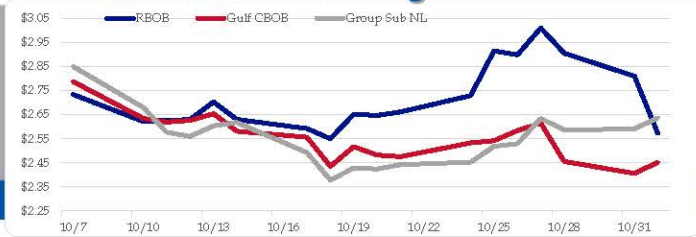


Gasoline

	RBOB	Change	Gulf CBOB	Change	Group Sub NL	Change	Gulf Basis	Group Basis	LA Basis
11/1	\$2.5735	-\$0.2372	\$2.4521	-\$0.0458	\$2.6377	\$0.0465	\$(0.1219)	\$ 0.0639	\$ 0.1495
10/31	\$2.8107	-\$0.0959	\$2.4063	-\$0.0493	\$2.5912	\$0.0044	\$(0.4044)	\$(0.2195)	\$ 0.1510
10/28	\$2.9066	-\$0.1050	\$2.4556	-\$0.1602	\$2.5868	-\$0.0482	\$(0.4510)	\$(0.3198)	\$ 0.0923
10/27	\$3.0116	-\$0.1122	\$2.6158	\$0.0317	\$2.6350	\$0.1053	\$(0.3958)	\$(0.3767)	\$ 0.0559
10/26	\$2.8994	-\$0.0166	\$2.5842	\$0.0417	\$2.5297	\$0.0107	\$(0.3153)	\$(0.3697)	\$ 0.2177
10/25	\$2.9160	\$0.1858	\$2.5425	\$0.0092	\$2.5190	\$0.0661	\$(0.3736)	\$(0.3970)	\$ 0.2497
10/24	\$2.7302	\$0.0682	\$2.5332	\$0.0576	\$2.4529	\$0.0107	\$(0.1970)	\$(0.2773)	\$ 0.2496
10/21	\$2.6620	\$0.0142	\$2.4756	-\$0.0071	\$2.4422	\$0.0180	\$(0.1865)	\$(0.2198)	\$ 0.2518

RBOB Technicals		
Indicator	Direction	Resistance
MACD	Overbought	3.1427 Aug High
Stochastics	Bearish	3.0221 Oct High
RSI	Neutral	2.2890 Sep Low
ADX	Bullish	1.8800 Dec Low
Momentum	Bullish	
Bias:	Neutral	

Gasoline History



Gasoline Forward Curve



Diesel

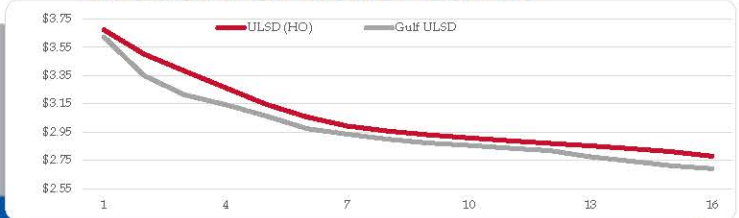
	ULSD (HO)	Change	Gulf ULSD	Change	Group ULSD	Change	Gulf Basis	Group Basis	LA Basis
11/1	\$3.6785	-\$0.5124	\$3.6495	\$0.0055	\$3.7589	\$0.0044	\$(0.5475)	\$ 0.0802	\$(0.5813)
10/31	\$4.1909	-\$0.3589	\$3.6439	-\$0.0544	\$3.7545	-\$0.0826	\$(0.5470)	\$(0.4364)	\$(0.5823)
10/28	\$4.5498	\$0.2159	\$3.6983	-\$0.0427	\$3.8372	-\$0.0333	\$(0.8515)	\$(0.7127)	\$(0.8598)
10/27	\$4.3339	\$0.2138	\$3.7410	\$0.0034	\$3.8704	\$0.0927	\$(0.5930)	\$(0.4635)	\$(0.6827)
10/26	\$4.1201	\$0.1529	\$3.7375	\$0.1150	\$3.7777	\$0.0453	\$(0.3826)	\$(0.3424)	\$(0.4690)
10/25	\$3.9672	\$0.0471	\$3.6226	\$0.0467	\$3.7324	-\$0.4882	\$(0.3447)	\$(0.2348)	\$(0.4104)
10/24	\$3.9201	\$0.0878	\$3.5758	-\$0.0693	\$4.2206	\$0.0878	\$(0.3443)	\$ 0.3005	\$(0.3884)
10/21	\$3.8323	\$0.0755	\$3.6451	\$0.1493	\$4.1328	-\$0.1056			

HO Technicals		
Indicator	Direction	Resistance
MACD	Neutral	5.8595 Record High
Stochastics	Bearish	4.6841 Oct High
RSI	Neutral	3.1085 Sep Low
ADX	Bullish	2.9330 March Low
Momentum	Neutral	
Bias:	Neutral	

Diesel History



Diesel Forward Curve



Crude

Refinery Margins

WTI				Vs WTI				Vs Brent				Group / WCS	
	WTI	Change	Brent	Change	Gulf Gas	Gulf Diesel	3/2/1	5/3/2	Gulf Gas	Gulf Diesel	3/2/1	5/3/2	3/2/1
11/1	\$88.49	\$1.96	\$94.69	-\$0.14	\$14.53	\$66.51	\$31.86	\$35.33	\$6.23	\$58.21	\$23.56	\$27.03	37.22
10/31	\$86.53	-\$1.37	\$94.83	-\$0.94	\$15.24	\$67.43	\$32.63	\$36.11	\$7.37	\$59.56	\$24.76	\$28.24	38.25
10/28	\$87.90	-\$1.18	\$95.77	-\$1.19	\$20.78	\$68.04	\$36.54	\$39.69	\$12.90	\$60.16	\$28.66	\$31.81	38.88
10/27	\$89.08	\$1.17	\$96.96	\$1.27	\$20.62	\$69.07	\$36.77	\$40.00	\$12.84	\$61.29	\$28.99	\$32.22	35.81
10/26	\$87.91	\$2.59	\$95.69	\$2.17									
CPL space	Line 1	Change	Line 2	Change									
	0.1280	-\$0.0120	\$0.0140	\$0.0110									

Economic Indicators

Commodity Futures

	Settle	Change		Settle	Change
S&P 500 Futures	3,924	41.25	NatGas	5.684	0.671
DJIA	32,733		Gold	1,636	17.8
EUR/USD	0.9898	0.0053	Silver	19.13	0.6
USD Index	111.42	-0.75	Copper	3.41	0.077
US 10 YR YIELD	4.01%	-0.01	FCOJ	206.35	
US 2 YR YIELD	4.43%	-0.02	Wheat	882.25	-4.50
Oil Volatility Index	47.81	-0.40	Butane	0.984	0.000
S&P Volatility Index (VIX)	25.75	0.13	Propane	0.856	-0.001
Nikkei 225 Index	27,555	175.00	Bitcoin	20,380	195

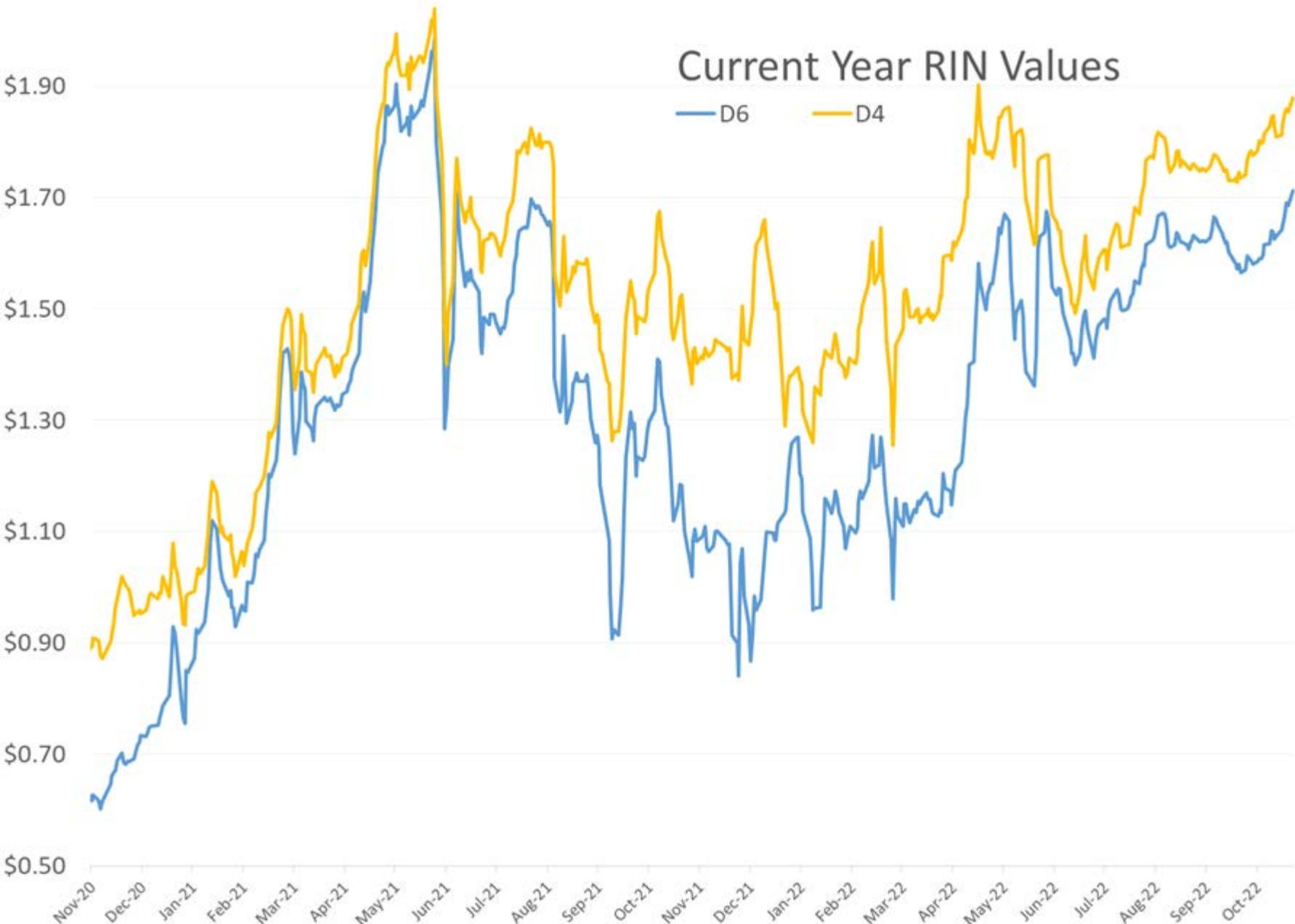
RINs and Price Drivers

Current Year Biodiesel RINs			Current Year Ethanol RINs		
	Settle	Net Change		Settle	Net Change
	1.8800	0.025		1.7125	0.027
Price Drivers			Price Drivers		
	Settle	Net Change		Settle	Net Change
Soybeans	1407.00	17.250	Ethanol	2.16	0.000
Soybean Oil	73.21	1.100	Corn	691.50	-0.500
BOHO Spread	1.300		Corn Crush	-0.309	
Soy Crush	800.66		RVO Estimate		
			Per Gallon	\$ 0.2050	\$ 0.0030
			Per Barrel	\$ 8.61	\$ 0.13

*SOURCES: Nymex, CBOT, NYSE, ICE, NASDAQ, CME Group, CBOE. Prices delayed.

Current Year RIN Values

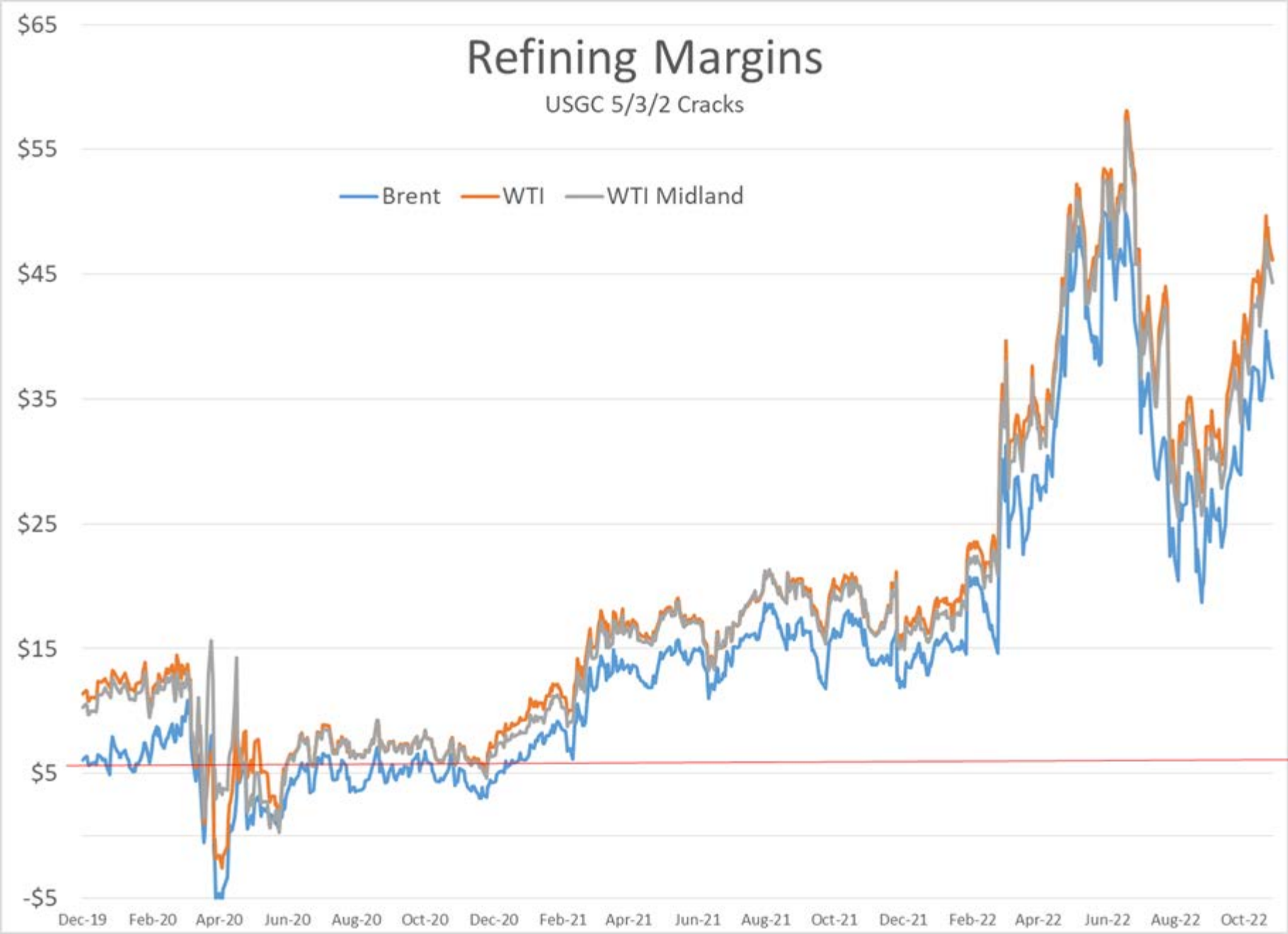
D6 D4



Refining Margins

USGC 5/3/2 Cracks

— Brent — WTI — WTI Midland



Central Pacific

Eastern Pacific

Atlantic

Disturbances: **ALL [1]**



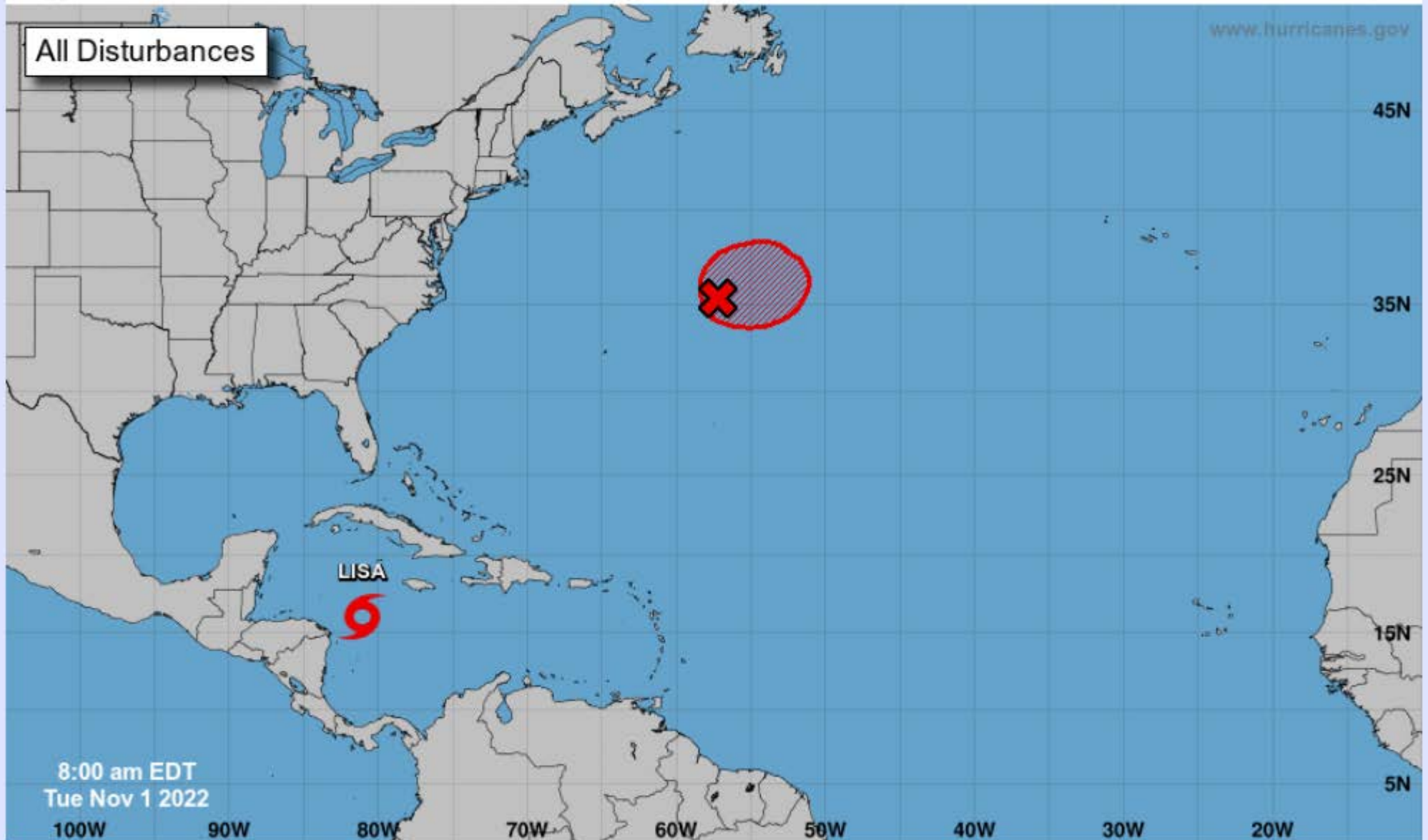
Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



www.hurricanes.gov

All Disturbances



8:00 am EDT
Tue Nov 1 2022

Current Disturbances and Five-Day Cyclone Formation Chance:

✘ < 40%

✘ 40-60%

✘ > 60%

Tropical or Sub-Tropical Cyclone: ○ Depression

⊙ Storm

⊙ Hurricane