



## Cboe Streaming Market Indexes as of November 18, 2019

### CSMI Main Channel

1	AMERIBOR	Ameribor® Unsecured Overnight Rate	44	ETT	Morgan Stanley STARS S&P 500 BuyWrite Index Morgan Stanley Targeted Income STARS S&P 500
2	AMBOS	One Month Ameribor® Average Settlement	45	ETZ	BuyWrite Index
3	AMBOX	One Month Ameribor® Average Rate	46	EUVIX	Cboe/CME FX Euro Volatility Index
4	AMBR5	14 Day Ameribor® Average Settlement	47	EVZ	Cboe Euro Currency Volatility Index
5	AMBRX	14 Day Ameribor® Average Rate	48	FVX	Treasury Yield 5 Years
6	AMBT5	Three Month Ameribor® Compound Average Settlement	49	GVX	Cboe/COMEX Gold Volatility Index
7	AMBTX	Three Month Ameribor® Compound Average Rate	50	GVZ	Cboe Gold Volatility Index
8	AMBWS	7 Day Ameribor® Average Settlement	51	IBHY	iBoxx iShares USD High Yield Corporate Bond Index iBoxx iShares USD Investment Grade Corporate Bond
9	AMBWX	7 Day Ameribor® Average Rate	52	IBIG	Index
10	BFLY	Cboe S&P 500 Iron Butterfly Index	53	ICJ	Cboe S&P 500 Correlation Index Jan 2015
11	BDEA	Cboe MSCI EAFE 20-Delta BuyWrite Index (on CSMI Main & MSCI channels) Cboe MSCI Emerging Markets 20-Delta BuyWrite Index (on CSMI Main & MSCI channels)	54	IRX	Cboe Short-Term Interest Rate Index
12	BDEF	Cboe/CME FX British Pound Volatility Index	55	JCJ	Cboe S&P 500 Correlation Index Jan 2016
13	BPVIX	SPX Binary Underlying	56	JYVIX	Cboe/CME FX Yen Volatility Index
14	BSZ	VIX Binary Underlying	57	KCJ	Cboe S&P 500 Correlation Index Jan 2017
15	BVZ	DJIA BuyWrite	58	LOVOL	Cboe Low Volatility Index
16	BXD	Cboe MSCI EAFE BuyWrite Index (on CSMI Main & MSCI channel) Cboe MSCI Emerging Markets BuyWrite Index (on CSMI Main & MSCI channel)	59	MNX	Cboe Mini-NDX
17	BXEA	Cboe S&P 500 BuyWrite Index	60	MSQ	Morgan Stanley Variance 3x6 US Index
18	BXEF	Cboe S&P 500 Conditional BuyWrite Index	61	MSV	Cboe Morgan Stanley U.S. Portfolio Intrinsic Value Basket Morgan Stanley Style Select Japan Index Net Entitlement
19	BXM	Cboe S&P 500 BuyWrite Index	62	MSX	Value MXEA Option Settlement Value (on CSMI Main & MSCI channels)
20	BXMC	Cboe S&P 500 Conditional BuyWrite Index	63	MXS	Morgan Stanley STARS (NBXZ) Cboe Nasdaq-100
21	BXMD	Cboe S&P 500 30-Delta BuyWrite Index	64	NHT	BuyWrite Index Nev
22	BXMW	Cboe S&P 500 Multi-Week BuyWrite Index	65	OET	S&P 100 Flex Settlement Index
23	BXN	Cboe Nasdaq-100 Buy Write Index	66	OIV	Cboe/NYMEX WTI Volatility Index
24	BXNT	Cboe NASDAQ-100 BuyWrite V2 Index	67	OVX	Cboe Crude Oil Volatility Index
25	BXO	Reduced Value BXM	68	PCJ	Citigroup BXM Pistons Net Investment Value Cboe MSCI EAFE 20-Delta PutWrite Index (on CSMI Main & MSCI channelz)
26	BXY	Cboe S&P 500 BuyWrite 2% OTM Morgan Stanley 8% Targeted Income STARS Cboe S&P 500	69	PDEA	Cboe MSCI Emerging Markets 20-Delta PutWrite Index (on CSMI Main & MSCI channels)
27	BYB	Buywrite Index Nev	70	PDEF	Cboe S&P 500 5% Put Protection Index
28	BYC	Morgan Stanley 0% STARS Cboe S&P 500 BuyWrite Index Cboe MSCI EAFE 2% OTM BuyWrite Index (on CSMI Main & MSCI channels)	71	PPUT	Cboe PutWrite Index
29	BYEA	Cboe MSCI Emerging Markets 2% OTM BuyWrite Index (on CSMI Main & MSCI channels)	72	PUT	Cboe S&P 500 2% OTM Putwrite Index
30	BYEF	Cboe Collar 95-110 Index	73	PUTY	Cboe S&P 500 PutWrite T-W Index
31	CLL	Cboe S&P 500 Zero-Cost Put Spread Collar Index	74	PWT	Cboe MSCI EAFE PutWrite Index (on CSMI Main & MSCI channels)
32	CLLZ	Cboe S&P 500 Covered Combo Index	75	PXEA	Cboe MSCI Emerging Markets PutWrite Index (on CSMI Main & MSCI channels)
33	CMBO	Cboe S&P 500 Iron Condor Index	76	PXEF	Cboe MSCI EAFE 2% OTM PutWrite Index (on CSMI Main & MSCI channels)
34	CNDR	Cboe S&P 500 Covered Combo Index	77	PYEA	Cboe MSCI Emerging Markets 2% OTM PutWrite Index (on CSMI Main & MSCI channels)
35	CXU	U.S.- Europe-Japan Basket	78	PYEF	UBS Return Optimization Index
36	DDA	Cboe Jumbo DJ Volatility Ask	79	RON	Cboe S&P 500 Risk Reversal Index
37	DDB	Cboe Jumbo DJ Volatility Bid	80	RXM	S&P 500 Settlement
38	DEY	Morgan Stanley STARS Dow Jones BuyWrite Index Morgan Stanley Targeted Income STARS Dow Jones	81	SET	Short VIX Futures Index
39	DIB	BuyWrite Index	82	SHORTVOL	Cboe SKEW Index
40	DJS	DJX SOQ	83	SKEW	S&P 500 Smile Index
41	DXL	DJIA 1/10th	84	SMILE	Cboe-SMA Weekly Large Cap Long Index
42	EAVOL	Equity Armor Investments VOL 365 Index	85	SMLCW	
43	EFS	MXEF Option Settlement Value (on CSMI Main & MSCI channels)			

Continued						
86	SP10R90P	S&P 500 10% Daily Risk Control 90% Put Protection Index (NTR)	123	SPRF04	Cboe S&P 500 15% Buffer Protect Index April Series	
87	SP10R95P	S&P 500 10% Daily Risk Control 95% Put Protection Index (NTR)	124	SPRF07	Cboe S&P 500 15% Buffer Protect Index July Series	
88	SP10RC90P	S&P 500 10% Daily Risk Control 90% Put Protection Composite Index (NTR)	125	SPRF10	Cboe S&P 500 15% Buffer Protect Index October Series	
89	SP10RC95P	S&P 500 10% Daily Risk Control 95% Put Protection Composite Index (NTR)	126	SPRI	Cboe S&P 500 Range Bound Premium Income Index	
90	SP18R90P	S&P 500 18% Daily Risk Control 90% Put Protection Index (NTR)	127	SPRO	Cboe S&P 500 Buffer Protect Index Balanced Series	
91	SP18R95P	S&P 500 18% Daily Risk Control 95% Put Protection Index (NTR)	128	SPRO01	Cboe S&P 500 Buffer Protect Index January Series	
92	SP18RC90P	S&P 500 18% Daily Risk Control 90% Put Protection Composite Index (NTR)	129	SPRO02	Cboe S&P 500 Buffer Protect Index February Series	
93	SP18RC95P	S&P 500 18% Daily Risk Control 95% Put Protection Composite Index (NTR)	130	SPRO03	Cboe S&P 500 Buffer Protect Index March Series	
94	SPAI	Cboe S&P 500 Dividend Aristocrat Target Income Index	131	SPRO04	Cboe S&P 500 Buffer Protect Index April Series	
95	SPATI	Cboe S&P 500 Dividend Aristocrat Target Income Monthly Series Index	132	SPRO05	Cboe S&P 500 Buffer Protect Index May Series	
96	SPEB01	Cboe S&P 500 2x Up, 1:1 Down, 10% Buffer Protect January Series Index	133	SPRO06	Cboe S&P 500 Buffer Protect Index June Series	
97	SPEB04	Cboe S&P 500 2x Up, 1:1 Down, 10% Buffer Protect April Series Index	134	SPRO07	Cboe S&P 500 Buffer Protect Index July Series	
98	SPEB07	Cboe S&P 500 2x Up, 1:1 Down, 10% Buffer Protect July Series Index	135	SPRO08	Cboe S&P 500 Buffer Protect Index August Series	
99	SPEB10	Cboe S&P 500 2x Up, 1:1 Down, 10% Buffer Protect October Series Index	136	SPRO09	Cboe S&P 500 Buffer Protect Index September Series	
100	SPEG01	Cboe S&P 500 Enhanced Growth Index January Series	137	SPRO10	Cboe S&P 500 Buffer Protect Index October Series	
101	SPEG04	Cboe S&P 500 Enhanced Growth Index April Series	138	SPRO11	Cboe S&P 500 Buffer Protect Index November Series	
102	SPEG07	Cboe S&P 500 Enhanced Growth Index July Series	139	SPRO12	Cboe S&P 500 Buffer Protect Index December Series	
103	SPEG10	Cboe S&P 500 Enhanced Growth Index October Series	140	SPRS01	Cboe S&P 500 30% (-5% to -35%) Buffer Protect Index January Series	
104	SPEN	Cboe S&P 500 Enhanced Growth Balanced Series	141	SPRS04	Cboe S&P 500 30% (-5% to -35%) Buffer Protect Index April Series	
105	SPEN01	Cboe S&P 500 Enhanced Growth January Series	142	SPRS07	Cboe S&P 500 30% (-5% to -35%) Buffer Protect Index July Series	
106	SPEN02	Cboe S&P 500 Enhanced Growth February Series	143	SPRS10	Cboe S&P 500 30% (-5% to -35%) Buffer Protect Index October Series	
107	SPEN03	Cboe S&P 500 Enhanced Growth March Series	144	SPXR15N2	S&P 500 15% Daily Risk Control Covered Call 102% Strike Overlay Index (NTR)	
108	SPEN04	Cboe S&P 500 Enhanced Growth April Series	145	SPXR18N3	S&P 500 18% Daily Risk Control Covered Call 103% Strike Overlay Index (NTR)	
109	SPEN05	Cboe S&P 500 Enhanced Growth May Series	146	SRO	S&P 500 Range Option Underlying Index	
110	SPEN06	Cboe S&P 500 Enhanced Growth June Series	147	SRVIX	Cboe Interest Volatility Index	
111	SPEN07	Cboe S&P 500 Enhanced Growth July Series	148	SUPDN	Cboe S&P Enhance and Buffer Index	
112	SPEN08	Cboe S&P 500 Enhanced Growth August Series	149	SVRO	Cboe S&P 500 Short-Term Volatility Index Settlement Price	
113	SPEN09	Cboe S&P 500 Enhanced Growth September Series	150	SVRPO	Cboe S&P 500 Market-Neutral Volatility Risk Premia Optimized Index	
114	SPEN10	Cboe S&P 500 Enhanced Growth October Series	151	SWANXT	ARGI BlackSwan Core Index	
115	SPEN11	Cboe S&P 500 Enhanced Growth November Series	152	TNX	Cboe Interest Rate 10 Year T Note	
116	SPEN12	Cboe S&P 500 Enhanced Growth December Series	153	TWAV1	Cboe 1st VIX Futures Mid-Morning 15 minute Indicative TWAP Value	
117	SPER15N2	S&P 500 15% Daily Risk Control Covered Call 102% Strike Index (NTR)	154	TWAV2	Cboe 2nd VIX Futures Mid-Morning 15 Minute Indicative TWAP Value	
118	SPER15P2	S&P 500 15% Daily Risk Control Covered Call 102% Strike Index	155	TWAV3	Cboe 3rd VIX Futures Mid-Morning 15 Minute Indicative TWAP Value	
119	SPER18N3	S&P 500 18% Daily Risk Control Covered Call 103% Strike Index (NTR)	156	TWBV1	Cboe 1st VIX Futures Mid-Morning 3 Hour Indicative TWAP Value	
120	SPJGBV	S&P/JPX JGB VIX	157	TWBV2	Cboe 2nd VIX Futures Mid-Morning 3 Hour Indicative TWAP Value	
121	SPJGBVRT	S&P/JPX JGB VIX Real-Time	158	TWBV3	Cboe 3rd VIX Futures Mid-Morning 3 Hour Indicative TWAP Value	
122	SPRF01	Cboe S&P 500 15% Buffer Protect Index January Series				

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159	TWLV1	Cboe 1st VIX Futures Mid-Morning Indicative TWAP Value	215	VIX11W	Cboe VIX 11 Weekly Futures Index
160	TWLV2	Cboe 2nd VIX Futures Mid-Morning Indicative TWAP Value	216	VIX12W	Cboe VIX 12 Weekly Futures Index
161	TWLV3	Cboe 3rd VIX Futures Mid-Morning Indicative TWAP Value	217	VIX13W	Cboe VIX 13 Weekly Futures Index
162	TWLV4	Cboe 4th VIX Futures Mid-Morning Indicative TWAP Value	218	VIX14W	Cboe VIX 14 Weekly Futures Index
163	TWLV5	Cboe 5th VIX Futures Mid-Morning Indicative TWAP Value	219	VIX15W	Cboe VIX 15 Weekly Futures Index
164	TWLV6	Cboe 6th VIX Futures Mid-Morning Indicative TWAP Value	220	VIX17W	Cboe VIX 17 Weekly Futures Index
165	TWLV7	Cboe 7th VIX Futures Mid-Morning Indicative TWAP Value	221	VIX18W	Cboe VIX 18 Weekly Futures Index
166	TWLV8	Cboe 8th VIX Futures Mid-Morning Indicative TWAP Value	222	VIX19W	Cboe VIX 19 Weekly Futures Index
167	TWLV9	Cboe 9th VIX Futures Mid-Morning Indicative TWAP Value	223	VIX1Y	Cboe S&P 500 One-Year Volatility Index
168	TYVIX	Cboe/CBOT 10-year U.S. Treasury Note Volatility Index	224	VIX21W	Cboe VIX 21 Weekly Futures Index
169	TYX	Treasury Yield 30 Years	225	VIX22W	Cboe VIX 22 Weekly Futures Index
170	UZF	Cboe VIX Jan Futures 4 pm EST Mark Index	226	VIX23W	Cboe VIX 23 Weekly Futures Index
171	UZG	Cboe VIX Feb Futures 4 pm EST Mark Index	227	VIX24W	Cboe VIX 24 Weekly Futures Index
172	UZH	Cboe VIX Mar Futures 4 pm EST Mark Index	228	VIX25W	Cboe VIX 25 Weekly Futures Index
173	UZJ	Cboe VIX Apr Futures 4 pm EST Mark Index	229	VIX26W	Cboe VIX 26 Weekly Futures Index
174	UZK	Cboe VIX May Futures 4 pm EST Mark Index	230	VIX27W	Cboe VIX 27 Weekly Futures Index
175	UZM	Cboe VIX Jun Futures 4 pm EST Mark Index	231	VIX28W	Cboe VIX 28 Weekly Futures Index
176	UZN	Cboe VIX Jul Futures 4 pm EST Mark Index	232	VIX30W	Cboe VIX 30 Weekly Futures Index
177	UZQ	Cboe VIX Aug Futures 4 pm EST Mark Index	233	VIX31W	Cboe VIX 31 Weekly Futures Index
178	UZU	Cboe VIX Sep Futures 4 pm EST Mark Index	234	VIX32W	Cboe VIX 33 Weekly Futures Index
179	UZV	Cboe VIX Oct Futures 4 pm EST Mark Index	235	VIX33W	Cboe VIX 32 Weekly Futures Index
180	UZX	Cboe VIX Nov Futures 4 pm EST Mark Index	236	VIX34W	Cboe VIX 34 Weekly Futures Index
181	UZZ	Cboe VIX Dec Futures 4 pm EST Mark Index	237	VIX35W	Cboe VIX 35 Weekly Futures Index
182	VAEEM	Cboe VXEEM Ask	238	VIX36W	Cboe VIX 36 Weekly Futures Index
183	VAF	S&P Variance Futures Settlement Price	239	VIX37W	Cboe VIX 37 Weekly Futures Index
184	VAFF0	Cboe Jan 2020 S&P Variance Futures Closing Price	240	VIX39W	Cboe VIX 39 Weekly Futures Index
185	VAFG0	Cboe Feb 2020 S&P Variance Futures Closing Price	241	VIX3M	Cboe S&P 500 3 Month Volatility Index
186	VAFH0	Cboe Mar 2020 S&P Variance Futures Closing Price	242	VIX40W	Cboe VIX 40 Weekly Futures Index
187	VAFJ0	Cboe Apr 2020 S&P Variance Futures Closing Price	243	VIX41W	Cboe VIX 41 Weekly Futures Index
188	VAFM0	Cboe Jun 2020 S&P Variance Futures Closing Price	244	VIX43W	Cboe VIX 43 Weekly Futures Index
189	VAFM1	Cboe Jun 2021 S&P Variance Futures Closing Price	245	VIX44W	Cboe VIX 44 Weekly Futures Index
190	VAFU0	Cboe Sep 2020 S&P Variance Futures Closing Price	246	VIX45W	Cboe VIX 45 Weekly Futures Index
191	VAFV0	Cboe Oct 2020 S&P Variance Futures Closing Price	247	VIX46W	Cboe VIX 46 Weekly Futures Index
192	VAFV9	Cboe Oct 2019 S&P Variance Futures Closing Price	248	VIX47W	Cboe VIX 47 Weekly Futures Index
193	VAFX0	Cboe Nov 2020 S&P Variance Futures Closing Price	249	VIX48W	Cboe VIX 48 Weekly Futures Index
194	VAFX9	Cboe Nov 2019 S&P Variance Futures Closing Price	250	VIX49W	Cboe VIX 49 Weekly Futures Index
195	VAFZ0	Cboe Dec 2020 S&P Variance Futures Closing Price	251	VIX50W	Cboe VIX 50 Weekly Futures Index
196	VAFZ1	Cboe Dec 2021 S&P Variance Futures Closing Price	252	VIX51W	Cboe VIX 51 Weekly Futures Index
197	VAFZ9	Cboe Dec 2019 S&P Variance Futures Closing Price	253	VIX52W	Cboe VIX 52 Weekly Futures Index
198	VBEEEM	Cboe VXEEM Bid	254	VIX6M	Cboe S&P 500 6-Month Volatility Index
199	VFTW1	Cboe 1st Month VIX Futures 15 Minute EOD Indicative TWAP Value	255	VIX9D	Cboe S&P 500 9-Day Volatility Index
200	VFTW2	Cboe 2nd Month VIX Futures 15 Minute EOD Indicative TWAP Value	256	VIXAPR	Cboe VIX Apr Futures Index
201	VIF	Far Term S&P 500 Volatility Index	257	VIXAUG	Cboe VIX Aug Futures Index
202	VIFMO	Cboe Far-Term VIXMO Index	258	VIXDEC	Cboe VIX Dec Futures Index
203	VIN	Near Term S&P 500 Volatility Index	259	VIXFEB	Cboe VIX Feb Futures Index
204	VINMO	Cboe Near-Term VIXMO Index	260	VIXJAN	Cboe VIX Jan Futures Index
205	VINXE	Cboe SPX Near Term Expiry VIX Index	261	VIXJUL	Cboe VIX Jul Futures Index
206	VIX	Volatility S&P 500	262	VIXJUN	Cboe VIX Jun Futures Index
207	VIX01W	Cboe VIX 01 Weekly Futures Index	263	VIXMAR	Cboe VIX Mar Futures Index
208	VIX02W	Cboe VIX 02 Weekly Futures Index	264	VIXMAY	Cboe VIX May Futures Index
209	VIX04W	Cboe VIX 04 Weekly Futures Index	265	VIXMO	Cboe Standard Monthly Only Volatility Index
210	VIX05W	Cboe VIX 05 Weekly Futures Index	266	VIXNOV	Cboe VIX Nov Futures Index
211	VIX06W	Cboe VIX 06 Weekly Futures Index	267	VIXOCT	Cboe VIX Oct Futures Index
212	VIX08W	Cboe VIX 08 Weekly Futures Index	268	VIXSEP	Cboe VIX Sep Futures Index
213	VIX09W	Cboe VIX 09 Weekly Futures Index	269	VPD	Cboe VIX Premium Strategy Index
214	VIX10W	Cboe VIX 10 Weekly Futures Index	270	VPN	Cboe Capped VIX Premium Strategy Index

<b>Continued</b>					
271	VRO	Cboe Volatility Index Settlement Value			
272	VSTF	Cboe SPX Far-Term VXST Index	331	MHDP	Miller/Howard Strategic Dividend Index Price Return
273	VSTG	Cboe VIX Strangle Index	332	MHDT	Miller/Howard Strategic Dividend Index Total Return
274	VSTN	Cboe SPX Near-Term VXST Index	333	MLPMH	Miller/Howard MLP Fundamental Index Total Return
275	VSTRP	SPX Variance Strip Underlier	334	MLPMP	Miller/Howard MLP Fundamental Index Price Return
276	VVIX	VVIX Index			
277	VW1VX	Cboe Near-Term VIX Future Contract 2 Minute VWAP			<b>Miller Howard (Included in CSMI Main)</b>
278	VW2VX	Cboe Second-Term VIX Future Contract 2 Minute VWAP	335	DDLEV	Dynamic Daily Long Exposure to Volatility Index
279	VW3VX	Cboe Third-Term VIX Future Contract 2 Minute VWAP	336	DDSEV	Dynamic Daily Short Exposure to Volatility Index
280	VWA	Cboe Market Volatility SPX Offer Price	337	DLVIX	Dynamic Long VIX Futures Index
281	VWB	Cboe Market Volatility SPX Bid Price	338	DSVIER	Dynamic Short VIX Futures Index - Excess Return
282	VX1YA	Cboe VIX1Y Indicative Ask	339	DSVIX	Dynamic Short VIX Futures Index
283	VX1YB	Cboe VIX1Y Indicative Bid			
284	VX1YF	Cboe Far-Term VIX1Y			<b>Societe Generale (Included in CSMI Main)</b>
285	VX1YN	Cboe Near-Term VIX1Y	340	CEX	Standard & Poor's Chemicals Index
286	VX3MA	Cboe VIX3M Indicative Ask	341	DJR	Dow Jones Equity REIT Index
287	VX3MB	Cboe VIX3M Indicative Bid	342	DJX	DJIA 1/100th
288	VX3MF	Cboe Far-Term VIX3M	343	DTX	DJTA 1/10th
289	VX3MN	Cboe Near-Term VIX3M	344	DUX	DJUA
290	VXAPL	Cboe Apple VIX	345	DVS	S&P 500 Dividend Index - 10X
291	VXAZN	Cboe Amazon VIX	346	ECM	Dow Jones Internet Commerce
292	VXB	Jumbo Cboe Volatility	347	OEX	Standard & Poor's 100
293	VXD	DJIA Volatility	348	SISB	Materials Select Sector Index Settlement Value
					Communication Services Select Sector Index Settlement Value
294	VXDEC	Cboe S&P 500 December Volatility Index	349	SISC	Value
295	VXEEM	Cboe Emerging Markets ETF Volatility Index	350	SISE	Energy Select Sector Index Settlement Value
296	VXEFA	Cboe EFA ETF Volatility Index	351	SISIN	Industrials Select Sector Index Settlement Value
297	VXEWZ	Cboe Brazil ETF Volatility Index	352	SISM	Financial Select Sector Index Settlement Value
298	VXFWA	VOL Index First Implied Volatility	353	SISR	Consumer Staples Select Sector Index Settlement Value
299	VXFWB	VOL Index Second Forward Implied Volatility	354	SISRE	Real Estate Select Sector Index Settlement Value
300	VXFXI	Cboe China ETF Volatility Index	355	SIST	Technology Select Sector Index
301	VXGDX	Cboe Gold Miners ETF Volatility Index	356	SISUT	Utilities Select Sector Index Settlement Value
302	VXGOG	Cboe Google VIX	357	SISV	Health Select Sector Index Settlement Value
					Consumer Discretionary Select Sector Index Settlement Value
303	VXGS	Cboe Goldman Sachs VIX	358	SISY	Value
304	VXHYG	Cboe High Yield Corporate Bond ETF Volatility Index	359	SIXB	Materials Select Sector Index
305	VXIBM	Cboe IBM VIX	360	SIXC	Communication Services Select Sector Index
306	VXIEF	Cboe 7-10 Year Treasury Bond ETF Volatility Index	361	SIXE	Energy Select Sector Index
307	VXJUN	Cboe S&P 500 June Volatility Index	362	SIXI	Industrials Select Sector Index
308	VXMAR	Cboe S&P 500 March Volatility Index	363	SIXM	Financial Select Sector Index
309	VXN	Cboe Nasdaq-100 Volatility Index	364	SIXR	Consumer Staples Select Sector Index
310	VXO	Cboe OEX Implied Volatility	365	SIXRE	Real Estate Select Sector Index
311	VXS	Cboe Volatility Index Options Settlement Value	366	SIXT	Technology Select Sector Index
312	VXSEP	Cboe S&P 500 September Volatility Index	367	SIXU	Utilities Select Sector Index
313	VXSLV	Cboe Silver ETF Volatility Index	368	SIXV	Health Select Sector Index
314	VXTA1	Cboe 1st VIX Futures TAS Ask Price Index	369	SIXY	Consumer Discretionary Select Sector Index
315	VXTA2	Cboe 2nd VIX Futures TAS Ask Price Index	370	SPDVXE	S&P 500 Dynamic VIX Futures ER
316	VXTA3	Cboe 3rd VIX Futures TAS Ask Price Index	371	SPDVXT	S&P 500 Dynamic VIX Futures TR
317	VXTB1	Cboe 1st VIX Futures TAS Bid Price Index	372	SPVXEP	S&P 500 VIX Futures Enhanced Roll Index ER
318	VXTB2	Cboe 2nd VIX Futures TAS Bid Price Index	373	SPVXET	S&P 500 VIX Futures Enhanced Roll Index TR
319	VXTB3	Cboe 3rd VIX Futures TAS Bid Price Index	374	SPX	Standard & Poor's 500
320	VXTH	Cboe VIX Tail Hedge Index	375	XEO	Standard & Poor's 100 (European)
321	VXTLT	Cboe 20+ Year Treasury Bond ETF Volatility Index	376	XSP	Mini Standard & Poor's 500
		Cboe/CBOT 10-year U.S. Treasury Note Volatility Index			
322	VXTYS	Settlement Price	377	XSPAM	Mini SPX Index (AM Settlement)
323	VXW3	Cboe SPX Week 3 Strip Expiration VIX Index			
324	VXW4	Cboe SPX Week 4 Strip Expiration VIX Index			
325	VXW5	Cboe SPX Week 5 Strip Expiration VIX Index			
326	VXW6	Cboe SPX Week 6 Strip Expiration VIX Index			
327	VXXLE	Cboe Energy Sector ETF Volatility Index			
328	WPUT	Cboe S&P 500 One-Week PutWrite Index			
329	XSM	S&P 600 Settlement			
330	XSR	S&P 500 Settlement Reduced			



## Cboe Streaming Market Indexes as of November 18, 2019

### FTSE Russell

1	BXR	Cboe Russell 2000 BuyWrite
2	BXRC	Cboe Russell 2000 Conditional BuyWrite Index
3	BXRD	Cboe Russell 2000 30-Delta BuyWrite Index
4	BXRT	Cboe Russell 2000 30-Delta BuyWrite V2 Index
5	CLLR	Cboe Russell 2000 Zero-Cost Put Spread Collar Index
6	EMS	FTSE Emerging Index Option Settlement Price
7	PUTR	Cboe Russell 2000 PutWrite Index
8	RIR	Russell 1000 Index Settlement Value
9	RLR	Russell 1000 Growth Index Settlement Value
10	RLS	Russell 2000 Index Settlement Value
11	RSL	Cboe Russell 2000 Volatility Index Settlement Price
12	RUI	Russell 1000 Index
13	RVS	Russell 1000 Value Index Settlement Value
14	RVX	Cboe Russell 2000 Volatility
15	UKS	FTSE 100 Mini Index Settlement Value
16	WPTR	Cboe Russell 2000 One-Week PutWrite Index

### CCCY

1	GXBT	Gemini Bitcoin Trade Price
2	GXET	Gemini Ethereum Trade Price
3	XBTIQ	Gemini 4 pm Bitcoin Auction Indicative Price
4	XBTIS	Gemini 4 pm Bitcoin Auction Indicative Price
5	XBTS	Gemini 4 pm Bitcoin Auction Price

### INAV

1	BAPRIV	Innovator S&P 500 Buffer ETF April Intraday Indicative Value Source: Cboe
2	BAUGIV	Innovator S&P 500 Buffer ETF August Intraday Indicative Value
3	BJANIV	Innovator S&P 500 Buffer ETF January Intraday Indicative Value
4	BJULIV	Innovator S&P 500 Buffer ETF July Intraday Indicative Value
5	BJUNIV	Innovator S&P 500 Buffer ETF June Intraday Indicative Value
6	BNOVIV	Innovator S&P 500 Buffer ETF November Intraday Indicative Value
7	BOCTIV	Innovator S&P 500 Buffer ETF October Intraday Indicative Value
8	BSEPIV	Innovator S&P 500 Buffer ETF September Intraday Indicative Value
9	DAUGIV	FT Cboe Vest U.S. Equity Deep Buffer ETF August Intraday Indicative Value
10	DIVCN	C-Tracks ETN - Miller Howard Strategic Dividend Index TR Intraday Indicative Value
11	DNOVIV	FT Cboe Vest U.S. Equity Deep Buffer ETF November Intraday Indicative Value
12	EAPRIV	Innovator S&P 500 Enhance & Buffer ETF April Intraday Indicative Value Source: Cboe
13	EJULIV	Innovator MSCI Emerging Markets Power Buffer ETF July Intraday Indicative Value
14	EOCTIV	Innovator MSCI Emerging Markets Power Buffer ETF October Intraday Indicative Value
15	FAUGIV	FT Cboe Vest U.S. Equity Buffer ETF August Intraday Indicative Value
16	FNOVIV	FT Cboe Vest U.S. Equity Buffer ETF November Intraday Indicative Value
17	IJULIV	Innovator MSCI EAFE Power Buffer ETF July Intraday Indicative Value
18	IOCTIV	Innovator MSCI EAFE Power Buffer ETF October Intraday Indicative Value
19	KOCTIV	Innovator Russell 2000 Power Buffer ETF October Intraday Indicative Value
20	MLPCN	C-Tracks Linked to the Miller/Howard MLP Fundamental Index Intraday Indicative Value
21	MLPEN	C-Tracks Miller/Howard MLP Fundamental Index Series B Intraday Indicative Value
22	MNV	Invesco S&P 500 BuyWrite ETF-INAV
23	NOCTIV	Innovator Nasdaq-100 Power Buffer ETF October Intraday Indicative Value
24	PAPRIV	Innovator S&P 500 Power Buffer ETF April Intraday Indicative Value Source: Cboe
25	PAUGIV	Innovator S&P 500 Power Buffer ETF August Intraday Indicative Value
26	PJANIV	Innovator S&P 500 Power Buffer ETF January Intraday Indicative Value
27	PJULIV	Innovator S&P 500 Power Buffer ETF July Intraday Indicative Value
28	PJUNIV	Innovator S&P 500 Power Buffer ETF June Intraday Indicative Value
29	PNOVIV	Innovator S&P 500 Power Buffer ETF November Intraday Indicative Value
30	POCTIV	Innovator S&P 500 Power Buffer ETF October Intraday Indicative Value
31	PSEPIV	Innovator S&P 500 Power Buffer ETF September Intraday Indicative Value
32	UAPRIV	Innovator S&P 500 Ultra ETF April Intraday Indicative Value Source: Cboe
33	UAUGIV	Innovator S&P 500 Ultra Buffer ETF August Intraday Indicative Value
34	UJANIV	Innovator S&P 500 Ultra Buffer ETF January Intraday Value
35	UJULIV	Innovator S&P 500 Ultra Buffer ETF July Intraday Value

**Continued**

- 36 UJUNIV Innovator S&P 500 Ultra Buffer ETF June Intraday Value
- 37 UNOVIV Innovator S&P 500 Ultra Buffer ETF November Intraday Indicative Value
- 38 UOCTIV Innovator S&P 500 Ultra Buffer ETF October Intraday Value
- 39 USEPIV Innovator S&P 500 Ultra Buffer ETF September Intraday Indicative Value

***MSCI***

*(available only to Enterprise Fee Customers - please contact [indexdata@cboe.com](mailto:indexdata@cboe.com) for information)*

- 1 BDEA Cboe MSCI EAFE 20-Delta BuyWrite Index (on CSMI & MSCI channels)
- 2 BDEF Cboe MSCI Emerging Markets 20-Delta BuyWrite Index (on CSMI & MSCI channels)
- 3 BXEA Cboe MSCI EAFE BuyWrite Index (on CSMI & MSCI channels)
- 4 BXEF Cboe MSCI Emerging Markets BuyWrite Index (on CSMI & MSCI channels)
- 5 BYEA Cboe MSCI EAFE 2% OTM BuyWrite Index (on CSMI & MSCI channels)
- 6 BYEF Cboe MSCI Emerging Markets 2% OTM BuyWrite Index (on CSMI & MSCI channels)
- 7 EFS MXEF Option Settlement Value (on CSMI & MSCI channels)
- 8 MXEA MSCI EAFE Index
- 9 MXEF MSCI Emerging Markets Index
- 10 MXS MXEA Option Settlement Value (on CSMI & MSCI channels)
- 11 PDEA Cboe MSCI EAFE 20-Delta PutWrite Index (on CSMI & MSCI channels)
- 12 PDEF Cboe MSCI Emerging Markets 20-Delta PutWrite Index (on CSMI & MSCI channels)
- 13 PXEA Cboe MSCI EAFE PutWrite Index (on CSMI & MSCI channels)
- 14 PXEF Cboe MSCI Emerging Markets PutWrite Index (on CSMI & MSCI channels)
- 15 PYEA Cboe MSCI EAFE 2% OTM PutWrite Index (on CSMI & MSCI channels)
- 16 PYEF Cboe MSCI Emerging Markets 2% OTM PutWrite Index (on CSMI & MSCI channels)