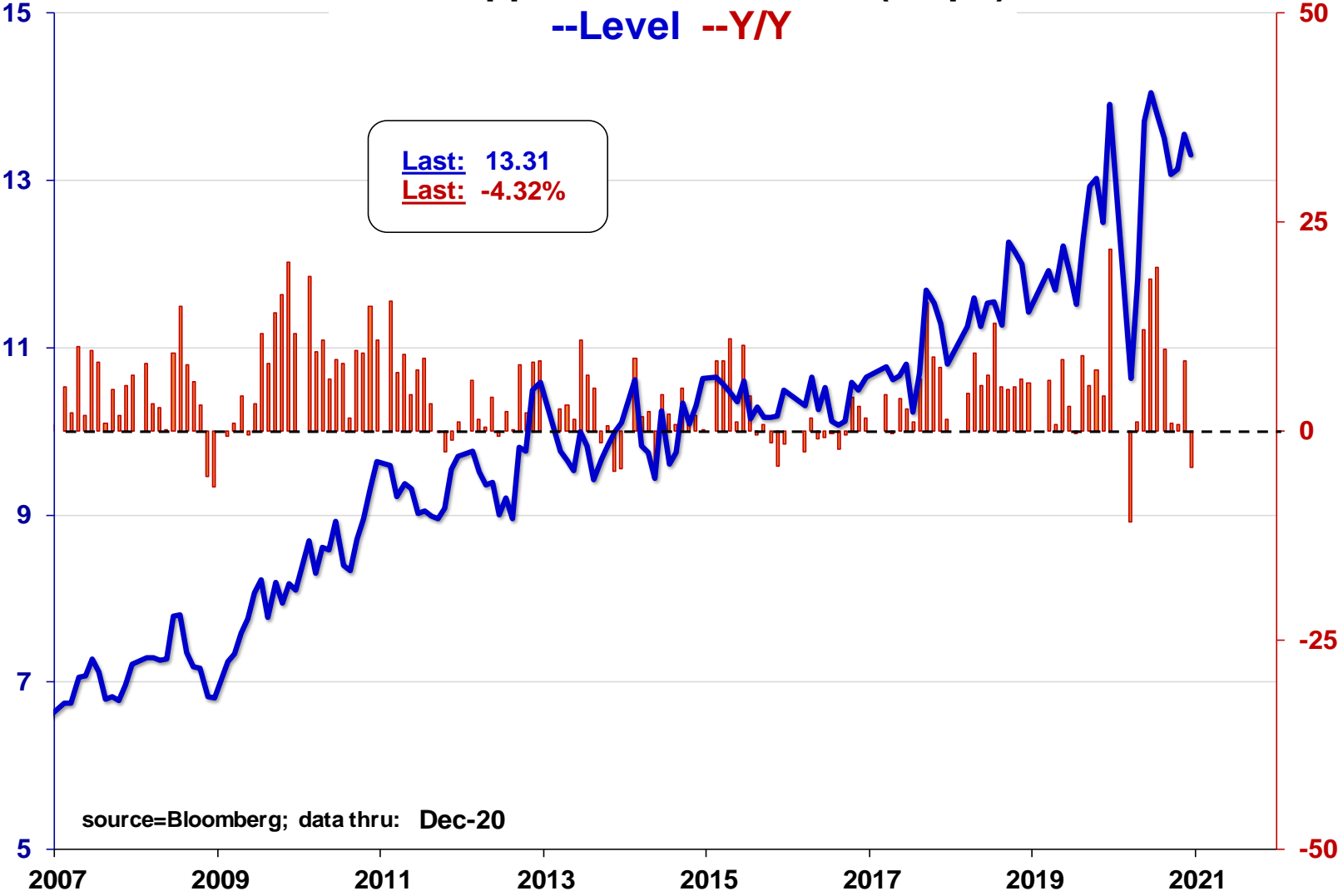


# China Crude Oil Imports 3Mo Sum Y/Y



# China Apparent Oil Demand (mbpd)

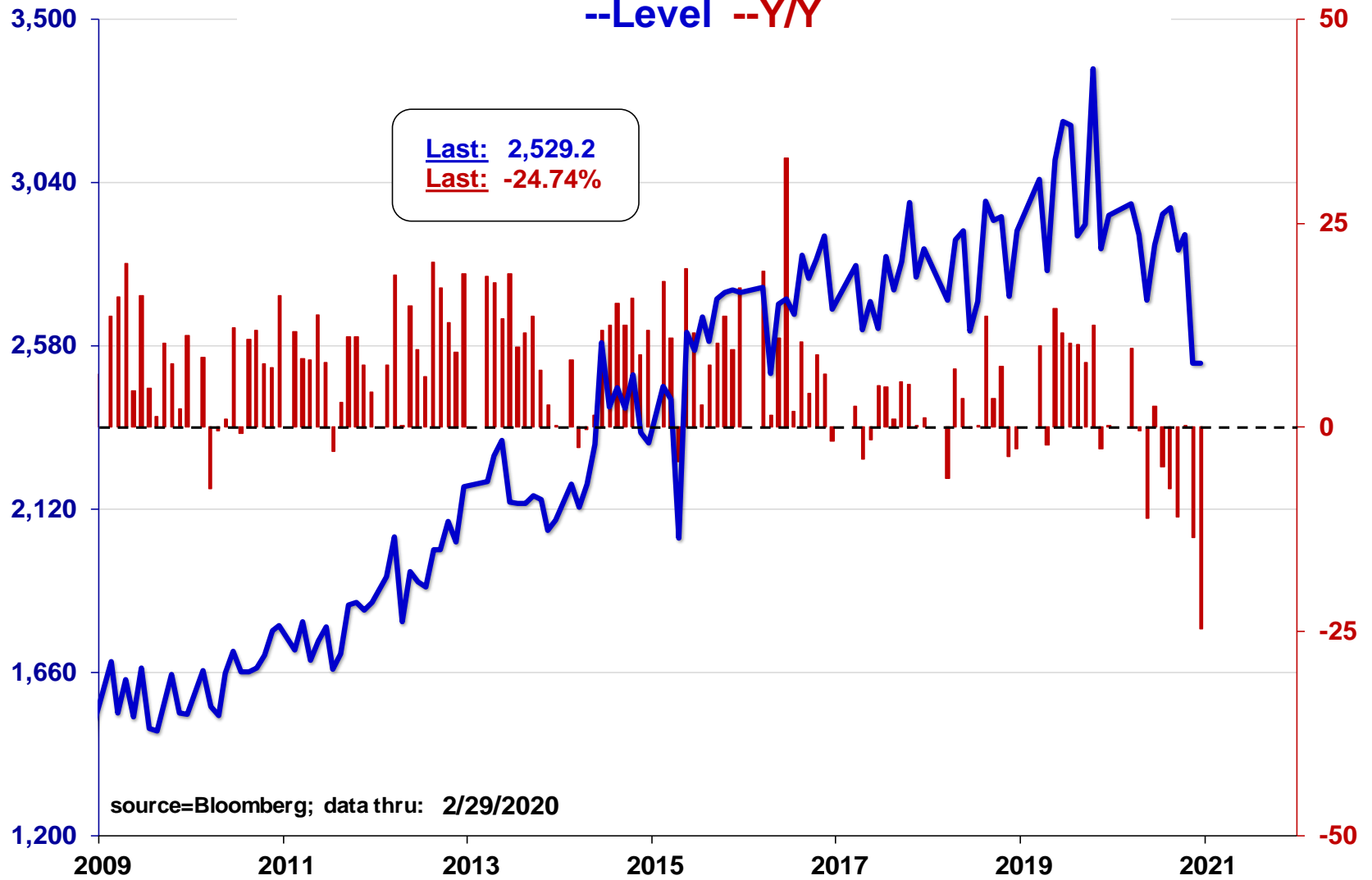
--Level --Y/Y



source=Bloomberg; data thru: Dec-20

# China Monthly Gasoline Consumption (bpd 000s)

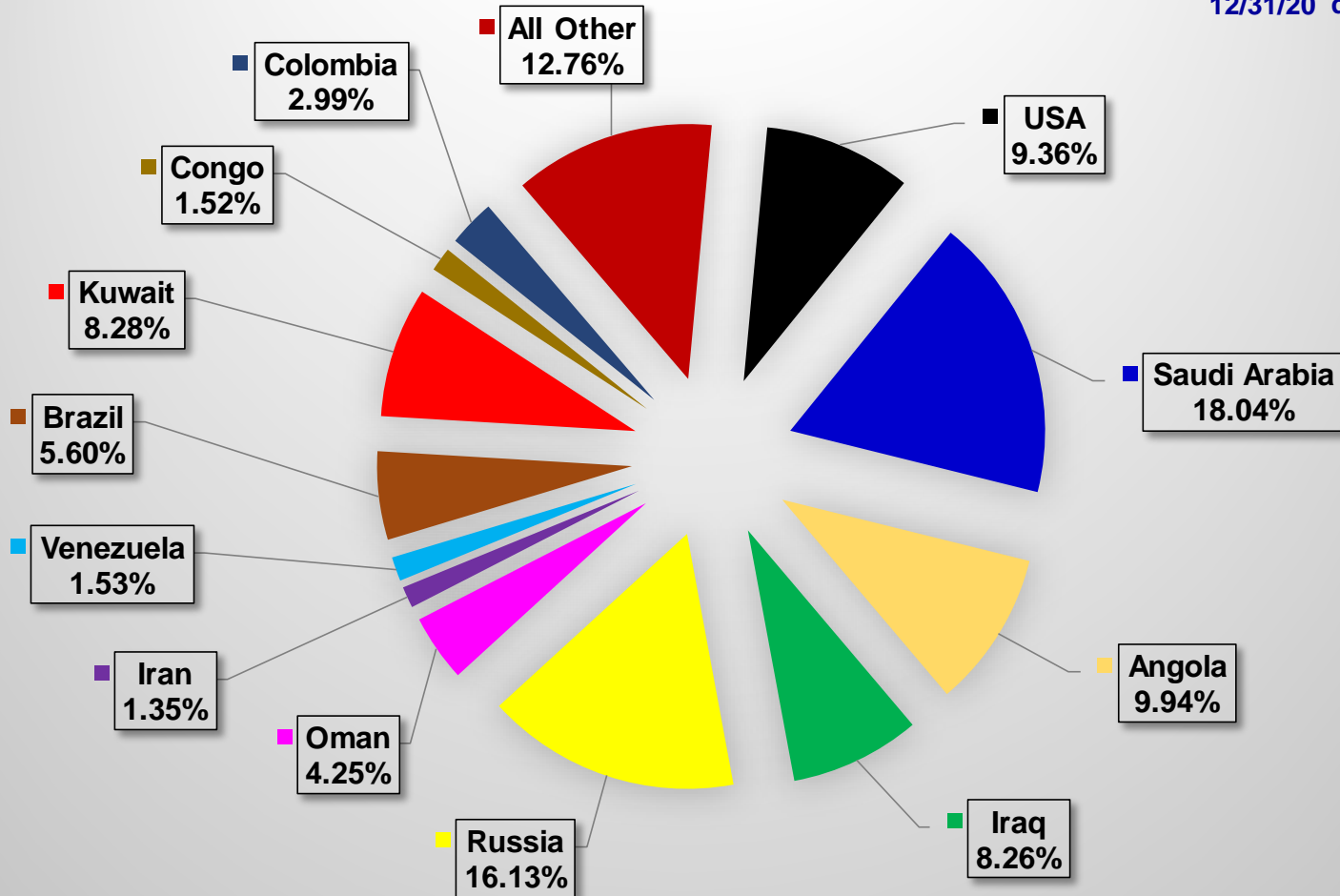
--Level --Y/Y





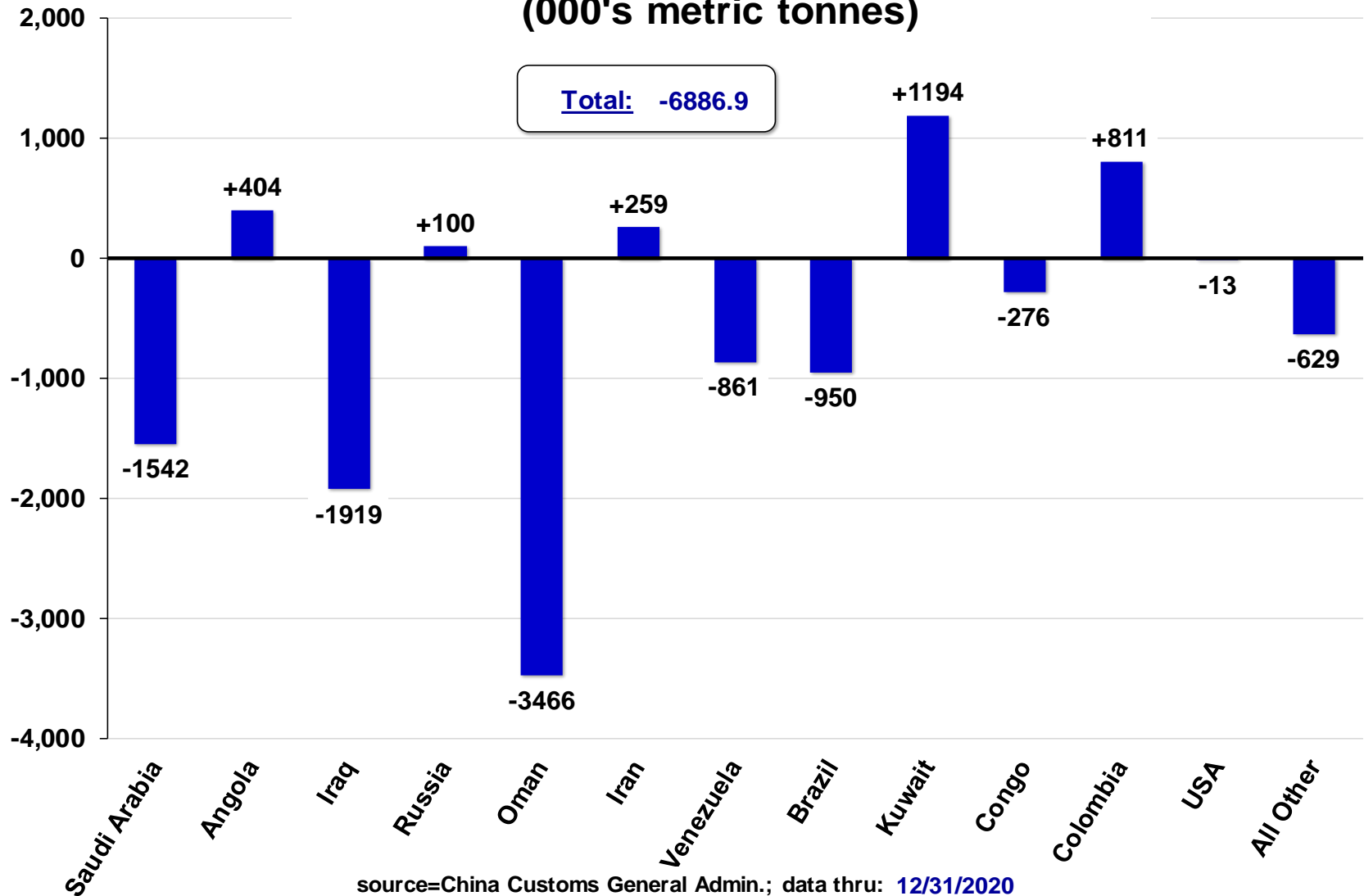
# China Crude Oil Imports By Country

12/31/20 data



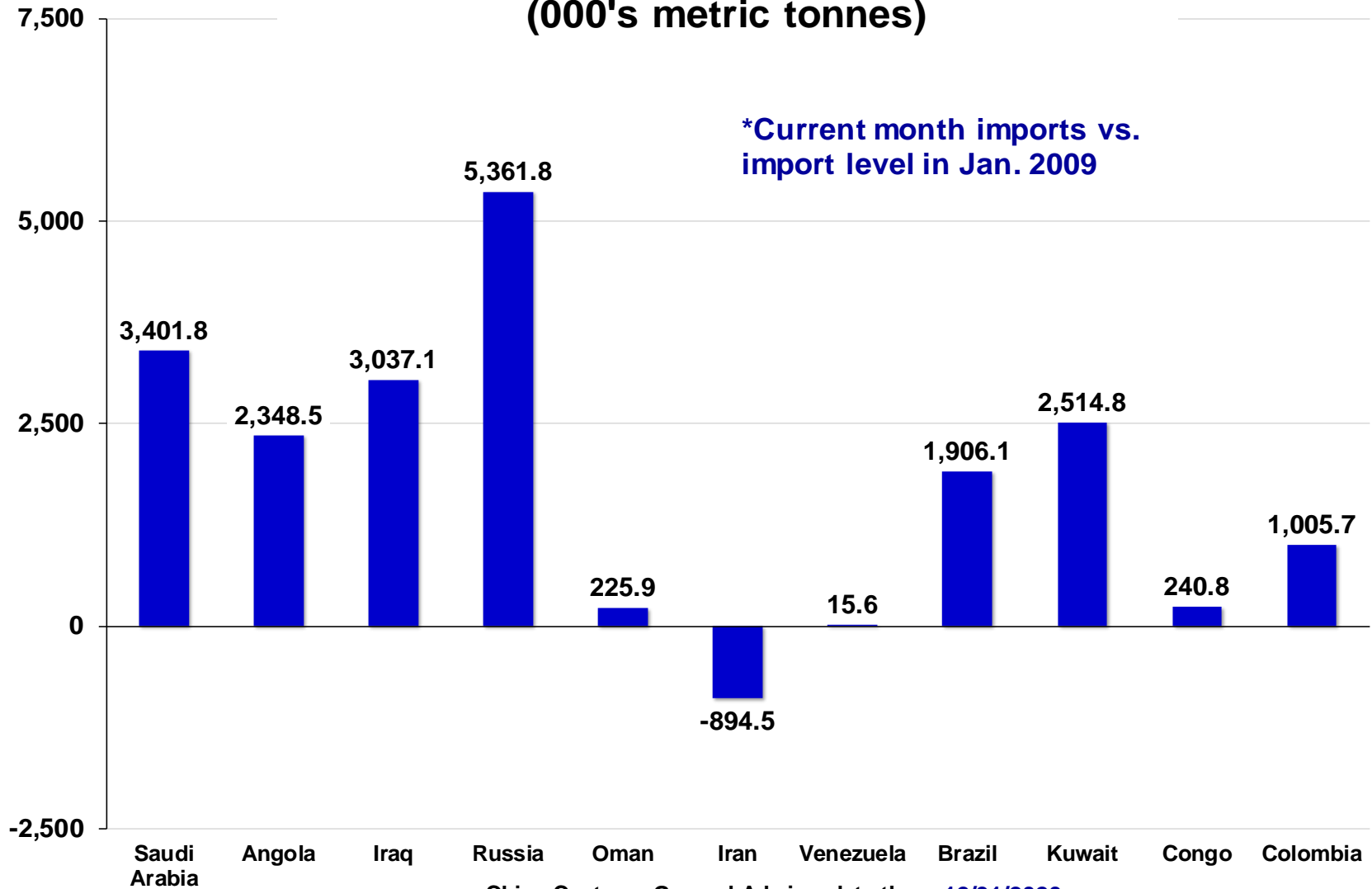
source=China Customs General Admin.

## China: Monthly Change in Crude Oil Imports (000's metric tonnes)



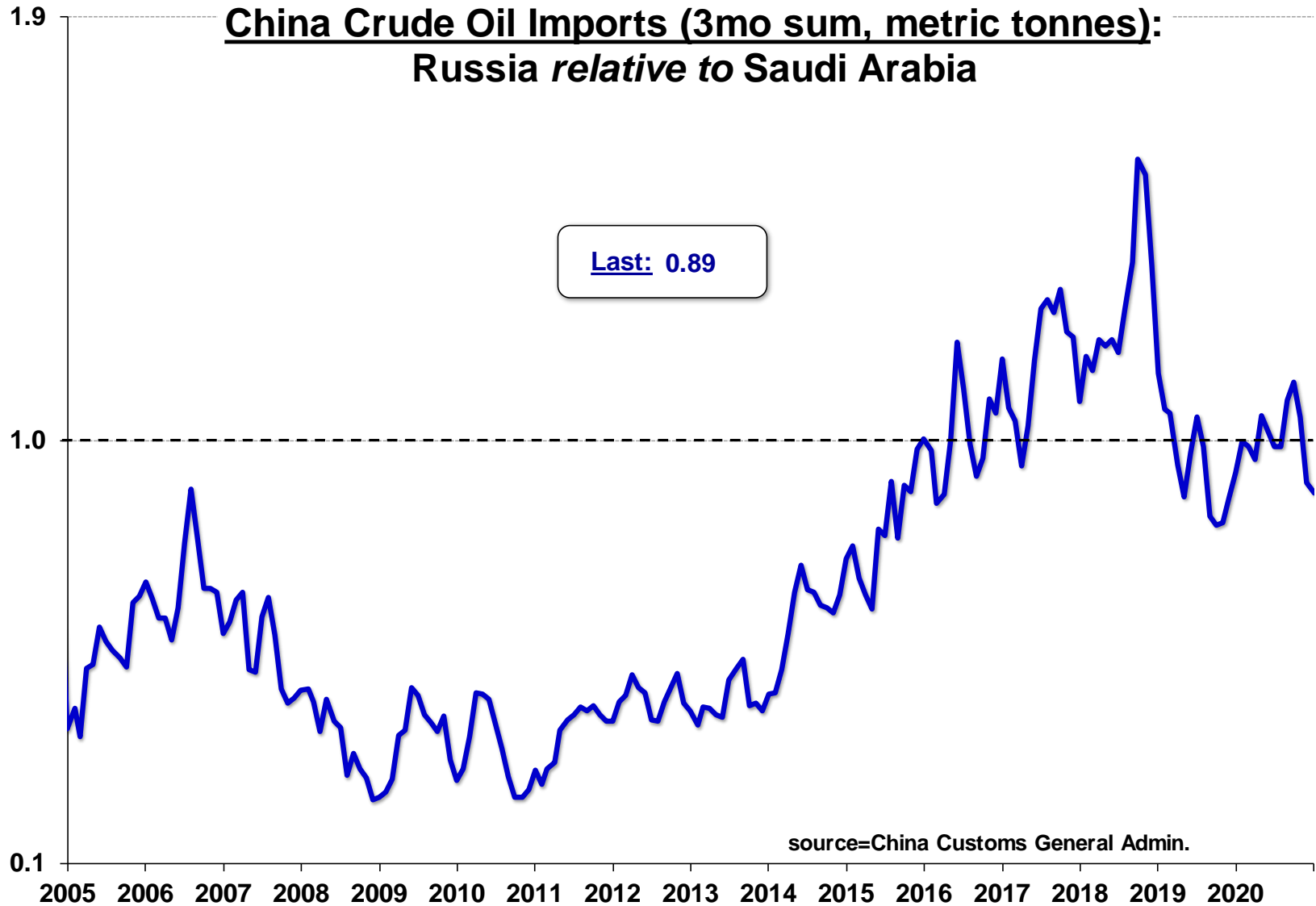
source=China Customs General Admin.; data thru: 12/31/2020

## China: Change in Crude Oil Imports from 2009 (000's metric tonnes)



source=China Customs General Admin.; data thru: 12/31/2020

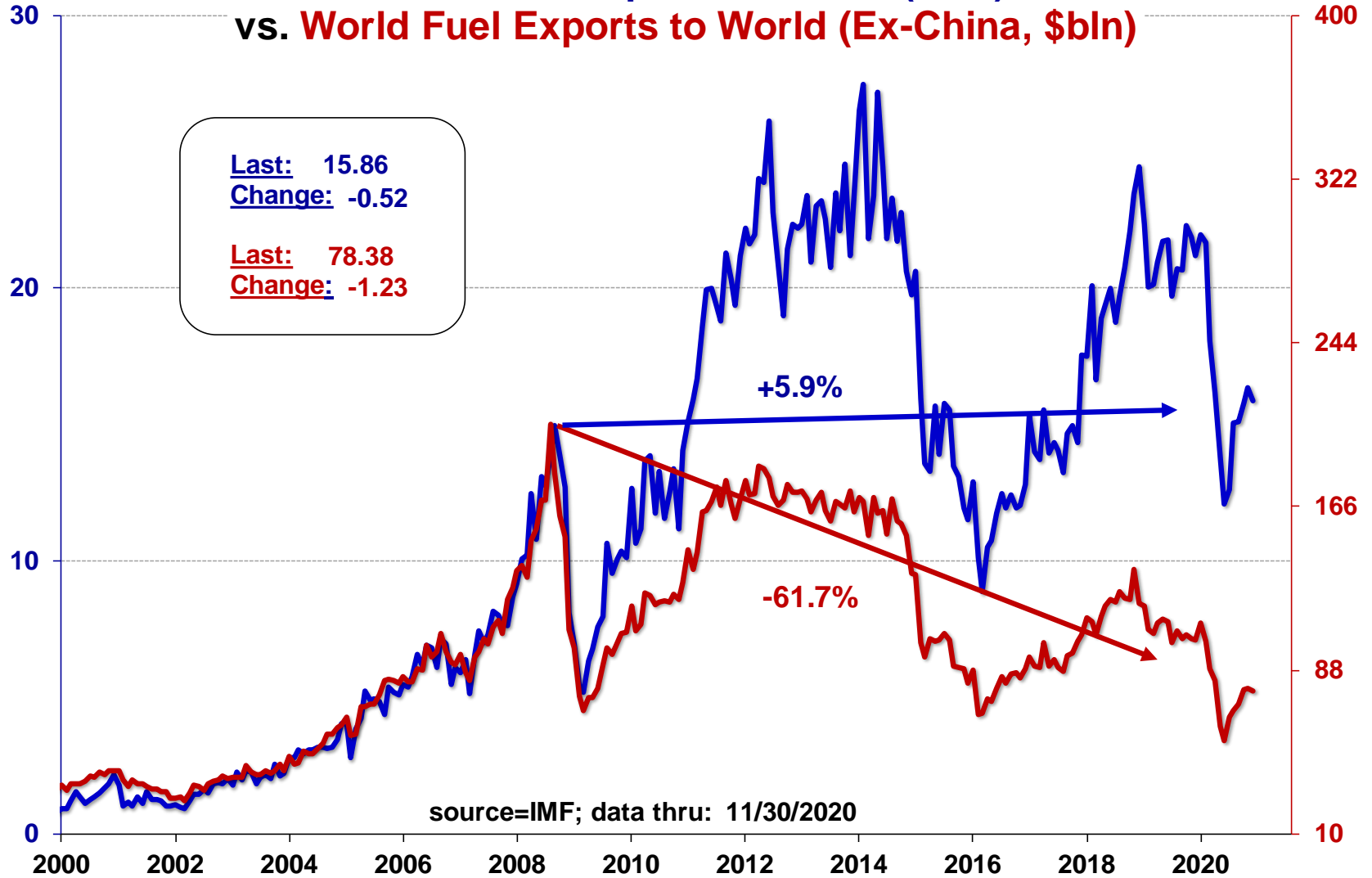
## China Crude Oil Imports (3mo sum, metric tonnes): *Russia relative to Saudi Arabia*



source=China Customs General Admin.

# World Fuel Exports to China (\$bln)

## vs. World Fuel Exports to World (Ex-China, \$bln)



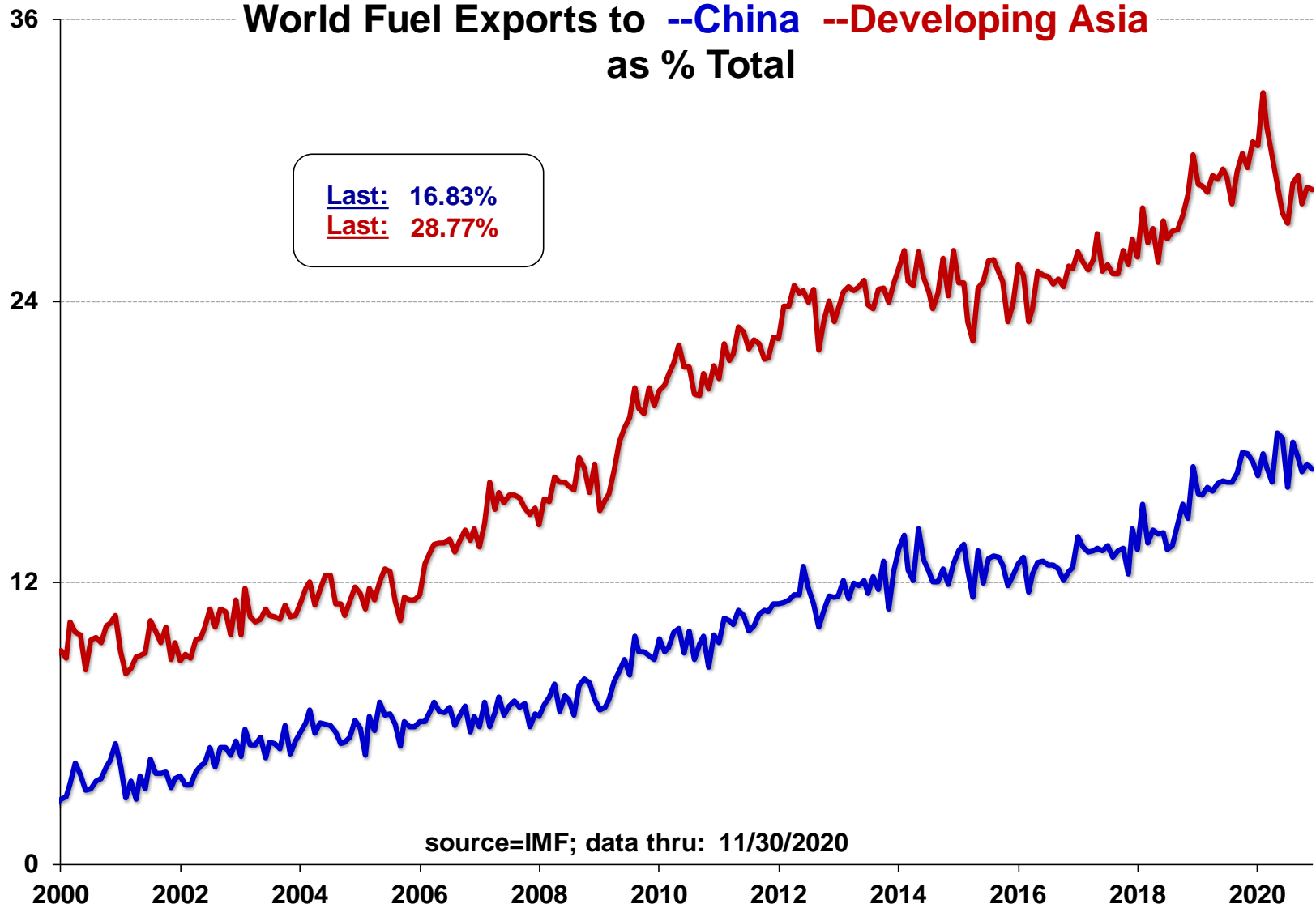
Last: 15.86  
Change: -0.52

Last: 78.38  
Change: -1.23

+5.9%

-61.7%

# World Fuel Exports to --China --Developing Asia as % Total



US Petroleum Supply, Consumption, Inventory March-21	2020	2021												Forecast				
	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	3mo	6mo	12mo	Dec	
Supply (million barrels per day)	Actual	Final	Final											thru Mar.	thru Jun.	thru Dec.	2022	
Crude Oil Supply																		
Domestic Production (a)	11.06	10.94	10.39	10.99	11.04	11.04	11.09	11.19	11.28	11.34	11.33	11.52	11.54	-0.6%	+0.2%	+4.3%	+12.9%	
Alaska	0.46	0.47	0.47	0.44	0.44	0.36	0.35	0.37	0.42	0.43	0.44	0.44	0.42	-3.9%	-25.4%	-10.1%	-18.9%	
Federal Gulf of Mexico (b)	1.77	1.67	1.65	1.79	1.78	1.77	1.74	1.72	1.67	1.66	1.58	1.73	1.75	+1.1%	-1.9%	-1.3%	+7.8%	
Lower 48 States (excl GOM)	8.83	8.80	8.27	8.75	8.82	8.91	9.01	9.09	9.18	9.25	9.31	9.35	9.37	-0.8%	+2.0%	+6.2%	+15.6%	
Crude Oil Net Imports (c)	2.34	2.97	2.86	1.59	3.00	3.72	3.54	4.12	4.19	3.75	3.24	3.69	4.07	-32.2%	+51.3%	+73.8%	+64.7%	
SPR Net Withdrawals	0.00	0.00	0.02	0.04	0.10	0.09	0.10	0.09	0.05	0.06	0.05	0.05	0.05	#####	#####	#####	#####	
Commercial Inventory Net Withdrawals	0.49	0.40	-0.42	-0.13	-0.10	0.03	0.48	0.44	0.28	-0.01	-0.31	-0.07	0.38	-126.9%	-2.2%	-23.0%	-27.9%	
Crude Oil Adjustment (d)	0.25	0.39	0.03	0.22	0.15	0.22	0.28	0.24	0.20	0.24	0.16	0.16	0.17	-8.9%	+13.0%	-30.6%	-30.6%	
Total Crude Oil Input to Refineries	14.14	14.70	12.89	12.71	14.19	15.10	15.49	16.07	15.99	15.38	14.47	15.34	16.20	-10.1%	+9.5%	+14.6%	+20.1%	
Other Supply																		
Refinery Processing Gain	0.92	1.00	1.01	0.90	1.01	1.08	1.10	1.06	1.09	1.05	0.99	1.05	1.12	-2.2%	+19.9%	+21.7%	+32.3%	
Natural Gas Plant Liquids Production	5.06	4.99	4.34	5.08	5.29	5.47	5.44	5.56	5.58	5.65	5.68	5.69	5.55	+0.3%	+7.4%	+9.8%	+16.1%	
Renewables and Oxygenate Production (e)	1.07	1.02	0.93	1.02	1.02	1.06	1.08	1.10	1.12	1.07	1.06	1.11	1.10	-4.4%	+0.4%	+3.0%	+6.1%	
Fuel Ethanol Production	0.97	0.94	0.84	0.92	0.92	0.96	0.97	0.99	1.01	0.97	0.97	1.00	0.99	-5.0%	-0.4%	+2.1%	+4.9%	
Petroleum Products Adjustment (f)	0.19	0.20	0.20	0.19	0.20	0.20	0.21	0.21	0.21	0.21	0.20	0.21	0.22	+3.2%	+11.3%	+17.8%	+24.1%	
Product Net Imports (c)	-3.55	-3.80	-2.74	-1.42	-2.49	-2.90	-3.12	-3.75	-3.38	-3.18	-2.89	-3.48	-4.66	-60.0%	-12.0%	+31.3%	+44.2%	
Hydrocarbon Gas Liquids	-2.03	-2.26	-1.66	-2.03	-2.12	-2.15	-2.19	-2.21	-2.18	-2.17	-2.19	-2.22	-2.27	-0.1%	+7.8%	+11.7%	+15.1%	
Unfinished Oils	0.08	0.32	0.41	0.34	0.44	0.38	0.49	0.45	0.42	0.43	0.41	0.26	0.22	+329.3%	+517.1%	+178.5%	+107.6%	
Other HC/Oxygenates	-0.04	-0.10	-0.11	-0.11	-0.09	-0.08	-0.08	-0.08	-0.08	-0.07	-0.09	-0.08	-0.09	+174.1%	+95.8%	+119.5%	+116.8%	
Motor Gasoline Blend Comp.	0.43	0.23	0.48	0.39	0.64	0.78	0.60	0.60	0.44	0.49	0.37	0.18	-0.09	-11.2%	+39.2%	-120.9%	-134.7%	
Finished Motor Gasoline	-0.84	-0.78	-0.58	-0.20	-0.67	-0.80	-0.76	-0.96	-0.61	-0.63	-0.50	-0.70	-0.70	-76.6%	-9.7%	-17.4%	-11.0%	
Jet Fuel	0.05	0.02	0.02	0.06	0.03	-0.07	-0.08	-0.02	-0.03	0.07	0.08	-0.02	-0.05	+14.8%	-253.7%	-202.6%	+214.0%	
Distillate Fuel Oil	-0.73	-0.56	-0.67	0.18	-0.28	-0.48	-0.64	-0.91	-0.75	-0.79	-0.46	-0.43	-0.88	-124.6%	-12.3%	+20.0%	+81.9%	
Residual Fuel Oil	0.02	0.09	0.06	0.07	-0.03	-0.02	0.01	-0.01	-0.03	0.03	-0.01	0.13	0.04	+289.3%	-44.7%	+121.3%	+52.6%	
Other Oils (g)	-0.48	-0.77	-0.69	-0.12	-0.39	-0.46	-0.48	-0.61	-0.57	-0.53	-0.50	-0.60	-0.85	-75.4%	-0.9%	+75.8%	+67.9%	
Product Inventory Net Withdrawals	0.97	0.55	1.90	0.48	-0.14	-0.67	-0.49	-0.48	-0.38	-0.27	0.54	0.17	0.38	-50.8%	-151.0%	-60.7%	-65.6%	
Total Supply	18.80	18.67	18.51	18.96	19.07	19.34	19.69	19.79	20.24	19.91	20.04	20.11	19.91	+0.9%	+4.8%	+6.0%	+9.9%	

US Petroleum Supply, Consumption, Inventory (continued) 3/31/2021	2020 Dec Final	2021												Forecast				
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	3mo	6mo	1yr	Dec	
		Final	Final											% chng	% chng	% chng	2022	
<b>Consumption (million barrels per day)</b>																		
Hydrocarbon Gas Liquids .....	4.02	3.80	3.31	3.26	3.31	3.18	3.07	3.20	3.16	3.26	3.36	3.53	3.71	-19.0%	-23.7%	-7.7%	-2.3%	
Unfinished Oils .....	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	n/a	
Motor Gasoline .....	7.84	7.80	7.94	8.31	8.40	8.72	8.86	8.85	9.05	8.88	8.82	8.78	8.69	+6.1%	+13.1%	+10.9%	+12.4%	
Fuel Ethanol blended into Motor Gasoline .....	0.85	0.86	0.79	0.82	0.84	0.89	0.90	0.91	0.94	0.89	0.90	0.90	0.89	-2.7%	+5.8%	+4.7%	+8.0%	
Jet Fuel .....	1.14	1.15	1.18	1.27	1.35	1.36	1.47	1.52	1.54	1.51	1.49	1.51	1.50	+10.7%	+28.3%	+30.9%	+58.5%	
Distillate Fuel Oil .....	3.86	4.05	4.09	4.16	3.97	3.97	3.99	3.87	4.06	4.00	4.28	4.21	4.01	+7.8%	+3.4%	+3.9%	+5.1%	
Residual Fuel Oil .....	0.20	0.19	0.29	0.26	0.23	0.20	0.26	0.29	0.28	0.27	0.21	0.24	0.29	+33.8%	+31.3%	+47.2%	+47.4%	
Other Oils (g) .....	1.64	1.67	1.70	1.70	1.80	1.91	2.05	2.05	2.15	1.98	1.89	1.84	1.71	+4.1%	+25.2%	+4.7%	+7.4%	
Total Consumption .....	18.80	18.66	18.51	18.96	19.07	19.34	19.69	19.79	20.24	19.91	20.04	20.11	19.91	+0.9%	+4.8%	+6.0%	+9.9%	
<b>Total Petroleum &amp; Other Liquids Net Imports ....</b>	<b>-1.20</b>	<b>-0.83</b>	<b>0.11</b>	<b>0.17</b>	<b>0.51</b>	<b>0.82</b>	<b>0.42</b>	<b>0.38</b>	<b>0.81</b>	<b>0.57</b>	<b>0.35</b>	<b>0.22</b>	<b>-0.59</b>	<b>-114.1%</b>	<b>-135.1%</b>	<b>-51.1%</b>	<b>+4.5%</b>	
<b>End-of-period Inventories (million barrels)</b>																		
Commercial Inventory																		
Crude Oil .....	485.26	472.81	484.46	488.53	491.40	490.43	476.08	462.58	453.88	454.33	463.91	465.99	454.32	+0.7%	-1.9%	-6.4%	-6.9%	
Hydrocarbon Gas Liquids .....	229.16	185.60	162.12	158.83	165.05	182.14	199.50	216.97	235.75	242.51	240.48	228.01	204.38	-30.7%	-12.9%	-10.8%	-7.7%	
Unfinished Oils .....	78.21	82.60	89.81	92.38	94.74	92.46	91.01	89.73	88.95	90.16	92.03	89.02	83.05	+18.1%	+16.4%	+6.2%	+6.4%	
Other HC/Oxygenates .....	29.90	29.18	27.55	27.15	26.69	26.30	26.02	25.97	25.63	25.83	25.24	25.62	26.10	-9.2%	-13.0%	-12.7%	-9.9%	
Total Motor Gasoline .....	243.19	253.98	242.28	232.12	230.80	232.66	231.90	229.18	224.84	226.27	219.93	224.05	234.21	-4.6%	-4.6%	-3.7%	+2.5%	
Finished Motor Gasoline .....	25.31	23.08	22.44	21.01	21.02	22.27	23.23	21.15	23.34	22.18	22.04	23.21	24.43	-17.0%	-8.2%	-3.5%	+3.3%	
Motor Gasoline Blend Comp. ....	217.88	230.90	219.84	211.11	209.78	210.38	208.67	208.03	201.49	204.09	197.89	200.84	209.78	-3.1%	-4.2%	-3.7%	+2.4%	
Jet Fuel .....	38.63	42.19	38.54	38.26	39.15	40.00	39.54	40.86	40.54	42.00	41.26	39.20	39.12	-1.0%	+2.4%	+1.3%	+1.3%	
Distillate Fuel Oil .....	160.44	162.10	141.27	136.39	132.81	134.83	136.76	139.53	141.82	140.14	133.01	137.40	142.89	-15.0%	-14.8%	-10.9%	-9.3%	
Residual Fuel Oil .....	30.23	32.57	31.60	32.05	31.68	33.23	33.37	32.16	31.03	31.43	32.23	33.82	32.64	+6.0%	+10.4%	+8.0%	+7.9%	
Other Oils (g) .....	49.31	53.90	55.77	57.01	57.59	57.69	55.98	54.45	52.16	50.40	47.85	49.77	52.73	+15.6%	+13.5%	+6.9%	+5.0%	
Total Commercial Inventory .....	1344.32	1315	1273	1263	1270	1290	1290	1291	1295	1303	1296	1293	1269	-6.1%	-4.0%	-5.6%	-3.9%	
Crude Oil in SPR .....	638.09	638.02	637.46	636.19	633.27	630.34	627.41	624.48	622.81	621.14	619.72	618.29	616.87	-0.3%	-1.7%	-3.3%	-6.6%	

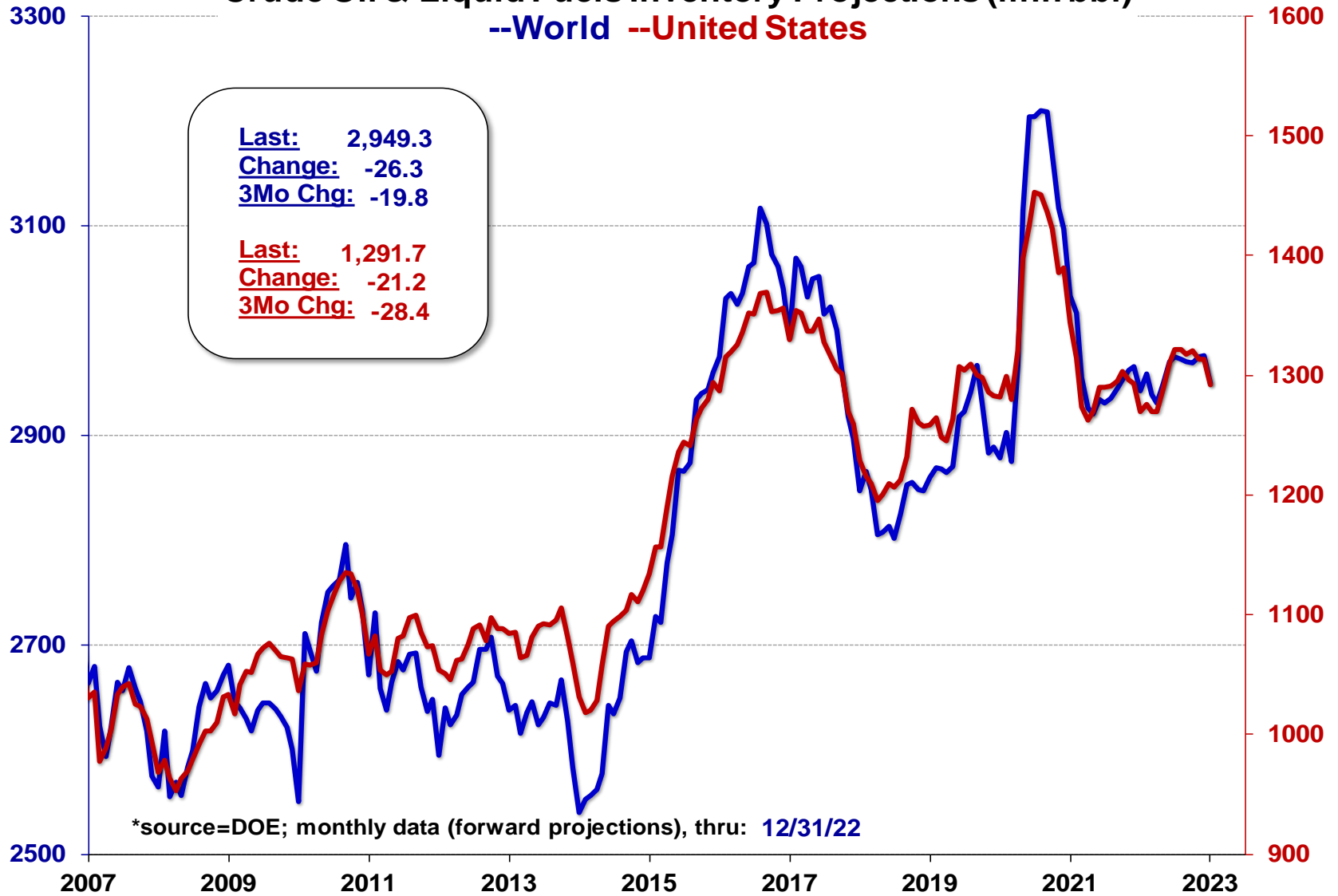


International Petroleum and Other Liquid Fuels Production, Consumption, and Inventories	2020	2021												Forecast			
	Dec Actual	Jan Final	Feb Final	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	3mo thru Mar.	6mo thru Jun.	12mo thru Dec.	Dec 2022
<b>Supply (mln bbls/day)</b>																	
OECD .....	31.19	30.85	29.53	30.84	31.04	31.06	31.28	31.72	31.87	31.75	31.95	32.29	32.20	-1.1%	+0.3%	+3.3%	+7.7%
U.S. (50 States) .....	18.30	18.16	16.87	18.18	18.55	18.85	18.91	19.12	19.28	19.32	19.26	19.59	19.53	-0.6%	+3.3%	+6.7%	+14.5%
Canada .....	6.02	5.80	5.79	5.71	5.56	5.46	5.74	5.73	5.77	5.80	5.80	5.81	5.78	-5.2%	-4.6%	-4.0%	-3.2%
Mexico .....	1.92	1.93	1.92	1.95	1.93	1.92	1.90	1.89	1.87	1.85	1.84	1.82	1.81	+1.8%	-0.7%	-5.7%	-14.7%
Other OECD .....	4.95	4.96	4.95	5.00	4.99	4.83	4.72	4.98	4.95	4.77	5.05	5.07	5.09	+0.9%	-4.7%	+2.8%	+4.5%
Non-OECD .....	62.28	63.17	62.65	63.03	63.93	65.63	66.34	66.92	67.25	67.57	67.52	67.39	67.06	+1.2%	+6.5%	+7.7%	+10.1%
OPEC .....	30.29	30.39	29.93	30.17	30.33	31.69	32.15	32.72	32.95	33.12	33.11	33.17	33.18	-0.4%	+6.1%	+9.5%	+9.9%
Crude Oil Portion .....	25.26	25.32	24.86	25.17	25.29	26.65	27.08	27.58	27.78	27.98	27.98	27.97	27.95	-0.3%	+7.2%	+10.7%	+10.8%
Other Liquids (b) .....	5.04	5.07	5.07	5.00	5.04	5.04	5.07	5.15	5.17	5.14	5.13	5.20	5.23	-0.8%	+0.7%	+3.7%	+5.6%
Former Soviet Union .....	13.21	13.33	13.37	13.46	13.58	13.66	13.70	13.73	13.68	13.73	13.83	13.88	13.92	+1.9%	+3.8%	+5.4%	+14.1%
China .....	4.87	5.01	4.93	4.92	4.93	4.96	4.99	4.93	4.96	4.99	5.00	5.02	4.98	+1.1%	+2.5%	+2.2%	+2.8%
Other Non-OECD .....	13.91	14.45	14.42	14.48	15.08	15.33	15.50	15.53	15.64	15.73	15.59	15.32	14.98	+4.1%	+11.4%	+7.7%	+9.2%
Total World Supply .....	93.47	94.02	92.17	93.87	94.97	96.70	97.62	98.63	99.11	99.32	99.48	99.69	99.27	+0.4%	+4.4%	+6.2%	+9.3%
Non-OPEC Supply .....	63.17	63.63	62.24	63.70	64.63	65.01	65.47	65.91	66.16	66.21	66.37	66.51	66.09	+0.8%	+3.6%	+4.6%	+9.0%
<b>Consumption (mln bbls/day)</b>																	
OECD .....	43.59	42.50	43.75	43.76	43.38	43.39	44.37	44.78	45.30	45.21	45.27	45.46	45.65	+0.4%	+1.8%	+4.7%	+7.7%
U.S. (50 States) .....	18.80	18.66	18.51	18.96	19.07	19.34	19.69	19.79	20.24	19.91	20.04	20.11	19.91	+0.9%	+4.8%	+6.0%	+9.9%
U.S. Territories .....	0.13	0.16	0.16	0.21	0.13	0.18	0.16	0.16	0.18	0.15	0.20	0.17	0.14	+55.9%	+22.2%	+2.7%	+4.6%
Canada .....	2.18	2.13	2.22	2.15	2.11	2.18	2.23	2.25	2.30	2.26	2.25	2.28	2.28	-1.3%	+2.3%	+4.5%	+6.8%
Europe .....	12.56	12.08	12.92	12.81	12.91	12.74	13.25	13.45	13.29	13.76	13.59	13.29	13.07	+2.0%	+5.4%	+4.1%	+7.5%
Japan .....	3.71	3.49	3.71	3.45	3.13	2.87	2.90	3.03	3.12	3.04	3.07	3.31	3.80	-7.1%	-21.9%	+2.3%	+1.7%
Other OECD .....	6.20	5.97	6.22	6.17	6.03	6.09	6.13	6.11	6.18	6.08	6.12	6.29	6.44	-0.4%	-1.1%	+3.9%	+5.2%
Non-OECD .....	53.25	51.19	52.14	52.30	52.89	53.28	53.81	53.57	53.07	53.90	52.84	53.73	54.42	-1.8%	+1.1%	+2.2%	+6.1%
Eurasia .....	5.21	4.80	5.04	4.91	4.83	4.97	5.19	5.35	5.45	5.36	5.17	5.24	5.30	-5.9%	-0.4%	+1.8%	+5.0%
Europe .....	0.72	0.71	0.72	0.72	0.71	0.71	0.73	0.72	0.73	0.73	0.74	0.73	0.73	-0.1%	+1.2%	+1.4%	+4.7%
China .....	15.61	14.75	14.93	15.07	15.44	15.24	15.12	15.06	14.60	15.44	14.53	15.53	16.03	-3.4%	-3.1%	+2.7%	+6.2%
Other Asia .....	13.70	13.29	13.88	13.93	13.97	14.09	13.95	13.72	13.50	13.56	13.76	14.02	14.11	+1.7%	+1.8%	+3.0%	+8.7%
Other Non-OECD .....	18.02	17.64	17.58	17.68	17.93	18.26	18.83	18.73	18.79	18.80	18.64	18.21	18.24	-1.9%	+4.5%	+1.3%	+4.5%
Total World Consumption .....	96.84	93.69	95.89	96.06	96.27	96.67	98.18	98.35	98.37	99.11	98.11	99.19	100.07	-0.8%	+1.4%	+3.3%	+6.8%
<b>Total Crude Oil and Other Liquids Inventory Net Withdrawals (million barrels per day)</b>																	
U.S. (50 States) .....	1.45574	0.95	1.50	0.39	-0.14	-0.54	0.08	0.05	-0.05	-0.23	0.28	0.15	0.80	-73.5%	-94.3%	-44.9%	-45.8%
Other OECD .....	0.61046	-0.40	0.72	0.58	0.45	0.16	0.15	-0.11	-0.22	0.01	-0.53	-0.21	0.00	-4.7%	-75.2%	-100.1%	-73.2%
Other Stock Draws and Balance .....	1.3112	-0.87	1.49	1.23	0.99	0.36	0.33	-0.23	-0.47	0.01	-1.11	-0.44	0.00	-6.4%	-74.8%	-100.1%	-73.2%
Total Stock Draw .....	3.3774	-0.32	3.72	2.19	1.30	-0.02	0.57	-0.28	-0.74	-0.21	-1.36	-0.49	0.80	-35.0%	-83.3%	-76.3%	-61.4%
<b>End-of-period Commercial Crude Oil and Other Liquids Inventories (mln bbls)</b>																	
U.S. Commercial Inventory .....	1344.32	1315	1273	1263	1270	1290	1290	1291	1295	1303	1296	1293	1269	-6.1%	-4.0%	-5.6%	-3.9%
OECD Commercial Inventory .....	3033.31	3016	2955	2926	2920	2934	2930	2935	2945	2953	2962	2966	2942	-3.5%	-3.4%	-3.0%	-2.8%

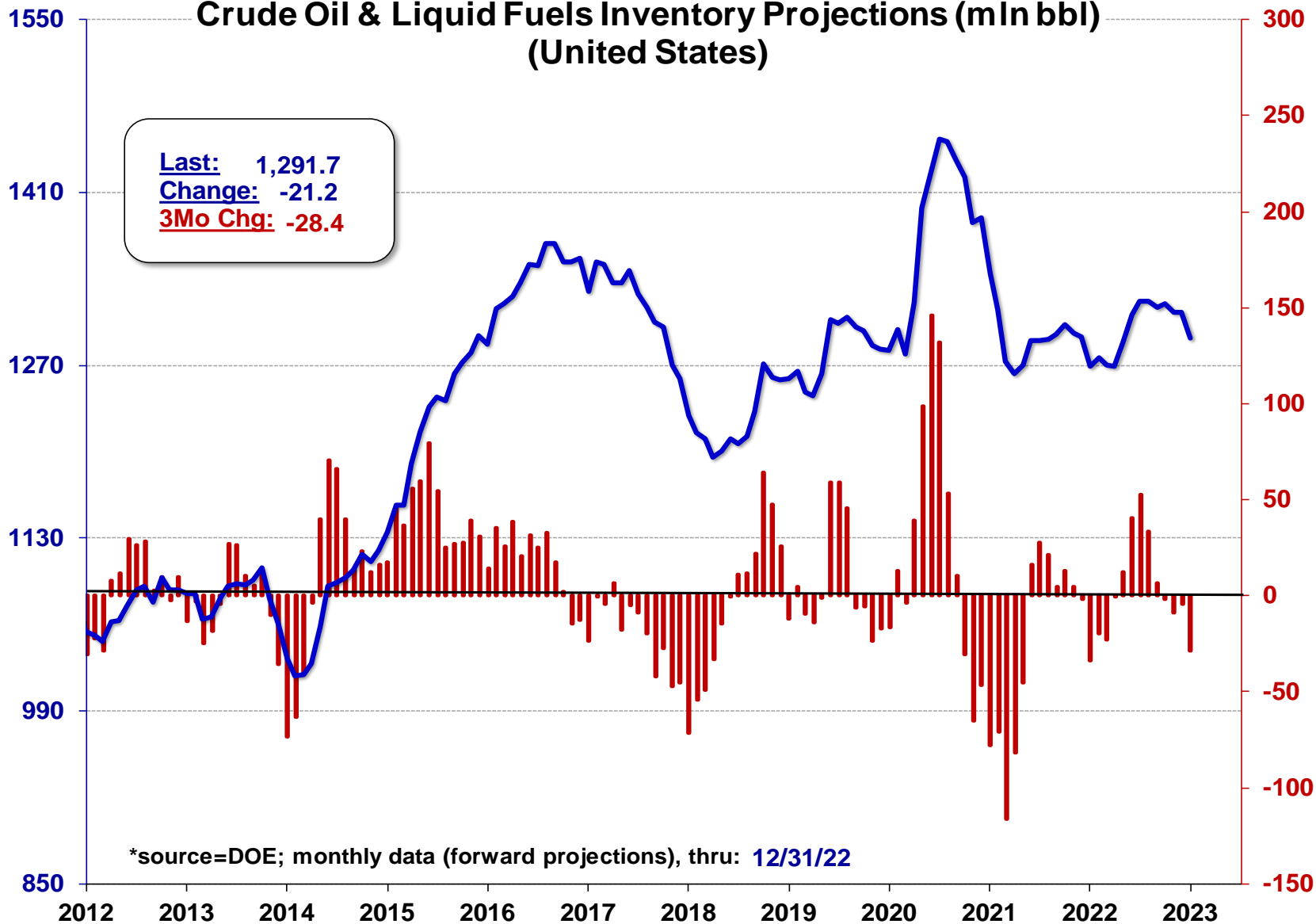
US Natural Gas	2020	2021												Forecast			
	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	3mo	6mo	12mo	Dec
Supply, Consumption, Inventories	Final	Final	Final											thru Mar.	thru Jun.	thru Dec.	2022
<b>March-21</b>	<b>Final</b>	<b>Final</b>	<b>Final</b>														
<b>Supply (bcf/day)</b>																	
Total Marketed Production .....	99.70	99.83	94.99	98.81	98.55	98.49	98.71	98.96	99.40	99.72	99.80	100.00	99.80	-0.9%	-1.0%	+0.1%	+2.0%
Alaska .....	1.01	0.96	0.99	0.95	0.86	0.73	0.66	0.59	0.77	0.83	0.86	0.89	0.89	-5.1%	-34.0%	-11.5%	-14.7%
Federal GOM (a) .....	1.99	2.11	2.01	2.14	2.12	2.10	2.05	2.03	1.96	1.94	1.82	1.99	2.00	+7.6%	+3.1%	+0.6%	-3.2%
Lower 48 States (excl GOM) .....	96.70	96.76	91.99	95.72	95.57	95.66	95.99	96.34	96.67	96.96	97.12	97.11	96.90	-1.0%	-0.7%	+0.2%	+2.3%
Total Dry Gas Production .....	92.42	92.15	87.76	91.34	91.01	90.96	91.15	91.35	91.75	92.03	92.08	92.25	92.05	-1.2%	-1.4%	-0.4%	+1.5%
LNG Gross Imports .....	0.18	0.45	0.35	0.15	0.17	0.18	0.19	0.20	0.25	0.09	0.08	0.21	0.30	-15.3%	+6.1%	+69.4%	+69.4%
LNG Gross Exports .....	9.81	9.80	7.50	8.60	7.10	7.56	8.10	7.81	8.00	7.15	7.81	9.72	10.26	-12.4%	-17.5%	+4.6%	+6.8%
Pipeline Gross Imports .....	8.42	8.35	8.39	7.49	6.68	6.38	6.47	6.95	6.48	6.64	6.31	6.50	7.47	-11.1%	-23.2%	-11.3%	-9.4%
Pipeline Gross Exports .....	7.99	8.24	8.49	8.51	7.85	8.23	8.54	9.16	9.16	9.26	9.20	9.55	9.57	+6.5%	+6.9%	+19.8%	+18.2%
Supplemental Gaseous Fuels .....	0.19	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	-6.5%	-6.7%	-5.7%	-3.9%
Net Inventory Withdrawals .....	19.03	21.83	29.61	7.86	-7.70	-13.85	-11.05	-7.46	-8.16	-11.50	-8.75	5.68	18.42	-58.7%	-158.1%	-3.2%	-8.0%
Total Supply .....	102.44	104.90	110.30	89.90	75.39	68.05	70.29	74.25	73.33	71.03	72.88	85.56	98.59	-12.2%	-31.4%	-3.8%	-2.8%
Balancing Item (b) .....	-0.67	2.00	1.48	0.11	-1.25	-0.48	-1.14	-0.81	-1.04	-0.94	-0.46	-0.62	0.74	-116.6%	+70.7%	-210.0%	-95.9%
Total Primary Supply .....	101.77	106.90	111.77	90.02	74.14	67.57	69.14	73.44	72.29	70.09	72.43	84.94	99.32	-11.6%	-32.1%	-2.4%	-2.2%
<b>Consumption (bcf/day)</b>																	
Residential .....	25.54	28.01	31.42	19.93	11.06	6.58	4.12	3.53	3.00	3.80	7.28	16.18	23.77	-22.0%	-83.9%	-6.9%	-7.6%
Commercial .....	14.44	15.61	17.65	12.63	8.69	6.06	4.85	4.48	4.69	5.06	6.79	11.04	14.43	-12.5%	-66.4%	-0.1%	+2.1%
Industrial .....	25.37	25.97	26.18	24.35	23.58	22.29	22.21	21.74	22.06	22.72	23.55	25.00	26.30	-4.0%	-12.5%	+3.7%	+2.2%
Electric Power (c) .....	28.15	28.97	28.74	25.26	23.46	25.30	30.50	36.21	35.01	31.15	27.29	24.69	26.50	-10.3%	+8.3%	-5.9%	-4.9%
Lease and Plant Fuel .....	5.04	5.05	4.80	5.00	4.98	4.98	4.99	5.00	5.03	5.04	5.05	5.06	5.05	-0.9%	-1.0%	+0.1%	+2.0%
Pipeline and Distribution Use .....	3.09	3.16	2.83	2.71	2.22	2.21	2.33	2.34	2.35	2.17	2.32	2.83	3.13	-12.3%	-24.8%	+1.4%	+2.6%
Vehicle Use .....	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	+5.9%	+7.3%	+7.3%	+18.5%
Total Consumption .....	101.8	106.90	111.77	90.02	74.14	67.57	69.14	73.44	72.29	70.09	72.43	84.94	99.32	-11.6%	-32.1%	-2.4%	-2.2%
<b>End-of-period Inventories (bcf)</b>																	
Working Gas Inventory .....	3341.0	2664	1835	1591	1822	2252	2583	2815	3067	3412	3684	3513	2942	-52.4%	-22.7%	-11.9%	-15.5%
East Region (d) .....	762.7	567	372	261	309	433	538	623	724	816	861	796	615	-65.8%	-29.5%	-19.4%	-36.0%
Midwest Region (d) .....	917.5	704	455	360	416	531	620	733	860	990	1081	1021	841	-60.8%	-32.5%	-8.3%	-16.7%
South Central Region (d) .....	1155.1	954	662	654	762	897	985	988	998	1086	1200	1166	1041	-43.3%	-14.8%	-9.9%	-12.1%
Mountain Region (d) .....	195.1	155.71	115.91	98.74	99.35	113.19	130.24	145.74	160.20	177.12	188.37	183.28	147.95	-49.4%	-33.3%	-24.2%	+3.2%
Pacific Region (d) .....	282.2	259.86	208.51	196.35	214.99	256.07	289.42	302.19	303.95	321.01	332.12	325.60	275.57	-30.4%	+2.5%	-2.4%	+17.7%
Alaska .....	28.3	23.80	21.39	21.39	21.39	21.39	21.39	21.39	21.39	21.39	21.39	21.39	21.39	-24.4%	-24.4%	-24.4%	-24.4%

# Crude Oil & Liquid Fuels Inventory Projections (mIn bbl)

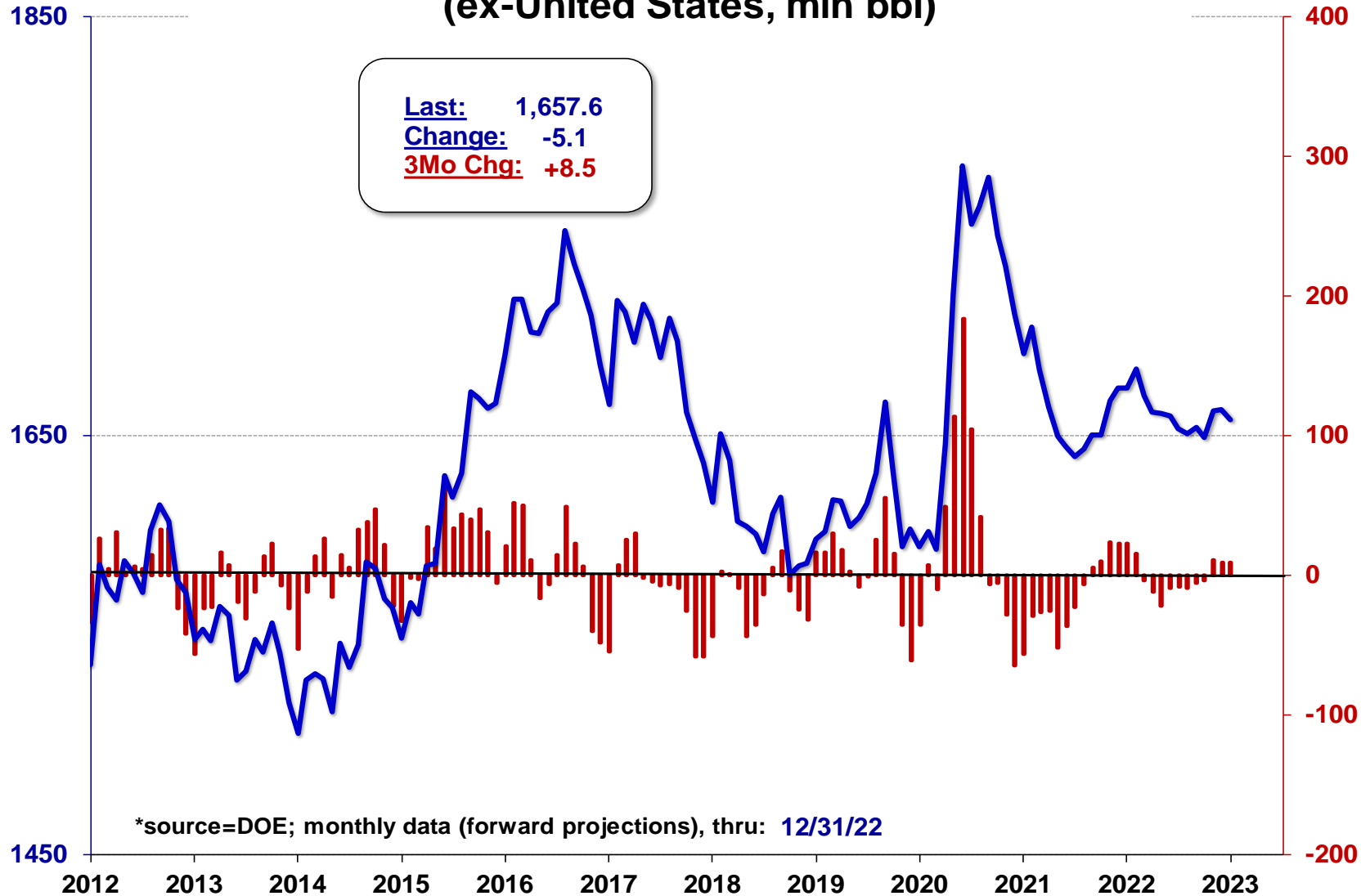
--World --United States



# Crude Oil & Liquid Fuels Inventory Projections (mIn bbl) (United States)

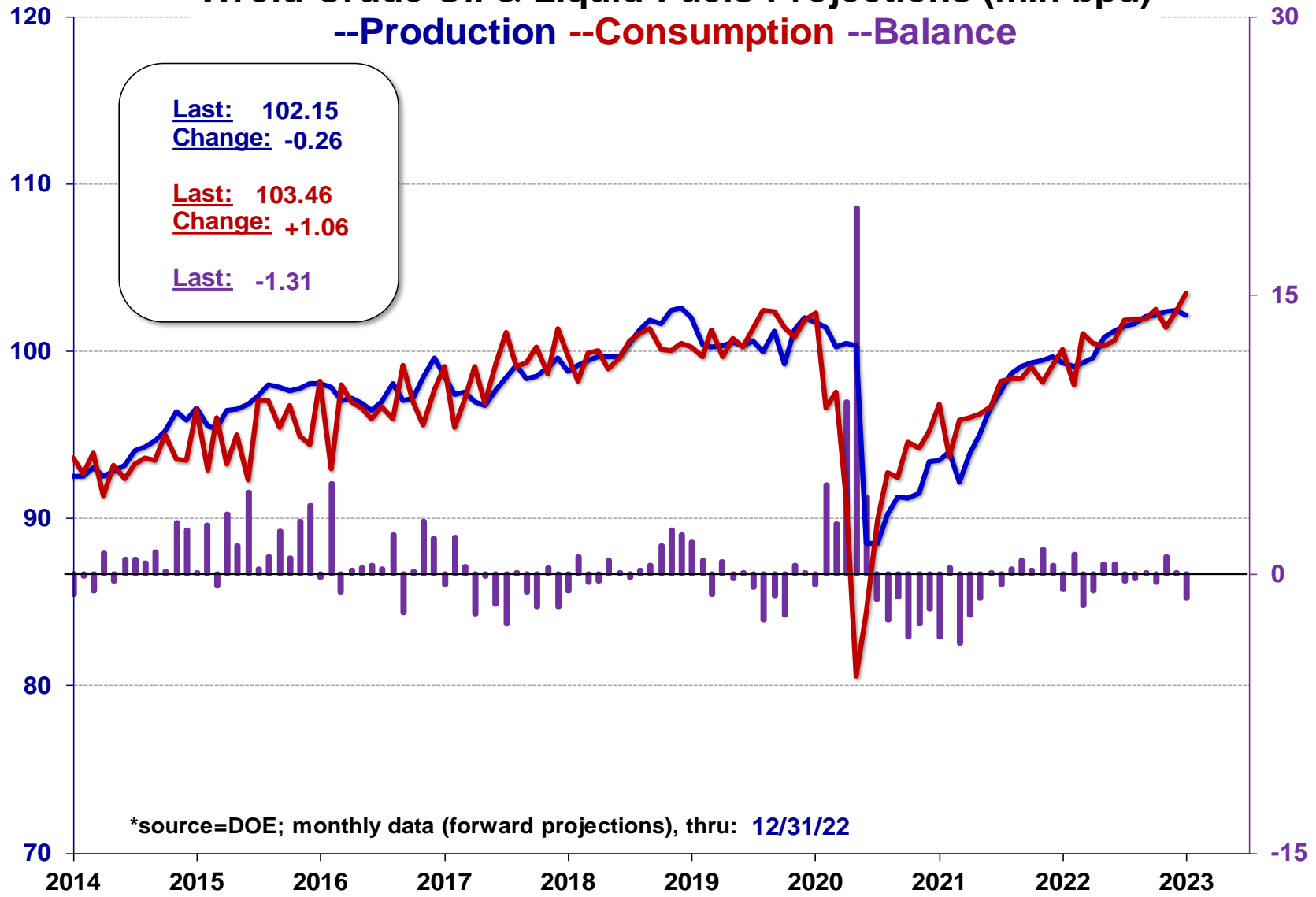


# World Crude Oil & Liquid Fuels Inventory Projections (ex-United States, mln bbl)



# World Crude Oil & Liquid Fuels Projections (mln bpd)

--Production --Consumption --Balance



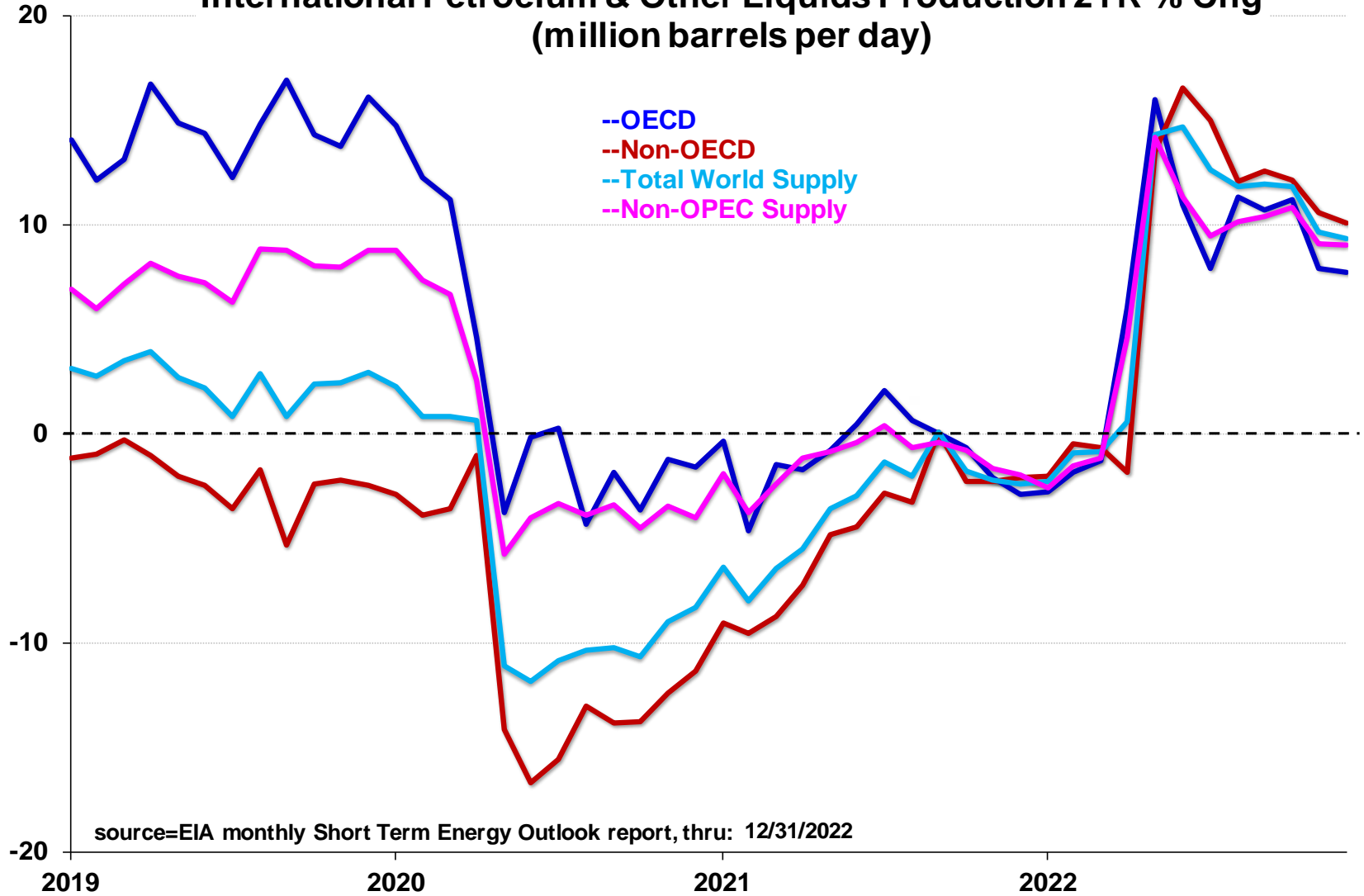
Last: 102.15  
Change: -0.26

Last: 103.46  
Change: +1.06

Last: -1.31

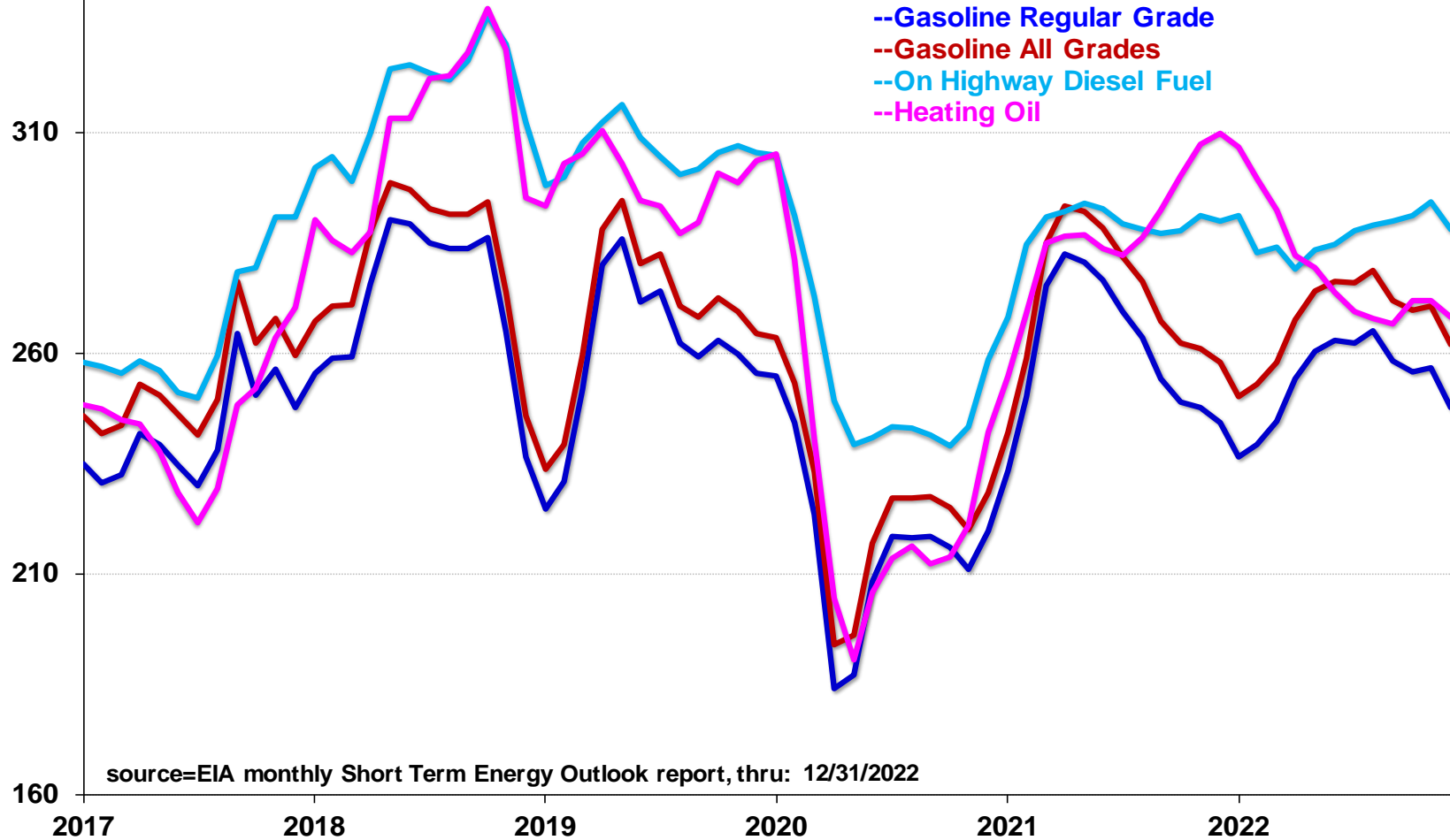
\*source=DOE; monthly data (forward projections), thru: 12/31/22

# International Petroleum & Other Liquids Production 2YR % Chg (million barrels per day)



source=EIA monthly Short Term Energy Outlook report, thru: 12/31/2022

# US Liquid Fuels: Retail Prices Including Taxes (cents per gallon)

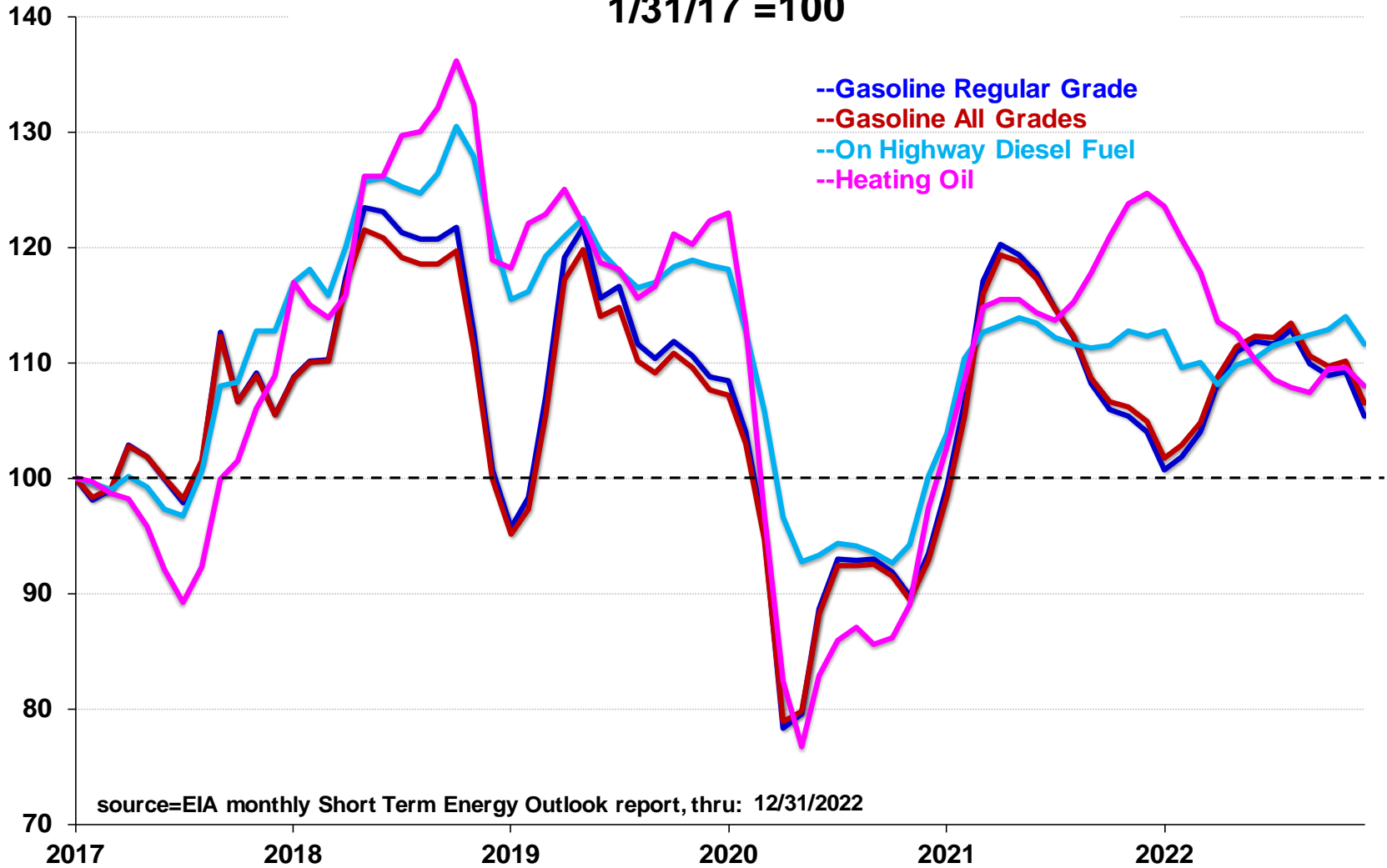


source=EIA monthly Short Term Energy Outlook report, thru: 12/31/2022

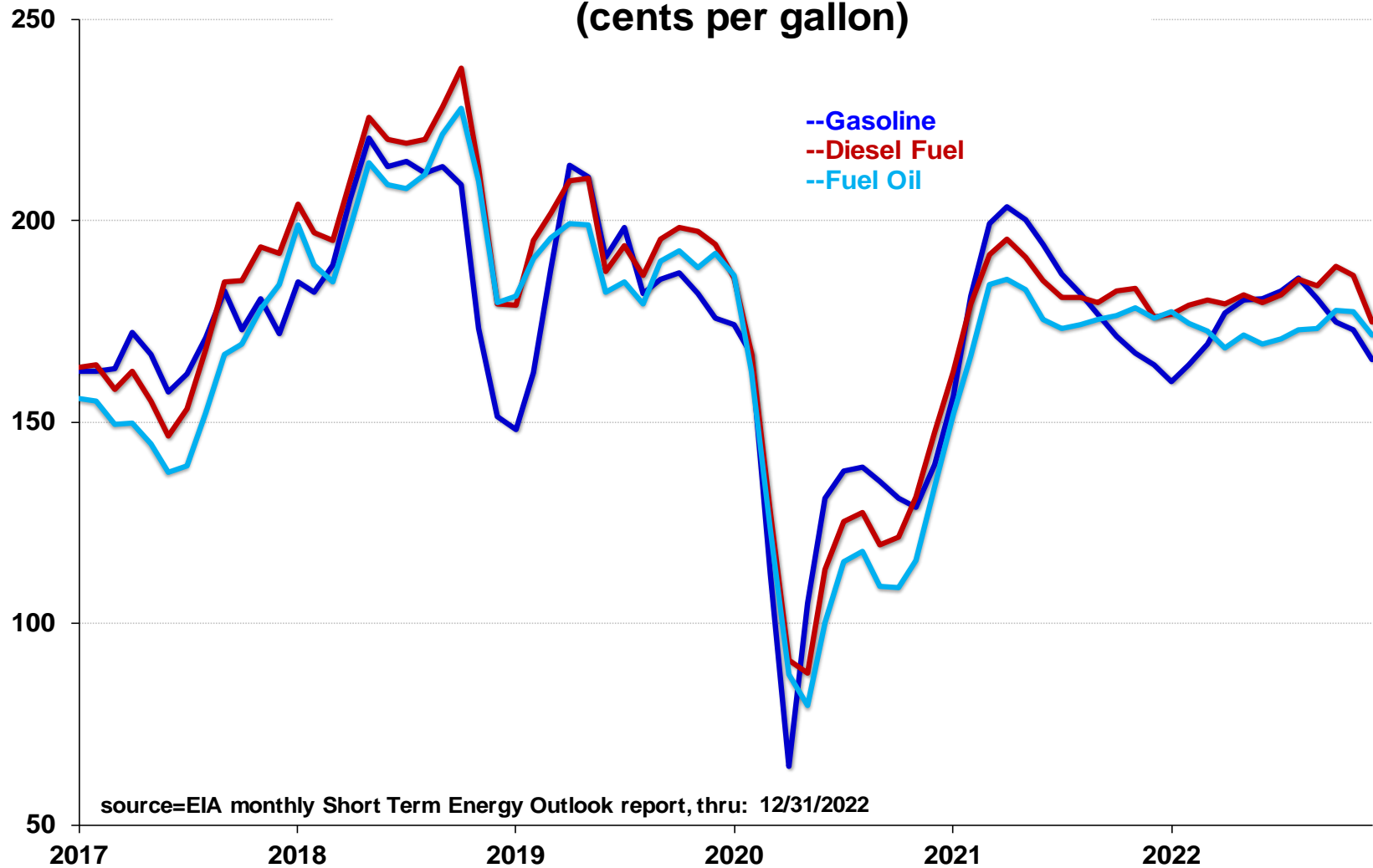


# US Liquid Fuels: Retail Prices Including Taxes

1/31/17 = 100



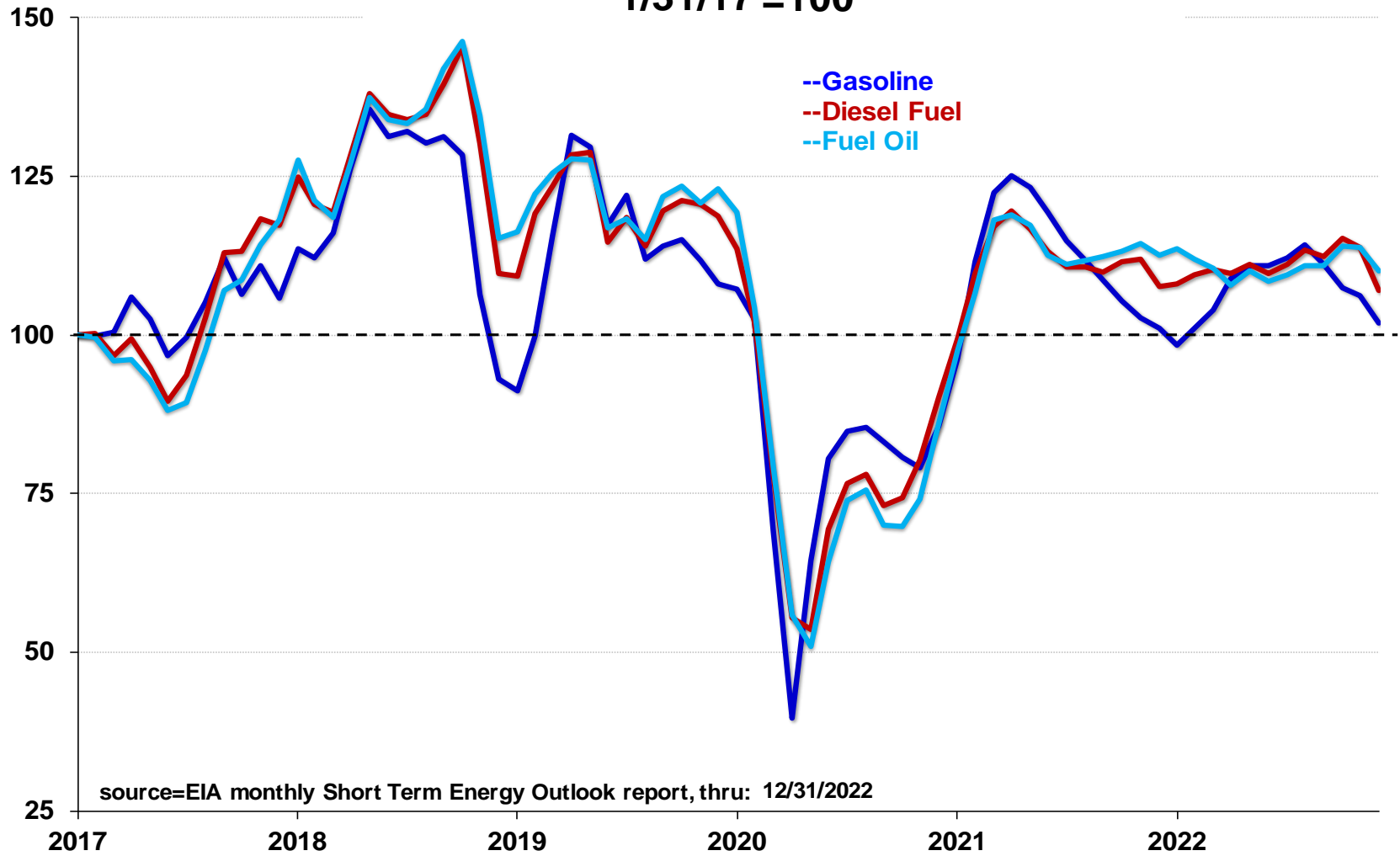
## US Liquid Fuels: Refiner Prices for Resale (cents per gallon)



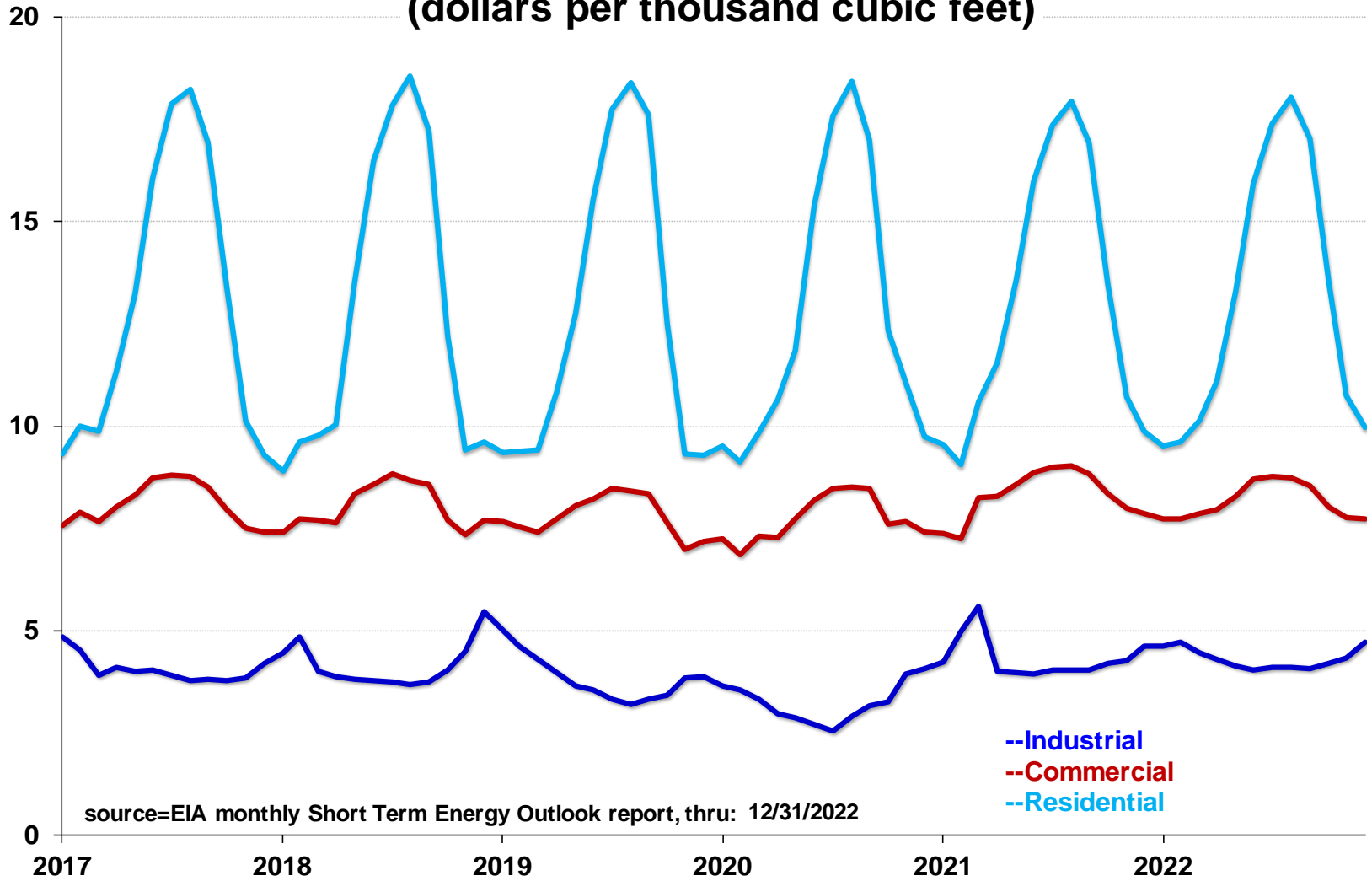
source=EIA monthly Short Term Energy Outlook report, thru: 12/31/2022

# US Liquid Fuels: Refiner Prices for Resale

1/31/17 = 100

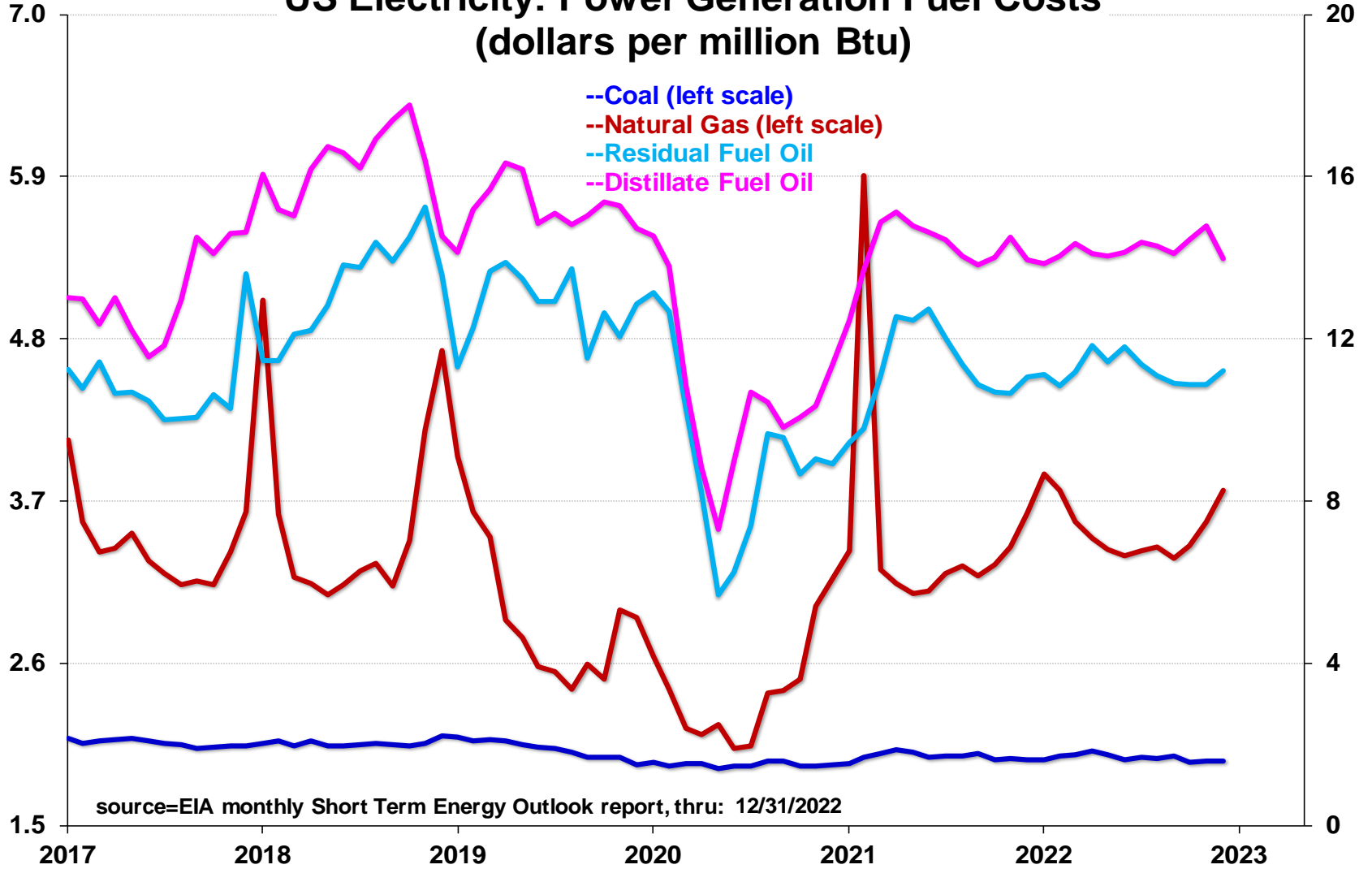


# Natural Gas: US Retail Prices (dollars per thousand cubic feet)



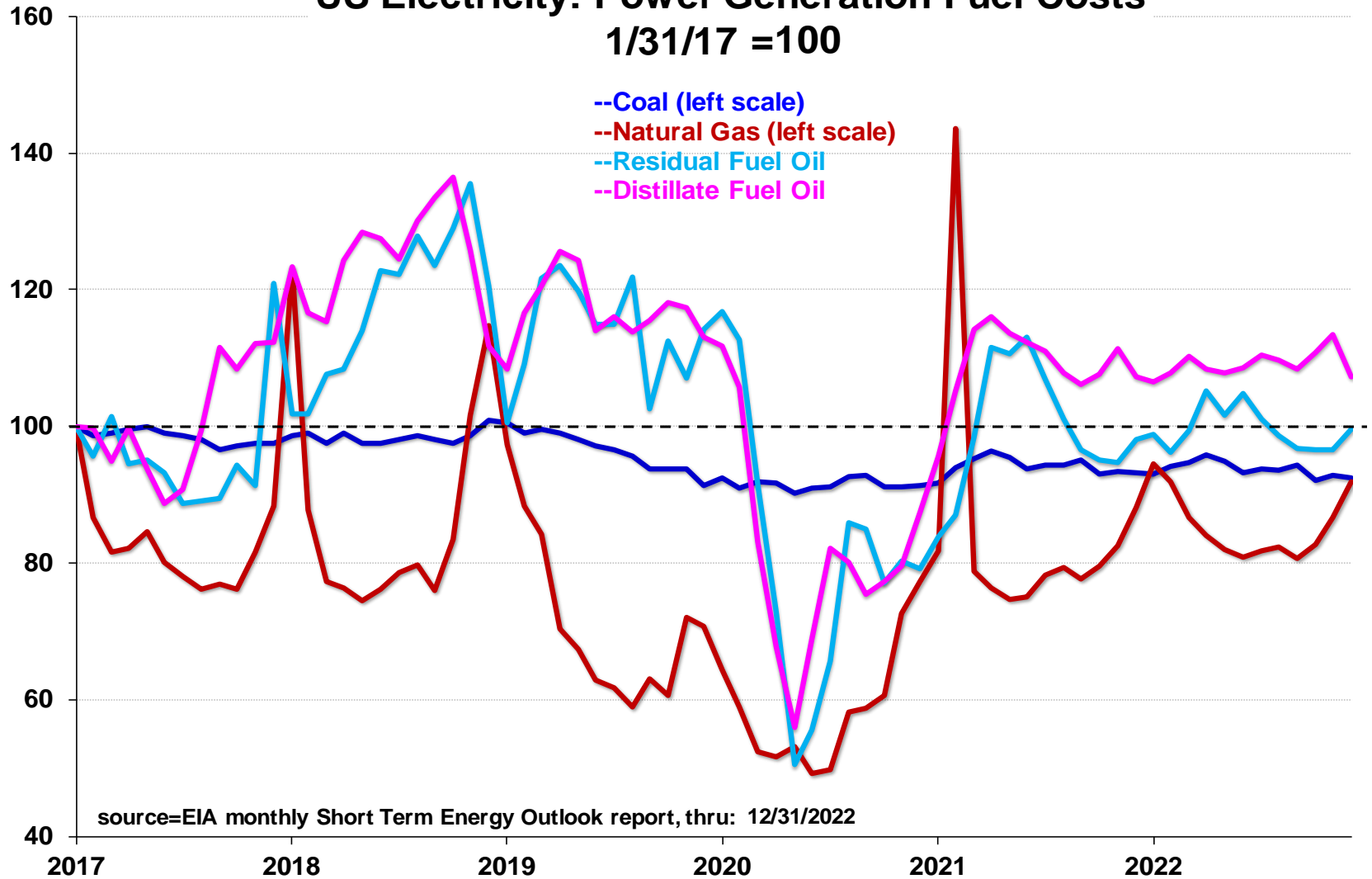
source=EIA monthly Short Term Energy Outlook report, thru: 12/31/2022

# US Electricity: Power Generation Fuel Costs (dollars per million Btu)

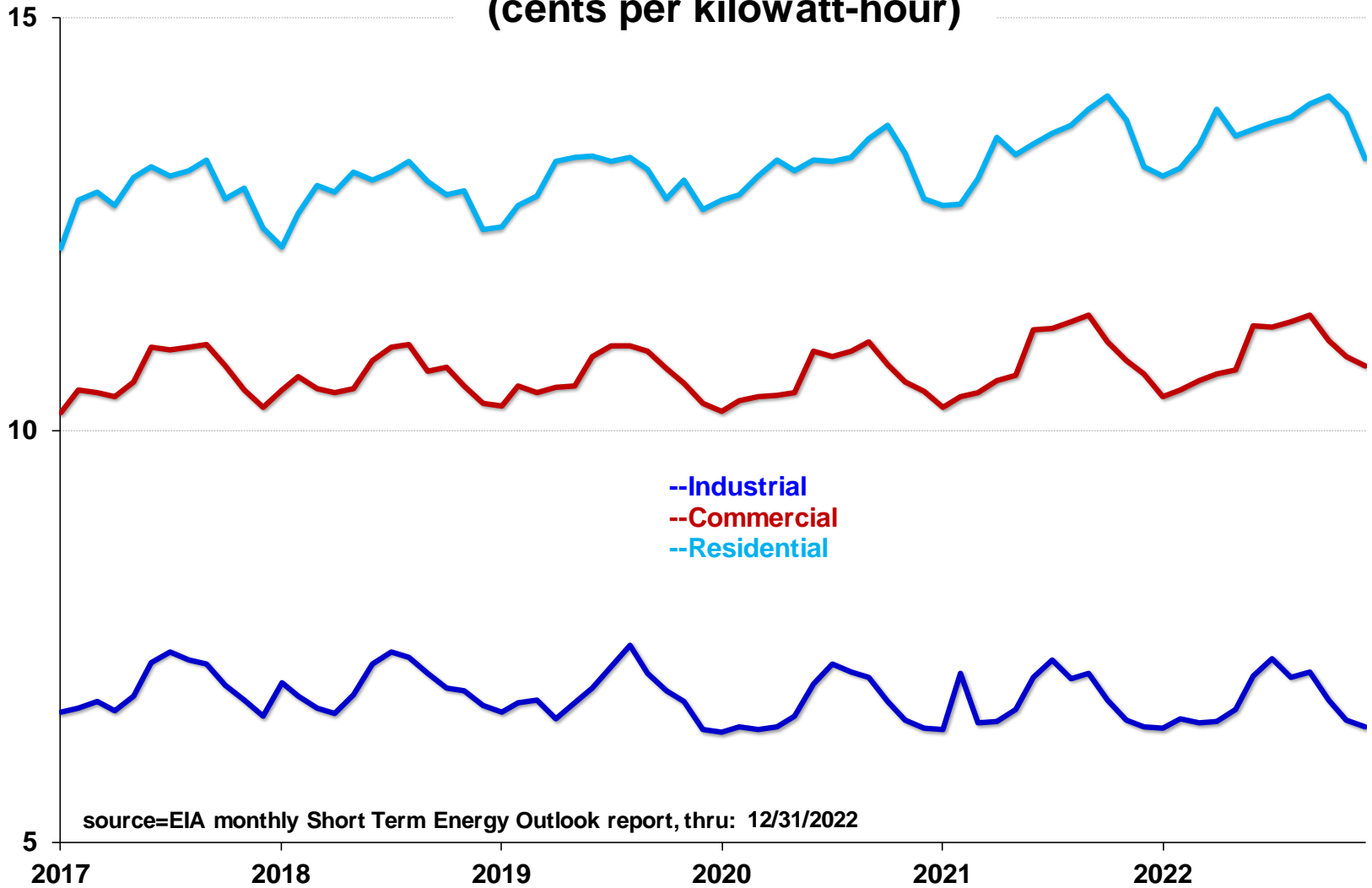


# US Electricity: Power Generation Fuel Costs

1/31/17 = 100

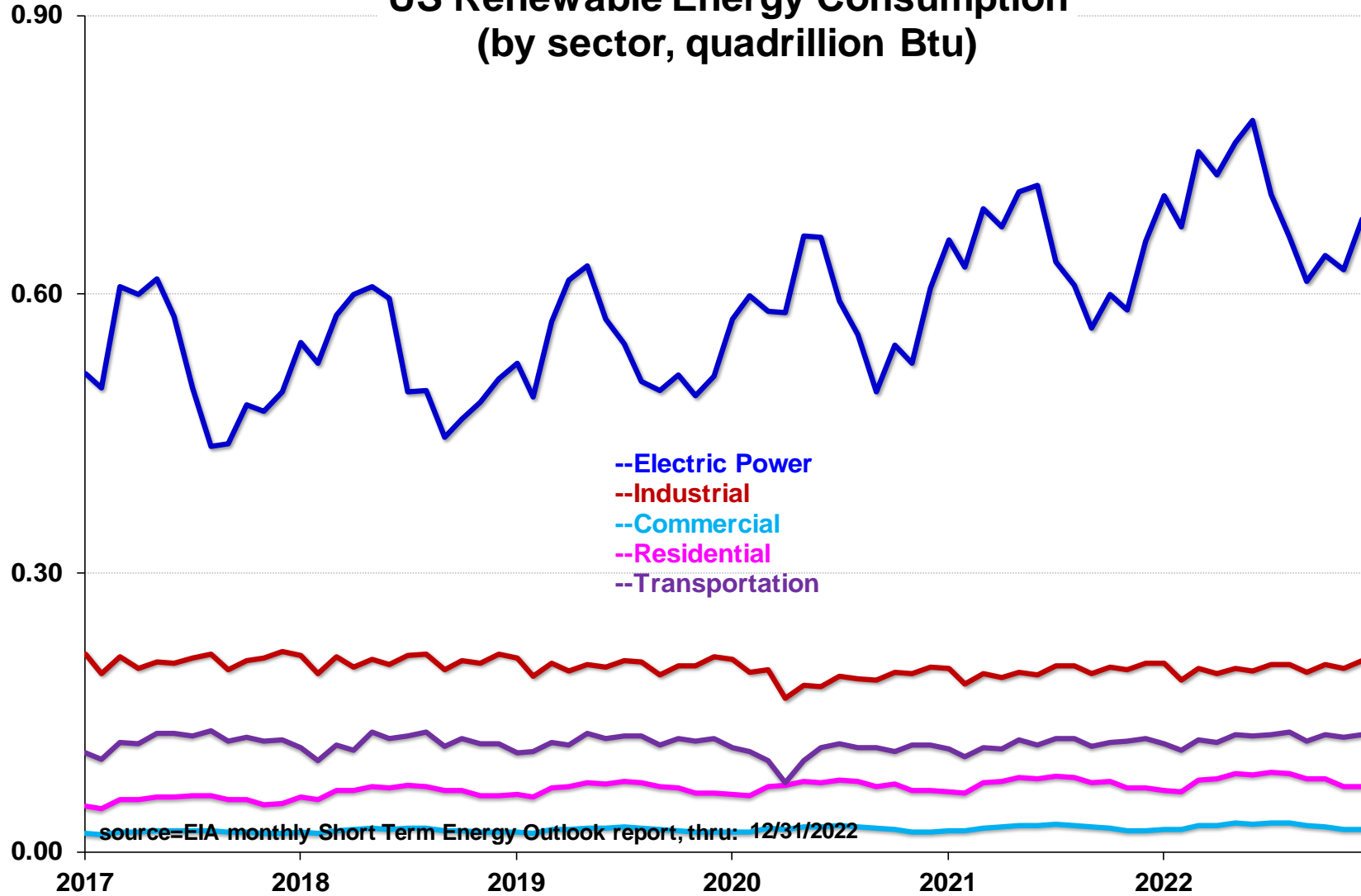


# US Electricity: Retail Prices (cents per kilowatt-hour)



source=EIA monthly Short Term Energy Outlook report, thru: 12/31/2022

# US Renewable Energy Consumption (by sector, quadrillion Btu)

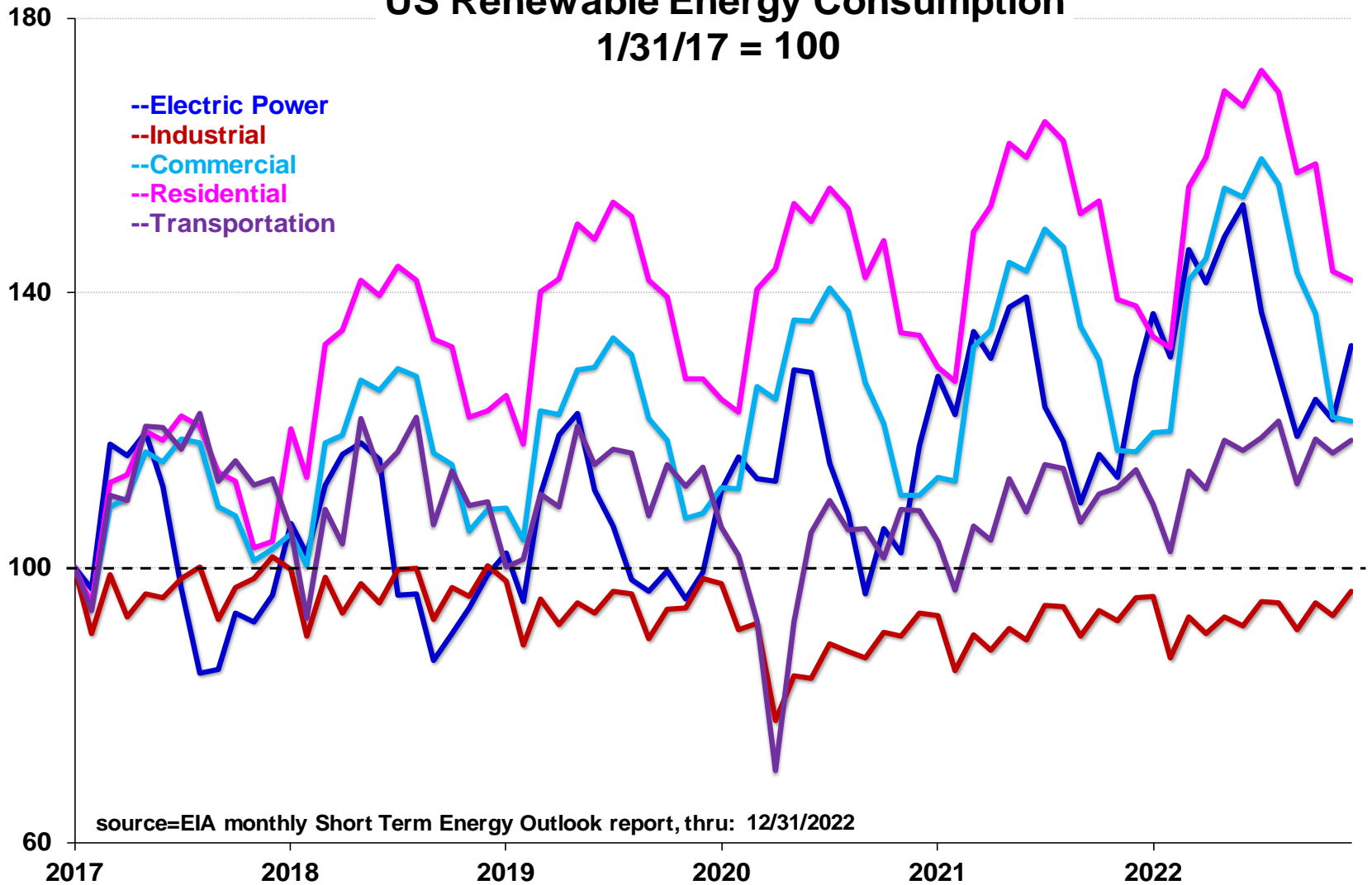


source=EIA monthly Short Term Energy Outlook report, thru: 12/31/2022

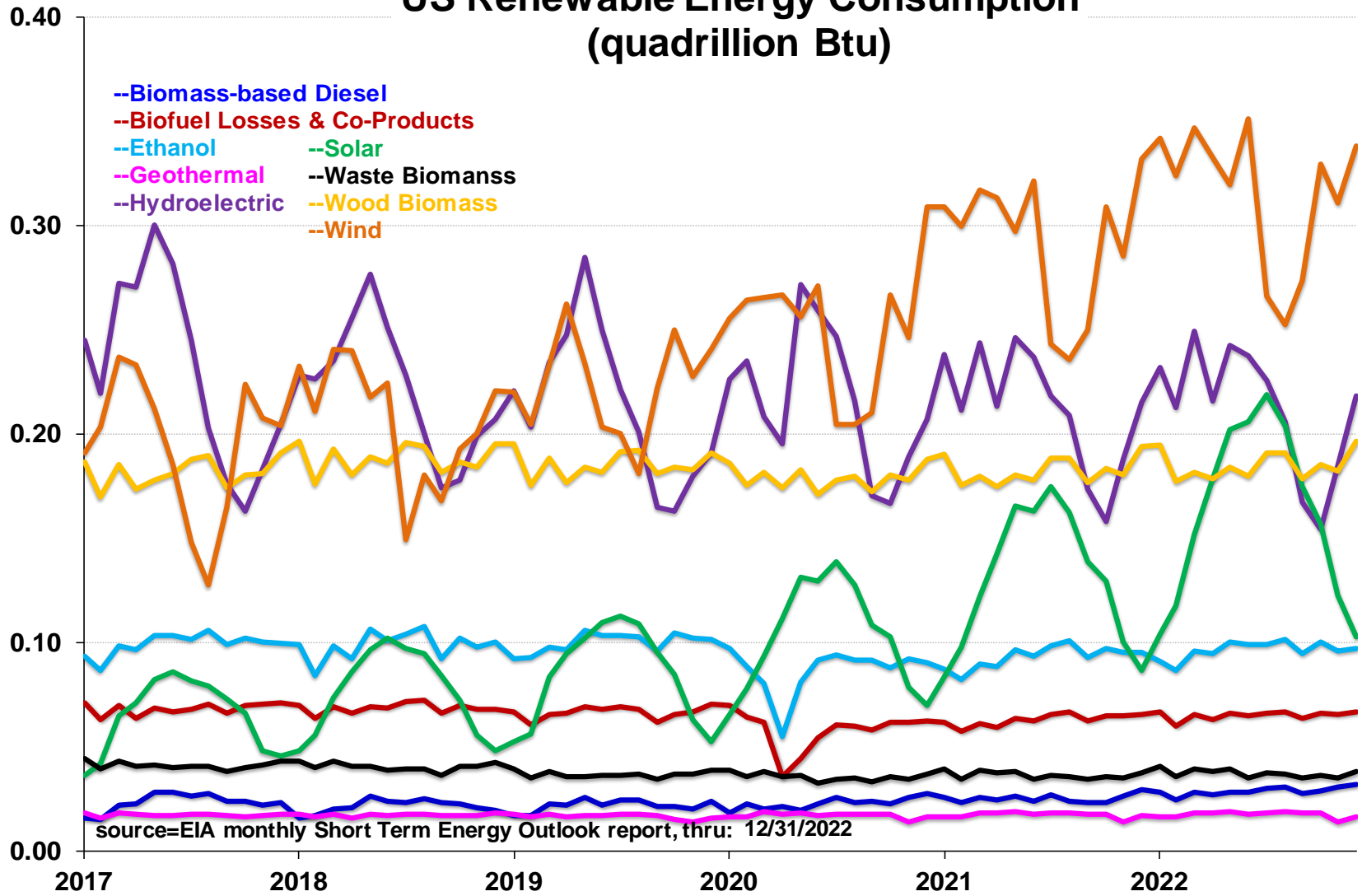


# US Renewable Energy Consumption

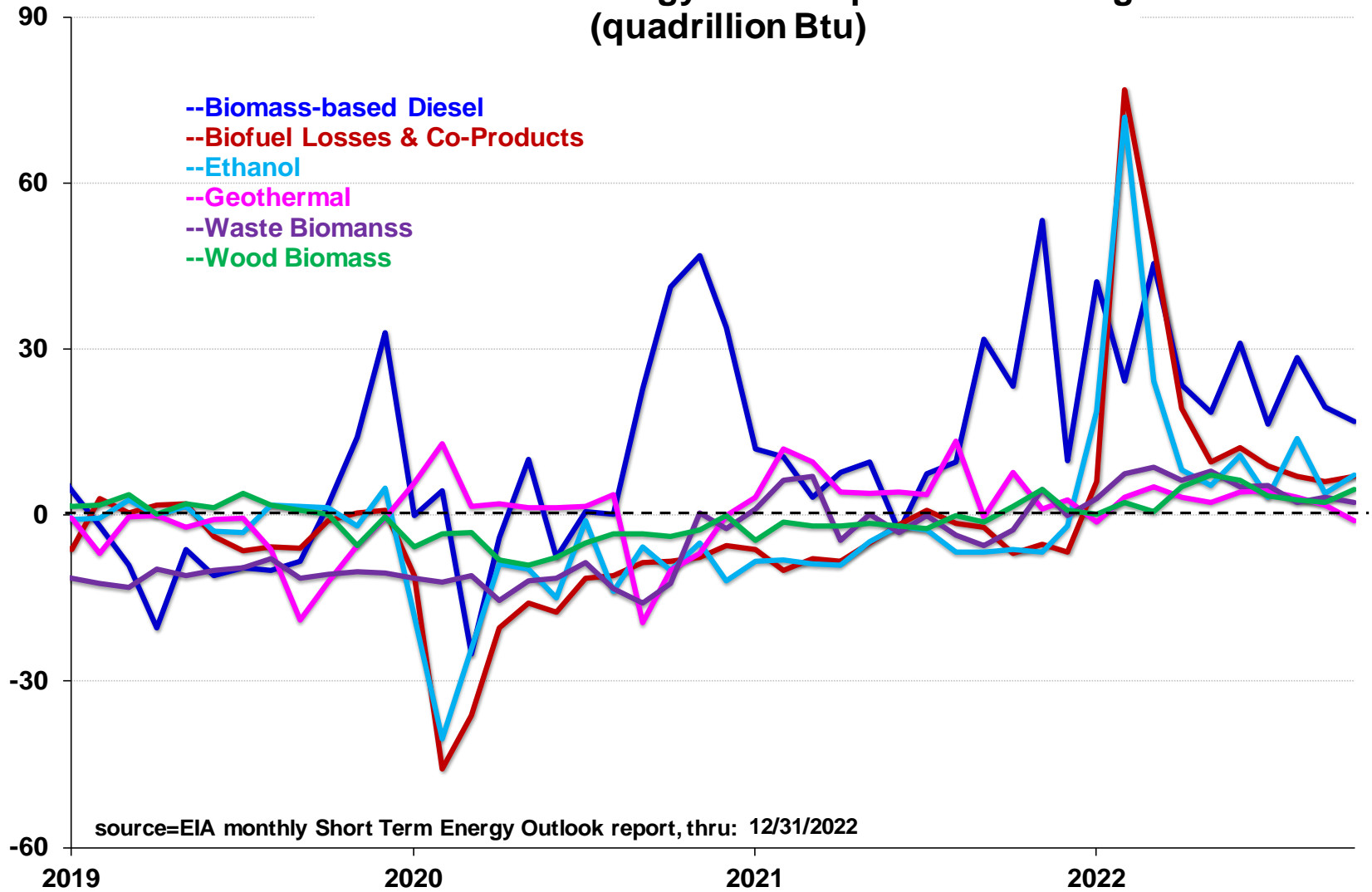
1/31/17 = 100



# US Renewable Energy Consumption (quadrillion Btu)



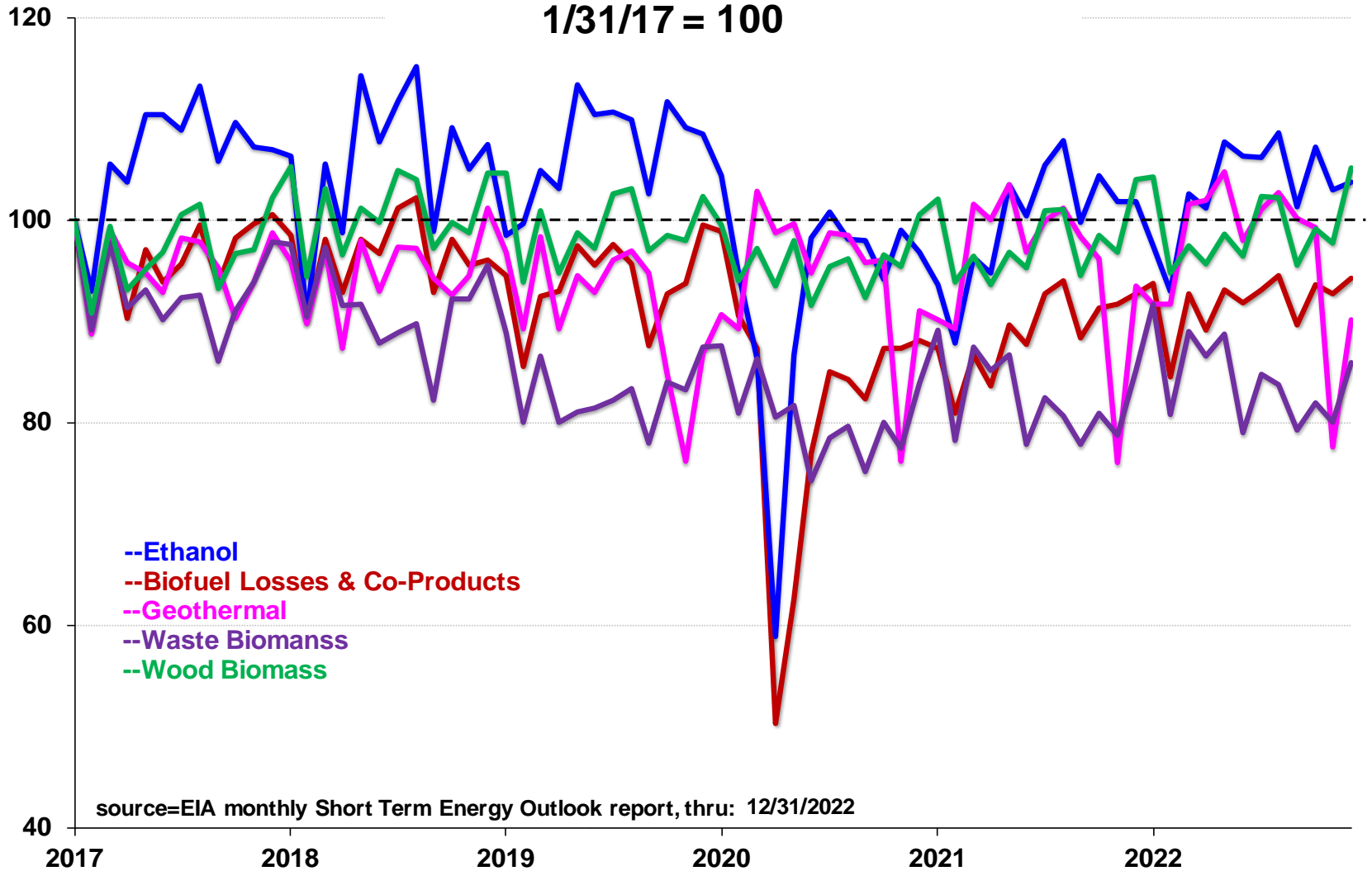
# US Renewable Energy Consumption 2YR % Chg (quadrillion Btu)



source=EIA monthly Short Term Energy Outlook report, thru: 12/31/2022

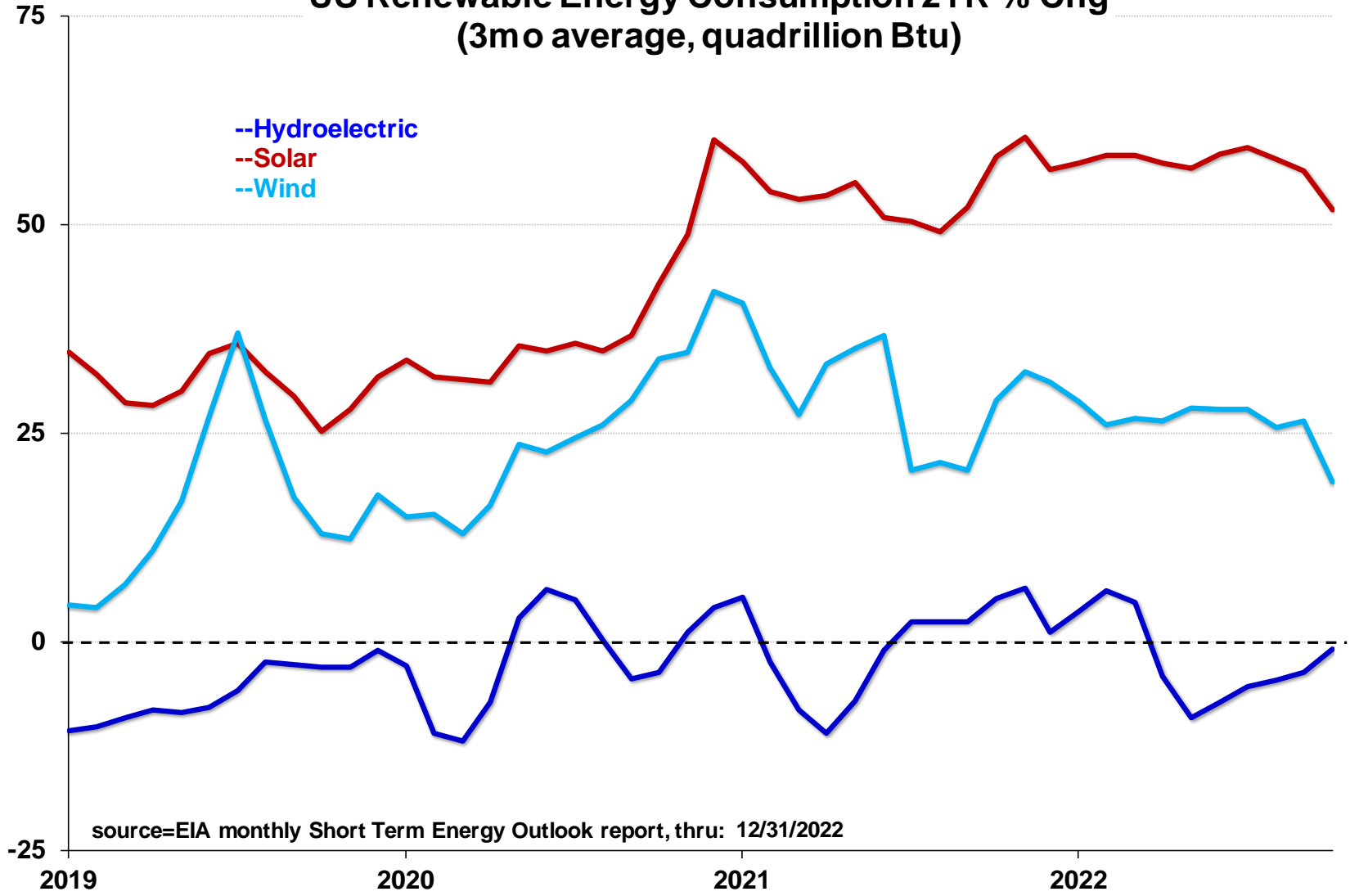
# US Renewable Energy Consumption

1/31/17 = 100



source=EIA monthly Short Term Energy Outlook report, thru: 12/31/2022

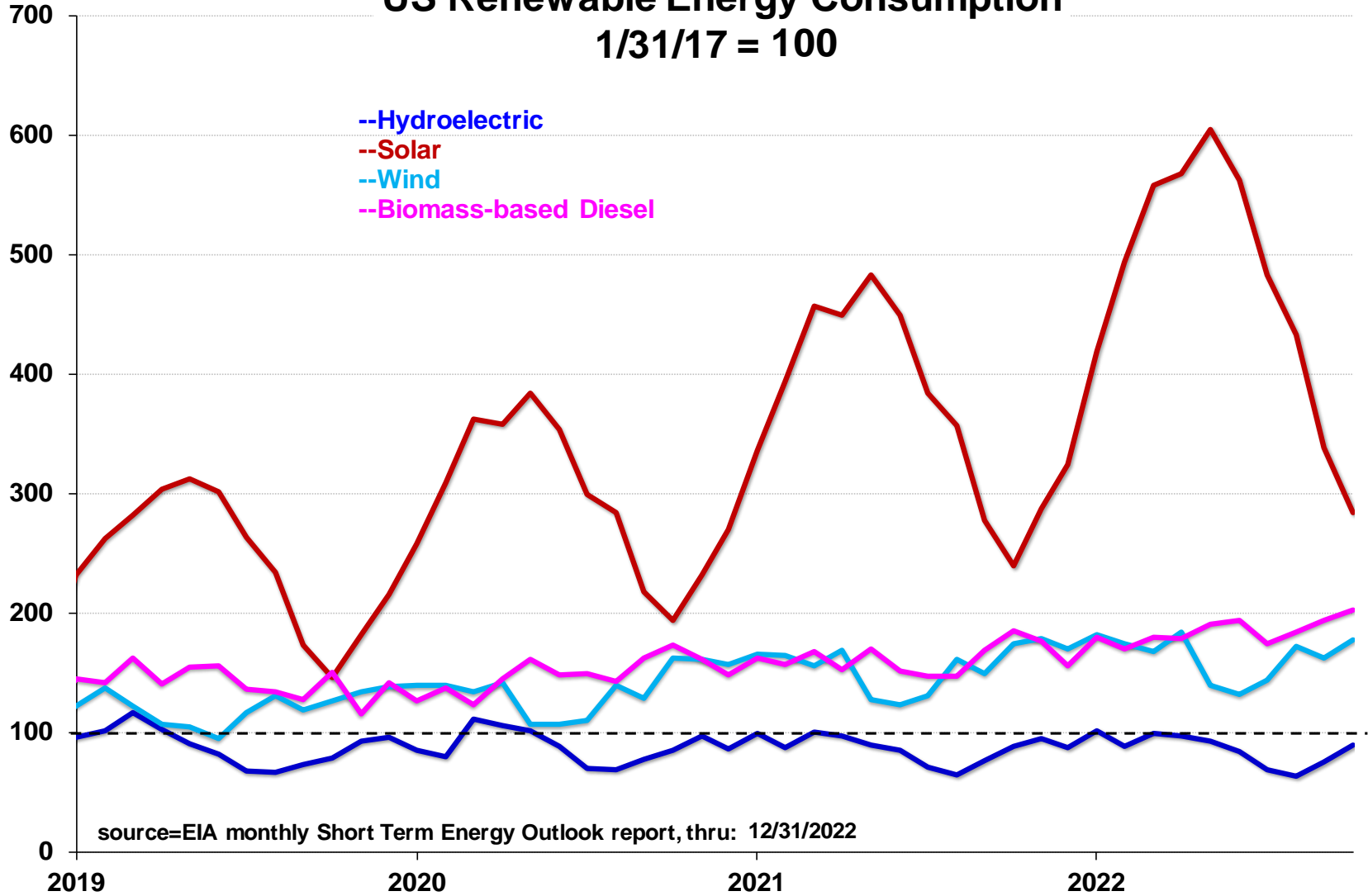
# US Renewable Energy Consumption 2YR % Chg (3mo average, quadrillion Btu)



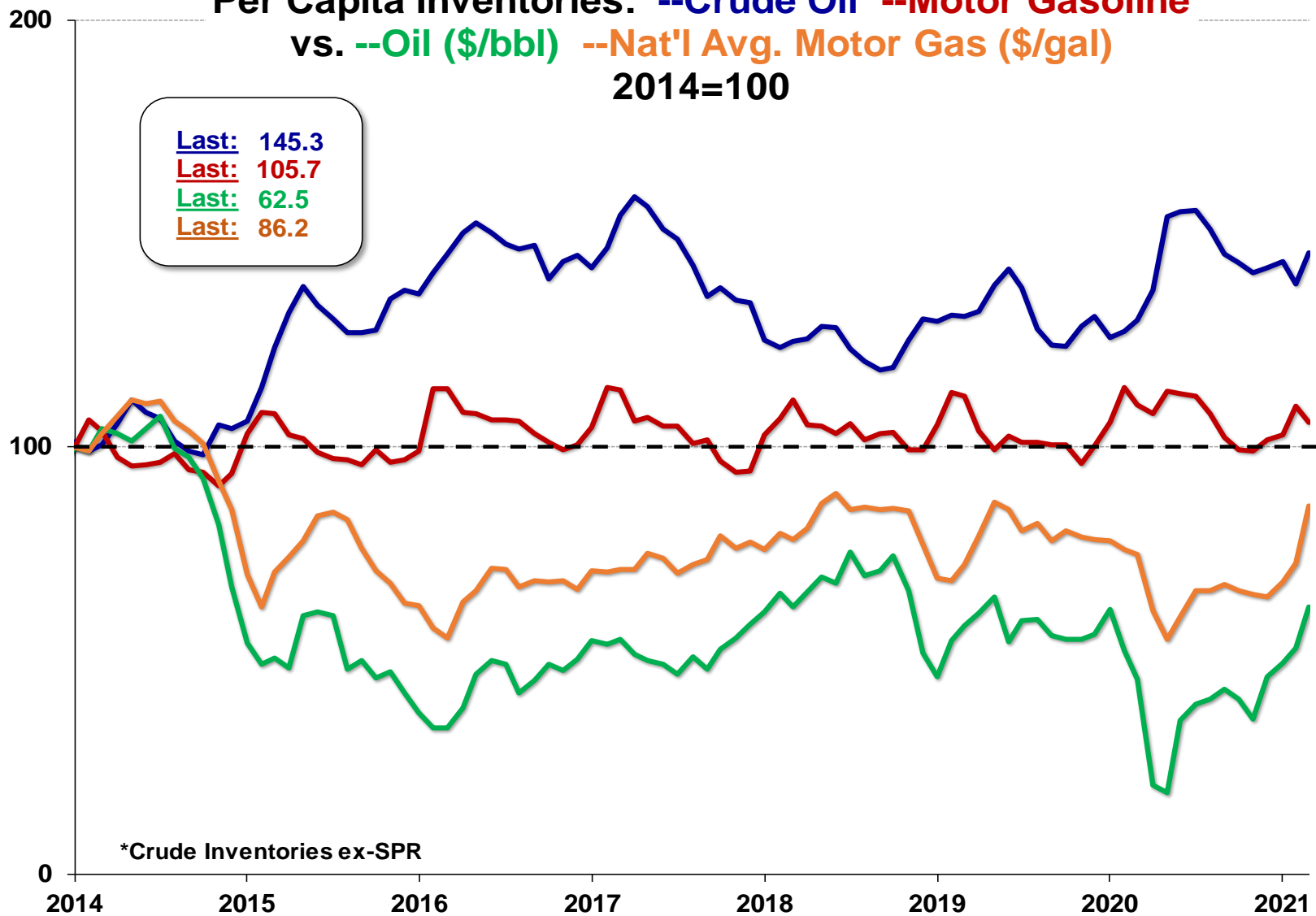
source=EIA monthly Short Term Energy Outlook report, thru: 12/31/2022

# US Renewable Energy Consumption

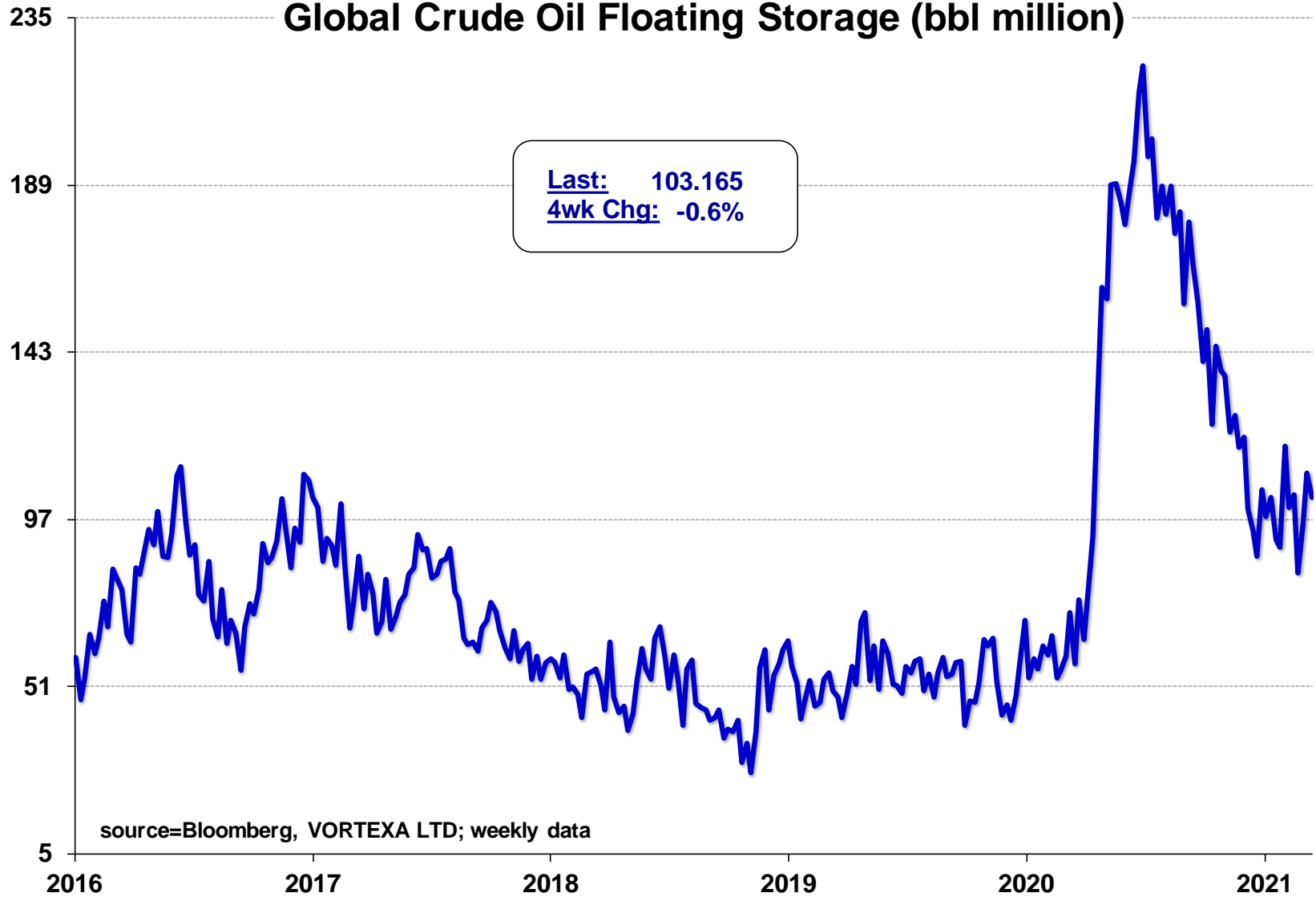
1/31/17 = 100



**Per Capita Inventories: --Crude Oil --Motor Gasoline**  
**vs. --Oil (\$/bbl) --Nat'l Avg. Motor Gas (\$/gal)**  
**2014=100**



# Global Crude Oil Floating Storage (bbl million)

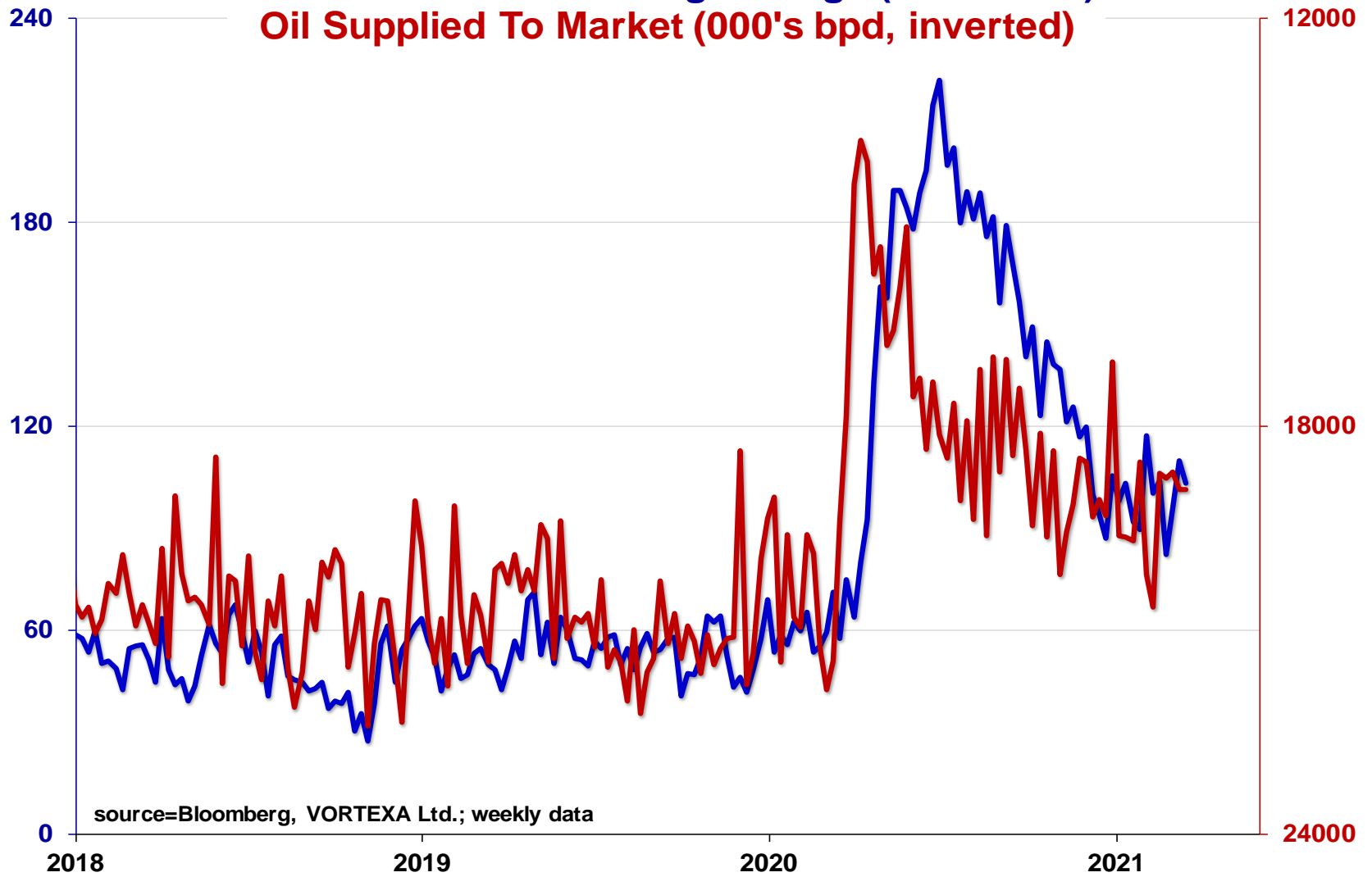


**Last:** 103.165  
**4wk Chg:** -0.6%

source=Bloomberg, VORTEXA LTD; weekly data

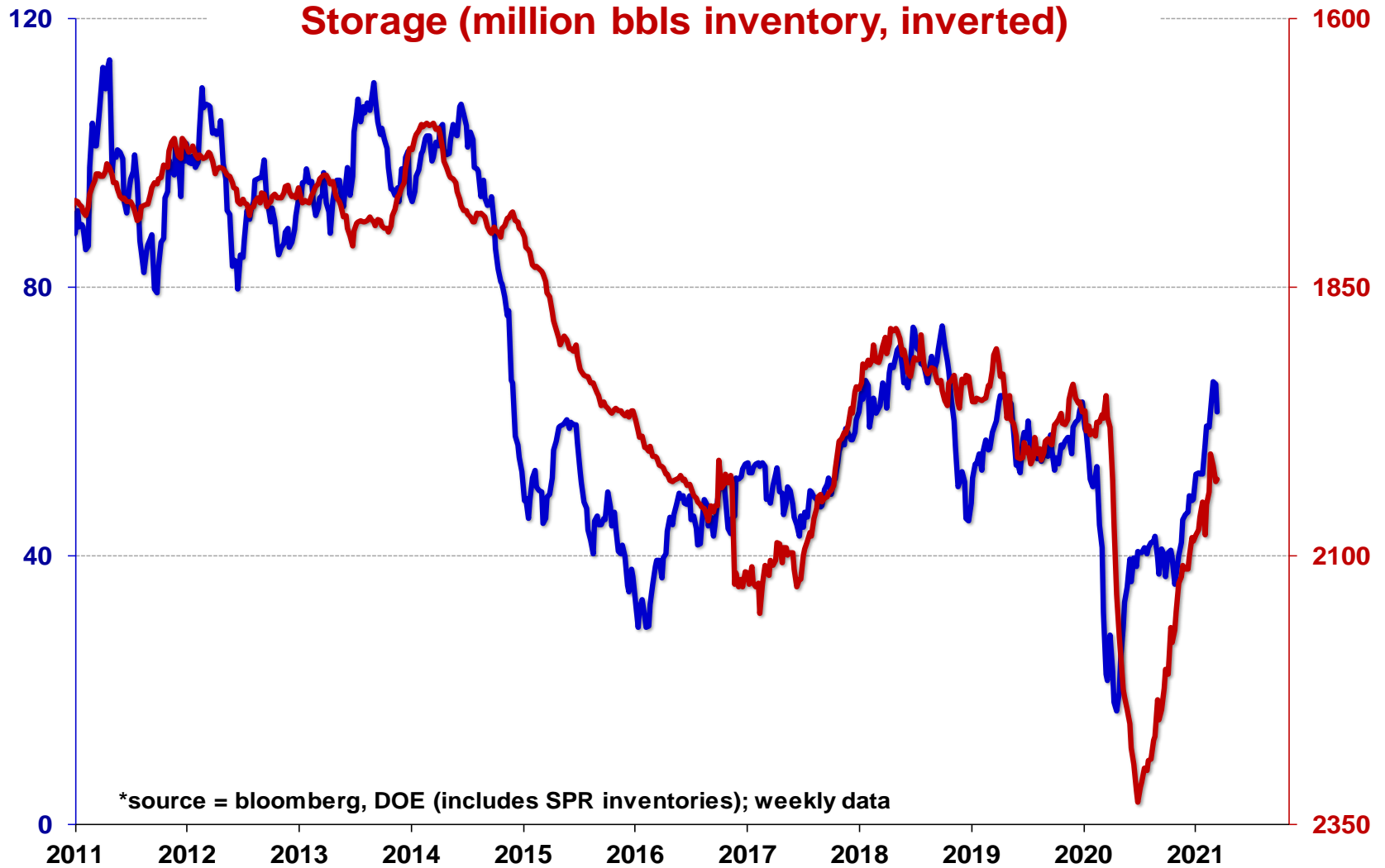


# Global Crude Oil Floating Storage (bbl million) Oil Supplied To Market (000's bpd, inverted)



source=Bloomberg, VORTEXA Ltd.; weekly data

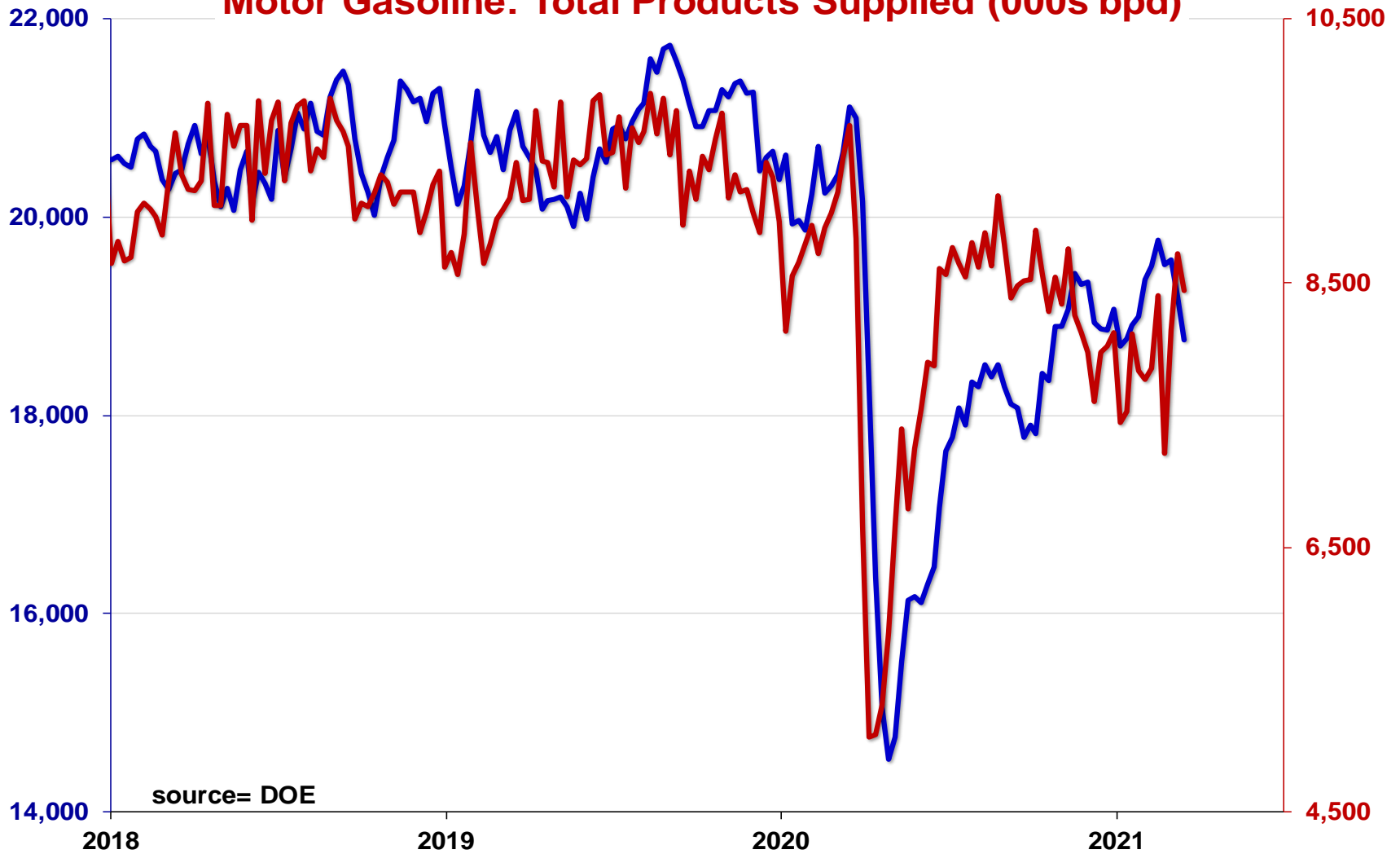
# Crude Oil (\$/bbl) vs. Crude Oil & Petroleum Products + Global Floating Storage (million bbls inventory, inverted)



\*source = bloomberg, DOE (includes SPR inventories); weekly data

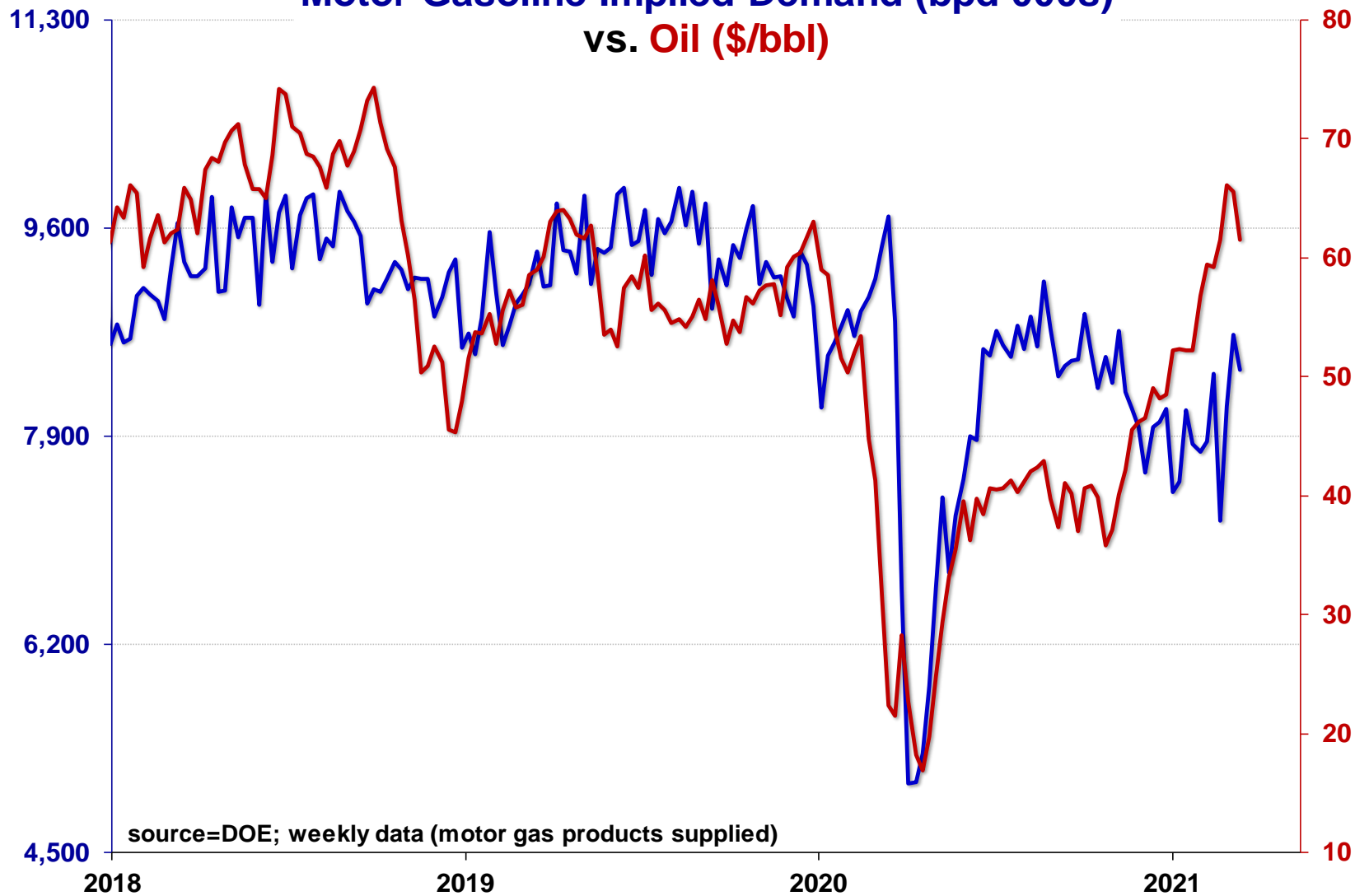
# Oil: Total Products Supplied (000s bpd, 4wk avg)

## Motor Gasoline: Total Products Supplied (000s bpd)



source= DOE

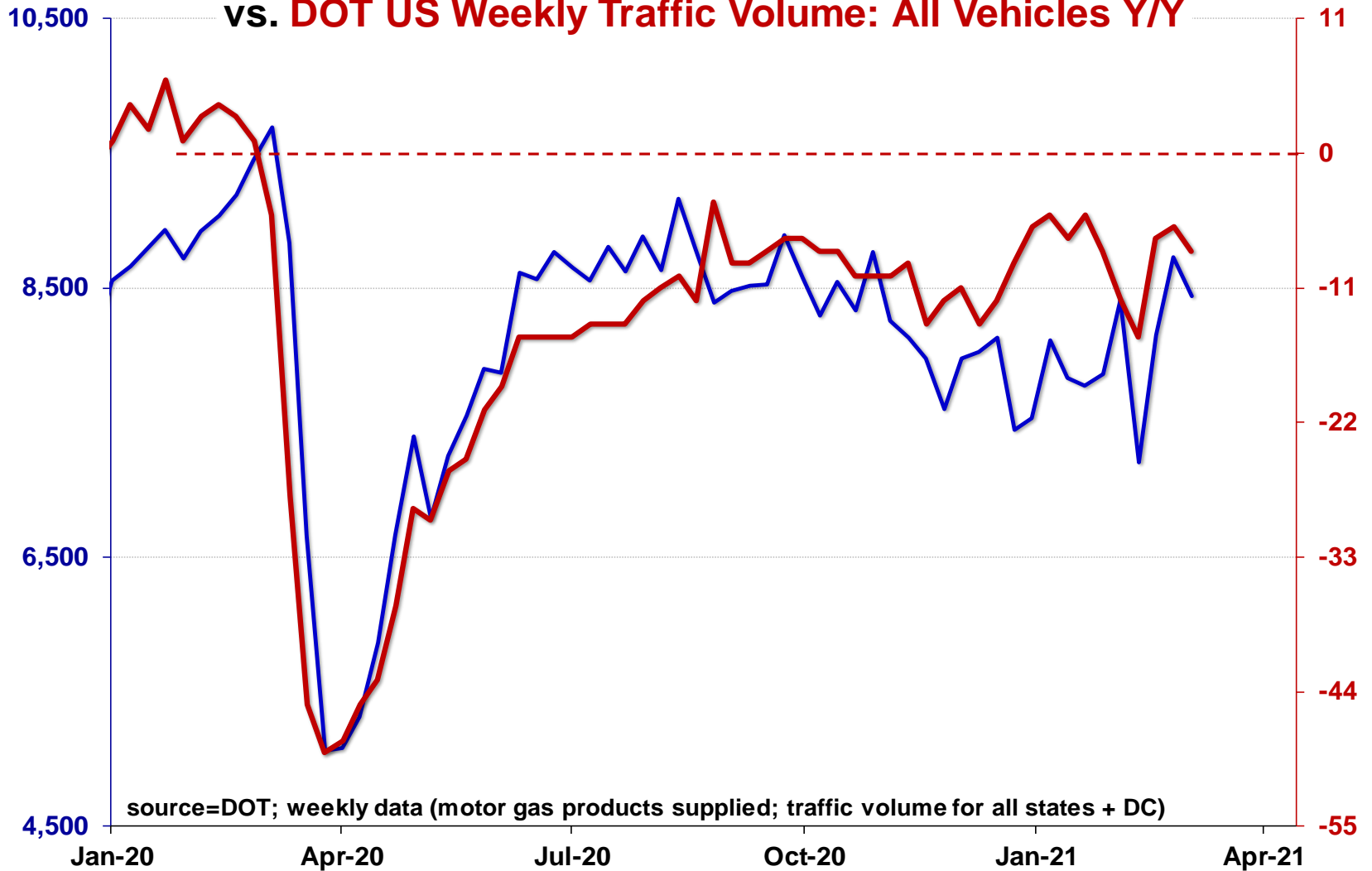
# Motor Gasoline Implied Demand (bpd 000s) vs. Oil (\$/bbl)



source=DOE; weekly data (motor gas products supplied)

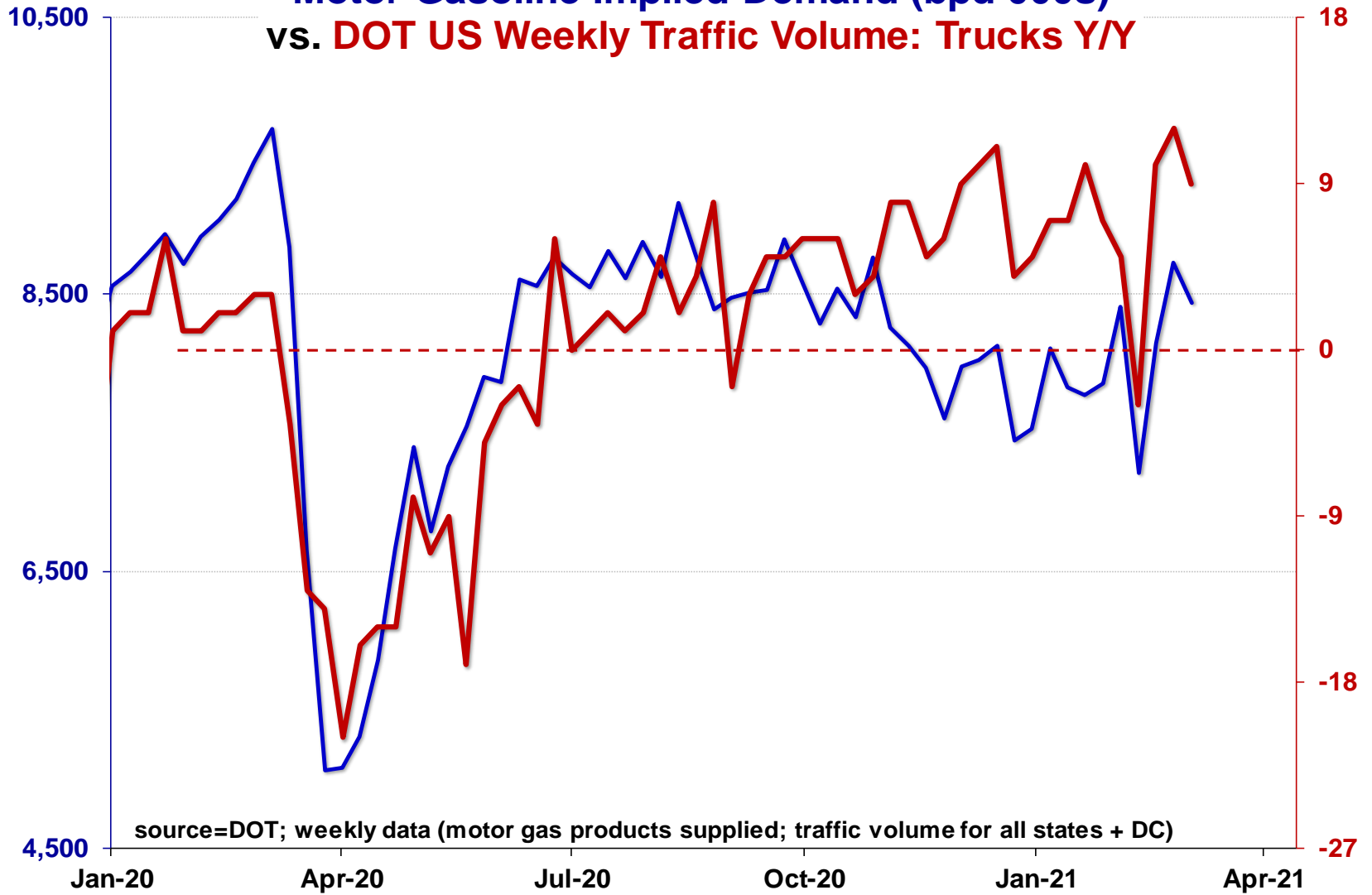
# Motor Gasoline Implied Demand (bpd 000s)

vs. DOT US Weekly Traffic Volume: All Vehicles Y/Y



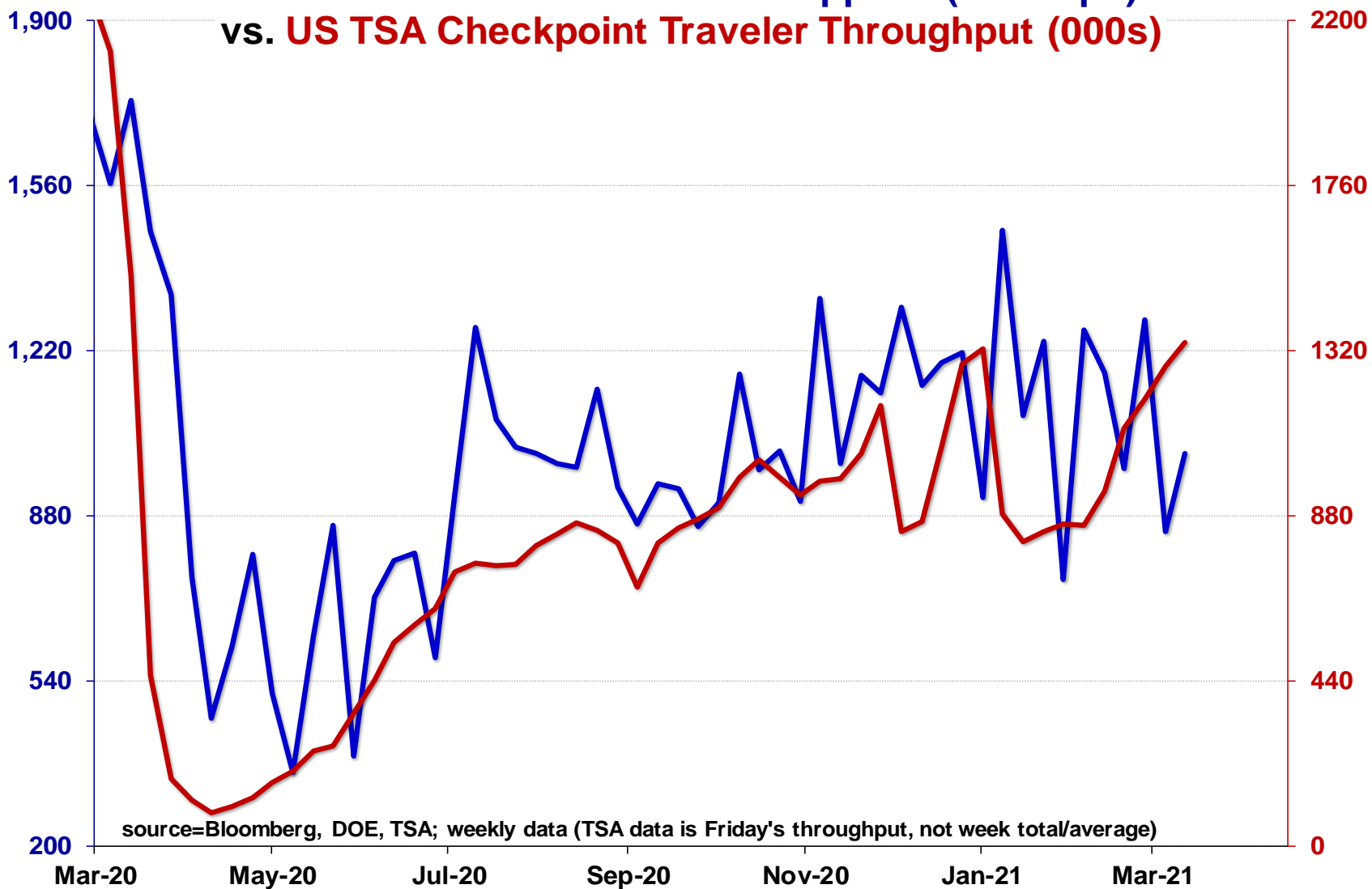
source=DOT; weekly data (motor gas products supplied; traffic volume for all states + DC)

# Motor Gasoline Implied Demand (bpd 000s) vs. DOT US Weekly Traffic Volume: Trucks Y/Y



source=DOT; weekly data (motor gas products supplied; traffic volume for all states + DC)

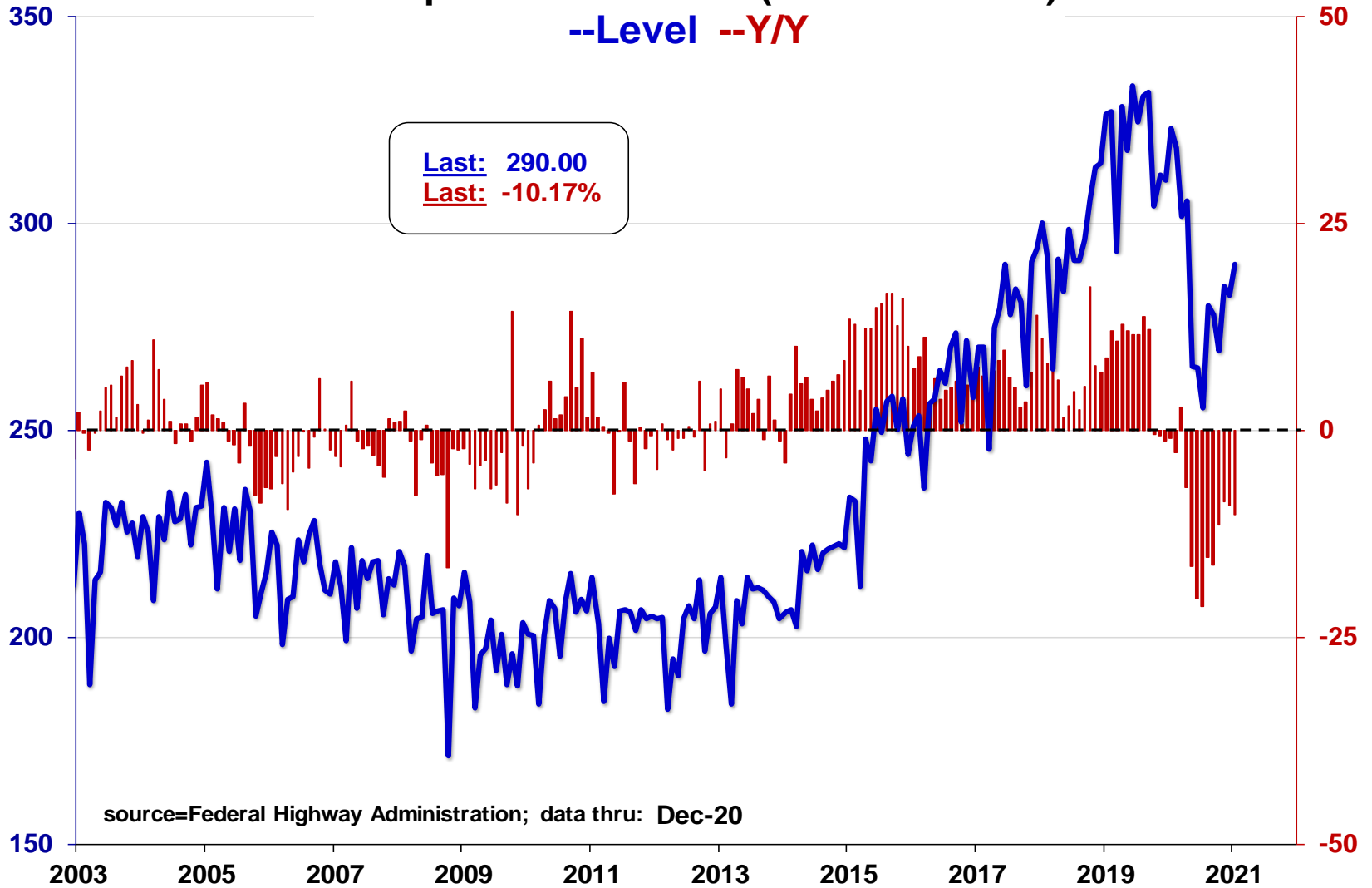
## DOE Jet Kerosene Products Supplied (000s bpd) vs. US TSA Checkpoint Traveler Throughput (000s)



source=Bloomberg, DOE, TSA; weekly data (TSA data is Friday's throughput, not week total/average)

# US Pipeline Movement (million barrels)

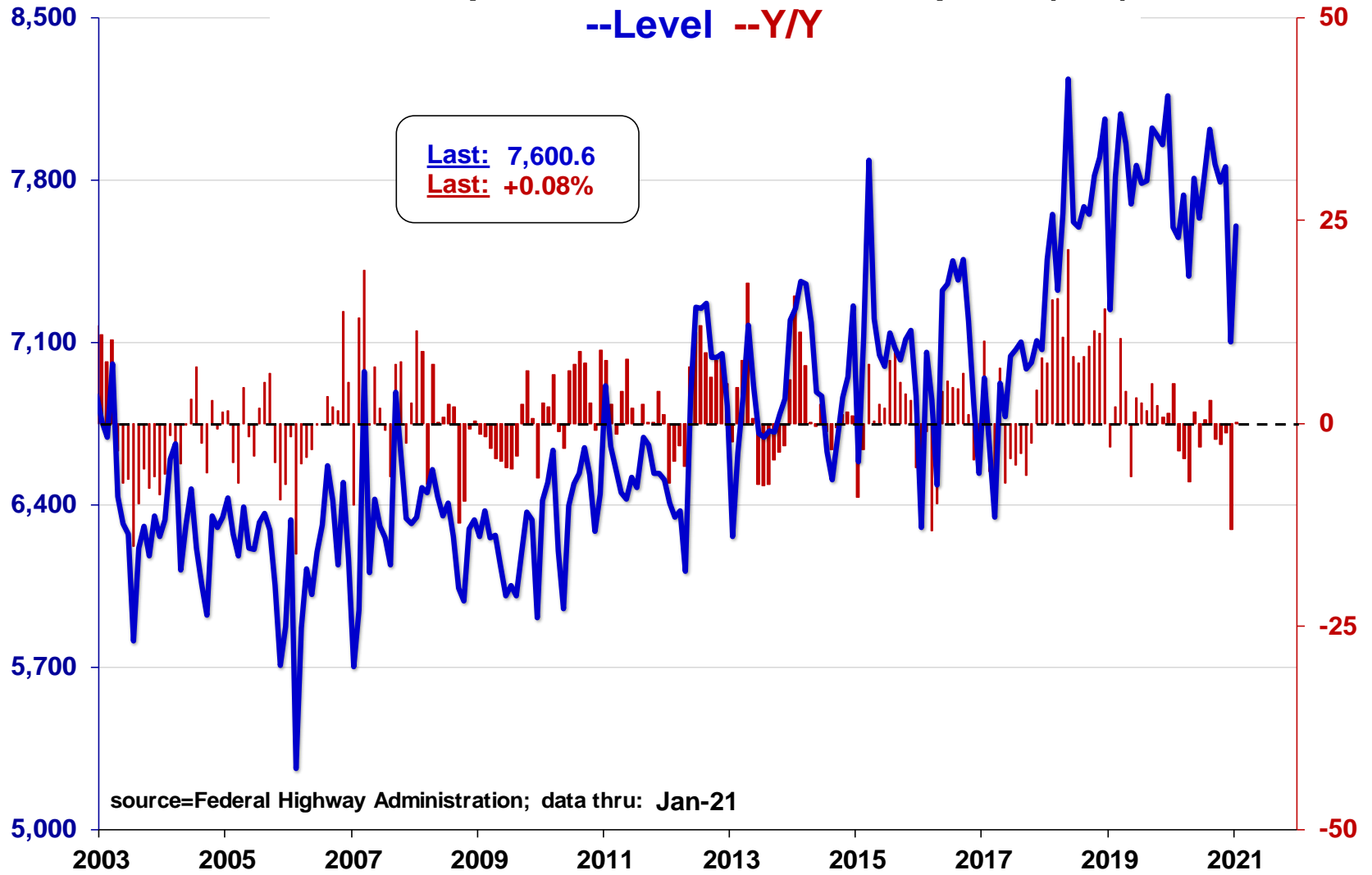
--Level --Y/Y





# US Per Capita Natural Gas Consumption (Bcf)

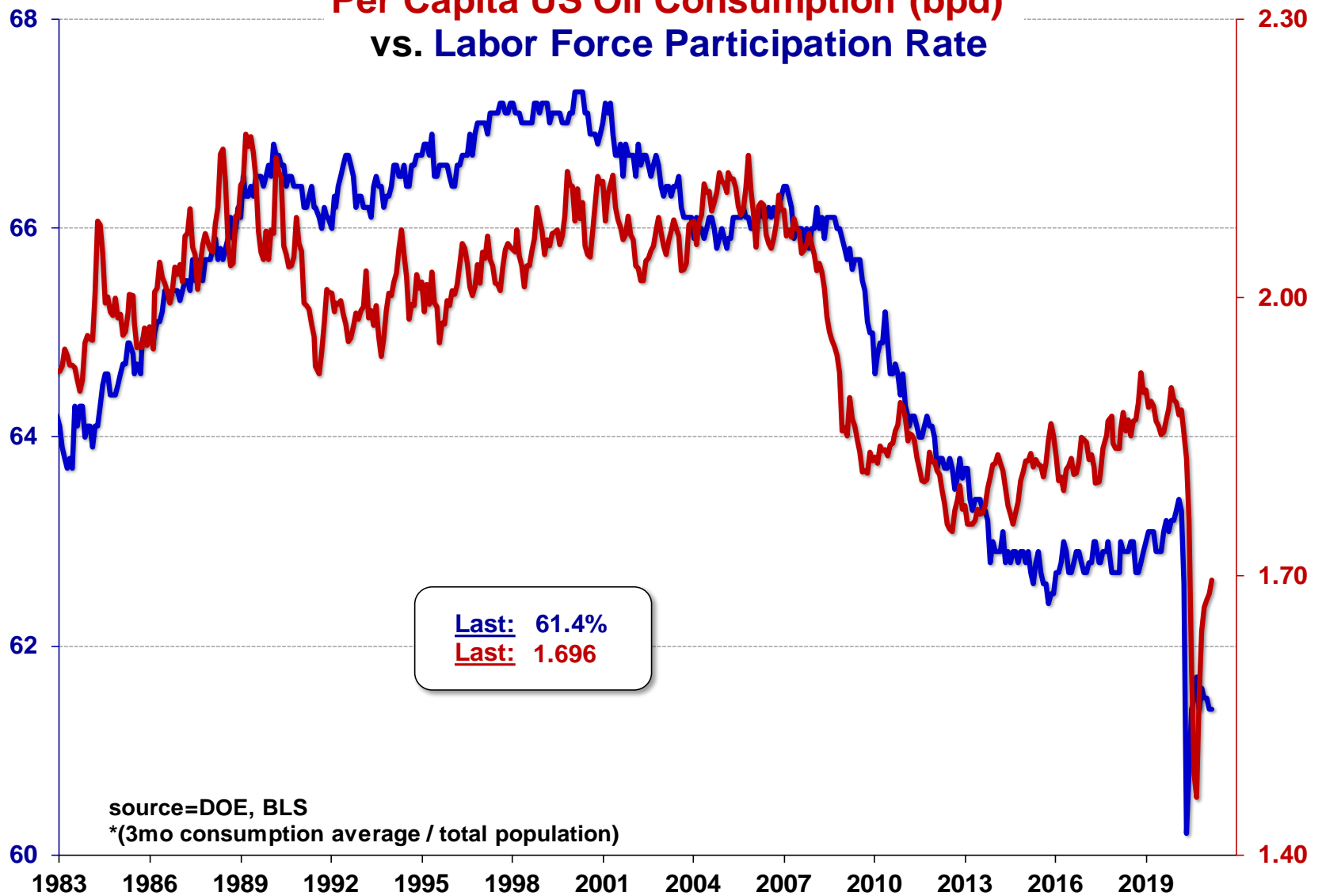
--Level --Y/Y



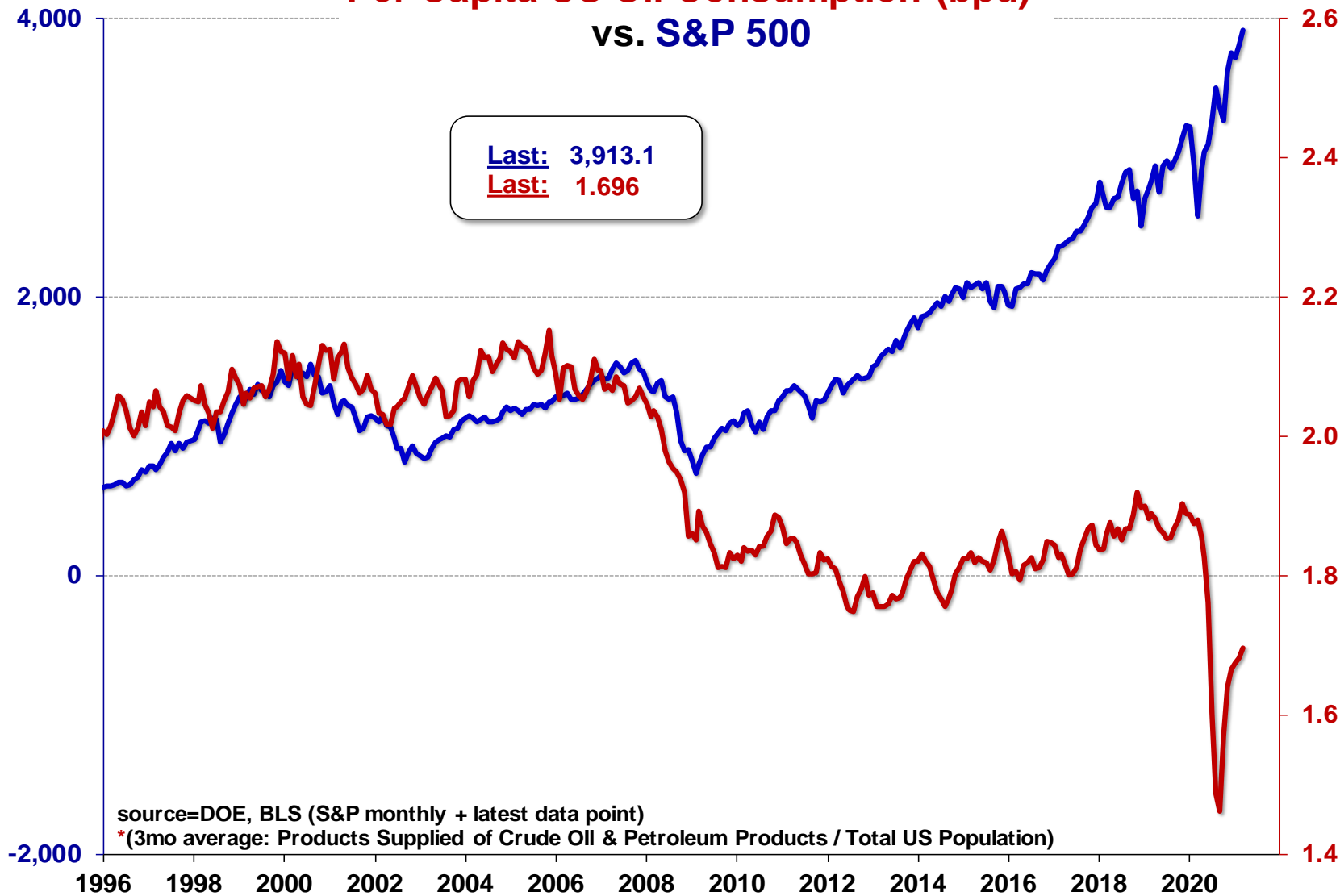
Last: 7,600.6  
Last: +0.08%

source=Federal Highway Administration; data thru: Jan-21

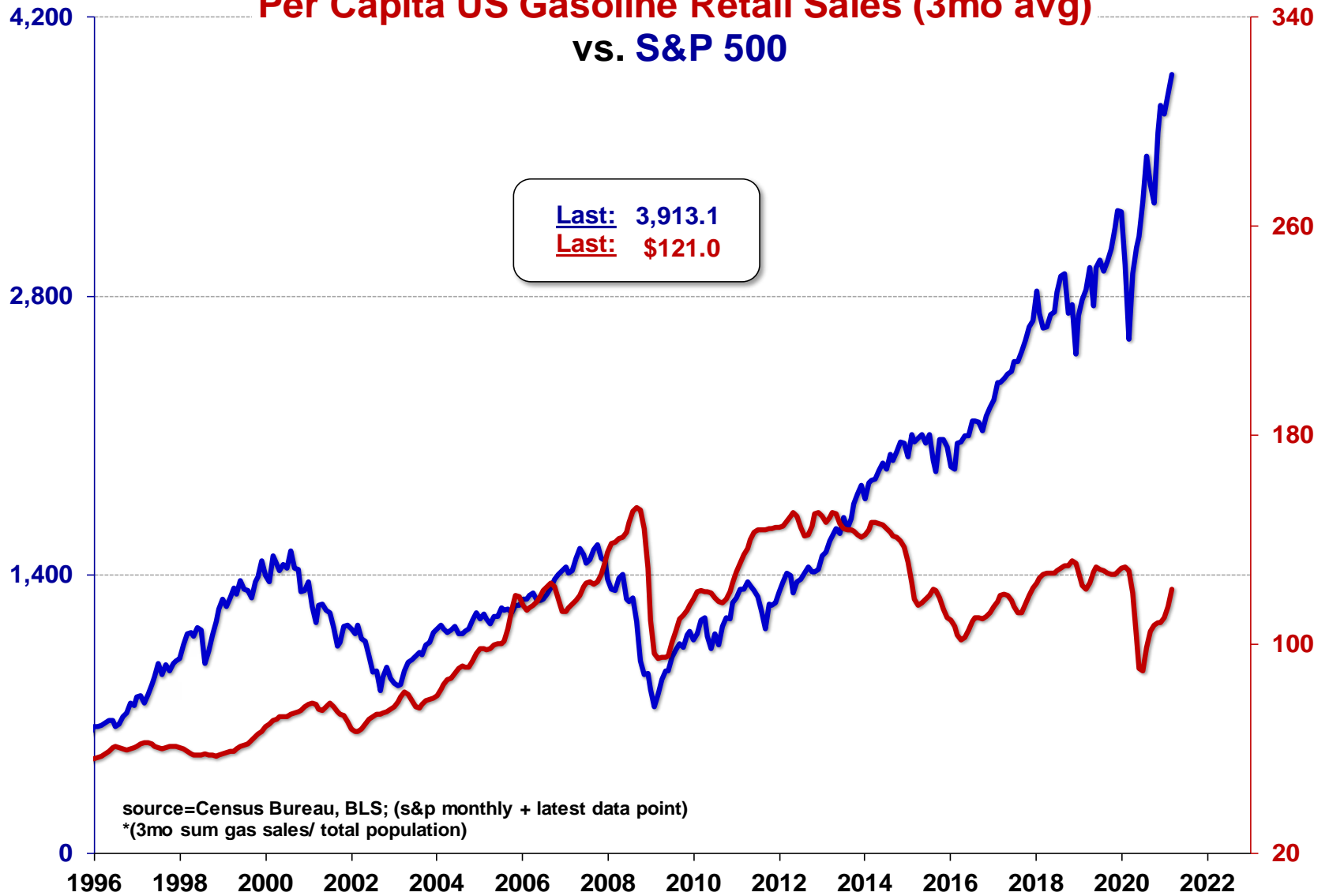
# Per Capita US Oil Consumption (bpd)\* vs. Labor Force Participation Rate



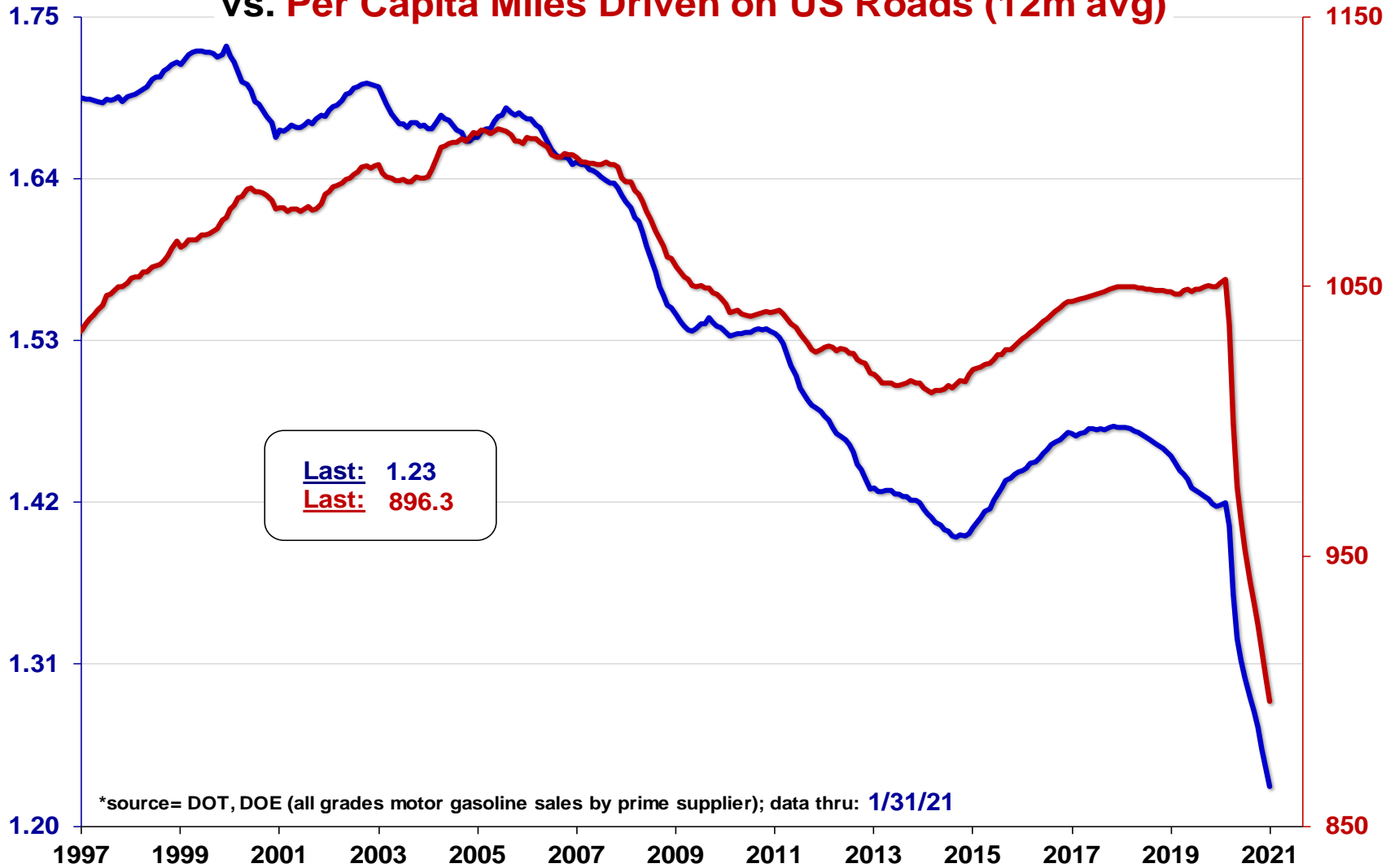
# Per Capita US Oil Consumption (bpd)\* vs. S&P 500



# Per Capita US Gasoline Retail Sales (3mo avg) vs. S&P 500

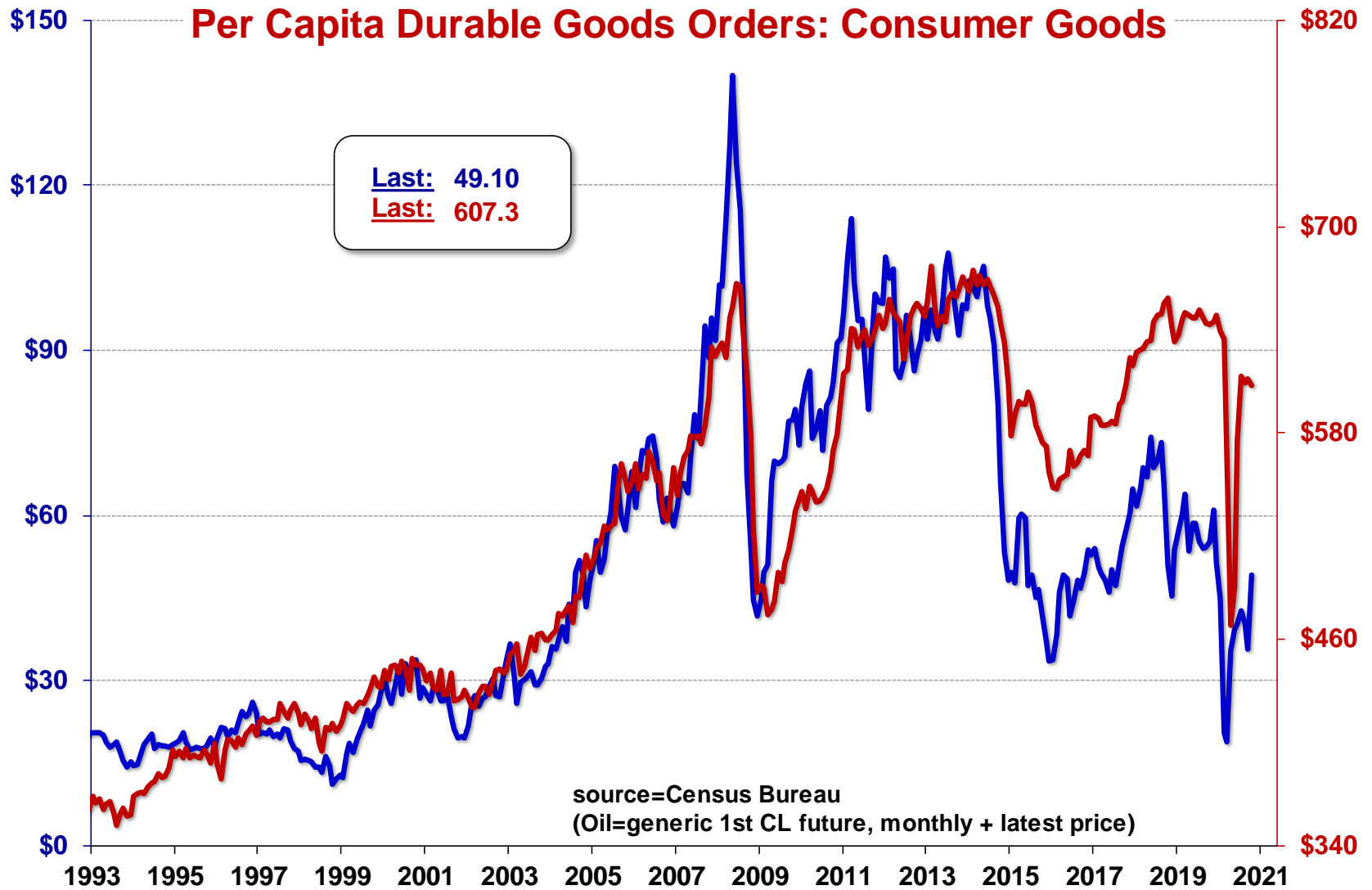


## Per Capita US Gasoline Sales (gpd, 12mo avg) vs. Per Capita Miles Driven on US Roads (12m avg)

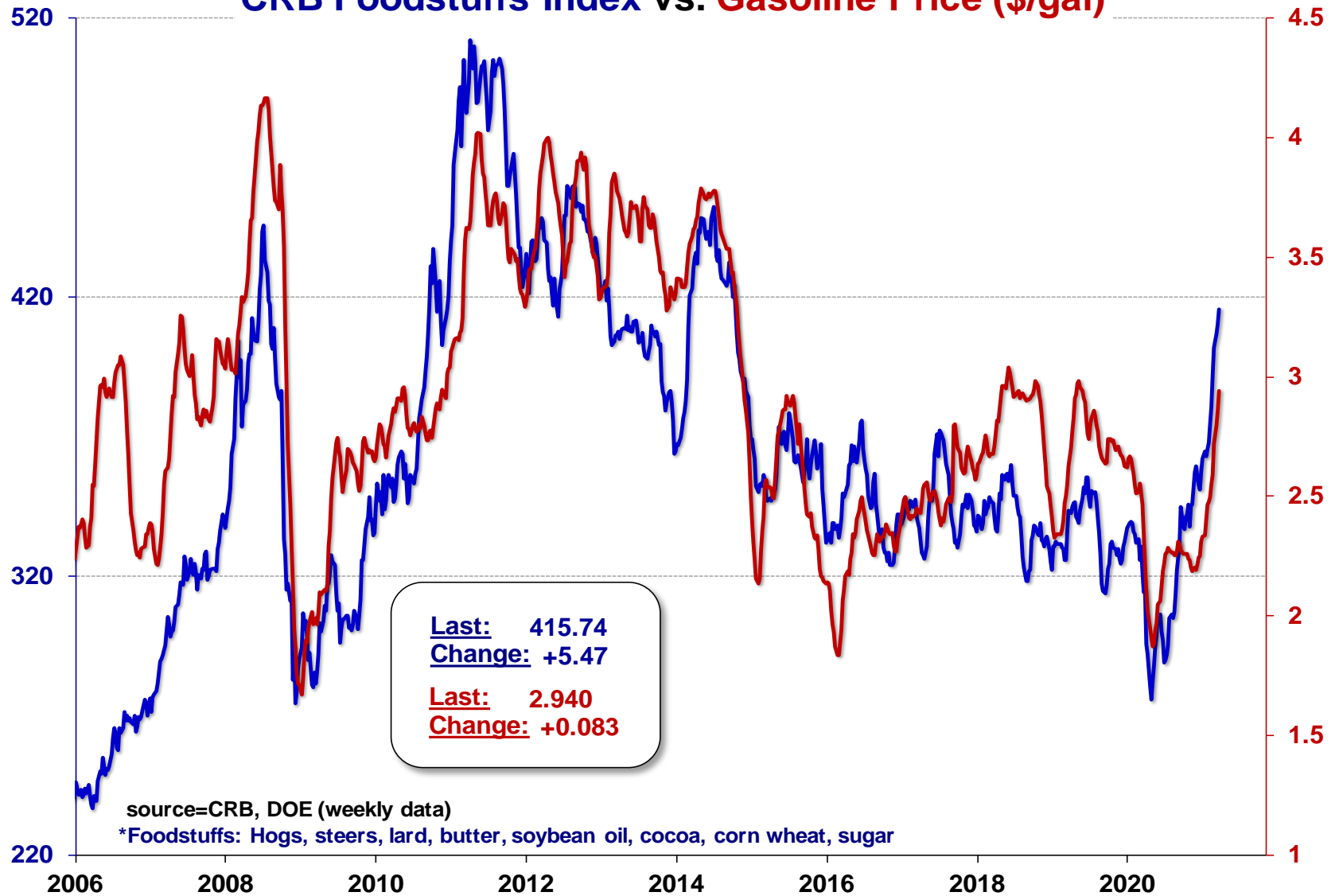


\*source= DOT, DOE (all grades motor gasoline sales by prime supplier); data thru: 1/31/21

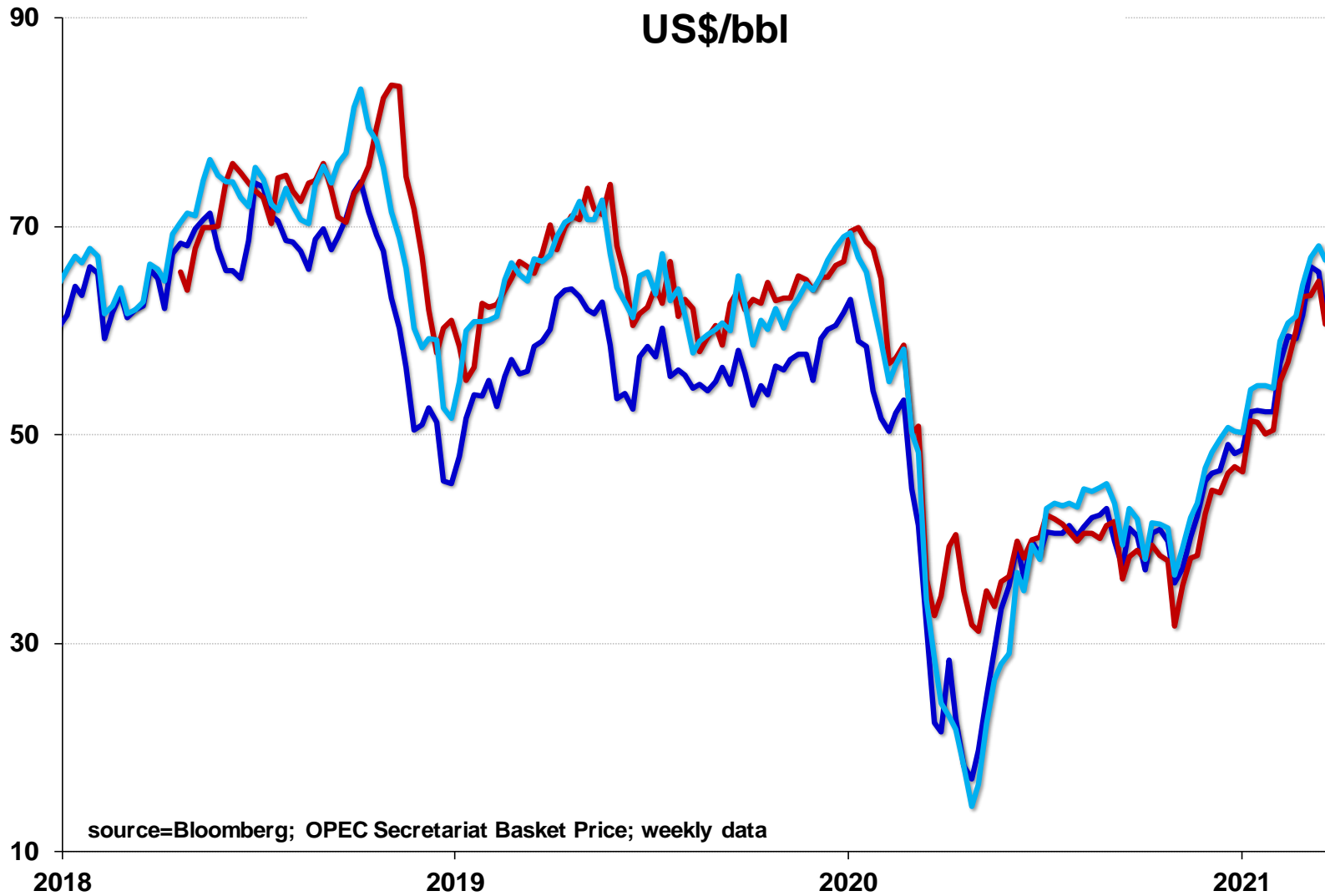
# Oil (\$/bbl) vs. Per Capita Durable Goods Orders: Consumer Goods



# CRB Foodstuffs Index vs. Gasoline Price (\$/gal)



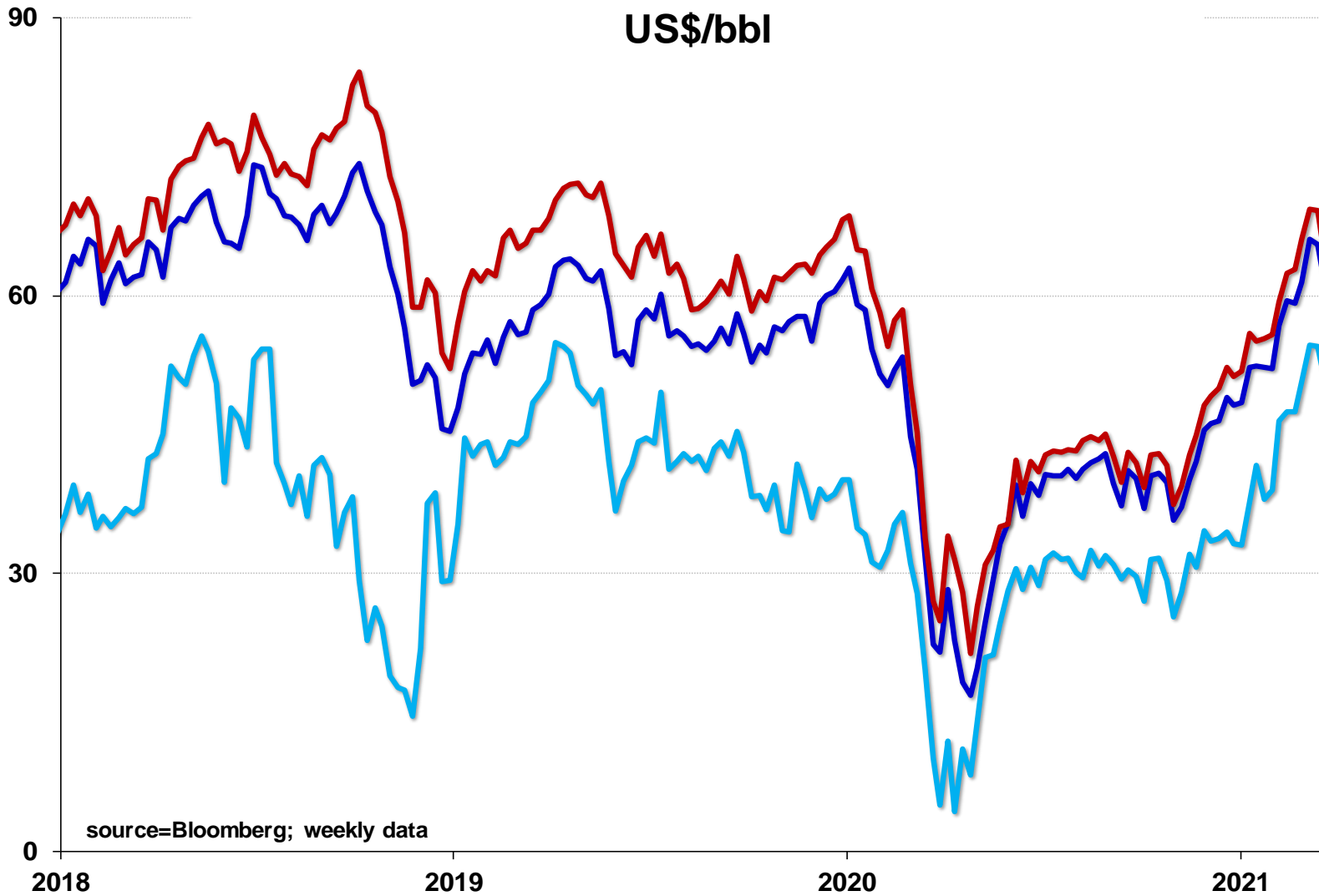
--WTI Crude --China Crude --OPEC Crude  
US\$/bbl



source=Bloomberg; OPEC Secretariat Basket Price; weekly data

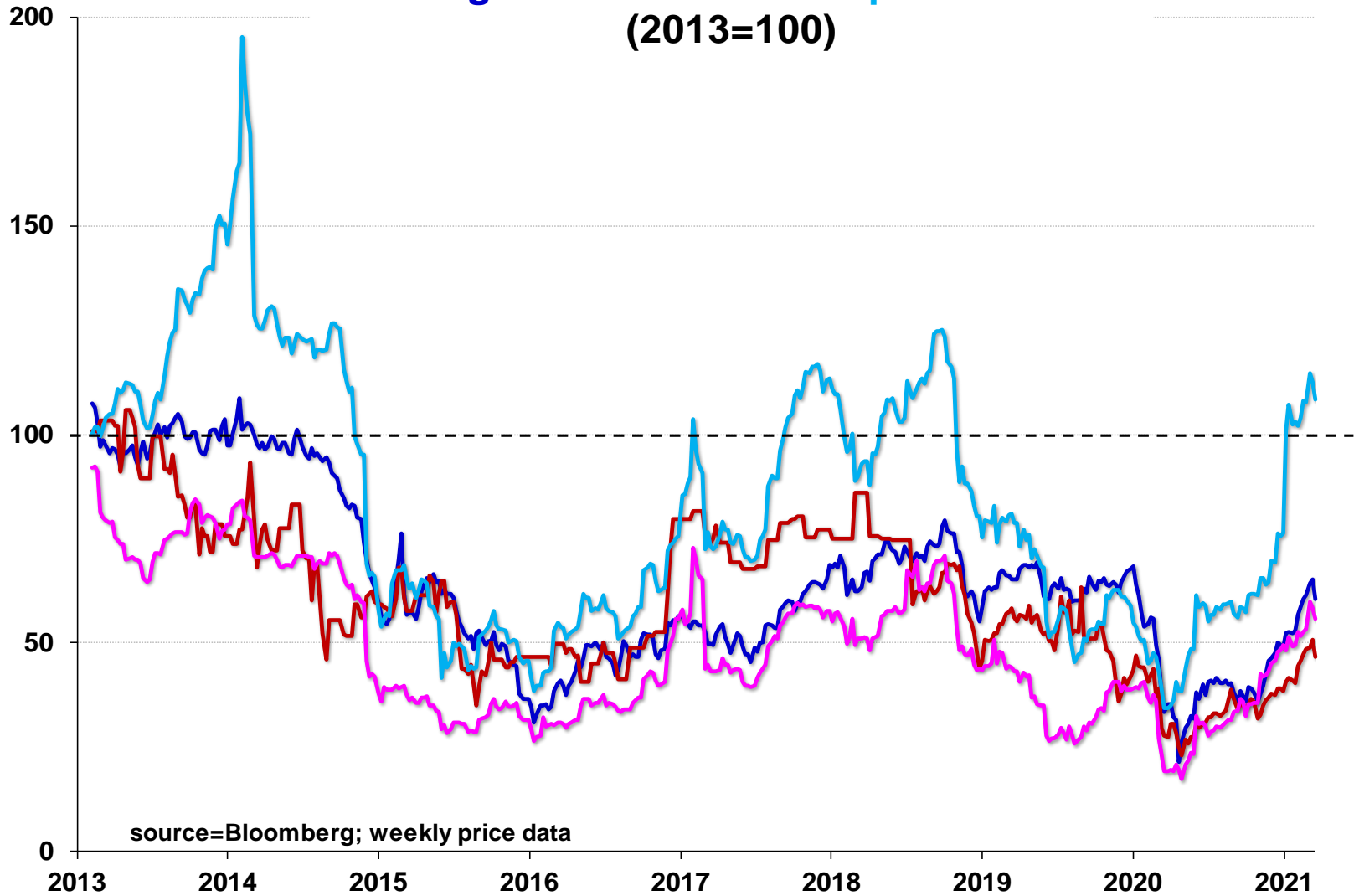


--WTI Crude --Brent Crude --Western Canada Select  
US\$/bbl



source=Bloomberg; weekly data

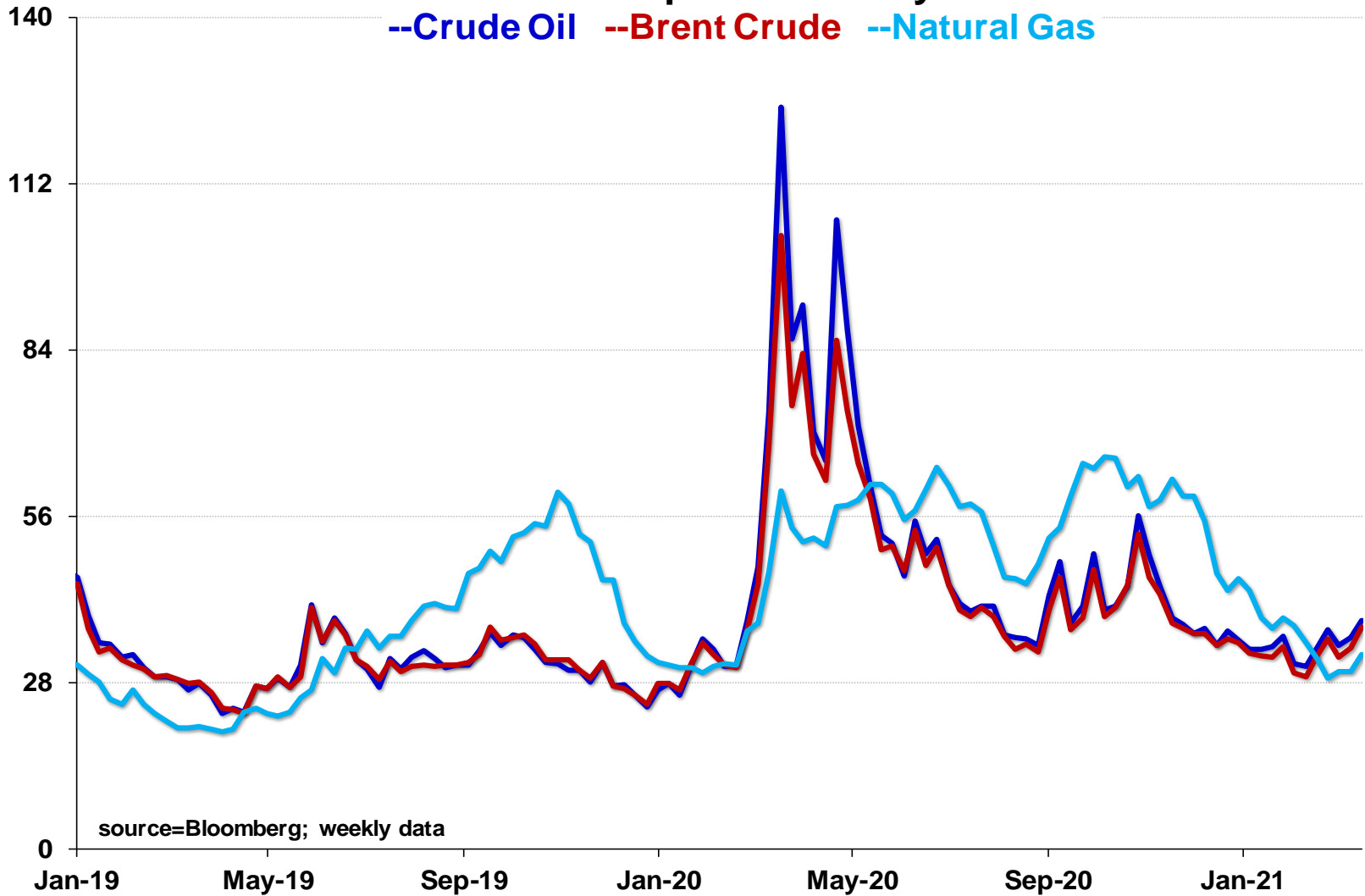
--Heating Oil --Fuel Oil --Propane --Butane  
(2013=100)



source=Bloomberg; weekly price data

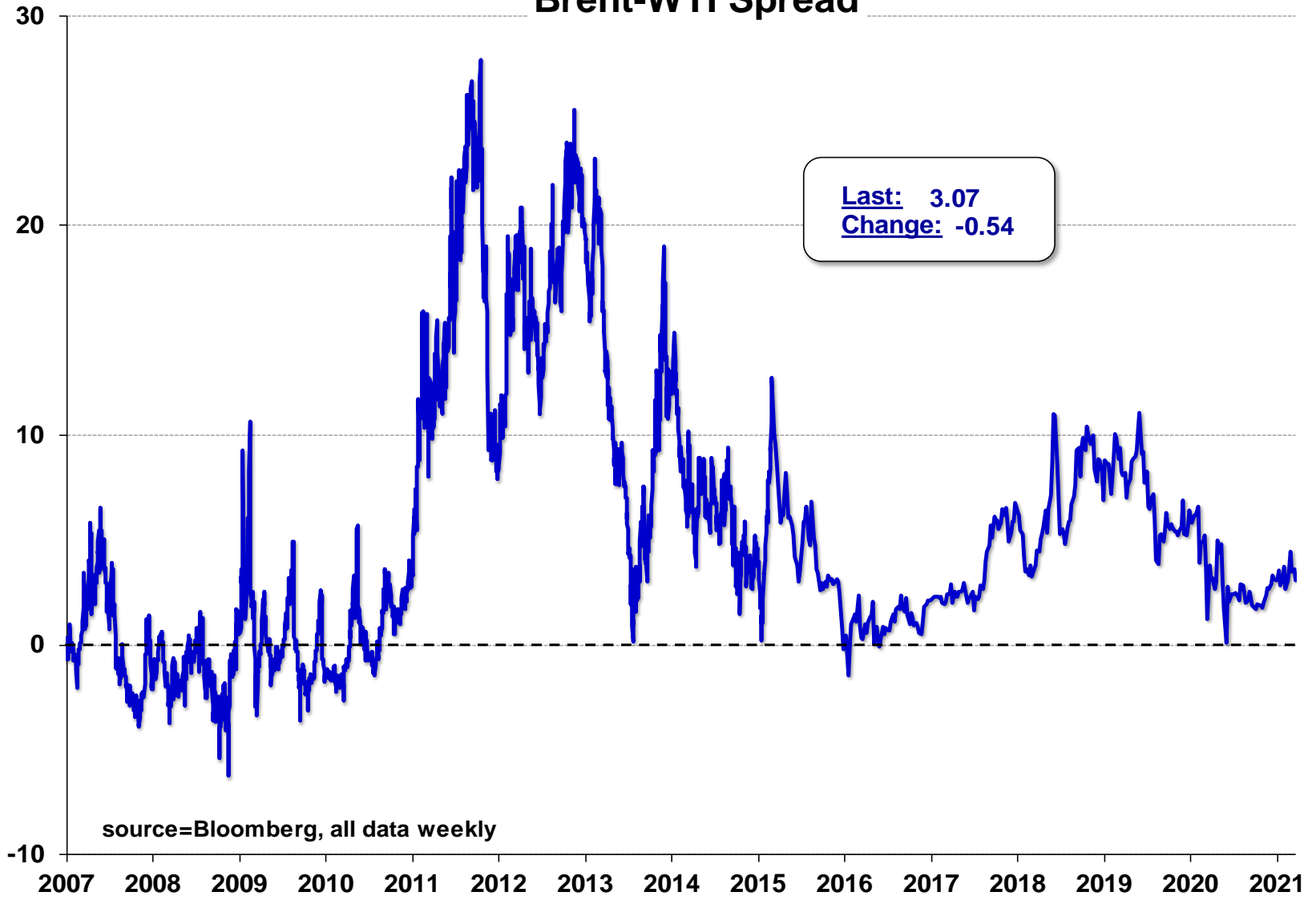
# 3M Implied Volatility

--Crude Oil --Brent Crude --Natural Gas



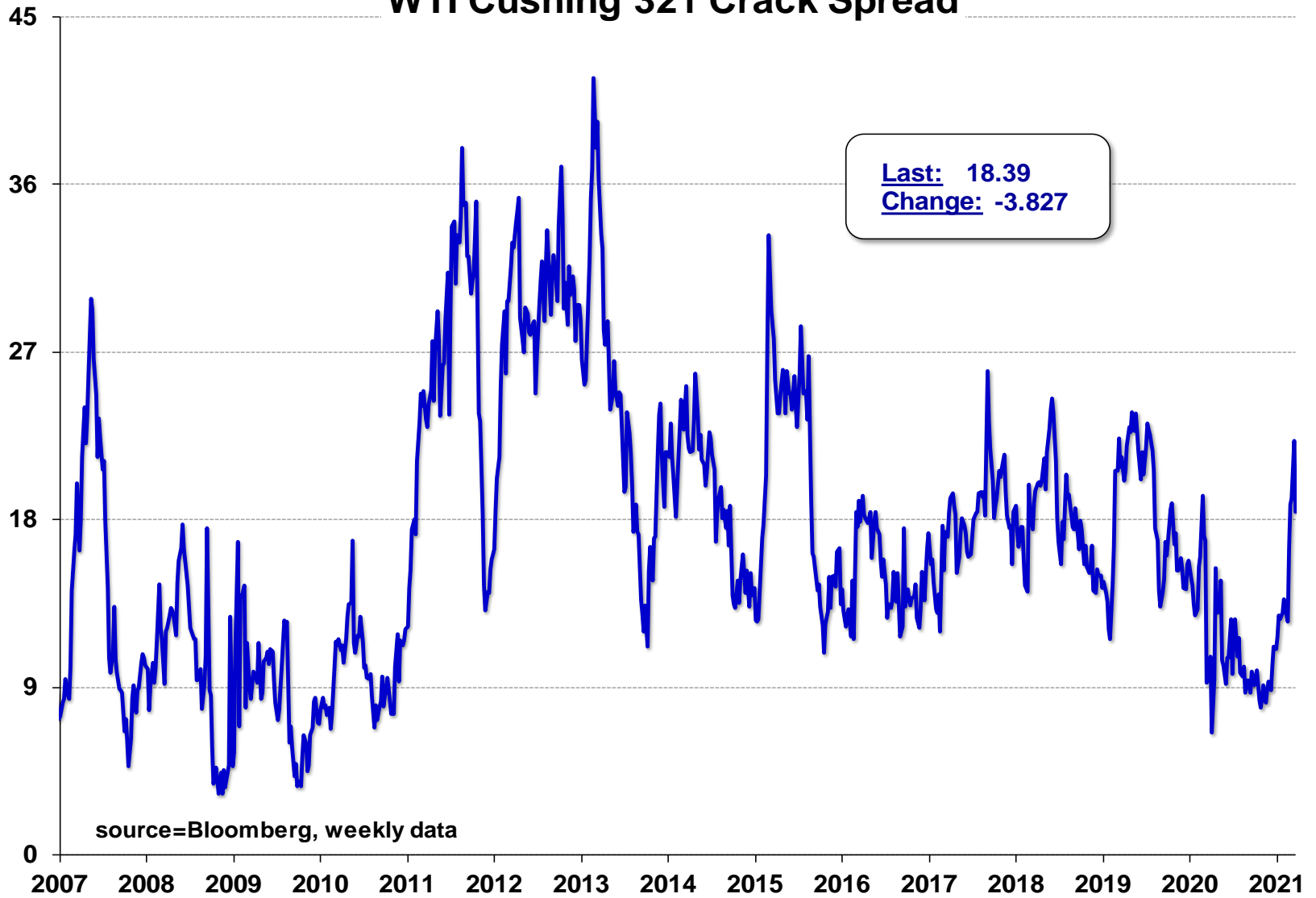
source=Bloomberg; weekly data

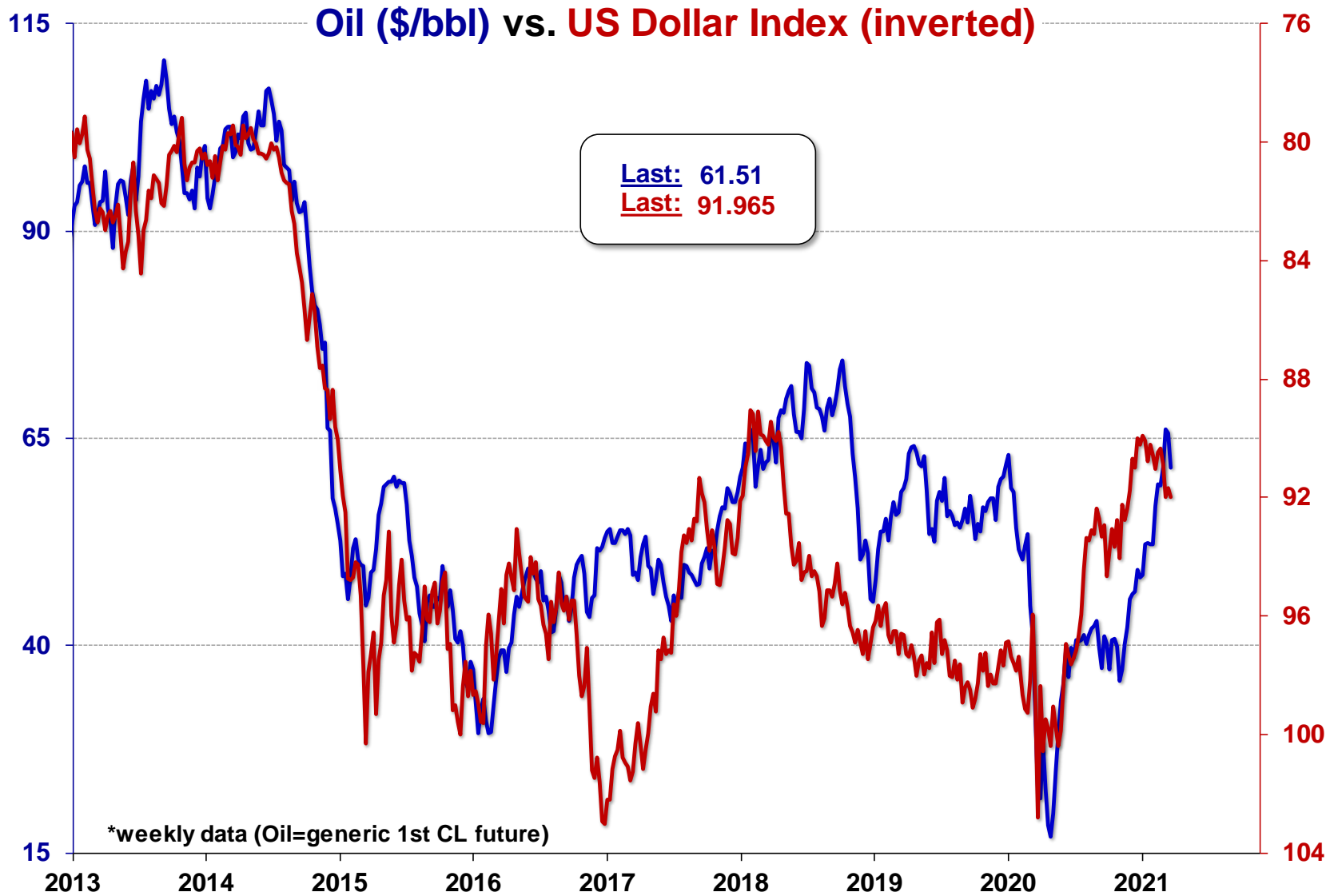
# Brent-WTI Spread

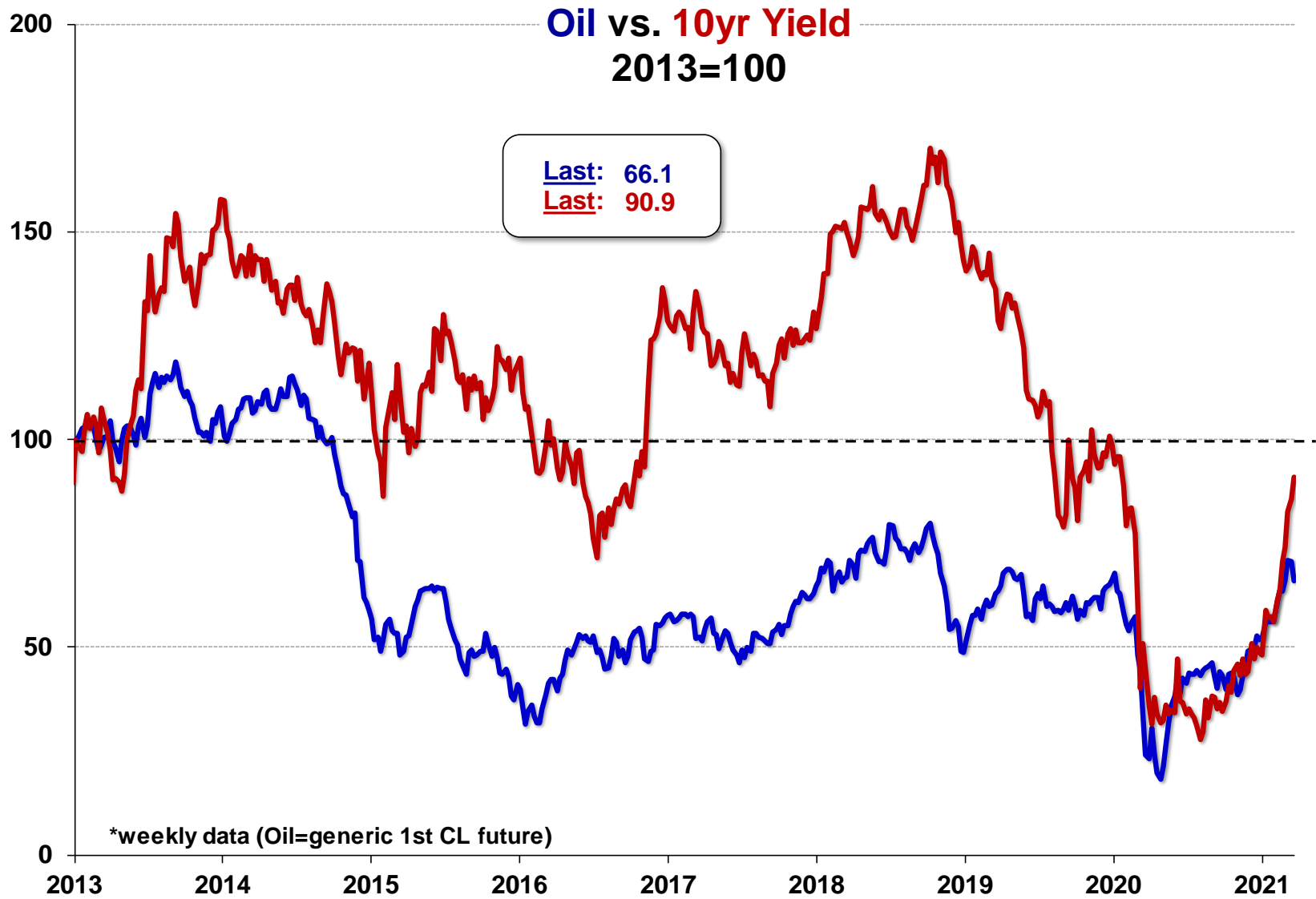


source=Bloomberg, all data weekly

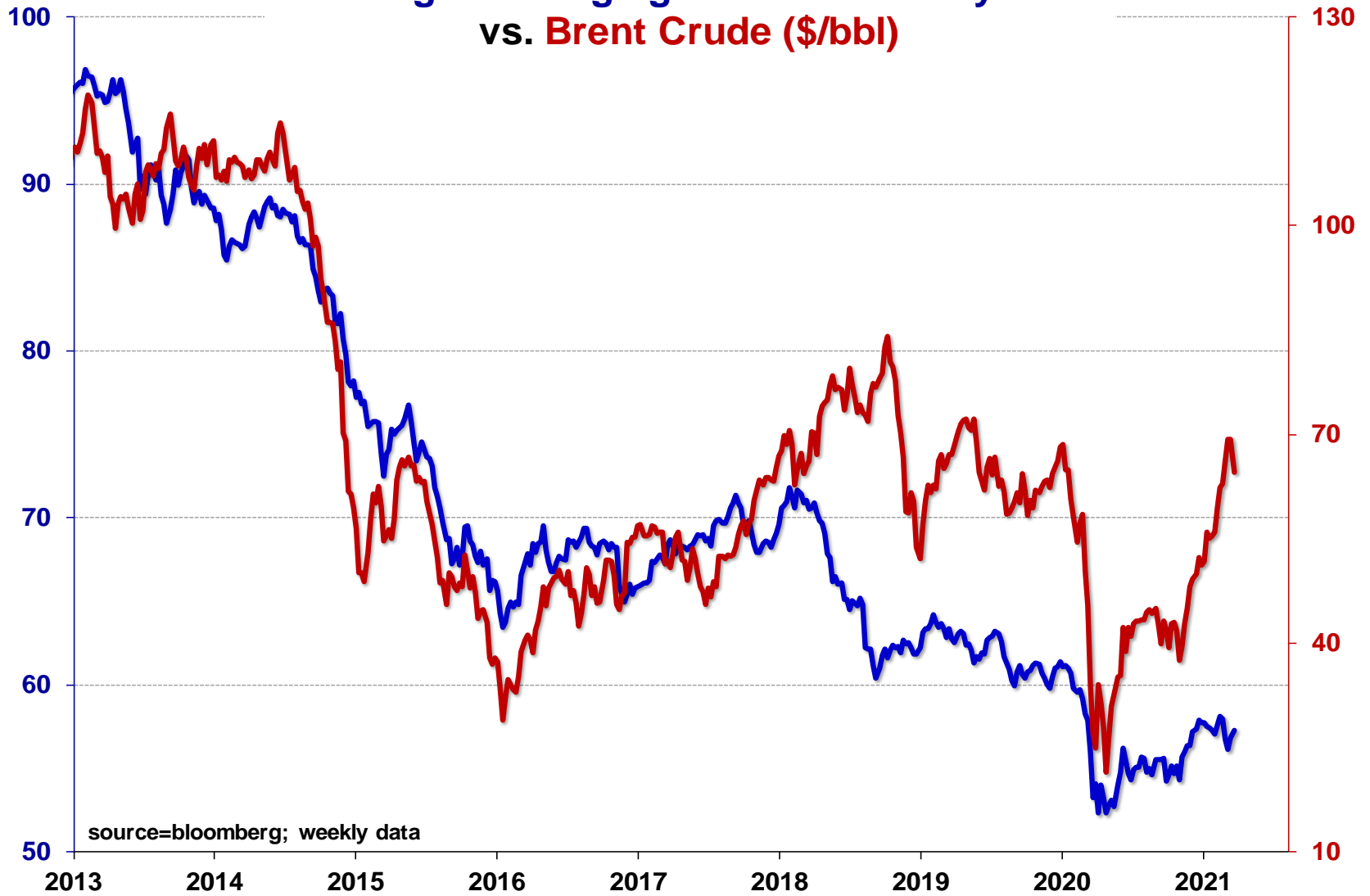
# WTI Cushing 321 Crack Spread







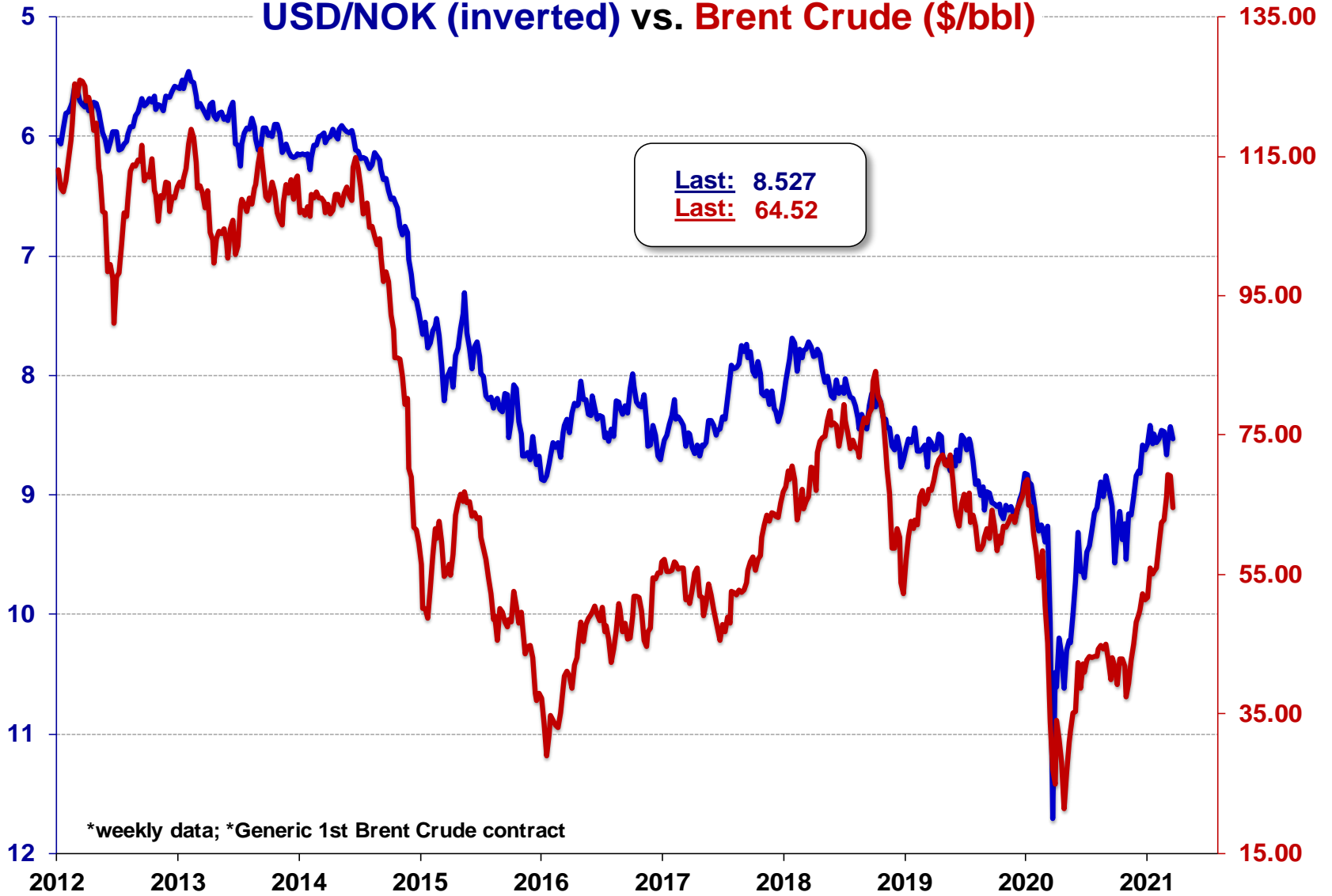
# JP Morgan Emerging Market Currency Index vs. Brent Crude (\$/bbl)

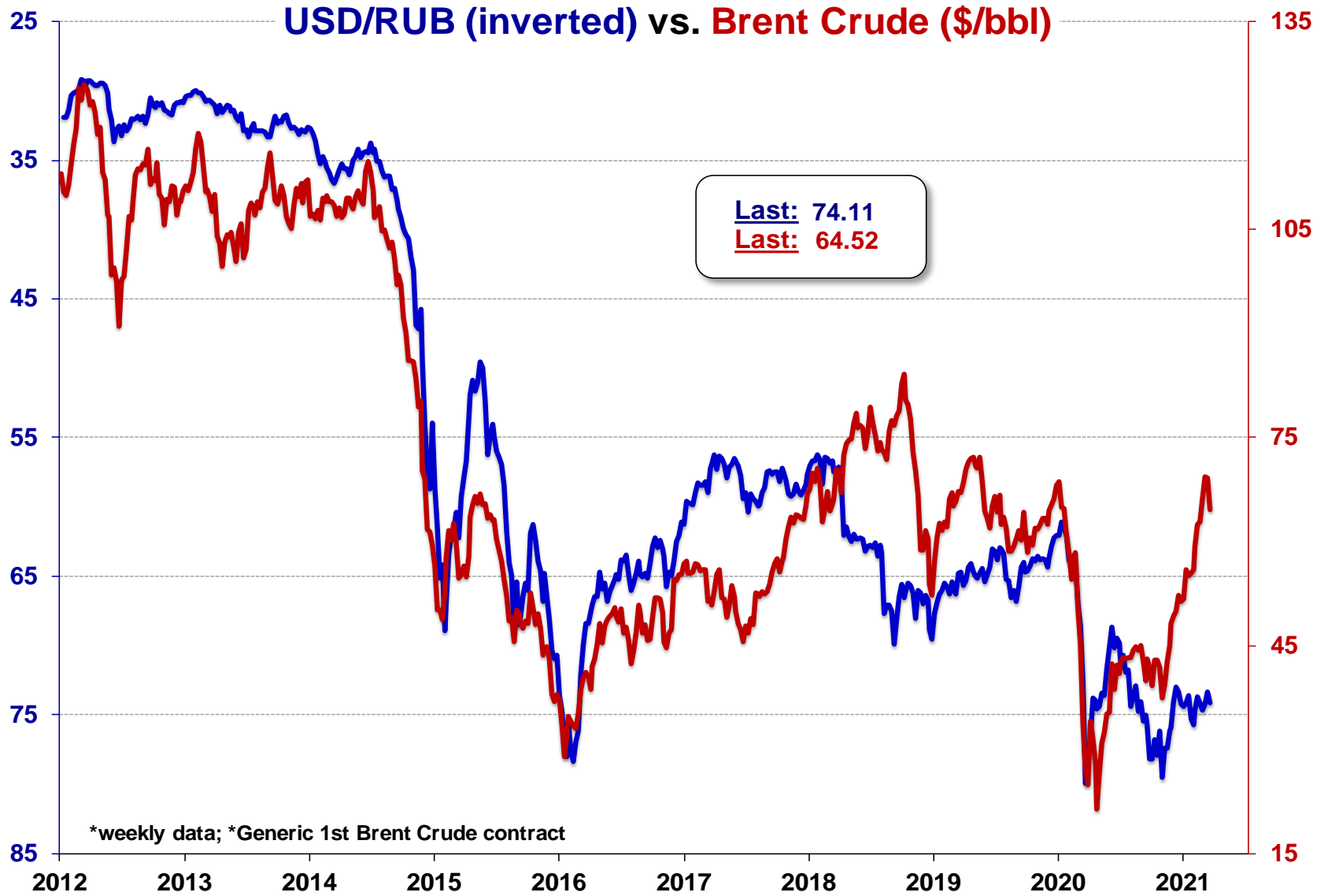


source=blomberg; weekly data

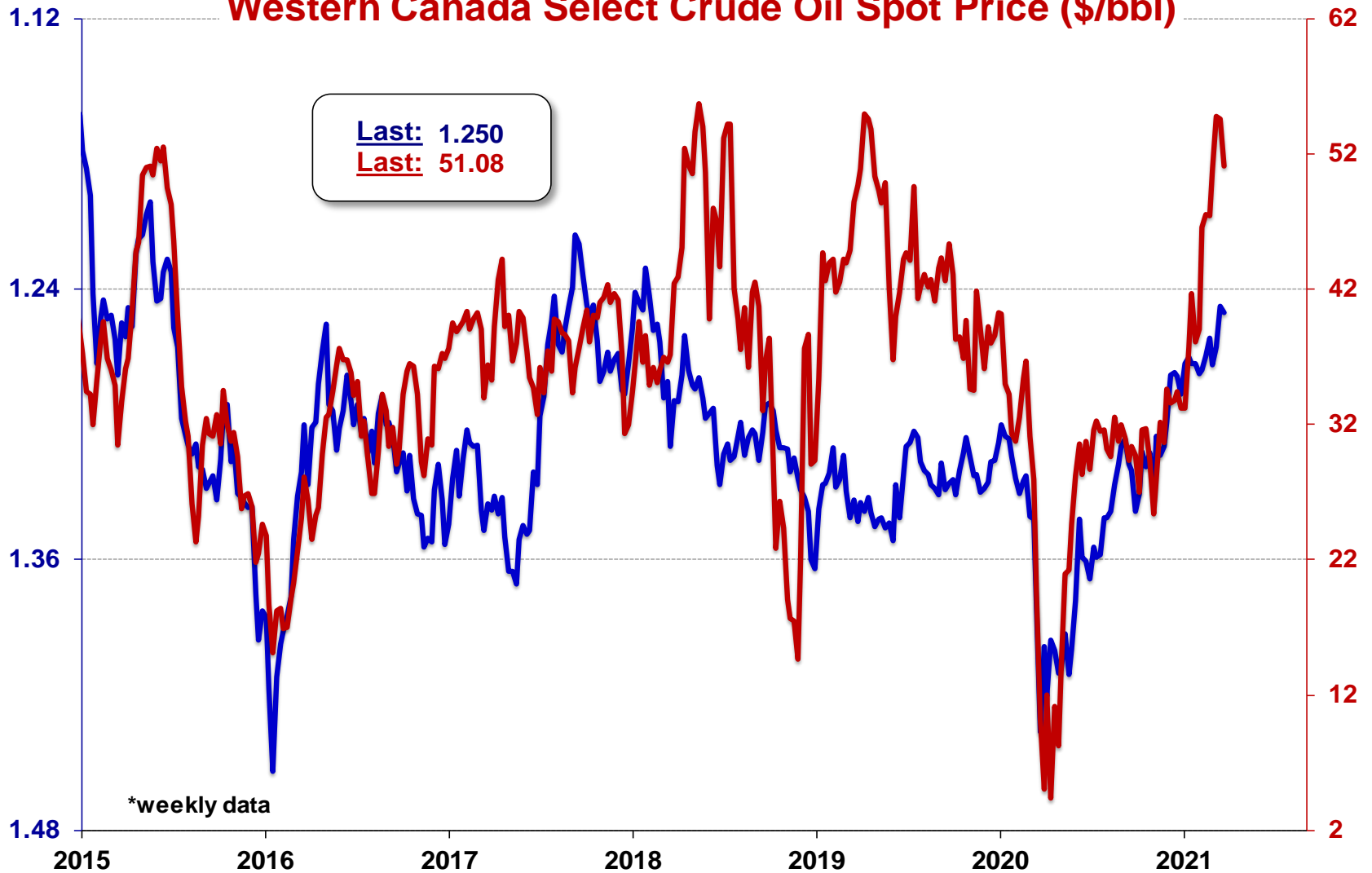


# USD/NOK (inverted) vs. Brent Crude (\$/bbl)





# USD/CAD (inverted) vs. Western Canada Select Crude Oil Spot Price (\$/bbl)

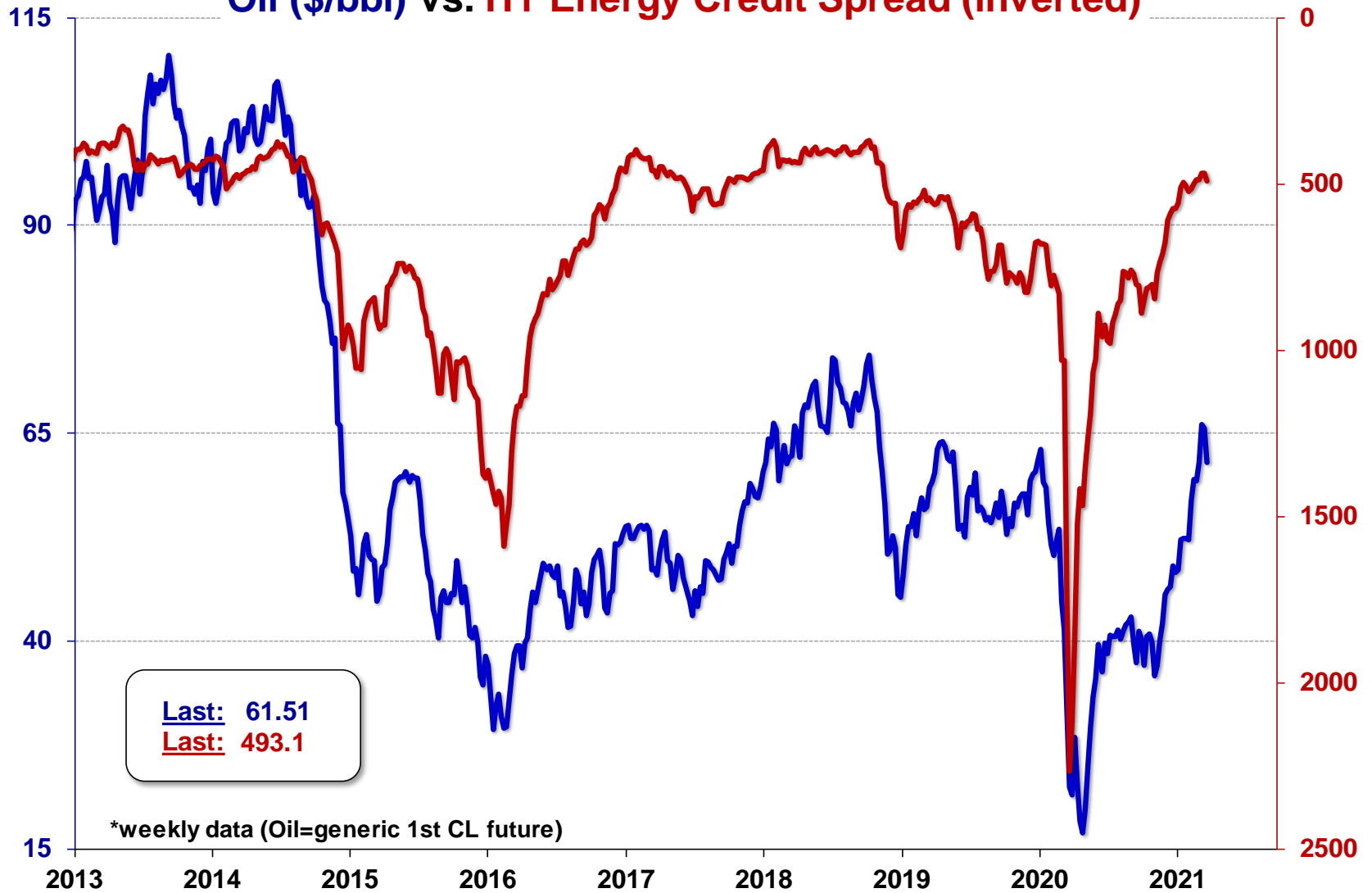


## --Corporate High Yield vs. --Energy High Yield

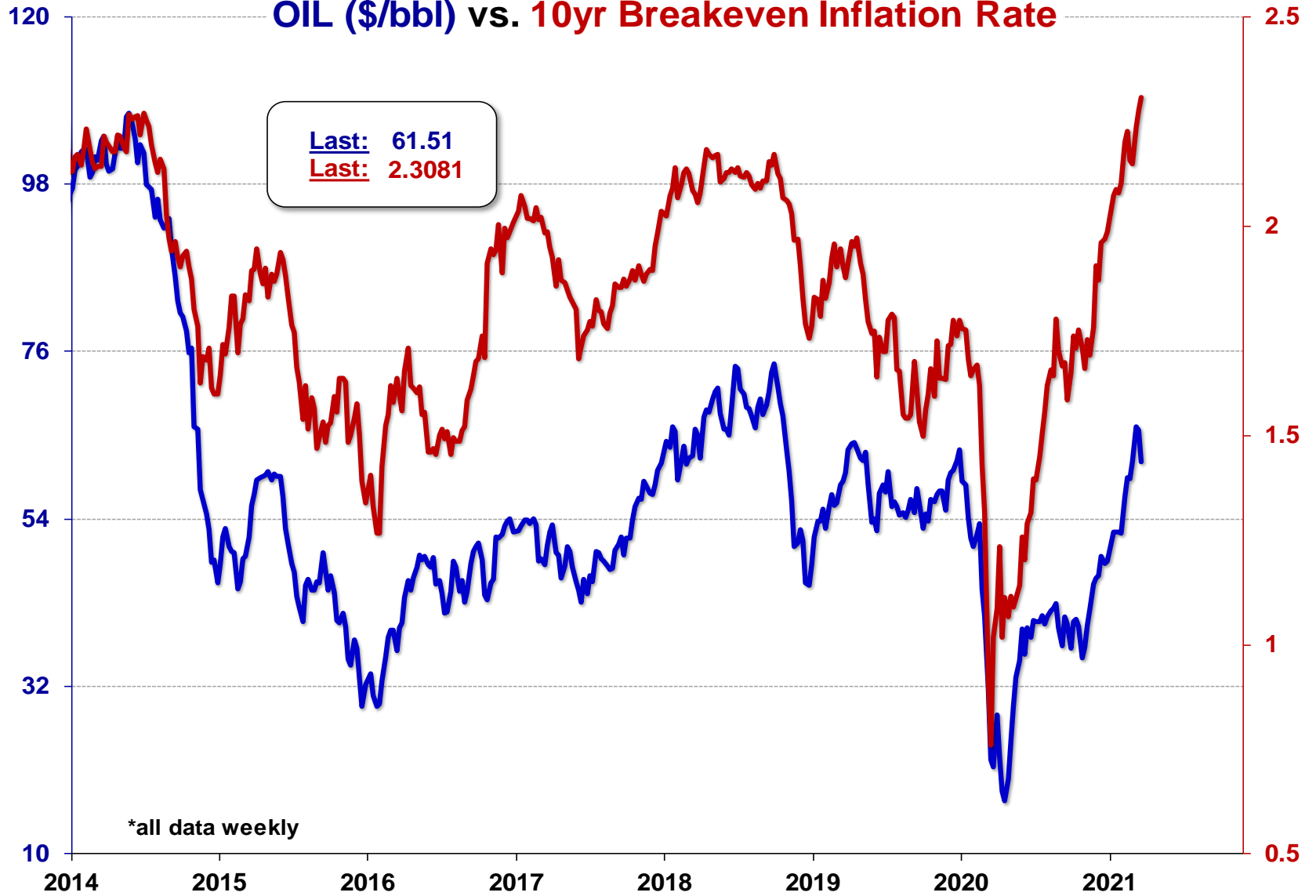


source=Bloomberg; weekly data

# Oil (\$/bbl) vs. HY Energy Credit Spread (inverted)

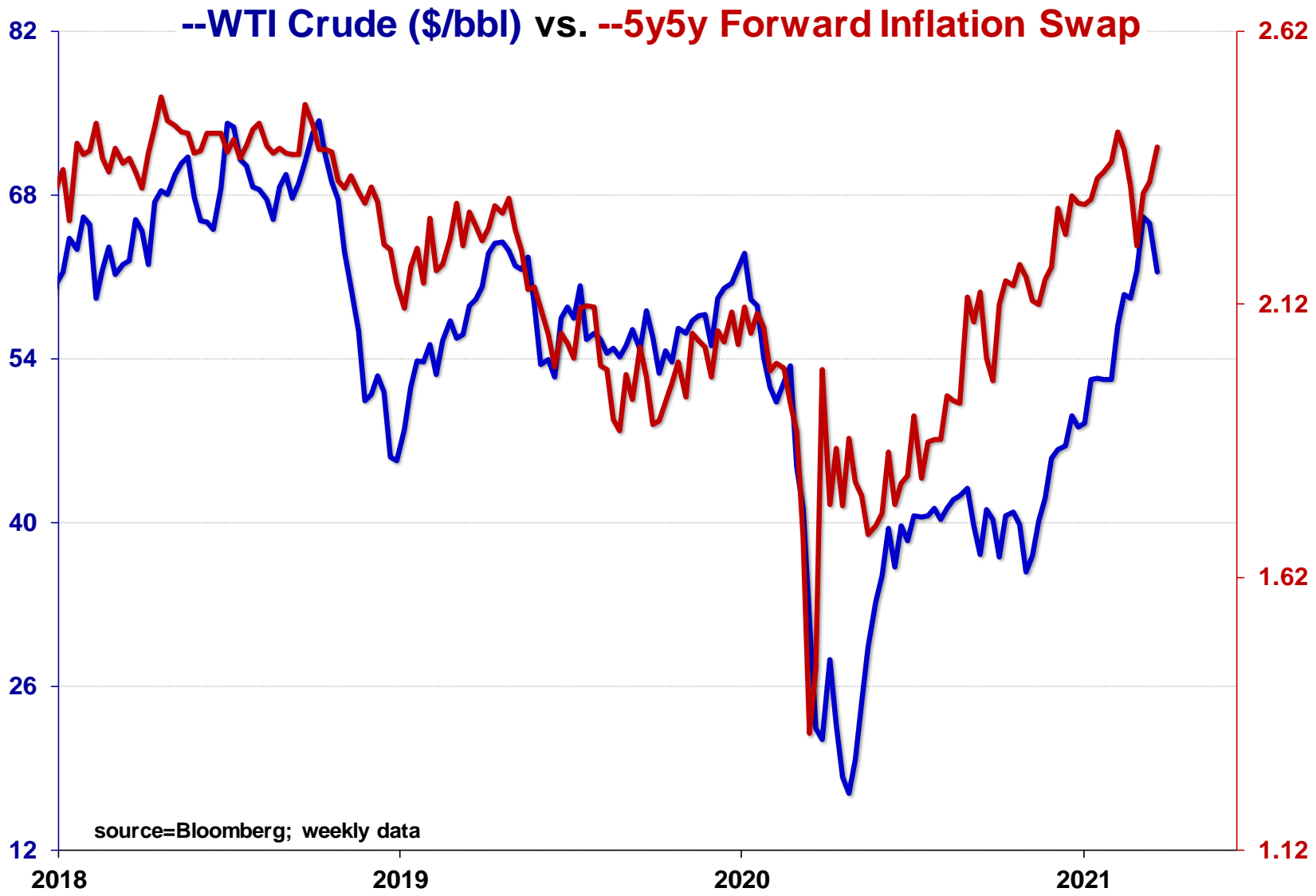


# OIL (\$/bbl) vs. 10yr Breakeven Inflation Rate

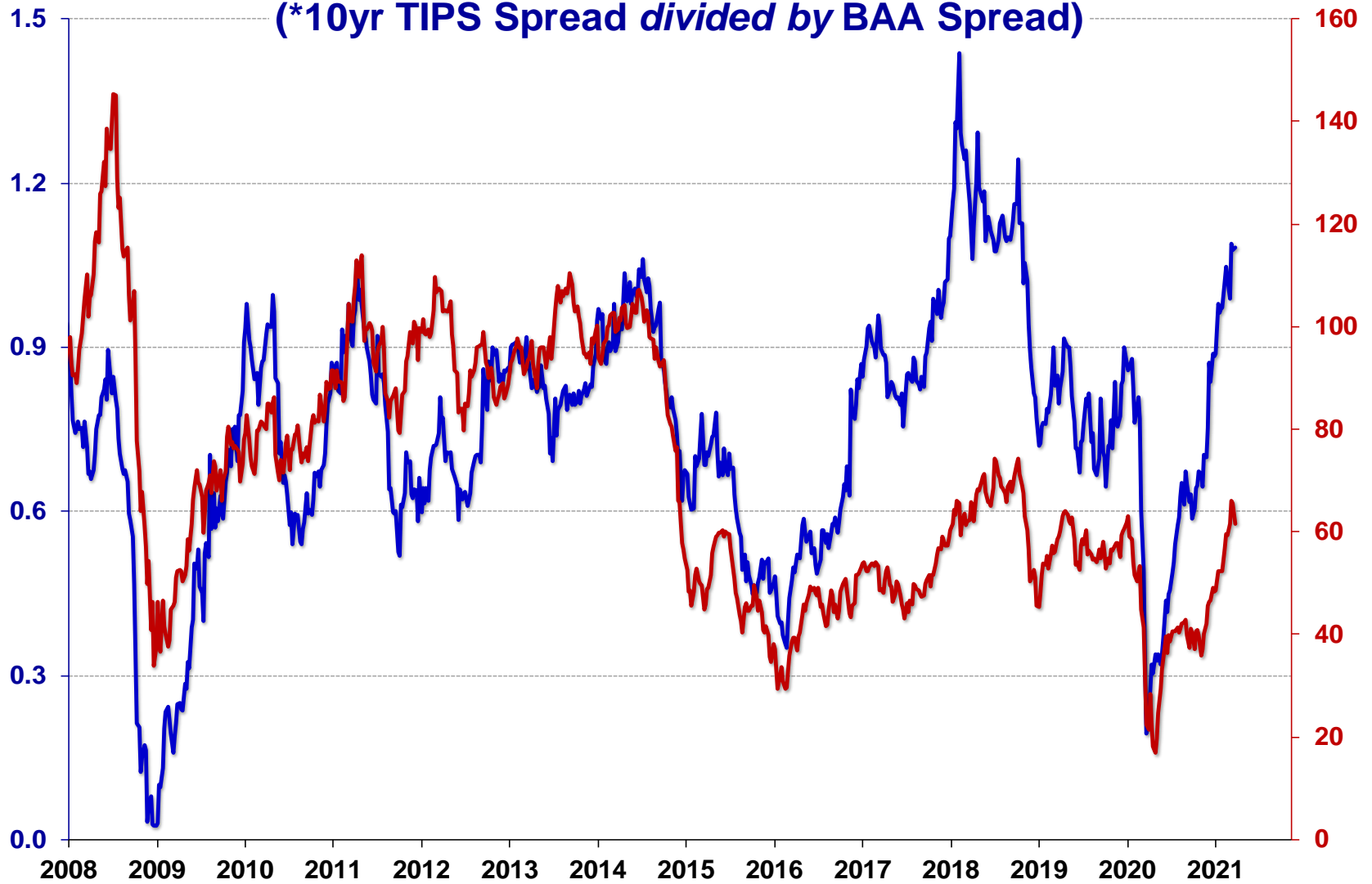


Last: 61.51  
Last: 2.3081

\*all data weekly

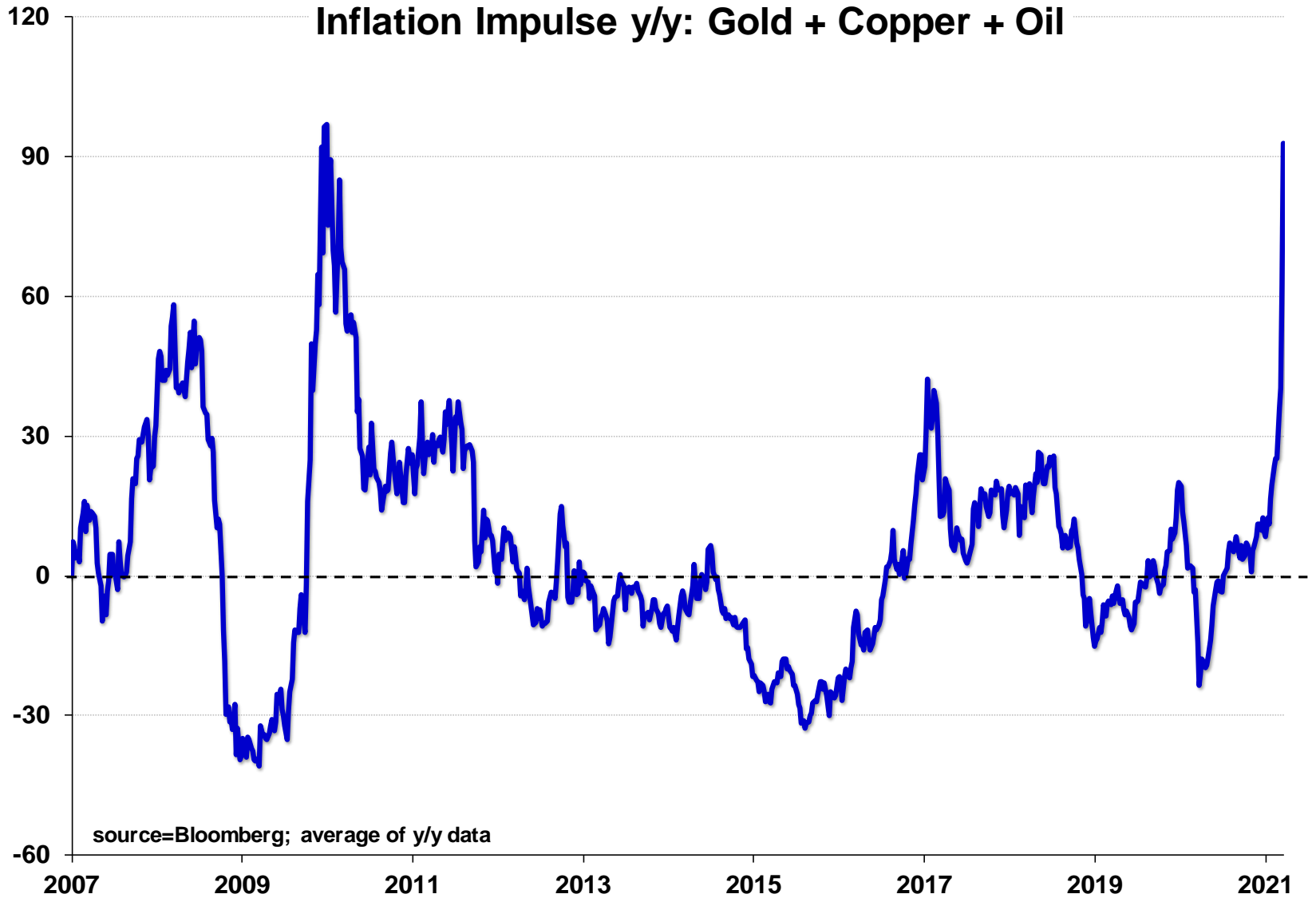


# Oil vs. Inflation Barometer\* (\*10yr TIPS Spread divided by BAA Spread)



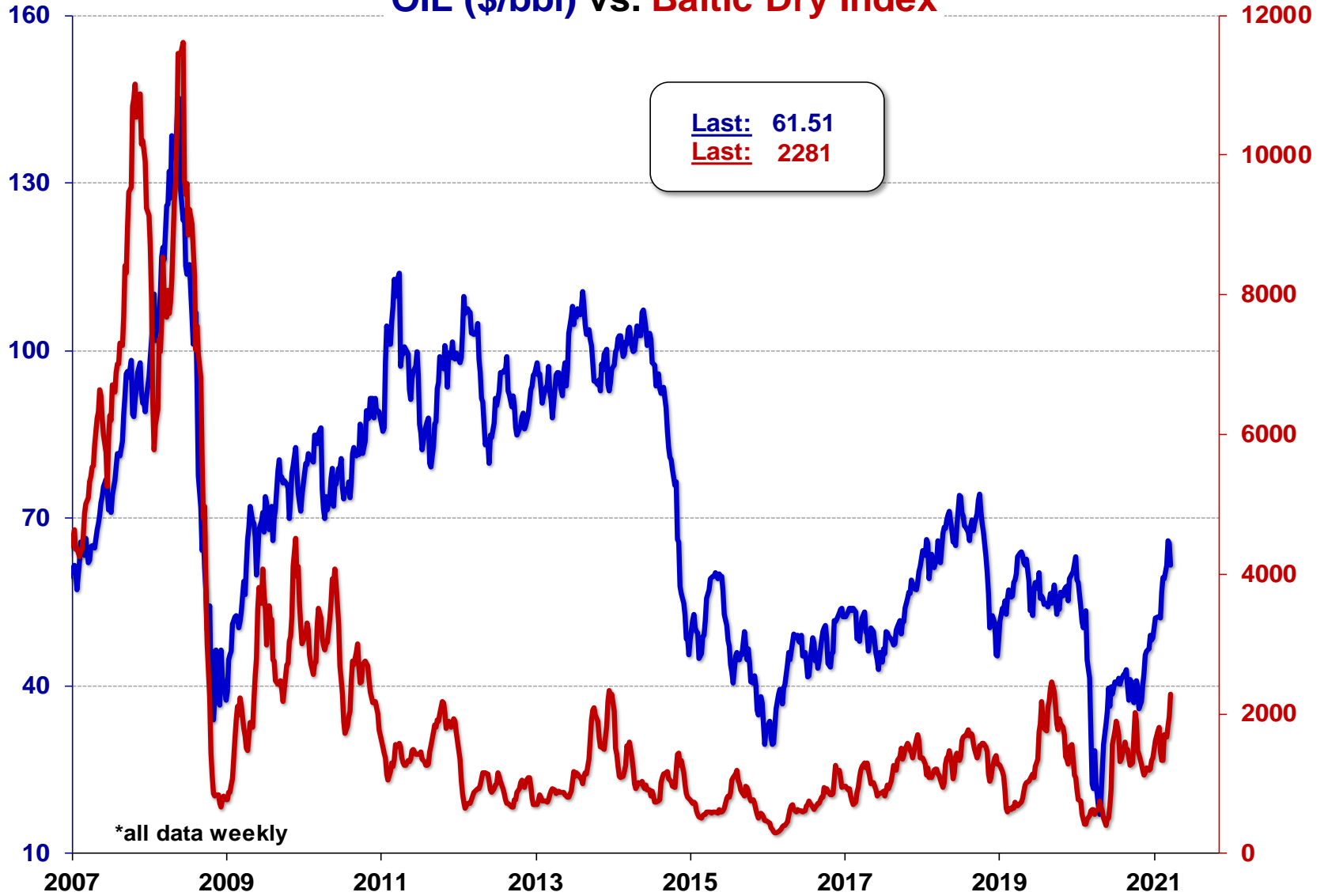


# Inflation Impulse y/y: Gold + Copper + Oil



source=Bloomberg; average of y/y data

# OIL (\$/bbl) vs. Baltic Dry Index

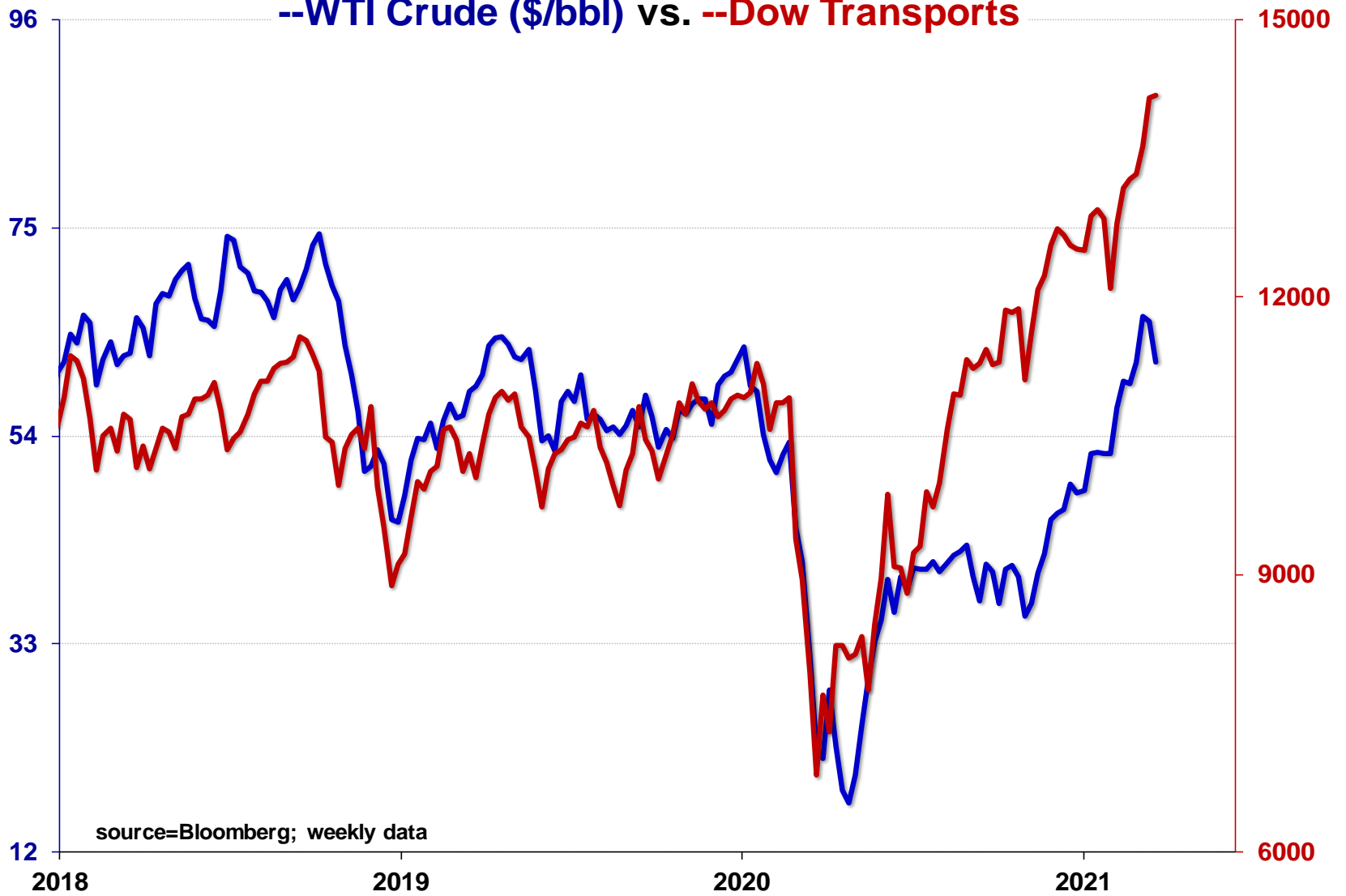


Last: 61.51

Last: 2281

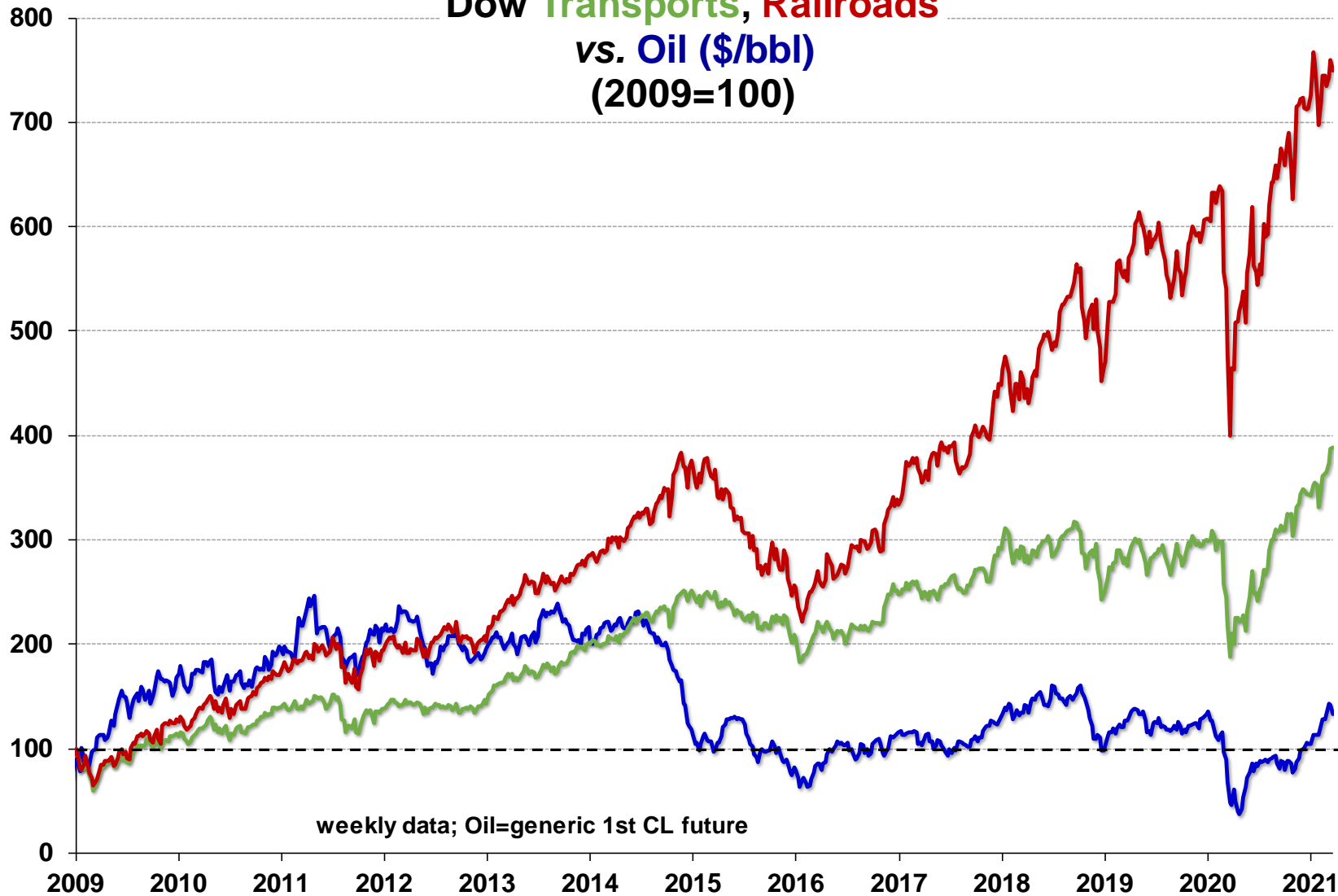
\*all data weekly

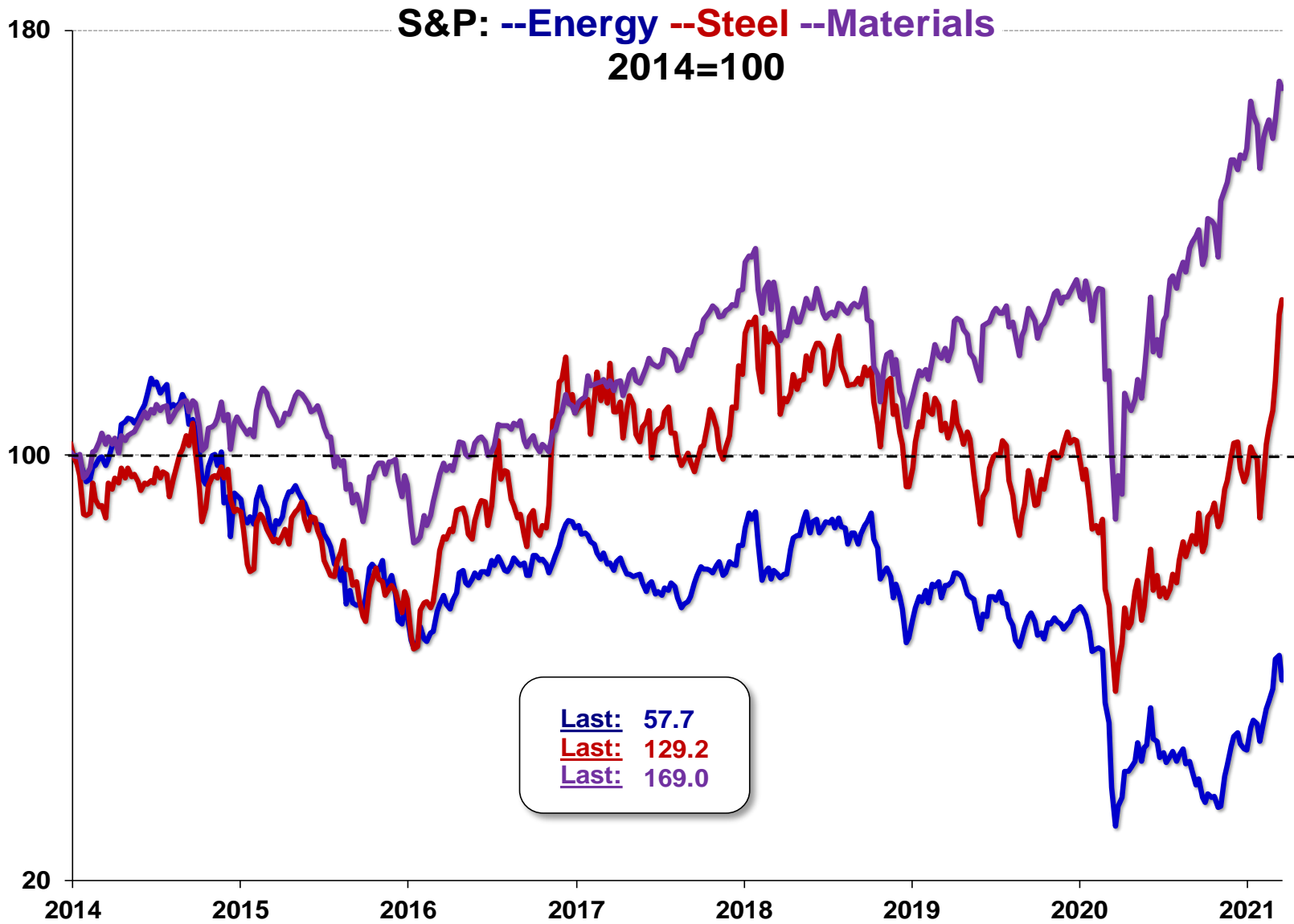
# --WTI Crude (\$/bbl) vs. --Dow Transports



source=Bloomberg; weekly data

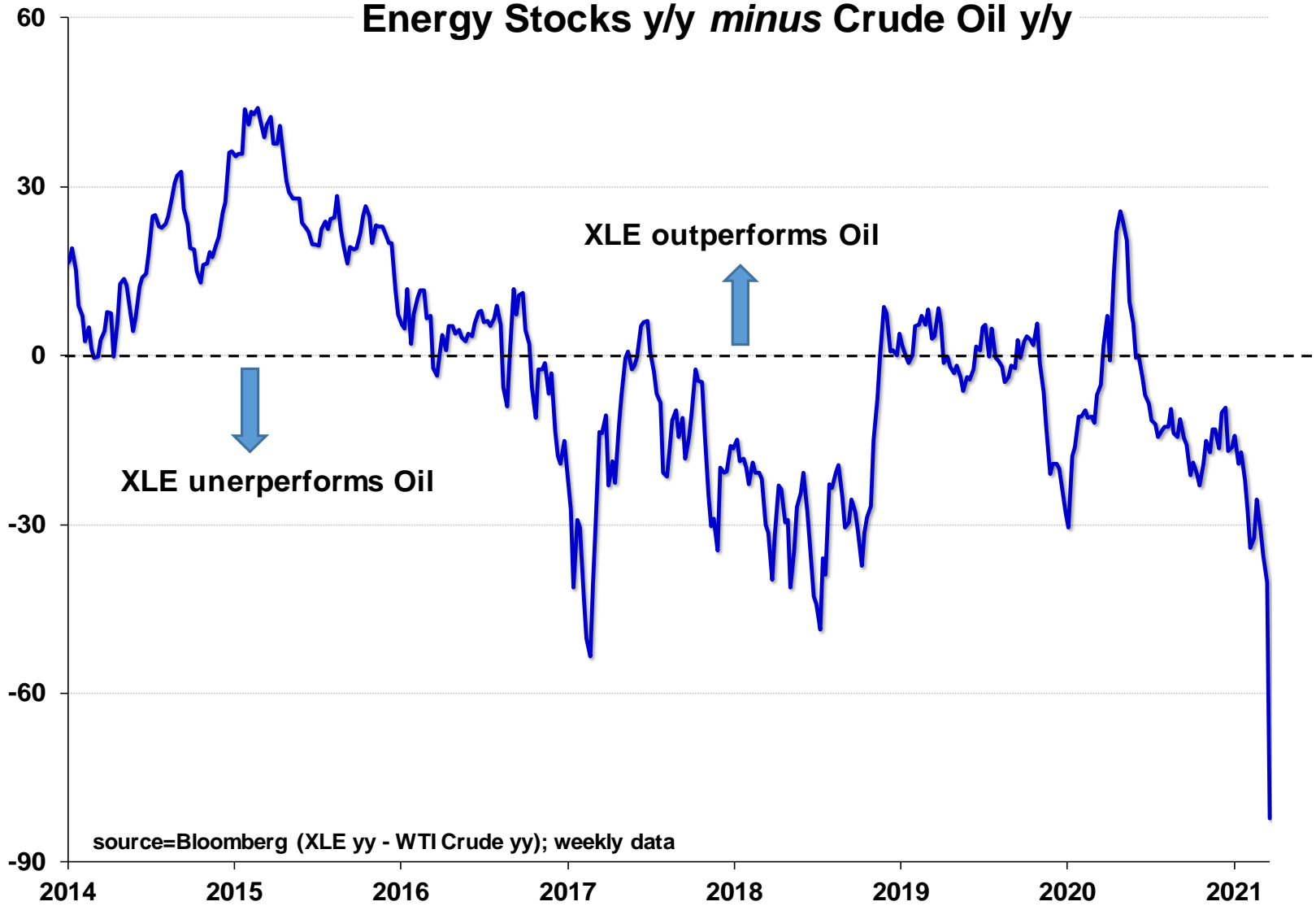
# Dow **Transports, Railroads** vs. **Oil (\$/bbl)** (2009=100)



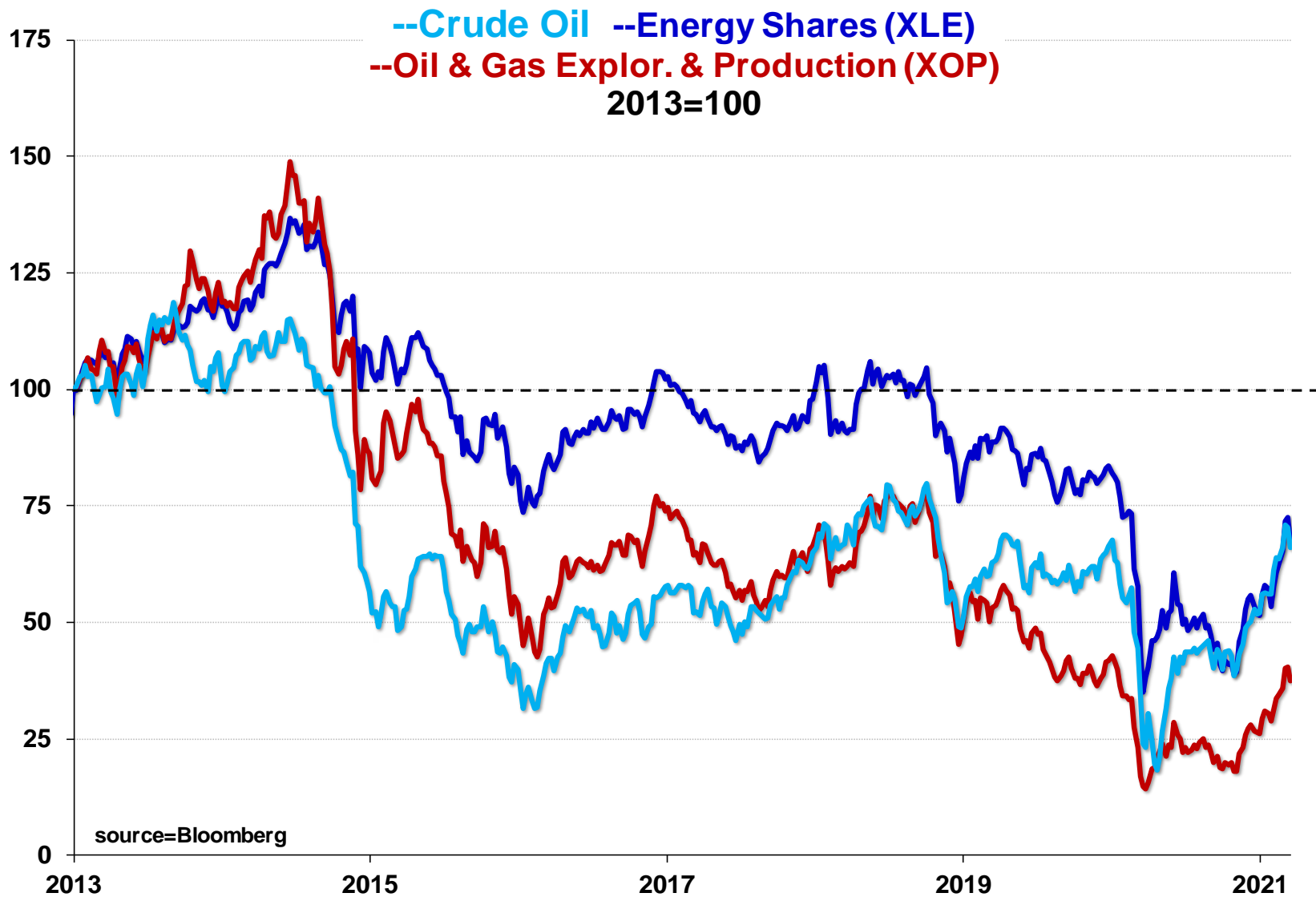


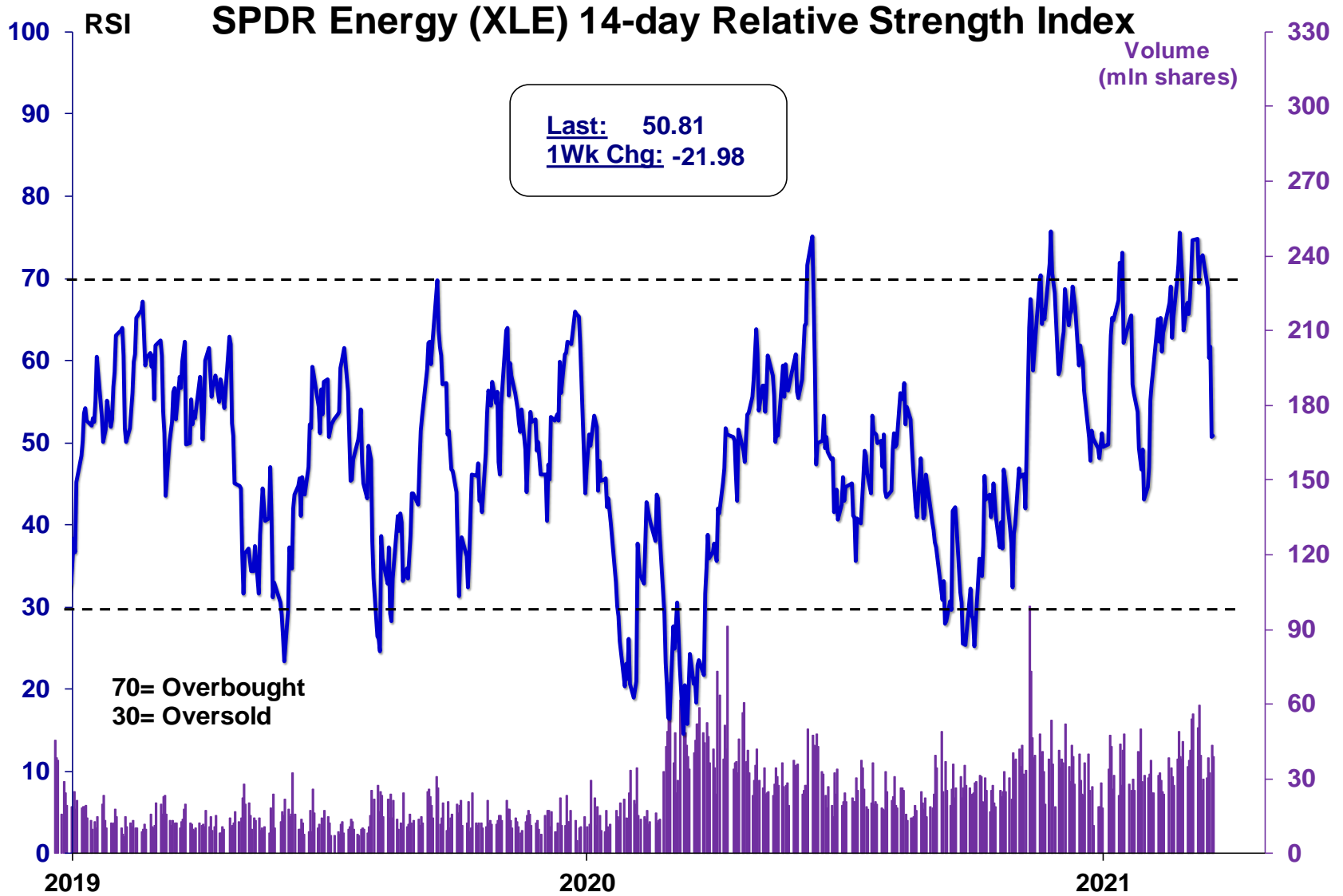
Last: 57.7  
Last: 129.2  
Last: 169.0

# Energy Stocks y/y *minus* Crude Oil y/y

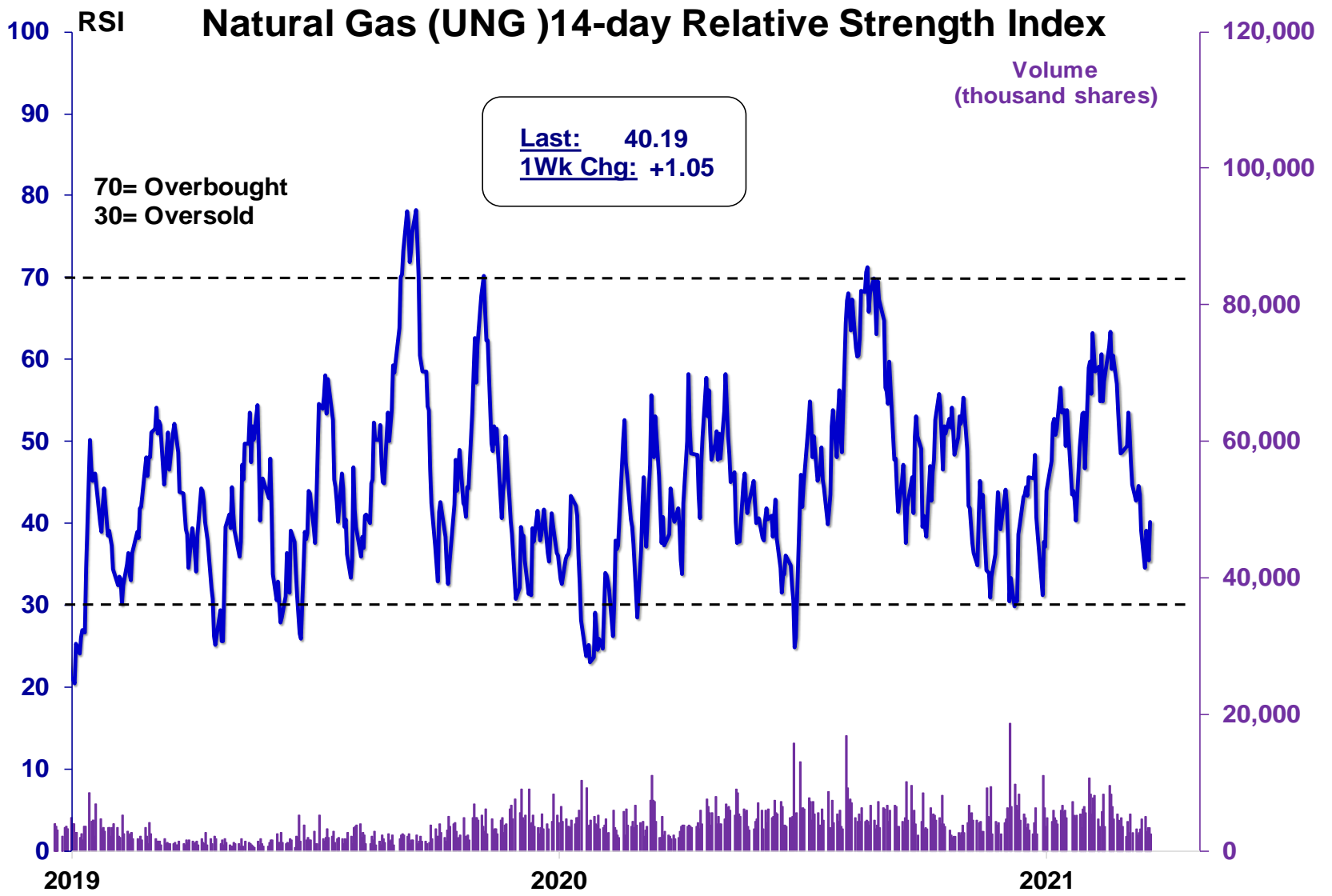


source=Bloomberg (XLE yy - WTI Crude yy); weekly data





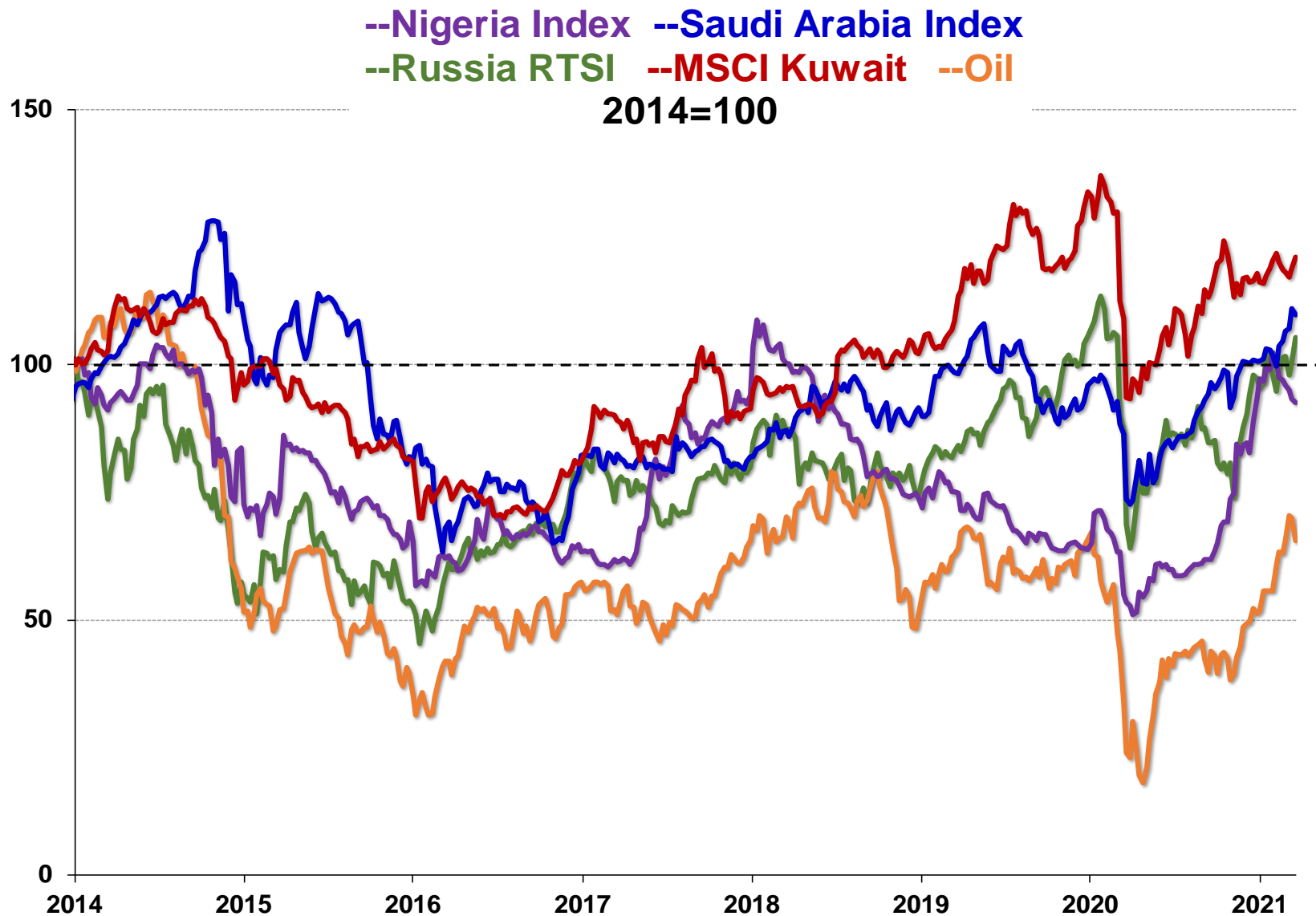




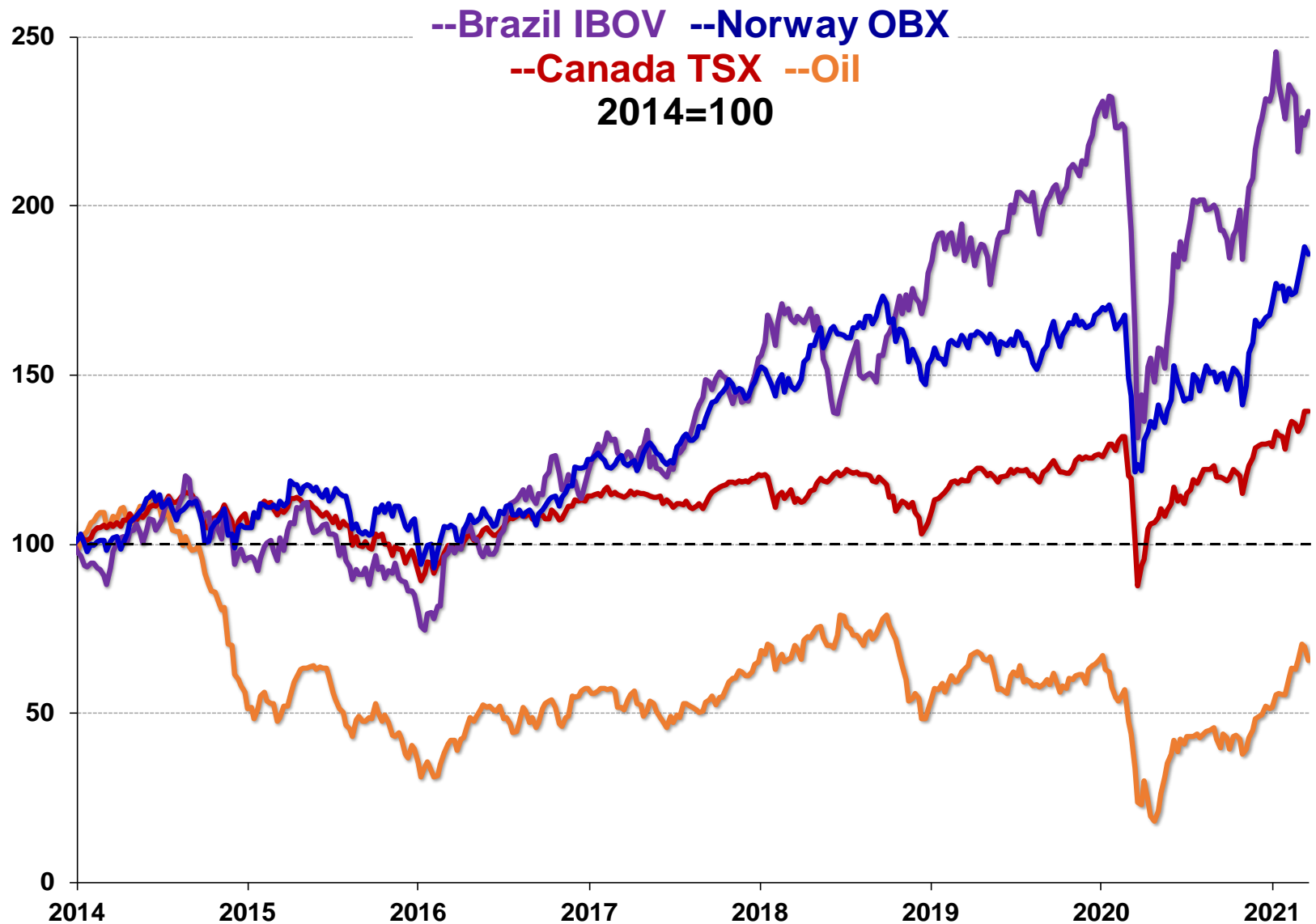
# Oil (USO) 14-day Relative Strength Index



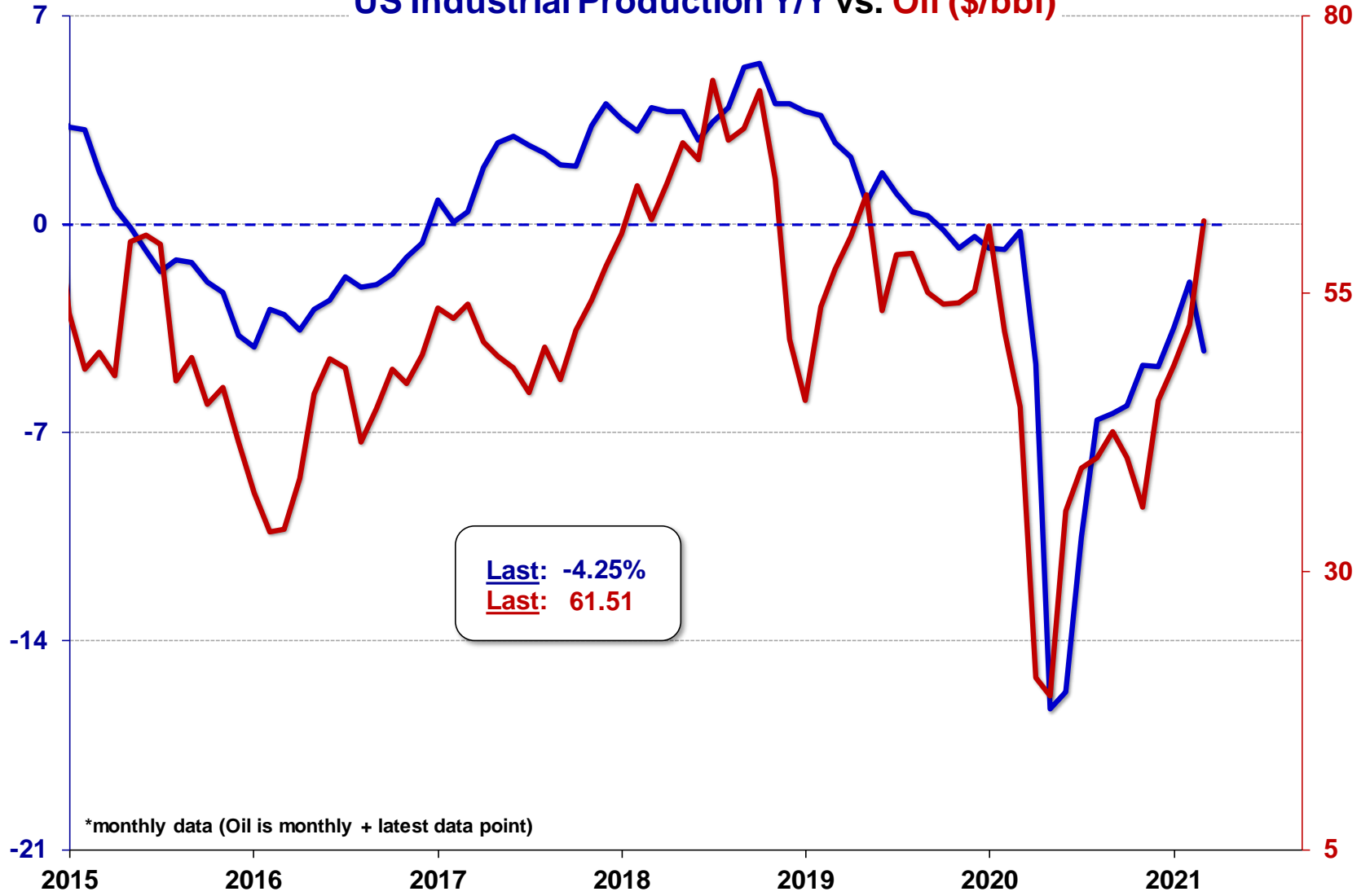
# Top Oil Producers



# Top Oil Producers



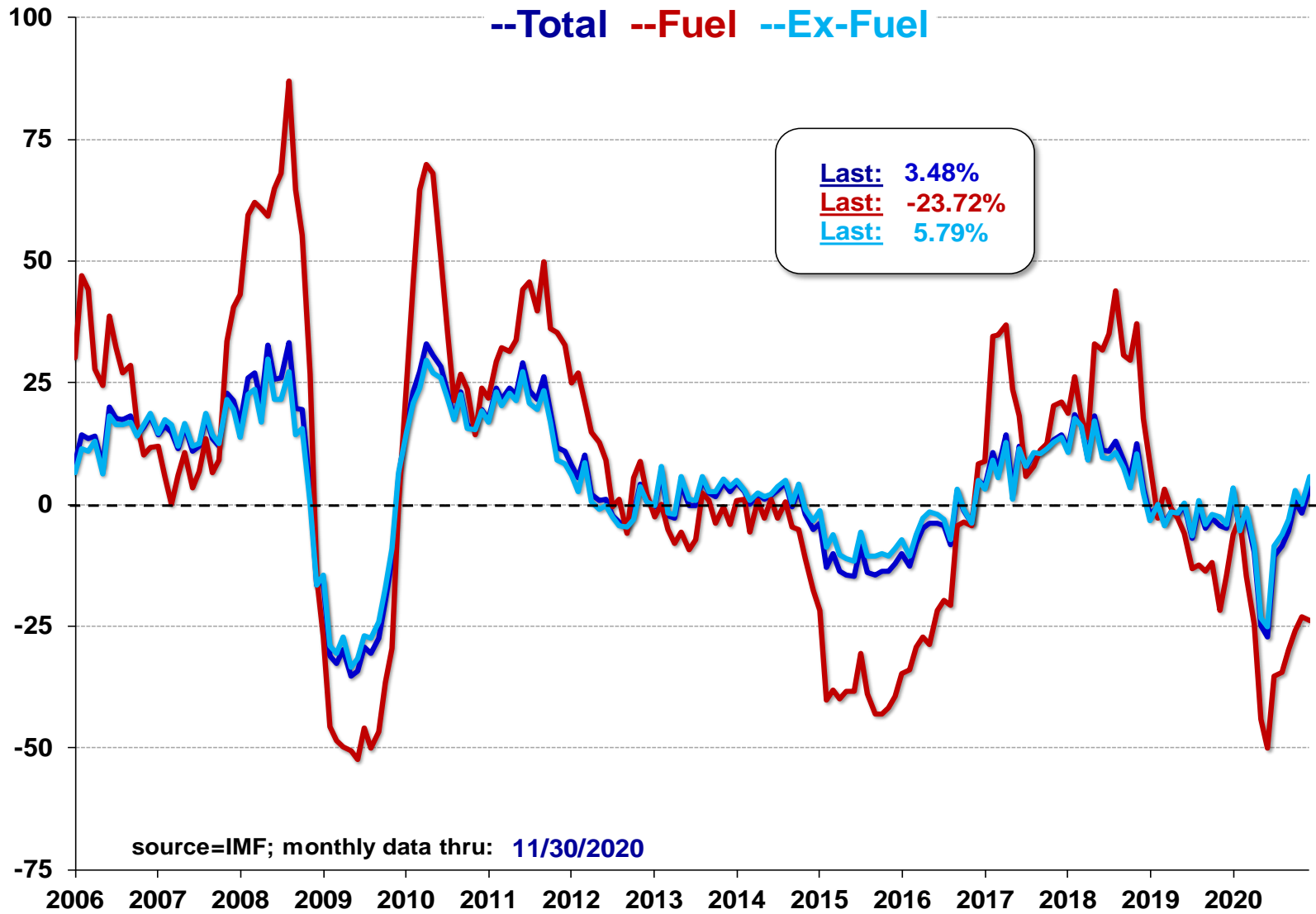
# US Industrial Production Y/Y vs. Oil (\$/bbl)



\*monthly data (Oil is monthly + latest data point)

# WORLD EXPORTS Y/Y

--Total --Fuel --Ex-Fuel



Last: 3.48%  
Last: -23.72%  
Last: 5.79%

source=IMF; monthly data thru: 11/30/2020