

Chart Patterns & Algo. Trader

A Weekly Publication

HAPPY HOLIDAYS

SALE

Trading Dragon
Chart Patterns

- Stocks/Options/Futures
- Commodities/FX
- Daily/Weekly/Monthly Analysis
- Watchlists
- Auto Generated Chart Patterns/Analysis
- Algorithmic Trading Analysis/Results
- Advanced Trading Ideas
- Relative Strength Ranks

Restaurant Stocks

Chart Patterns & Algorithmic Trader 2017 ALL RIGHTS RESERVED

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HAPPY
Holidays



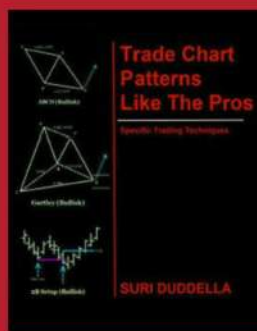
Happy Holidays!
Merry Christmas!
Happy New Year
2018!

Happy Holidays!

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Market Quotes

"Avoiding mistakes makes people stupid and having to be right makes you obsolete."

- Robert Kiyosaki

"The test of success is not what you do when you are on top. Success is how high you bounce when you hit bottom."

- General George S. Patton

"Great spirits have always encountered violent opposition from mediocre minds."

- Albert Einstein

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Major Indexes



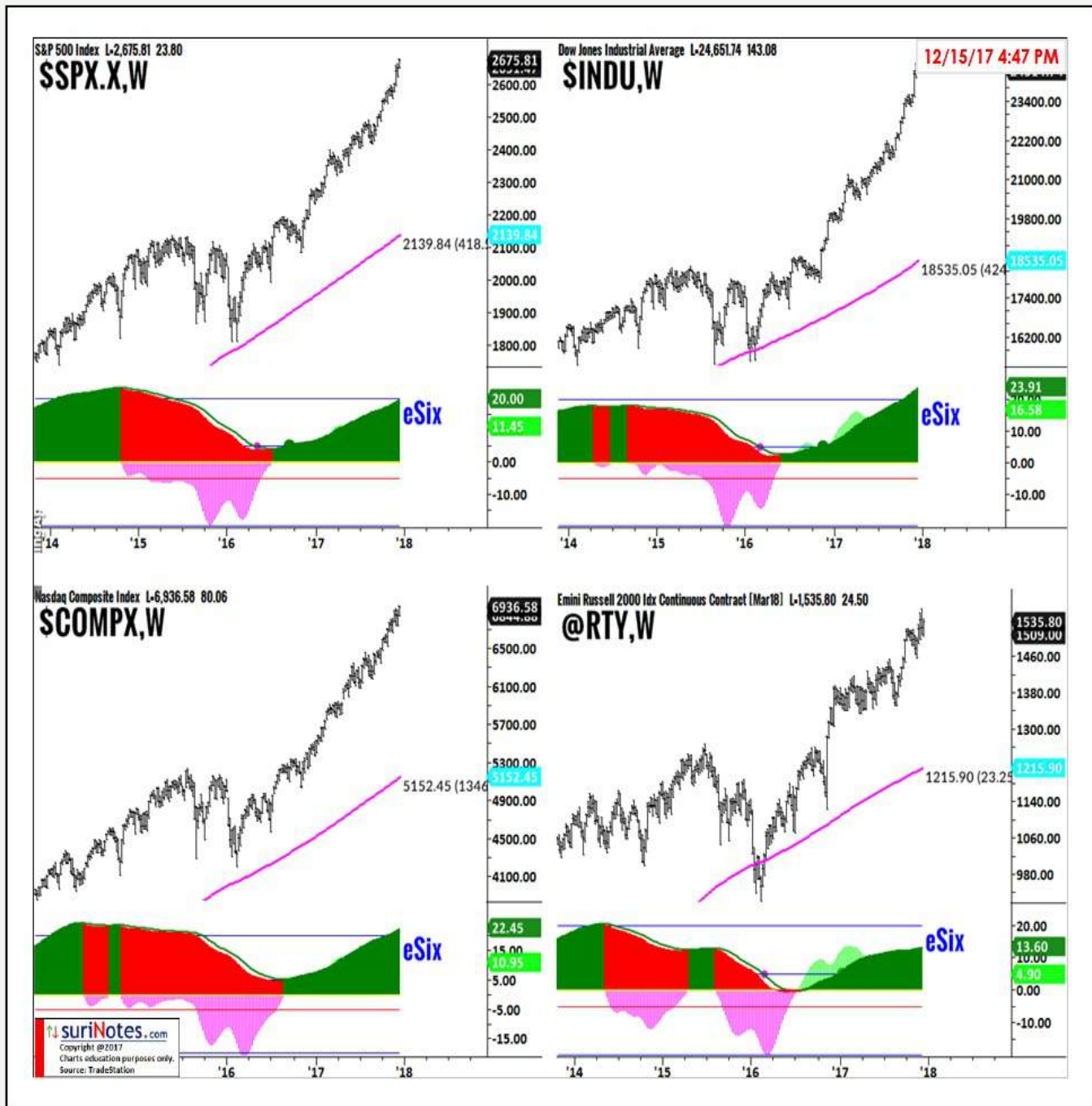
Major Indexes

	Symbol	Last	Net Chg	suri.Chg%			
				1D%	W%	M%	YTD%
1	\$COMPX	6,936.58	80.06	1.15	1.41	2.95	28.86
2	\$INDU	24,651.74	143.08	0.58	1.33	5.31	24.74
3	\$SPX.X	2,675.81	23.80	0.89	0.92	3.76	19.52
4	@GC(D)	1,258.2	1.1	0.68	0.70	-2.4	7.30
5	@RTY	1,536.80	25.50	1.66	0.83	4.29	13.14
6	\$TRAN	10,393.01	65.06	0.63	(0.09)	9.52	14.92
7	@US(D)	154 8/32	5/32	0.26	0.80	1 27/32	5.68
8	@SI(D)	16.085	0.151	0.41	0.70	-7.069	(2.69)
9	@TY(D)	124'14.0	-0'04.0	(0.04)	0.24	0'04.5	1.33
10	@QM(D)	57.375	0.325	0.79	(0.52)	0.175	(1.17)
11							

Major Indexes %Chg YTD

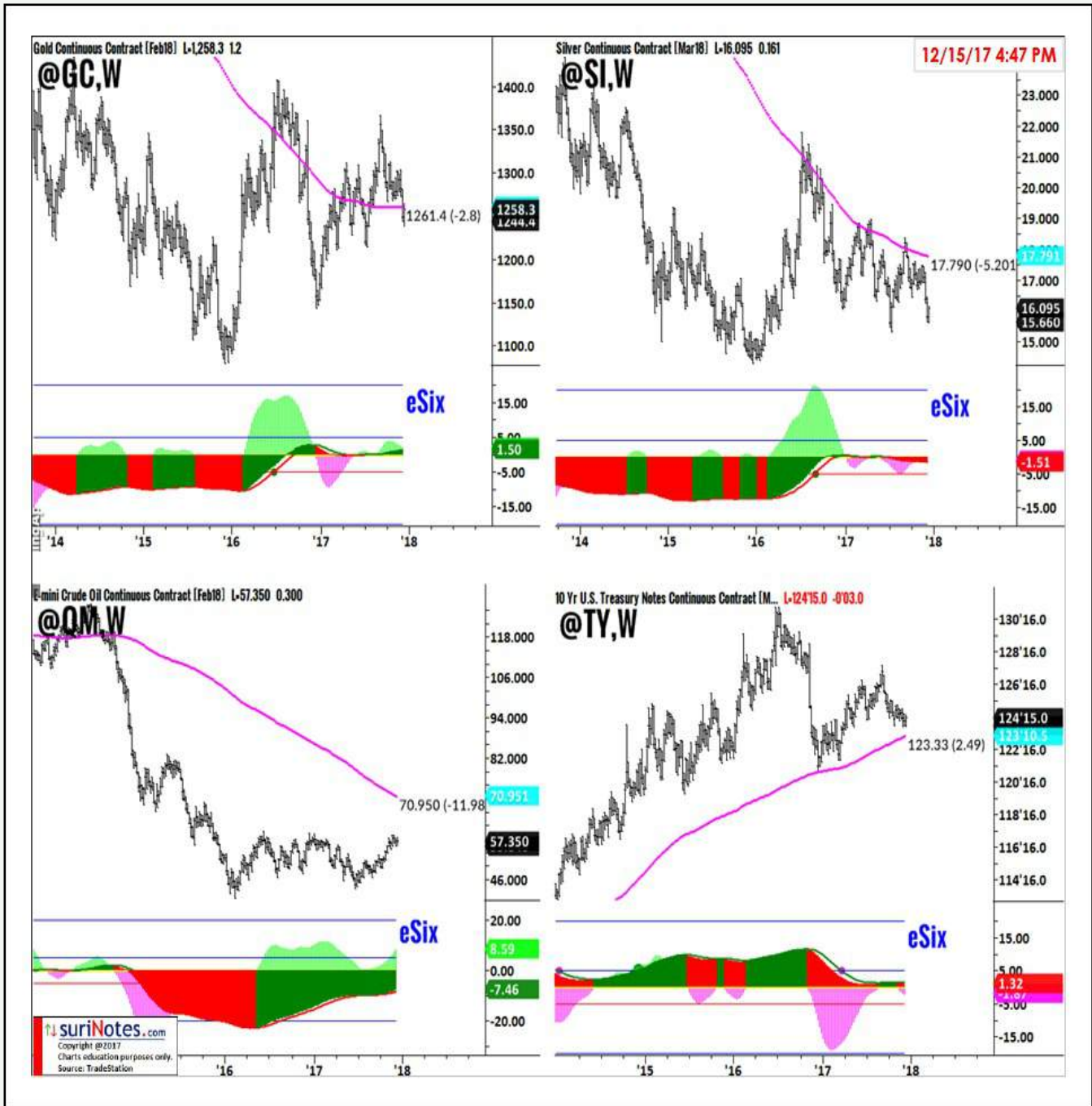


Major Market Indexes Trends



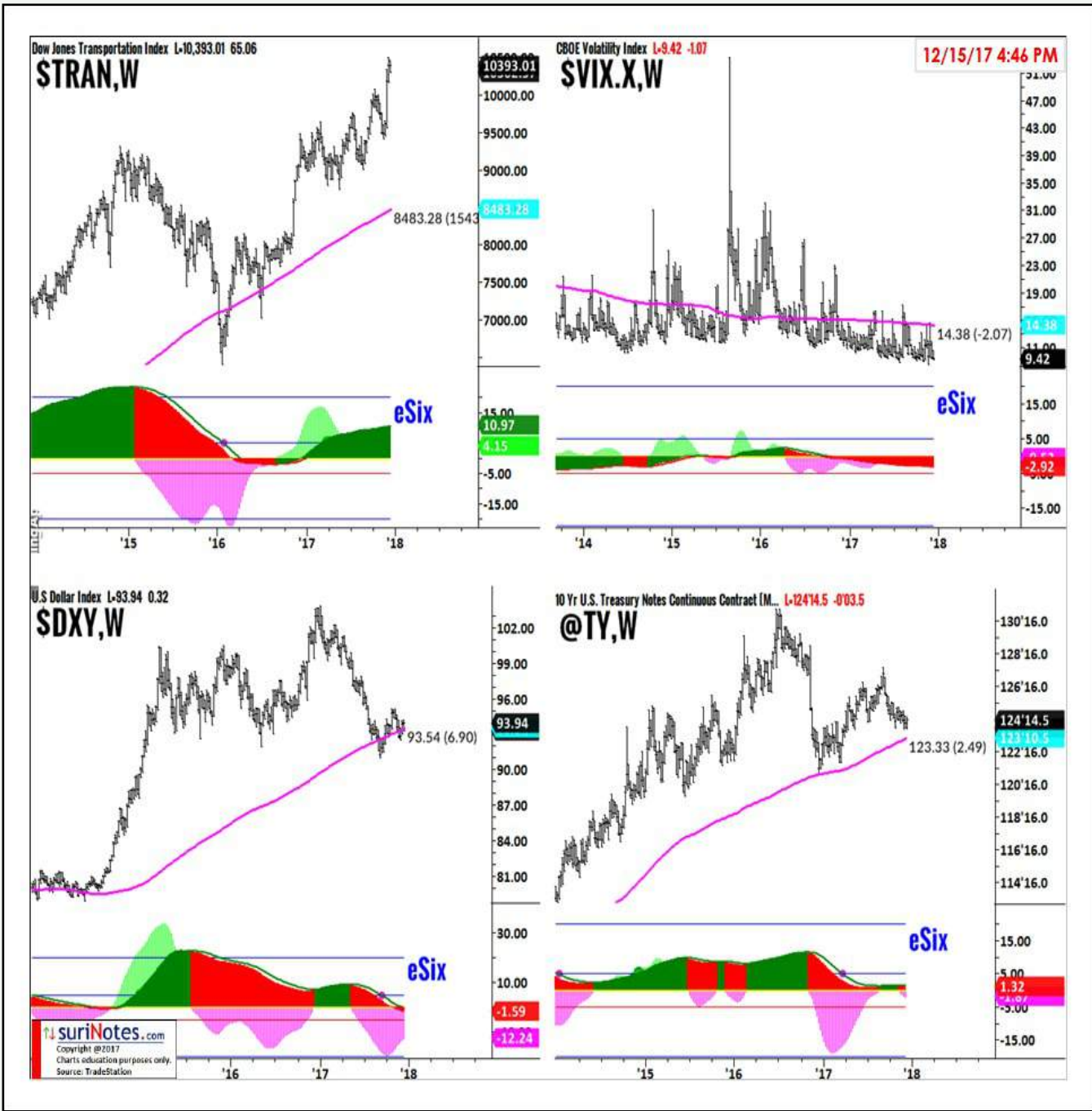
All four major market indexes (Weekly) charts are showing strong eSix trends.

Gold, Silver, Oil and 10 Yr Notes



Gold started to weaken in its trend as it trades below 200 MA. Silver and Oil are still way below its 200 MA and Treasury Notes is just above 200 MA.

TRAN, VIX, DXY, @TY



Transportation Index, VIX, U.S. Dollar Index (Weekly) and eSIX trend indicator.

@QM Inv. H&S Pattern



@QM (D) is forming Cup & Handle Pattern. C&H patterns are valid when price closes above breakout level. Entry above breakout level: 59.575, Handle Low: 55.825, 23.15% below breakout level. T1: 69.59 to 72.31 T2: 80.15 to 85.82

@GC (W) ABC Bullish Pattern



Reviewed in CPAT 09/18/17

\$@GC (W) ABC Bullish Pattern Long Entry above 1207.8, Stop below 1144.1 (-63.7), Target1 Zone: 1347 to 1402, Target2 Zone: 1560 to 1675

Restaurant Stocks



Restaurant Stocks (YTD%)



Restaurant Stocks

PBJ Food & Beverage ETF

PEJ Leisure & Entertainment ETF

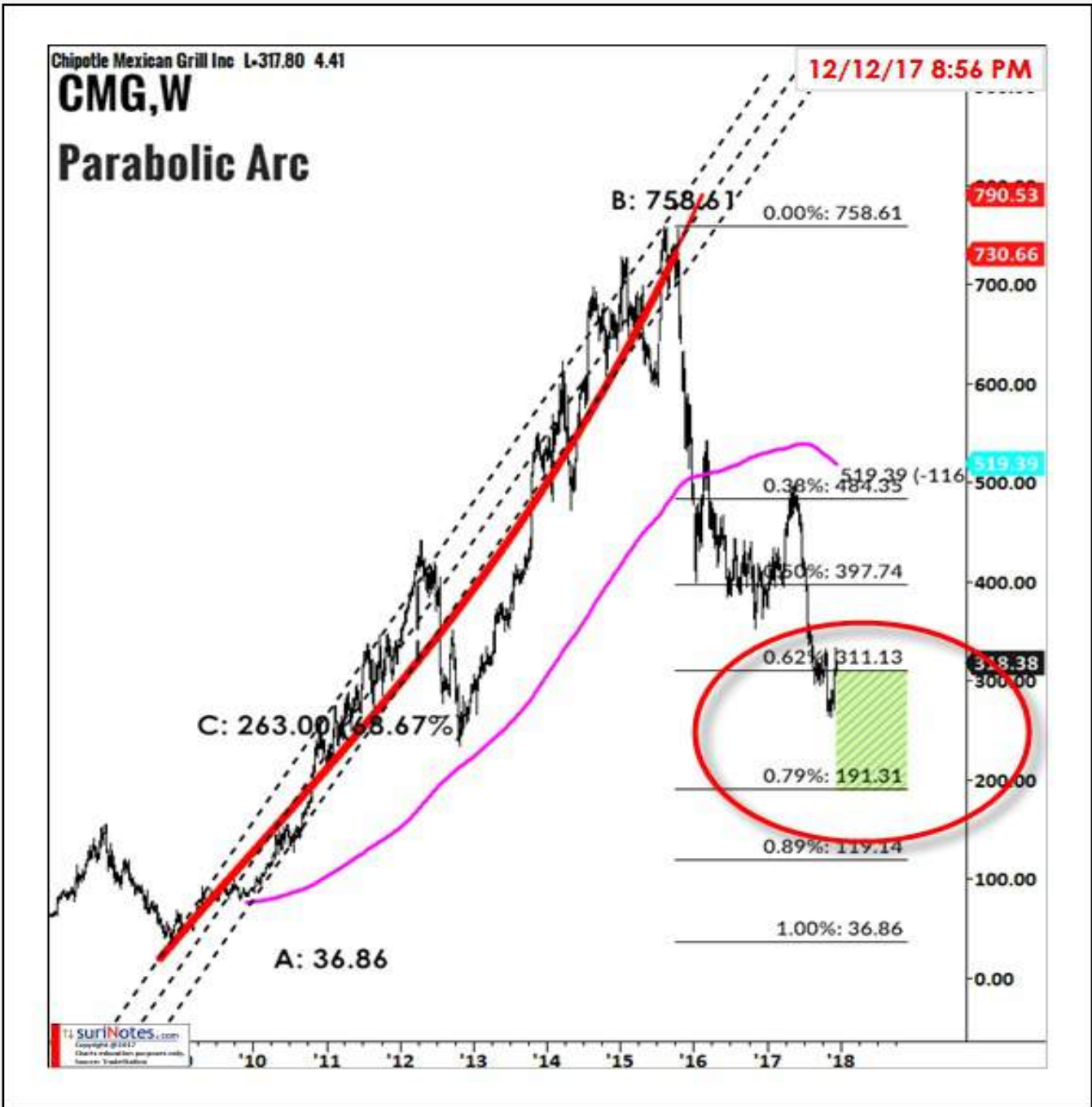
mt	PlotSymbol		Last	suri.Chg%			
	Sym	Name		1D%	W%	M%	YTD%
1	Restaurant_Stocks						
2	RICK	RCI Hospitality Hldgs Inc	29.47	(0.95)	(4.07)	4.43	72.34
3	MCD	McDonald's Corp	173.60	0.76	0.23	4.81	42.58
4	DAVE	Famous Dave's Of America	7.00	4.26	33.02	93.15	42.42
5	YUM	Yum! Brands Inc	82.19	0.24	(1.36)	3.27	29.78
6	NATH	Nathan's Famous Inc	83.16	(3.91)	(8.07)	12.47	28.12
7	DRI	Darden Restaurants	87.60	0.53	1.38	6.00	20.46
8	BLMN	Bloomin' Brands Inc	21.28	(0.42)	(1.39)	25.32	18.03
9	RUTH	Ruth's Hospitality Grp Inc	21.50	0.93	0.47	8.04	17.49
10	WEN	The Wendy's Co	15.63	1.54	2.49	7.79	15.61
11	DPZ	Domino's Pizza	180.51	(0.06)	(1.85)	4.14	13.36
12	PEJ	PwrShs Dynamic Leisure & Ent	43.33	0.12	(0.60)	3.86	8.27
13	TXRH	Texas Roadhouse Inc	52.15	2.34	1.32	6.32	8.08
14	SONC	Sonic Corp	28.32	1.34	2.83	17.46	6.83
15	DENN	Denny's Corporation	13.62	2.64	2.71	10.73	6.16
16	PBJ	PwrShs Dynamic Food & Beverage	33.72	(0.24)	(0.53)	6.31	0.75
17	CBRL	Cracker Barrel Old Country St	164.05	0.67	0.79	6.07	0.34
18	RRGB	Red Robin Gourmet Burgers	53.86	1.39	2.47	14.70	(4.52)
19	JACK	Jack in the Box Inc	102.50	(0.09)	(1.99)	2.50	(8.20)
20	CMG	Chipotle Mexican Grill Inc	320.00	0.41	1.20	14.40	(15.27)
21	CAKE	Cheesecake Factory	48.31	0.21	(0.39)	9.00	(19.34)
22	EAT	Brinker Intl Inc	38.94	1.46	4.12	15.41	(21.38)
23	PZZA	Papa John's Intl	58.17	0.57	1.02	-2.30	(32.04)
24	DIN	DineEquity Inc	51.81	2.08	2.59	11.09	(32.73)
25	Disclaimer: Education purposes only, not an advice. Charts by 24/7 Wall St.						

CBRL AB=CD Pattern



CBRL (Daily) is trading in bullish AB=CD pattern. Pattern long entry is above \$145. Targets: \$154 to \$157 and \$167-174.

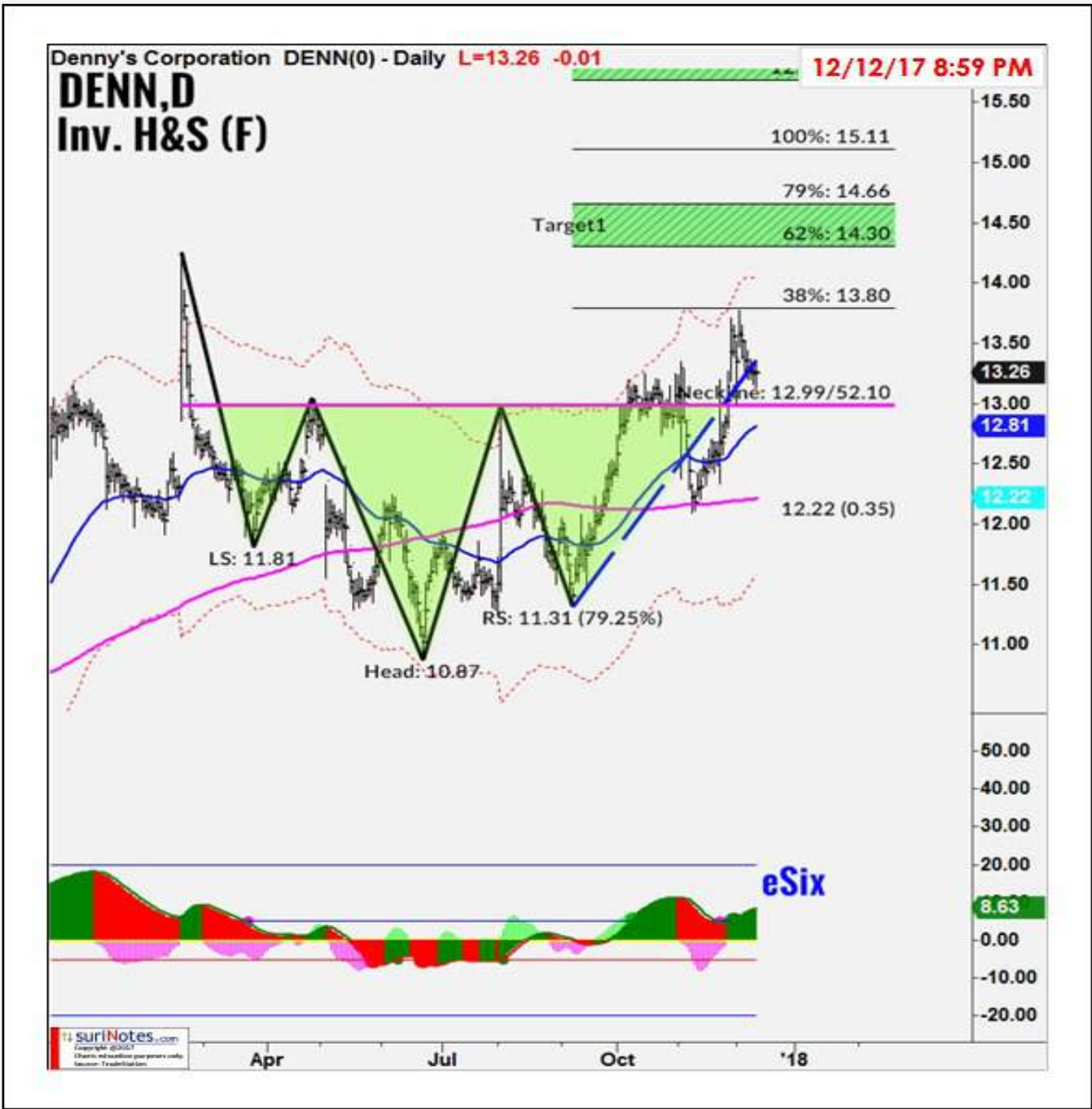
CMG Parabolic Arc Pattern



Reviewed in CPAT 09/18/17

\$CMG (W) is trading in Parabolic Arc from 01/28/2011 (low: 36.86) to 08/07/2015 (high: 758.61). Parabolic Arc patterns are long-term patterns, but most of the upside parabolic patterns return to at least 50-62% of its prior rise in a correction mode. CMG target range: \$199-\$311.

DENN Inv. H&S Pattern



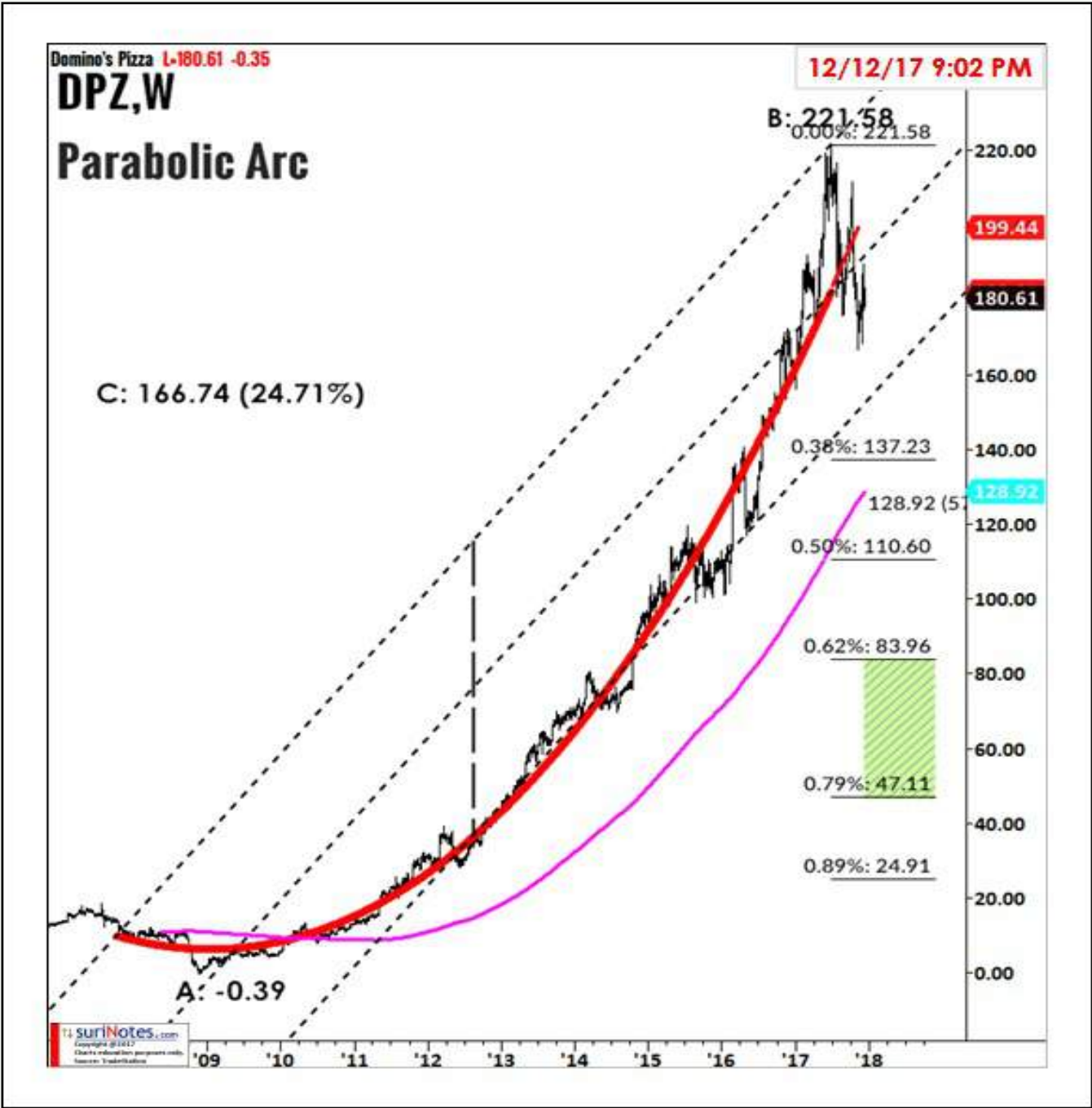
DENN (D) is trading in Inv. H&S Pattern (F). Long entry above 12.99, Stop below 12.15 (0.84), Target1 Zone: 14.3 to 14.7, Target2 Zone: 15.7 to 16.4

DIN ABC Bullish Pattern



\$DIN (D) ABC Bullish Pattern Long Entry above 44.17, Stop below 42.04 (-2.13), Target1 Zone: 49.3 to 51.3, Target2 Zone: 57.0 to 61.1

DPZ Parabolic Arc Pattern



\$DPZ (W) is trading in Parabolic Arc from 05/01/2009 (low: -0.39) to 06/30/2017 (high: 221.58). Parabolic Arc patterns are long-term patterns, but most of the upside parabolic patterns return to at least 50-62% of its prior rise in a correction mode.

MCD ABC Bullish Pattern



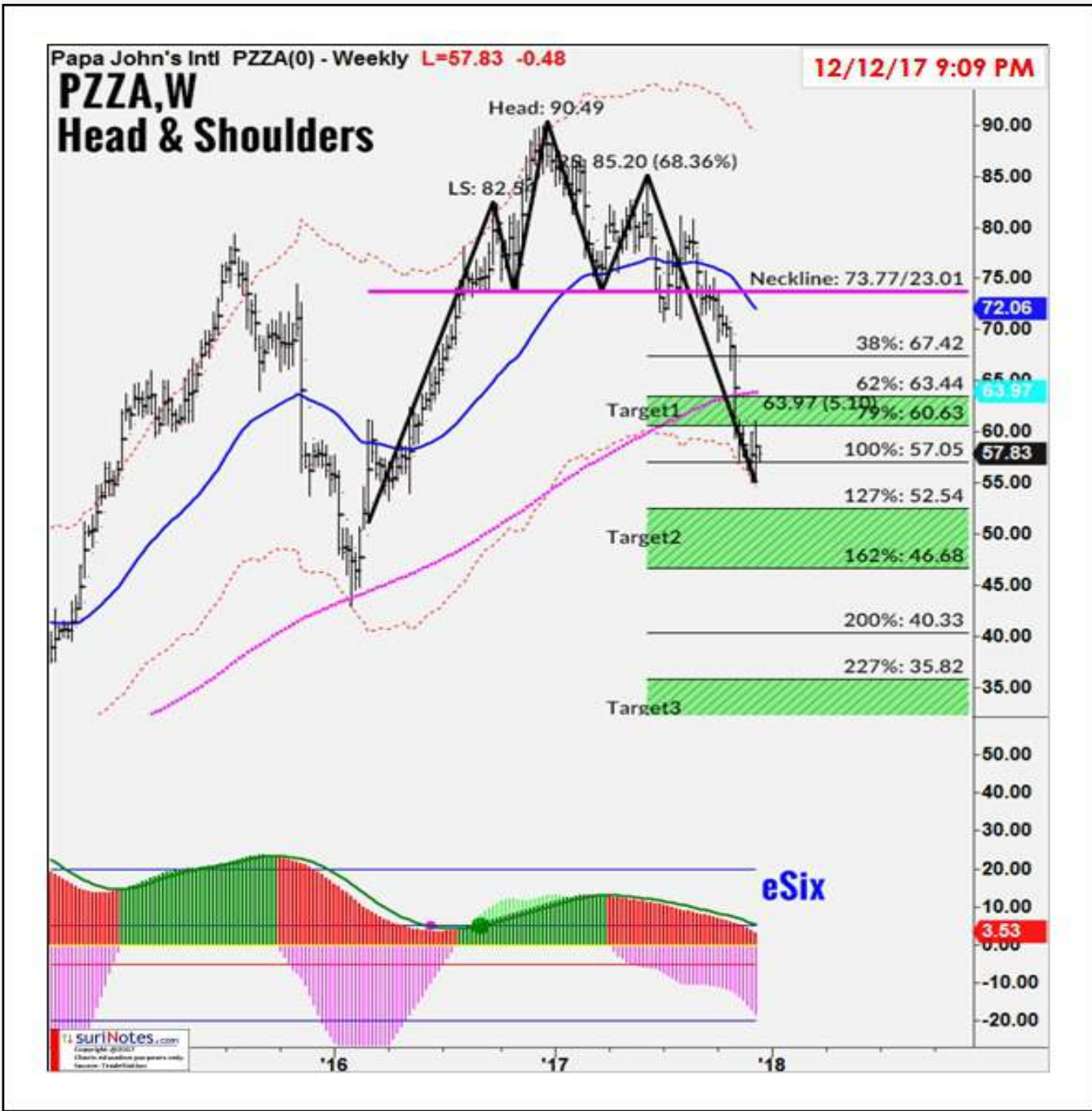
\$MCD (W) ABC Bullish Pattern Long Entry above 114.84, Stop below 110.32 (-4.52), Target1 Zone: 137.7 to 145.2, Target2 Zone: 166.6 to 182.2

NATH Symm. Triangle Pattern



NATH (W) is trading in Symmetric Triangle pattern. Pattern breakout level: \$52.01.
Targets: \$71-76, \$91-101, \$121-132

PZZA Head & Shoulders Pattern



Reviewed in CPAT 11/06/17

\$PZZA (W) is trading in H&S Pattern. Short entry below 73.77, Stop above 79.48 (-5.72), Target1 Zone: 63.4 to 60.6, Target2 Zone: 52.5 to 46.7

Chart Patterns

Stocks/Options/Indexes

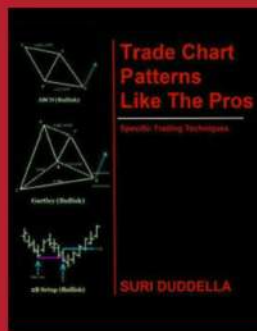


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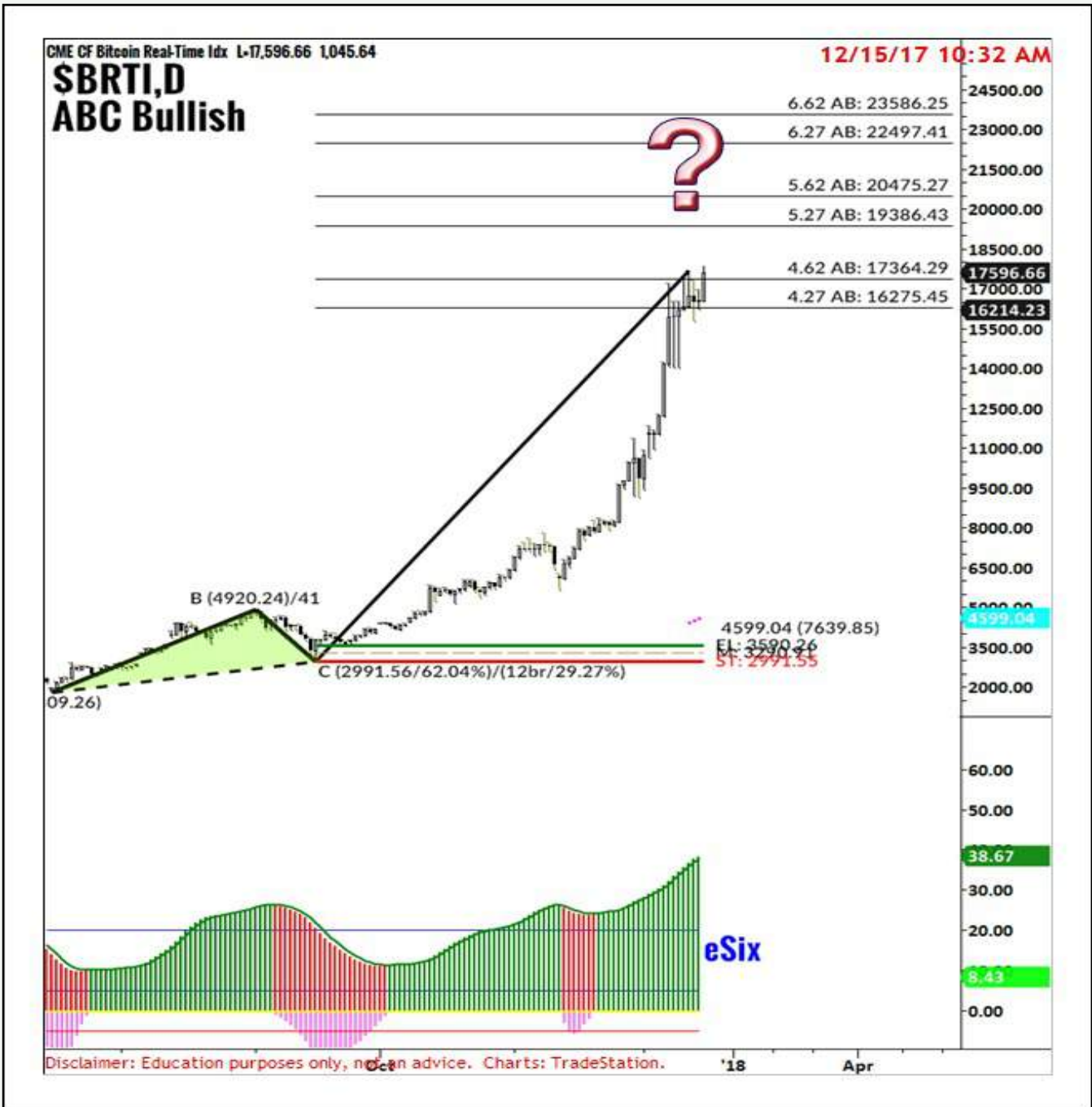
Patterns Gallery

Updated: 12/01/17

Pattern Name	Symbols
ABC Bullish	AAL,LUV,COST,TSCO,SPLK,GLD,IBM,FDX,AMGN
ABC Bearish	ORCL,PCLN,EXPE,CTRP,AMD
AB=CD	AAPL,ADSK,FB,EBAY,AMGN,CELG
Gartleys (all X5)	LULU,GD,STX,TSLA,PG,KLAC
Head and Shoulders	TSLA,PCLN,PZZA,CTRP,EA
Inv. Head and Shoulders	OIL,AKAM,GS,GWPH
Cup and Handles	SPLK,CVX,UPS,CSCO,NFLX,NKE,GS
Parabolic Arcs	NVDA,ULTA,AVGO,ADBE,SQ,AMZN
Channels	LULU,GOOG,MELI,LOGM
Triangles	GOOG,CSCO,GS,AMTD,CSIQ,AAL,CRAY
Double Top and Bottom	MRK,CSCO,PG,AMD,AAL,CREE
Dragons	DVN,TTM,C,CVX,GS,VRSN,IBM

Disclaimer: Educational Purposes Only. Not an advice.

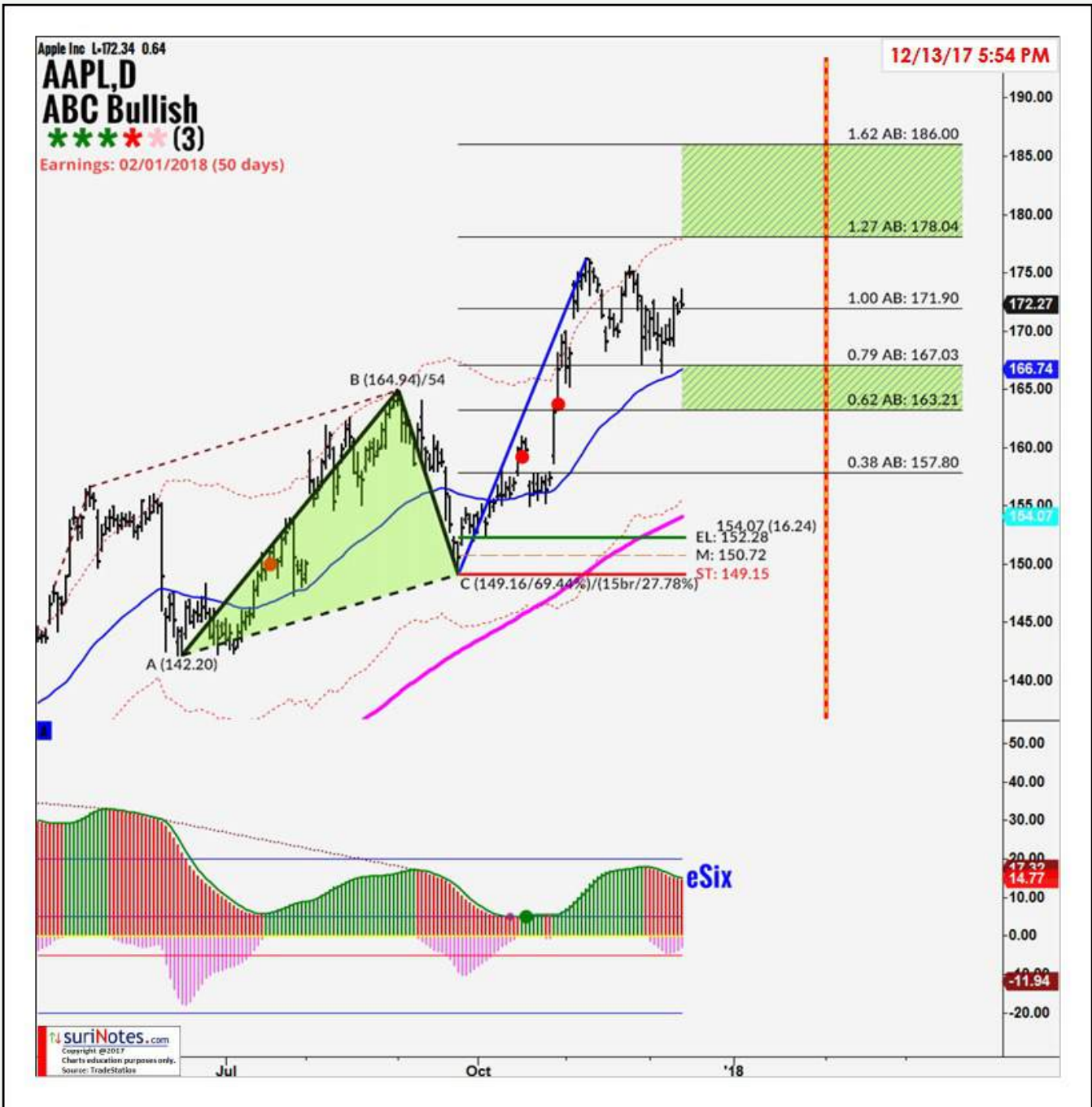
\$BRTI ABC Bullish Pattern



Reviewed in CPAT 11/19/17

\$BRTI (D, CME Bitcoin Real-Time Idx) ABC Bullish Pattern Long Entry above 3590.26, Stop below 2991.55 (-598.71), Target5 Zone: 16275-17364, Target6 zone: 19386-20475, Target7 zone: 22497-23586

AAPL ABC Bullish Pattern



Reviewed in CPAT 10/23/17

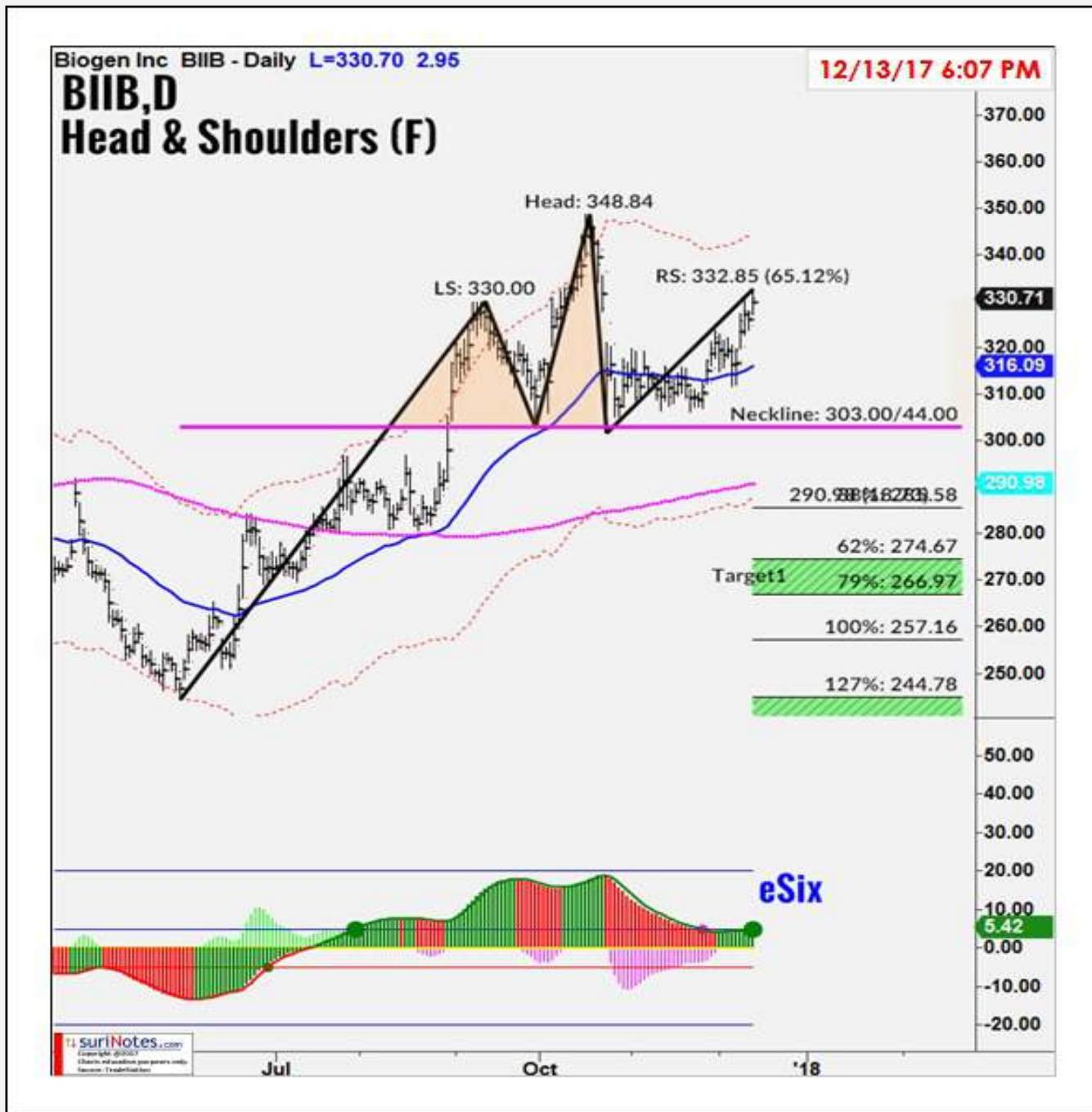
AAPL (D) ABC Bullish Pattern Long Entry above 152.28, Stop below 149.15 (-3.13), Target1 Zone: 163.2 to 167.0, Target2 Zone: 178.0 to 186.0

AVGO Symmetric Triangle Pattern



AVGO (W) trading in Symmetric Triangle pattern since June 2016.

BIIB Head and Shoulders Pattern



BIIB (D) is trading in H&S Pattern (F). H&S Patterns are only valid if price closes below Neckline with strong volume signaling breakdown. Short entry below 303.00, Stop above 317.93 (-14.93), Target1 Zone: 274.7 to 267.0, Target2 Zone: 244.8 to 228.7

COST ABC Bullish Pattern



Reviewed in CPAT 11/20/17

\$COST (D) ABC Bullish Pattern Long Entry above 157.25, Stop below 154.10 (-3.15), Target1 Zone: 164.8 to 167.7, Target2 Zone: 176.0 to 182.0, Target3 Zone: \$193-199

CVX Cup & Handle Pattern



Reviewed in CPAT 10/23/17

\$CVX (D) is trading in Cup & Handle Pattern. Entry above breakout level: 119.00, Handle Low: 112.52, 39.39% below breakout level. T1: 129.2 to 131.9

FDX ABC Bullish Pattern



Reviewed in CPAT 10/02/17

\$FDX (D) ABC Bullish Pattern Long Entry above 218.72, Stop below 214.16 (-4.56), Target1 Zone: 231.6 to 236.4, Target2 Zone: 250.0 to 259.9

HD AB=CD Bearish Pattern



HD is trading in AB=CD Bearish pattern. AB=CD pattern is completed at 100% AB level from 'C' at \$186.

WMT ABC Bullish Pattern



Reviewed in CPAT 10/16/17

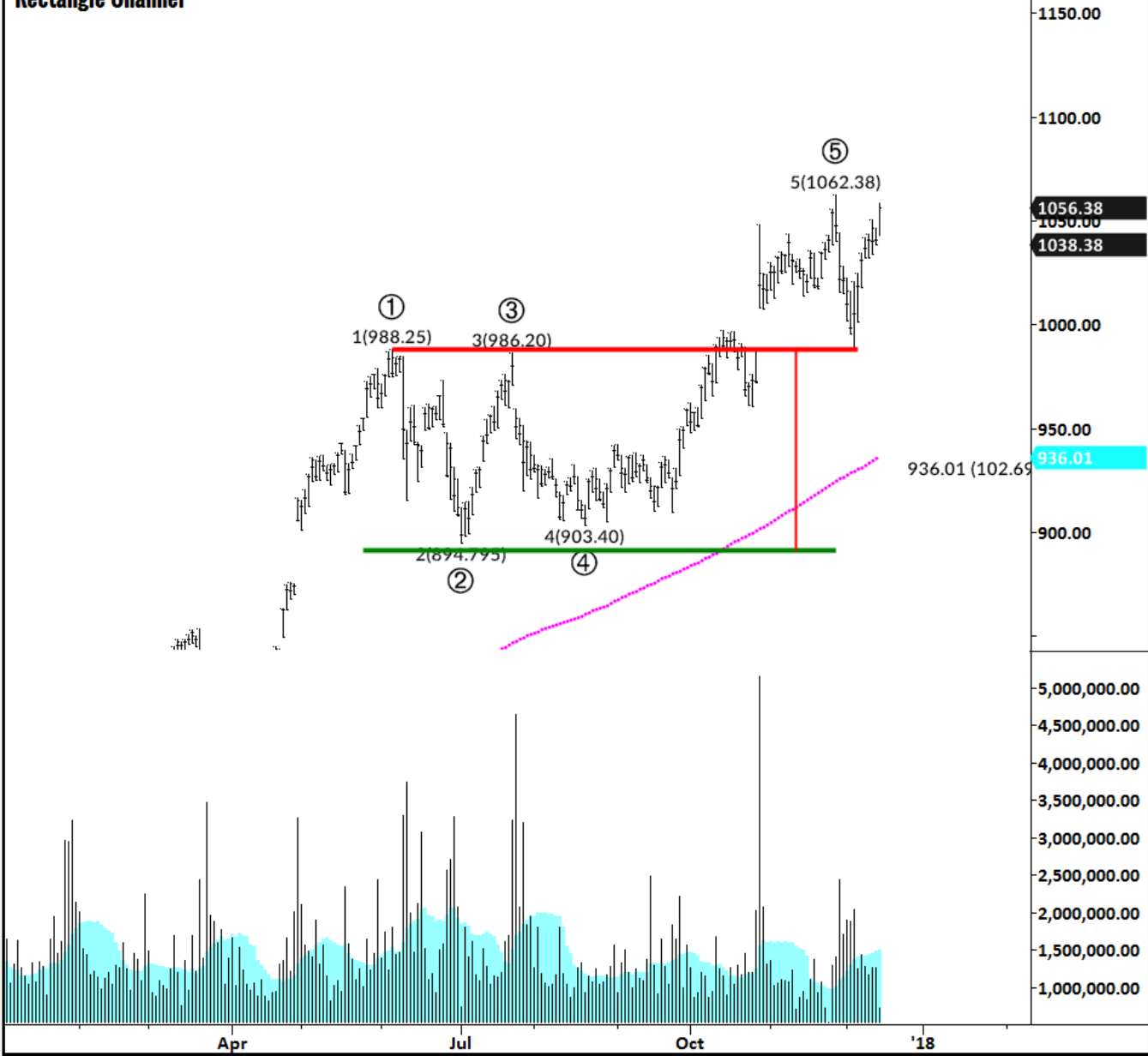
WMT (W) ABC Bullish Pattern Long Entry above 68.50, Stop below 65.27 (-3.23), Target1 Zone: 77.0 to 80.1, Target2 Zone: 89.3 to 95.9, Target3 Zone: \$108-114

GOOG Rectangle Channel

Alphabet Inc Cl C Cap Stock L-1,056.38 15.77

GOOG,D

Rectangle Channel



Reviewed in CPAT 10/16/17

GOOG (Daily) is trading in Rectangle Channel. Channel breakout level: \$990. Upper targets: \$1034-1078.

GILD Bear Flag Pattern



Reviewed in CPAT 12/11/17

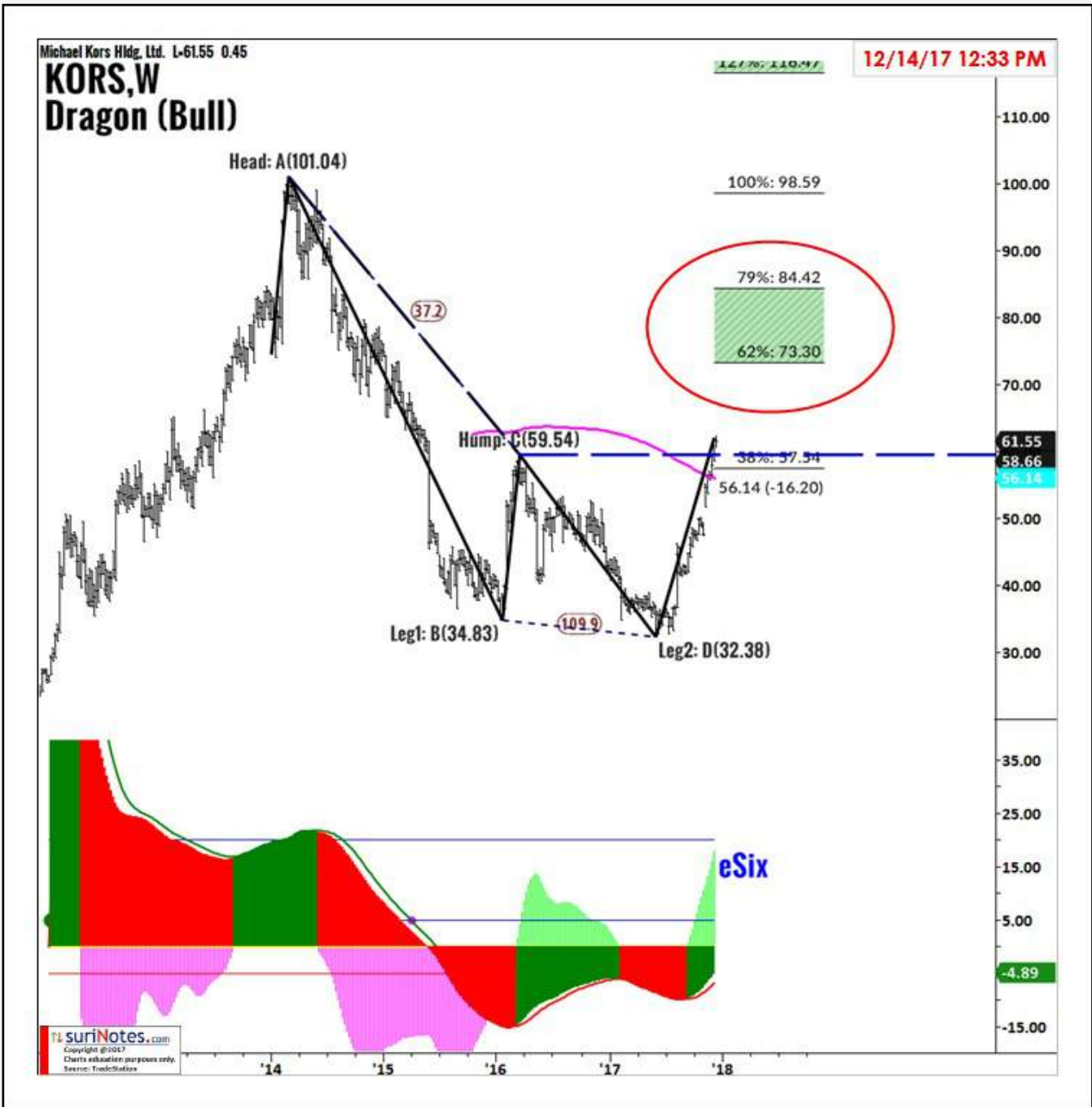
GILD (Daily) is trading in Bear Flag pattern above 200-SMA. If price closes below lower-trend line and 200-SMA, GILD may see further downside.

TWTR Double Bottom Pattern



TWTR (W) is trading in a Rectangle Channel Pattern. TWTR is also trading in Double Bottom pattern.

KORS Bullish Dragon Pattern



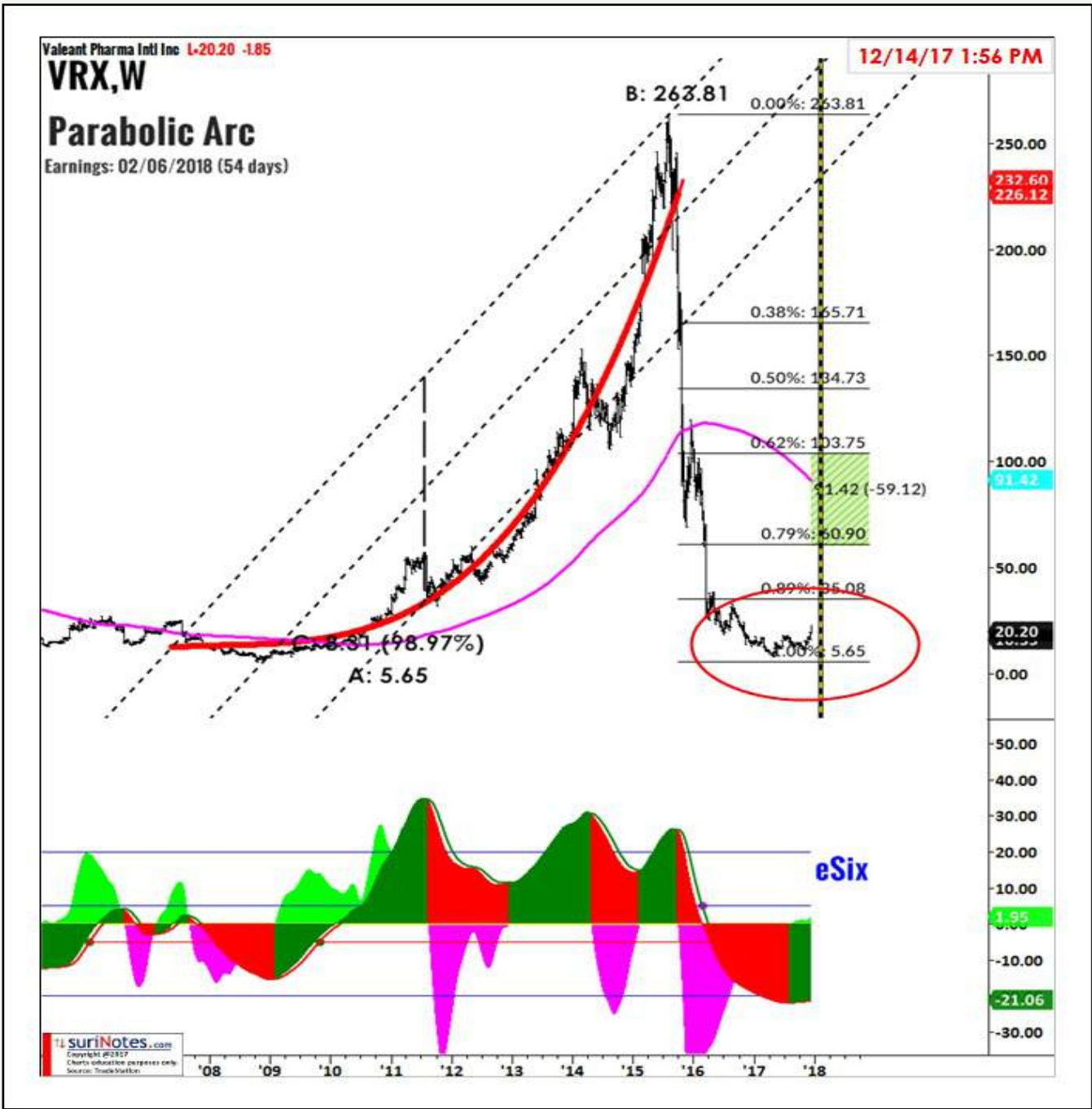
KORS (W) is trading in Bullish Dragon pattern.

HAIN Parabolic Arc Pattern



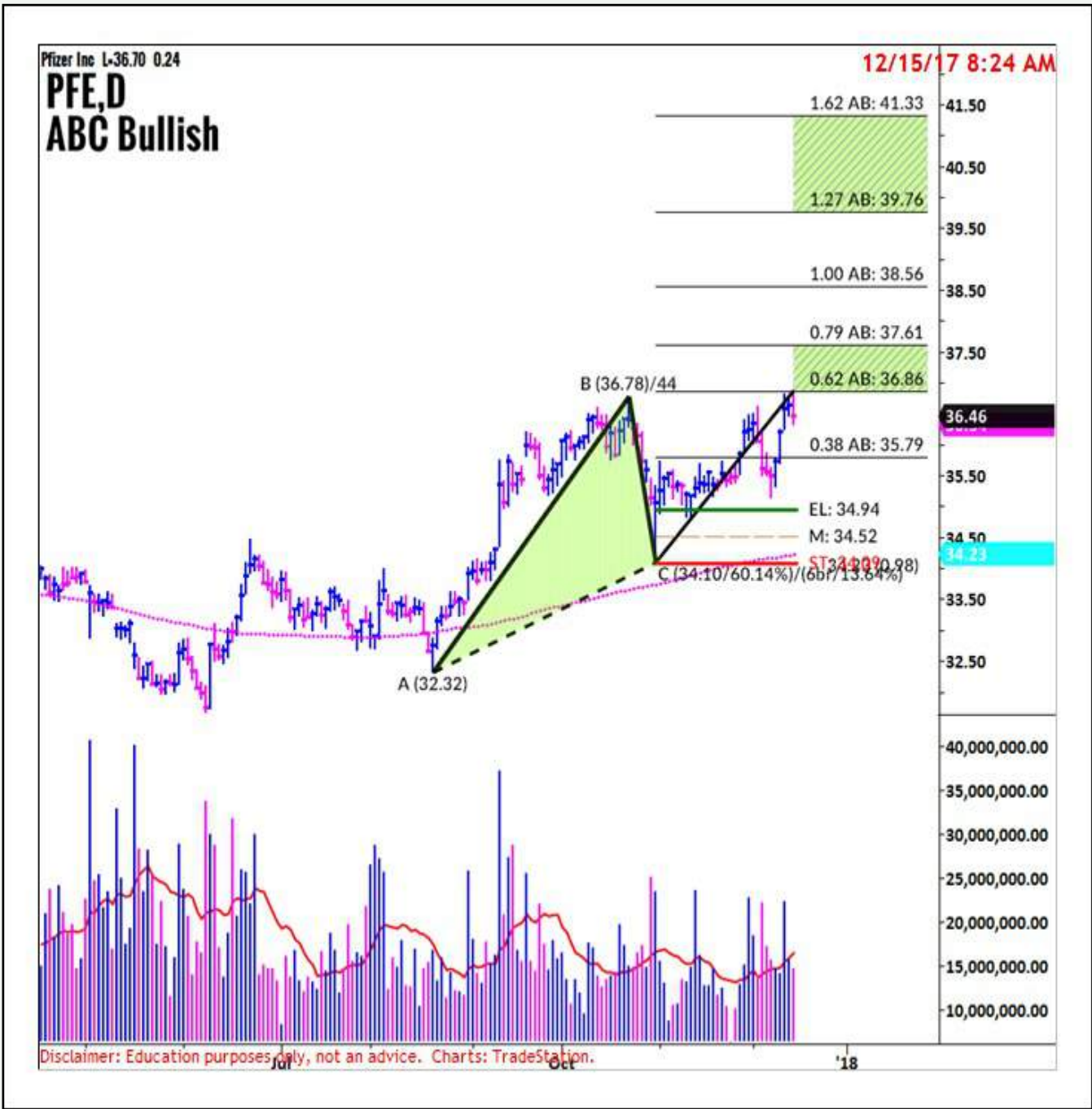
HAIN (W) is trading in Parabolic Arc from 12/30/2011 (low: 5.59) to 08/07/2015 (high: 62.44). Parabolic Arc patterns are long-term patterns, but most of the upside parabolic patterns return to at least 50-62% of its prior rise in a correction mode.

VRX Parabolic Arc Pattern



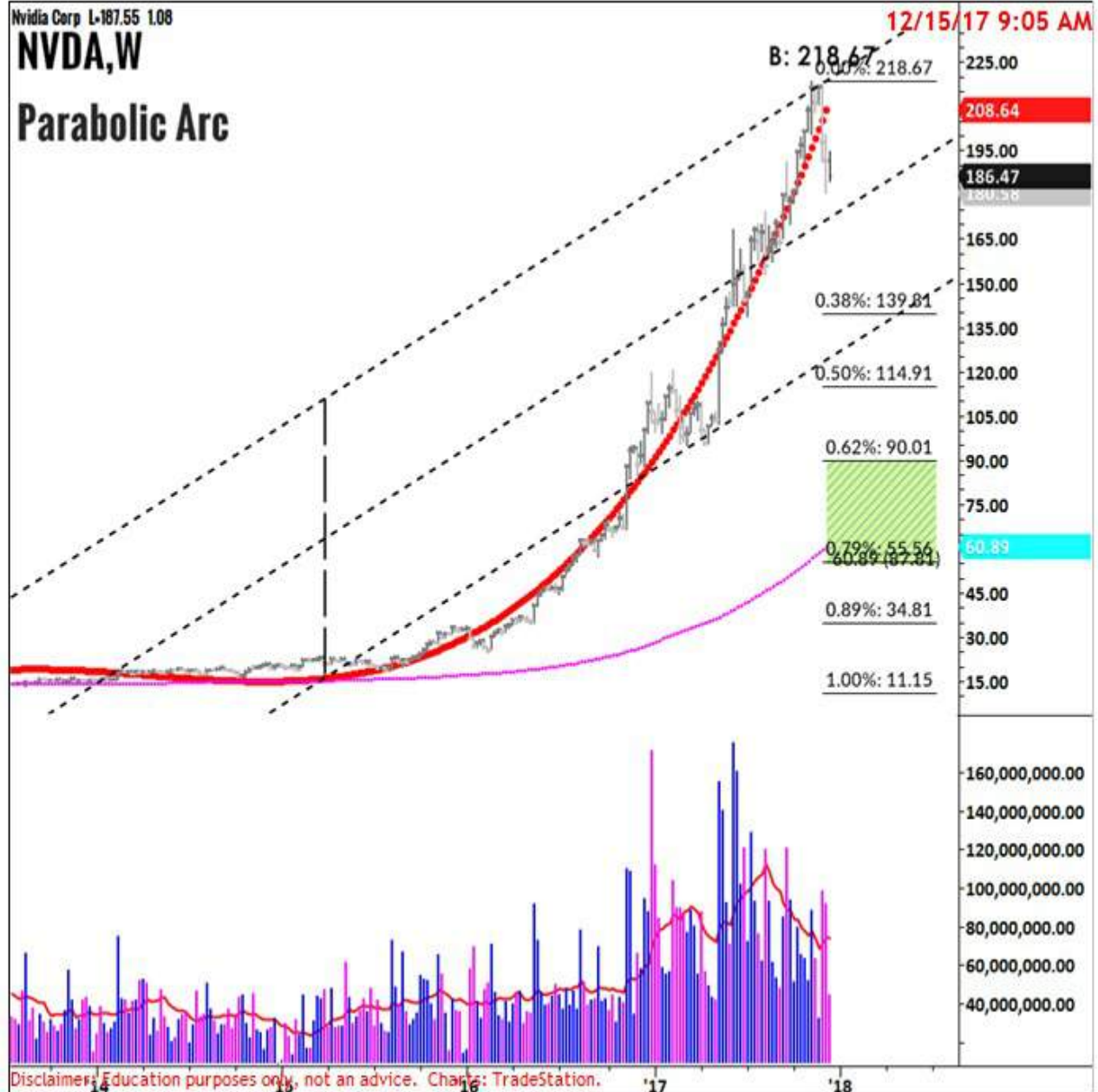
\$VRX (W) is trading in Parabolic Arc from 12/17/2010 (low: 5.65) to 08/07/2015 (high: 263.81). Parabolic Arc patterns are long-term patterns, but most of the upside parabolic patterns return to at least 50-62% of its prior rise in a correction mode.

PFE ABC Bullish Pattern



\$PFE (D) ABC Bullish Pattern Long Entry above 34.94, Stop below 34.09 (-0.85), Target1 Zone: 36.9 to 37.6, Target2 Zone: 39.8 to 41.3

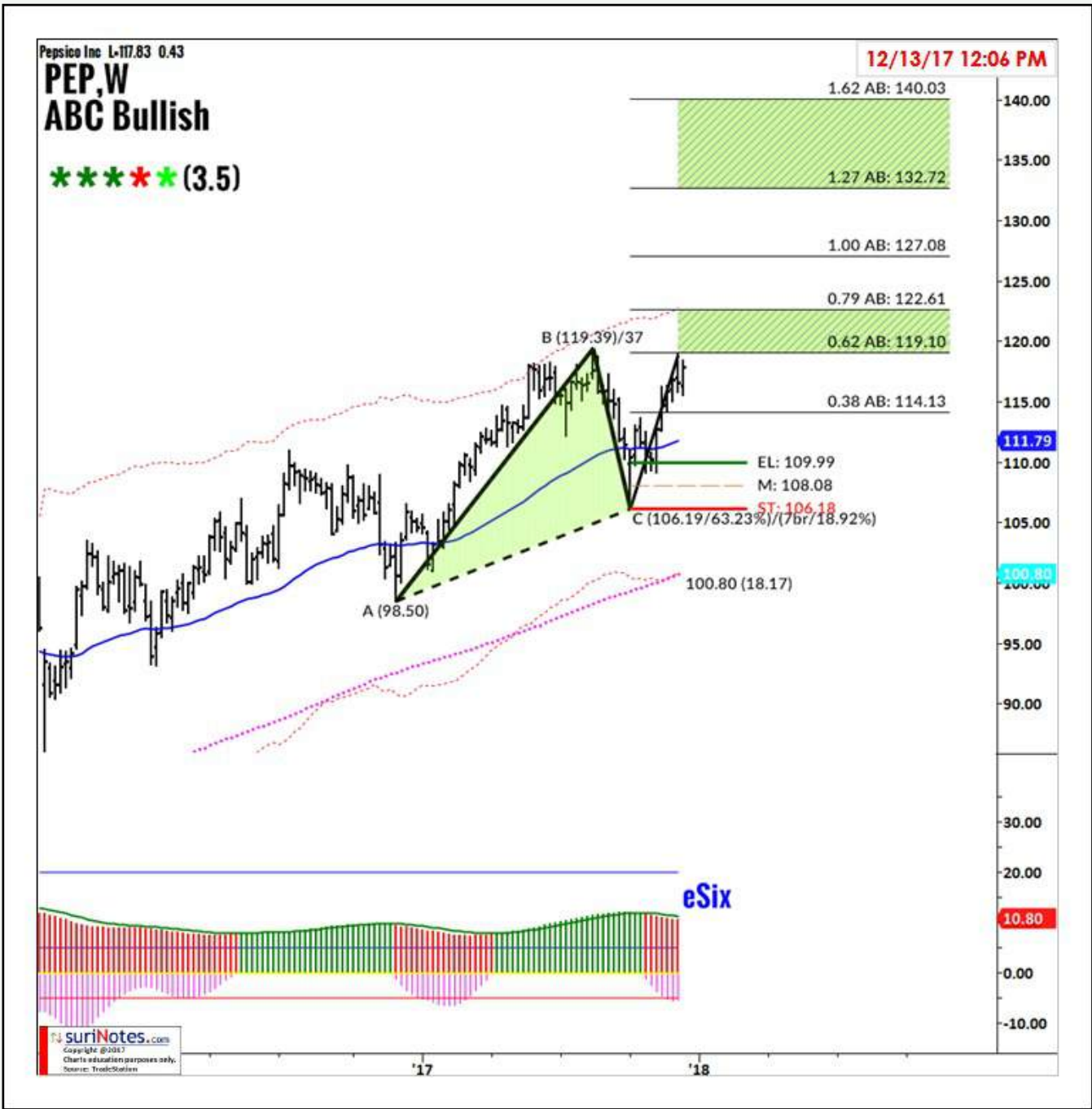
NVDA Parabolic Arc Pattern



Reviewed in CPAT 11/06/17

\$NVDA (W) is trading in Parabolic Arc from 11/23/2012 (low: 11.15) to 12/08/2017 (high: 218.67). Parabolic Arc patterns are long-term patterns, but most of the upside parabolic patterns return to at least 50-62% of its prior rise in a correction mode.

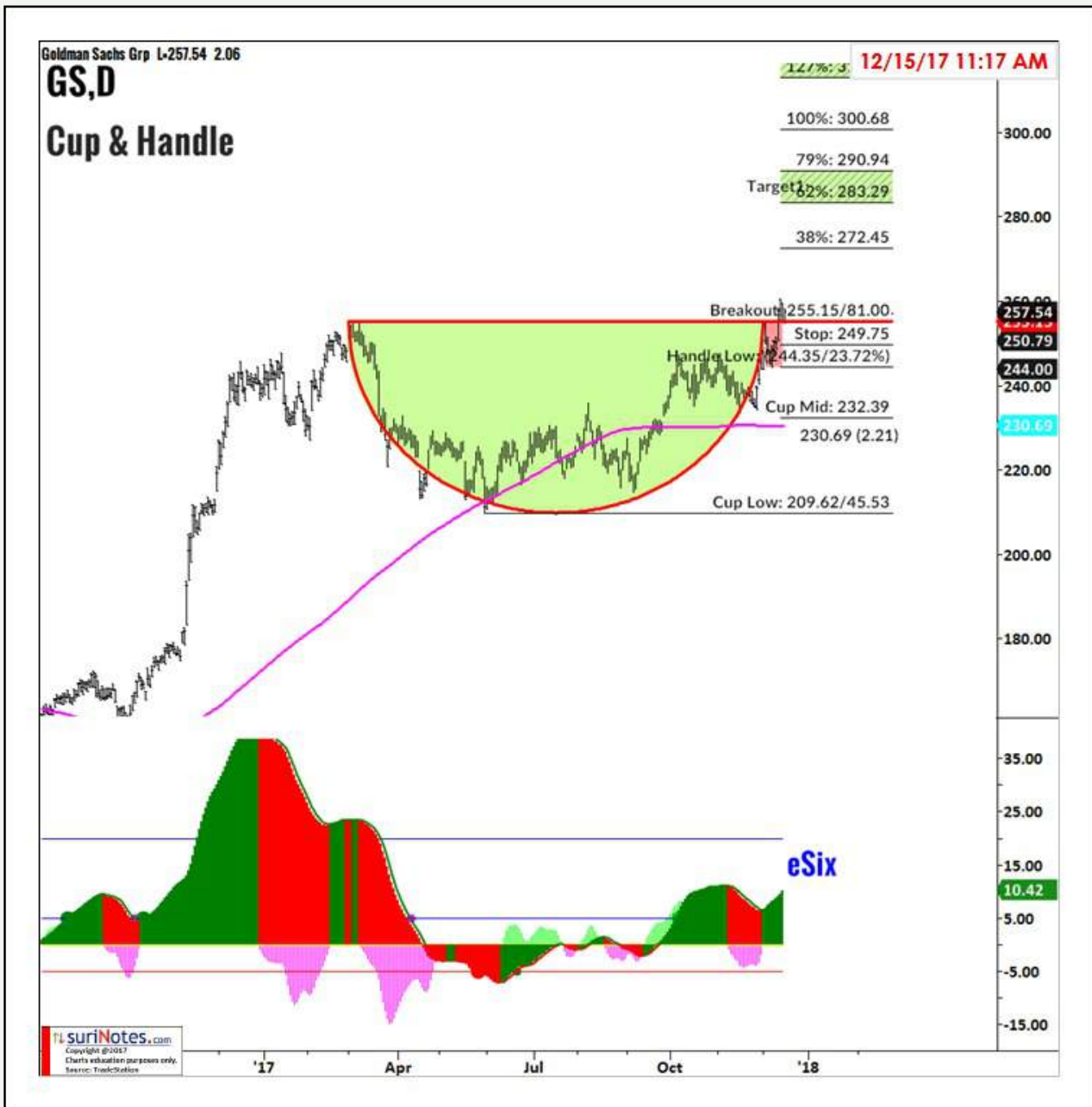
PEP ABC Bullish Pattern



Reviewed in CPAT 12/04/17

\$PEP (W) ABC Bullish Pattern Long Entry above 109.99, Stop below 106.18 (-3.81), Target1 Zone: 119.1 to 122.6, Target2 Zone: 132.7 to 140.0

GS Cup & Handle Pattern



Reviewed in CPAT 12/11/17

GS (D) is trading in Cup & Handle Pattern. Entry above breakout level: 255.15, Handle Low: 244.35, 23.72% below breakout level. T1: 283.3 to 290.9 T2: 313.0 to 328.9

INTC Bull Flag Pattern



INTC (Daily) is trading in Bull Flag pattern. Flag pattern targets: \$49-50.65, 52, 55+

Chart Patterns

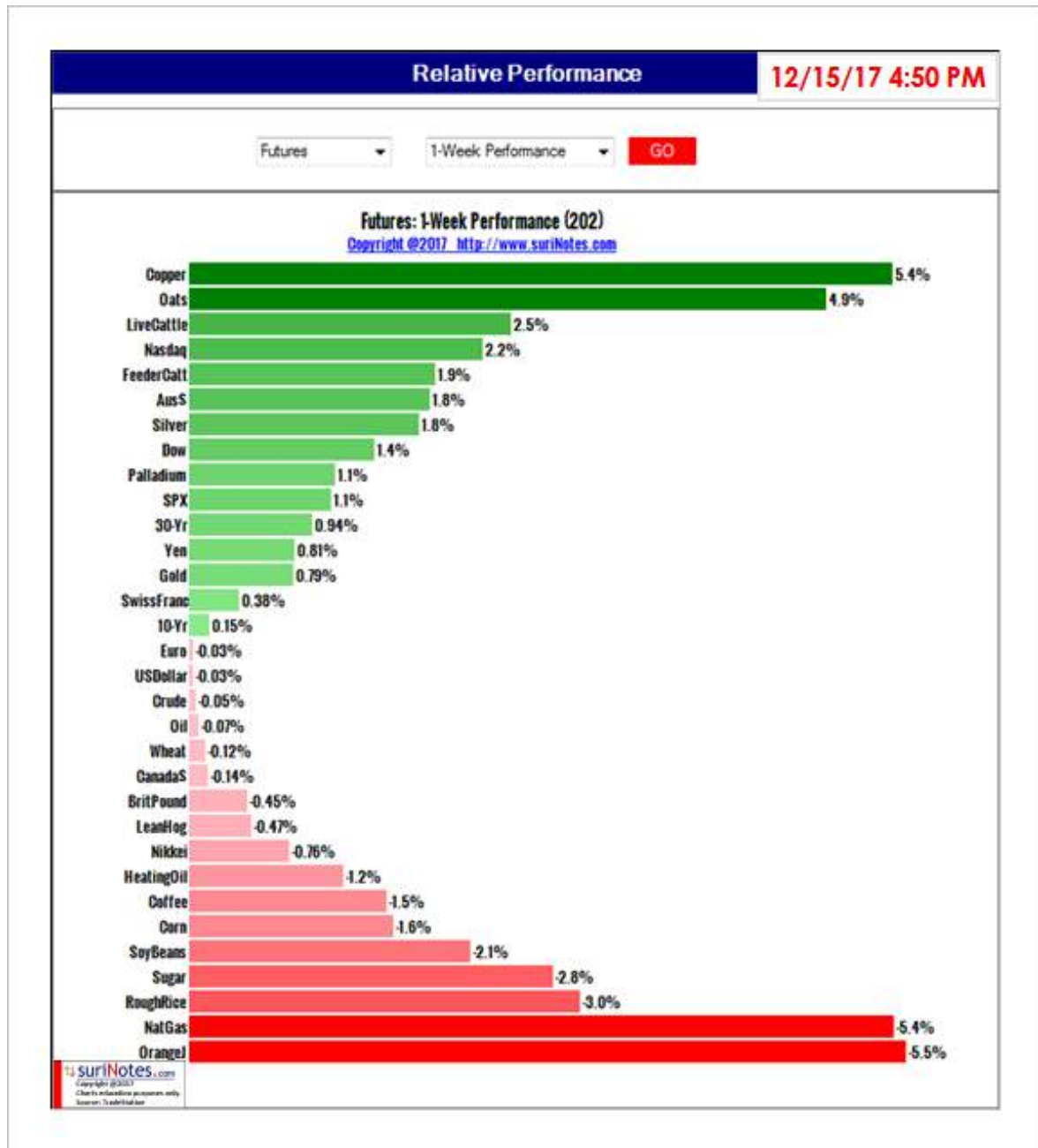
Futures & Commodities



Futures Chg%

S..	PlotSymbol		Last	suri.Chg%			
	Sym	Name		1D%	W%	M%	YTD%
1	Futures						
2	@NQ	E-Mini NASDAQ-100 Continuo	5,500.00	1.40	2.23	2.97	32.61
3	@HG	Copper Continuous Contract (H	3.1380	0.62	3.16	1.341	18.45
4	@FC	Feeder Cattle Continuous Cont	147.950	1.15	1.88	3.866	15.47
5	@EC	Euro FX Continuous Contract [1.18380	(0.22)	0.24	94785	9.85
6	@HO	Heating Oil Continuous Contra	1.9060	0.29	(0.98)	.2870	8.15
7	@LC	Live Cattle Continuous Contrac	121.200	1.69	2.45	3.426	8.02
8	@BP	British Pound Continuous Cont	1.3382	0.22	0.39	.4822	7.93
9	@GC	Gold Continuous Contract [Feb	1,258.2	0.68	0.70	-2.4	7.30
10	@AD	Australian Dollar Continuous C	0.7638	0.51	2.25	.6693	7.05
11	@RR	Rough Rice Continuous Contra	11.710	(0.09)	(2.98)	1.827	6.02
12	@CD	Canadian Dollar Continuous Co	0.77835	0.42	0.94	1.6516	5.08
13	@JY	Japanese Yen Continuous Conti	0.89340	0.27	1.16	0.8830	2.28
14	@TY	10 Yr U.S. Treasury Notes Cont	24'14.0	(0.04)	0.24	0'04.5	1.33
15	@SF	Swiss Franc Continuous Contra	1.0182	(0.25)	0.57	.7001	0.87
16	@QM	E-mini Crude Oil Continuous Cc	57.350	0.79	(0.52)	0.175	(1.17)
17	@CL	Crude Oil Continuous Contract	57.37	0.77	(0.56)	0.16	(1.19)
18	@LH	Lean Hogs Continuous Contract	68.525	1.31	(0.47)	3.629	(2.28)
19	@O	Oats Continuous Contract [Ma	53 6/8	0.79	4.86	3 4/8	(2.40)
20	@SI	Silver Continuous Contract [Ma	16.085	0.41	0.70	7.069	(2.69)
21	@PL	Platinum Continuous Contract	893.60	0.66	(0.28)	-5.81	(3.72)
22	@S	Soybeans Continuous Contract	68 4/8	0.08	(2.15)	1/8	(7.14)
23	@DX	U.S. Dollar Index Continuous C	93.480	0.03	(0.47)	-1.013	(8.16)
24	@C	Corn Continuous Contract [Ma	47 2/8	(0.36)	(1.56)	-7/8	(13.67)
25	@OJ	Frozen Concentrated OJ Contir	144.95	(1.66)	(5.46)	-10.47	(16.45)
26	@W	Wheat Continuous Contract [M	18 4/8	0.06	(0.12)	5 3/8	(17.01)
27	@KC	Coffee C Continuous Contract [120.70	0.37	(1.51)	-7.44	(19.98)
28	@SB	Sugar No. 11 Continuous Contr	13.67	(0.81)	(2.78)	-9.54	(33.20)
29	@NG	Natural Gas Continuous Contra	2.624	(1.15)	(3.17)	7.820	(39.90)
30							

Futures Weekly Performance

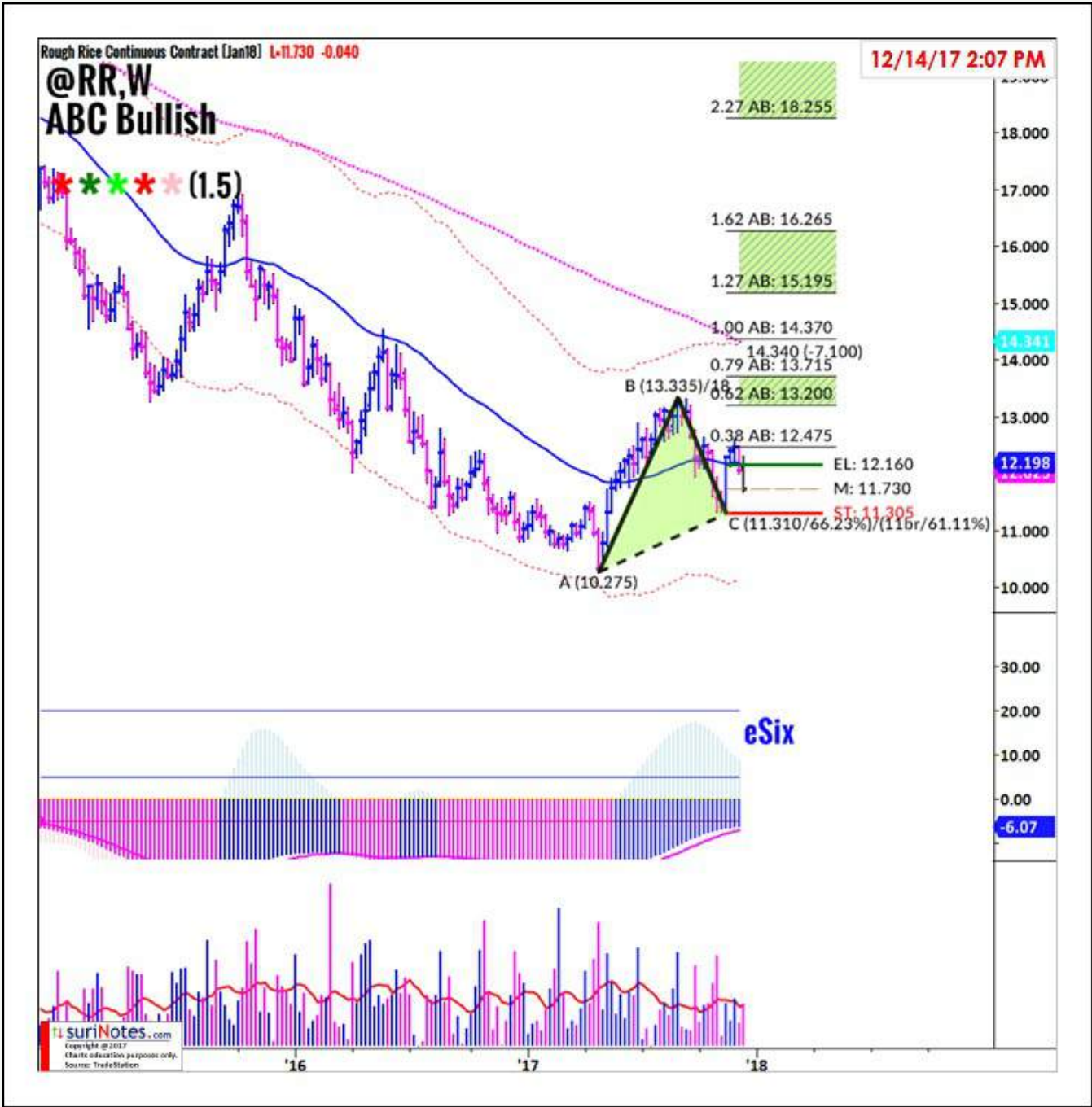


@HO ABC Bullish Pattern



@HO (W) ABC Bullish Pattern Long Entry above 1.4578, Stop below 1.3541 (-0.1037), Target1 Zone: 1.821 to 1.948, Target2 Zone: 2.314 to 2.579

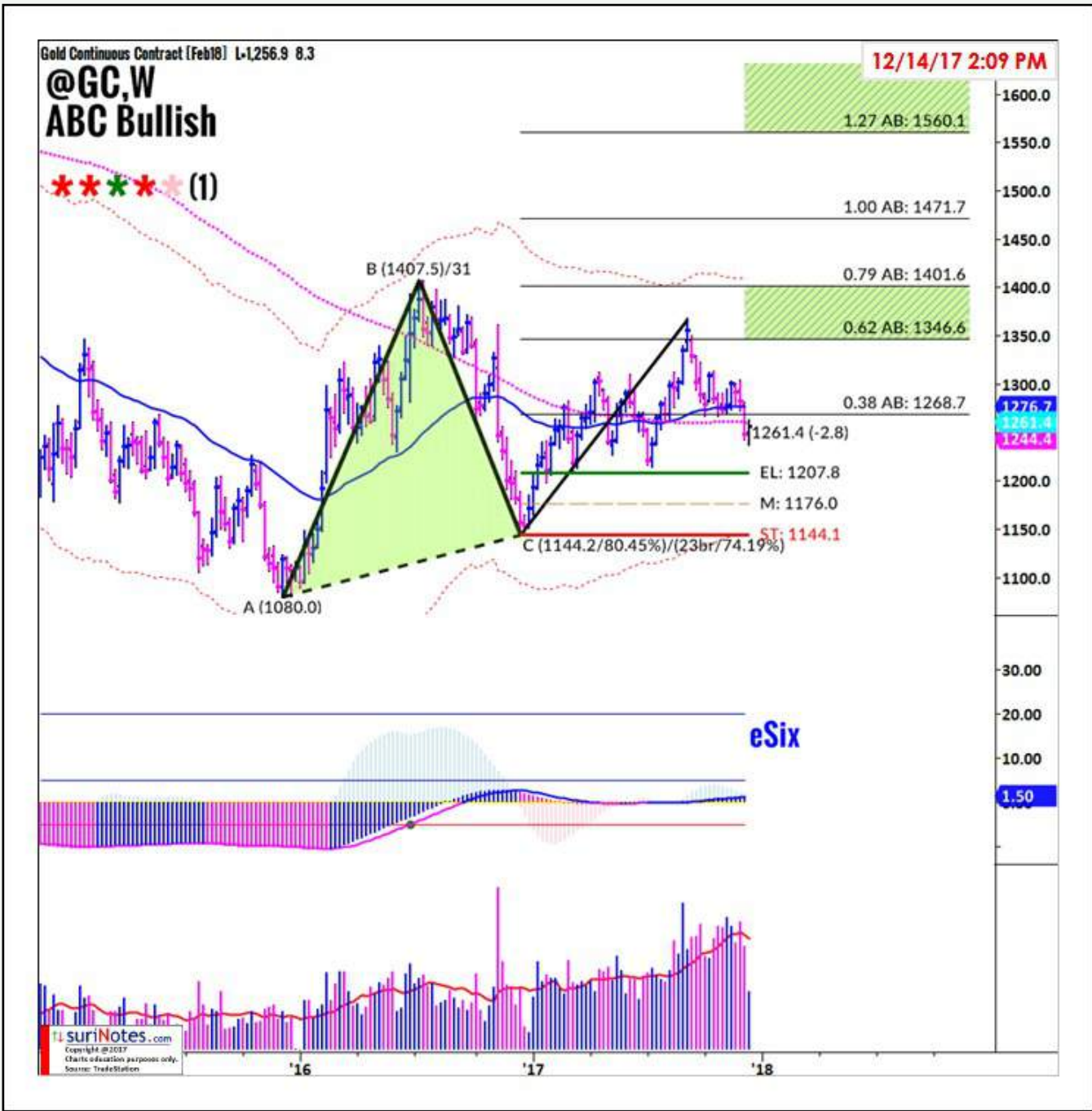
@RR ABC Bullish Pattern



Reviewed in CPAT 11/20/17

\$@RR (W) ABC Bullish Pattern Long Entry above 12.159, Stop below 11.305 (-0.854), Target1 Zone: 13.20 to 13.72, Target2 Zone: 15.20 to 16.27

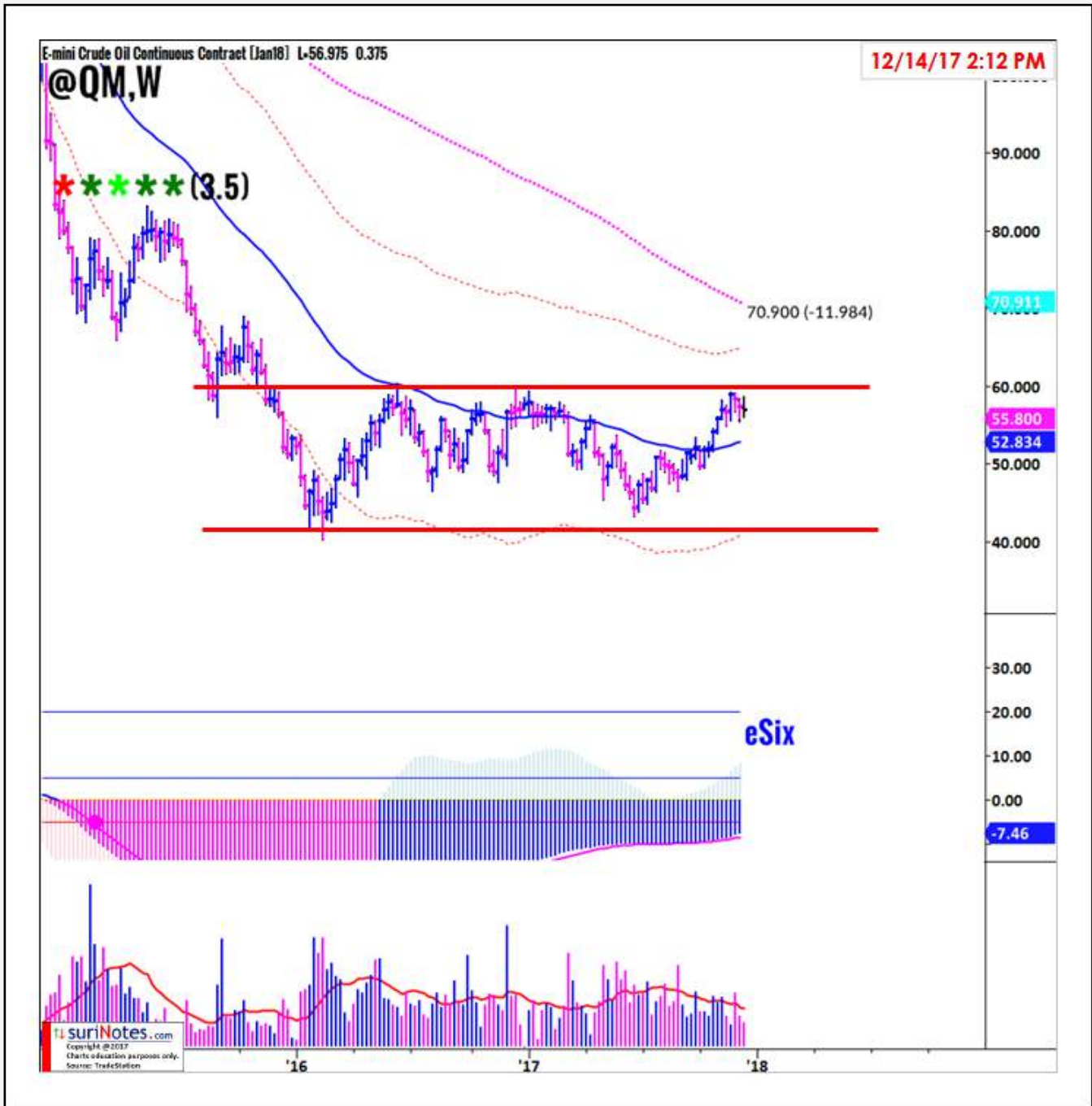
@GC (W) ABC Bullish Pattern



Reviewed in CPAT 09/18/17

@GC (W) ABC Bullish Pattern Long Entry above 1207.8, Stop below 1144.1 (-63.7), Target1 Zone: 1347 to 1402, Target2 Zone: 1560 to 1675

@QM (W) Rectangle Channel



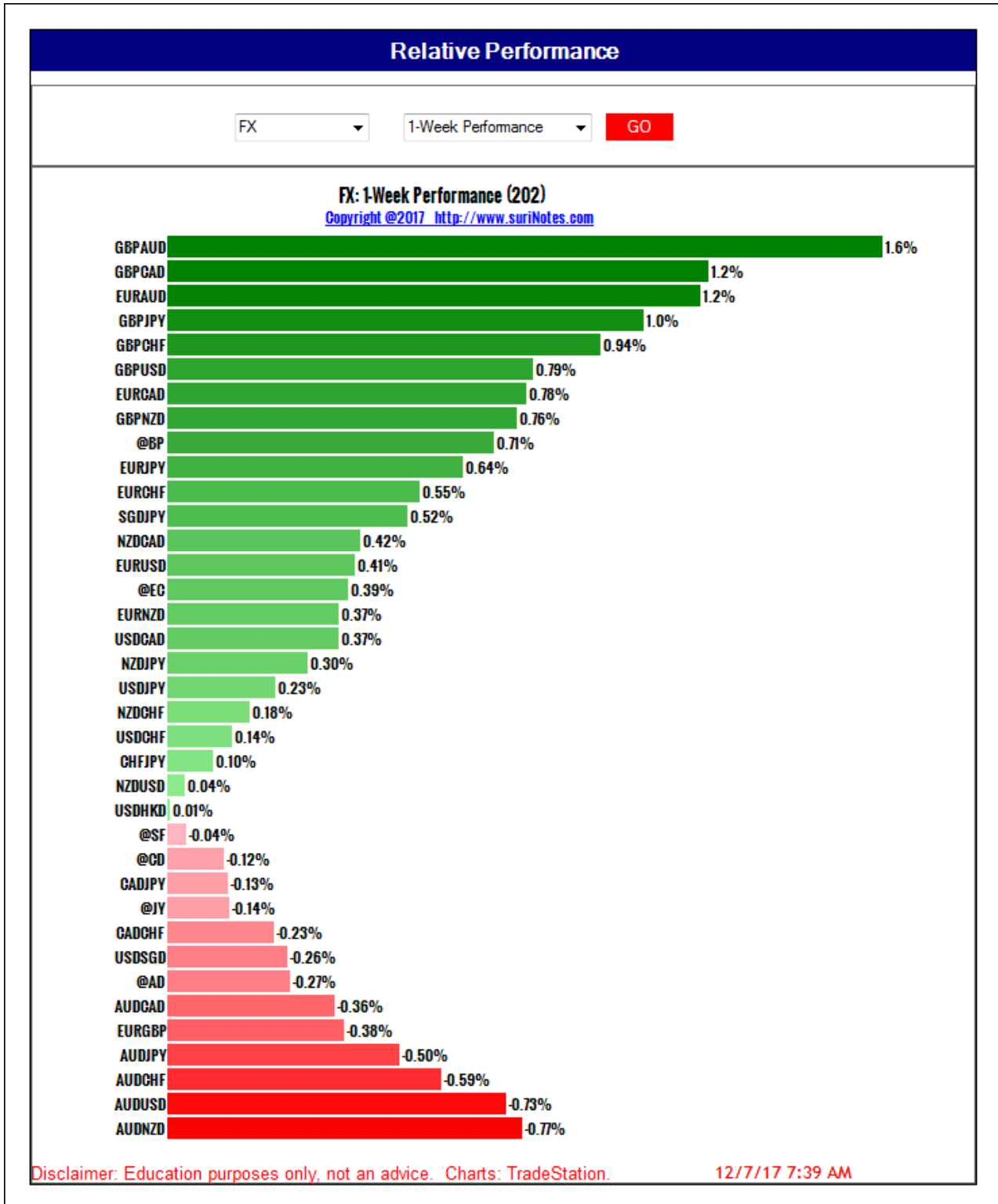
@QM (W) is trading in Rectangle Channel pattern. Watch upper and lower boundaries for potential breakouts.

Chart Patterns

FX



FX Weekly Performance



FX Chg%

S.	Sym	PlotSymbol Name	Last	12/15/17 4:53 PM			
1	FXPairs						
2	EURUSD	Euro / US Dollar	1.17499	(0.42)	0.07	(0.2)	11.95
3	EURNZD	Euro / New Zealand Dollar	1.67968	0.18	(2.01)	(1.7)	11.14
4	GBPUSD	British Pound / US Dollar	1.33204	0.11	0.40	2.0	8.82
5	EURCHF	Euro / Swiss Franc	1.16319	(0.07)	(0.29)	(0.2)	8.69
6	GBPNZD	British Pound / New Zealand \$	1.90406	0.71	(1.68)	0.5	8.08
7	EURJPY	Euro / Japanese Yen	132.316	(0.54)	(0.90)	(1.1)	7.49
8	EURCAD	Euro / Canadian Dollar	1.51249	(0.56)	(0.36)	0.3	6.61
9	AUDUSD	Aust Dollar / US Dollar	0.76437	0.36	2.09	0.4	6.43
10	AUDNZD	Aust Dollar / New Zealand \$	1.09260	0.97	0.01	(1.1)	5.76
11	GBPCHF	British Pound / Swiss Franc	1.31860	0.46	0.07	2.0	5.70
12	EURAUD	Euro / Australian Dollar	1.53692	(0.80)	(1.95)	(0.6)	5.24
13	GBPJPY	British Pound / Japanese Yen	149.985	(0.01)	(0.53)	1.1	4.53
14	GBPCAD	British Pound / Canadian \$	1.71442	(0.04)	(0.03)	2.5	3.61
15	SGDJPY	Singapore Dollar / Japanese Yen	83.466	(0.08)	(0.38)	0.0	3.39
16	AUDCHF	Aust Dollar / Swiss Franc	0.75664	0.70	1.75	0.4	3.38
17	EURGBP	Euro / British Pound	0.88186	(0.52)	(0.32)	(2.2)	2.85
18	GBPAUD	British Pound / Aust Dollar	1.74227	(0.27)	(1.64)	1.6	2.30
19	AUDJPY	Aust Dollar / Japanese Yen	86.072	0.24	1.12	(0.5)	2.27
20	CADCHF	Canadian Dollar / Swiss Franc	0.76884	0.48	0.15	(0.6)	2.08
21	AUDCAD	Aust Dollar / Canadian Dollar	0.98384	0.23	1.70	0.9	1.36
22	CADJPY	Canadian Dollar / Japanese Yen	87.456	0.02	(0.49)	(1.4)	0.97
23	NZDUSD	New Zealand \$ / US Dollar	0.69922	(0.59)	2.12	1.5	0.95
24	USDHKD	US Dollar / Hong Kong Dollar	7.81054	0.05	0.04	0.1	0.70
25	CHFJPY	Swiss Franc / Japanese Yen	113.714	(0.47)	(0.51)	(0.9)	(1.04)
26	NZDCHF	New Zealand \$ / Swiss Franc	0.69215	(0.24)	1.79	1.5	(1.94)
27	NZDCHF	New Zealand \$ / Swiss Franc	0.69215	(0.24)	1.79	1.5	(1.94)
28	USDCHF	US Dollar / Swiss Franc	0.98989	0.34	(0.32)	(0.1)	(2.86)
29	NZDJPY	New Zealand \$ / Japanese Yen	78.739	(0.73)	1.21	0.6	(3.11)
30	USDJPY	US Dollar / Japanese Yen	112.593	(0.12)	(0.94)	(0.9)	(3.92)
31	NZDCAD	New Zealand \$ / Canadian \$	0.89994	(0.76)	1.72	2.1	(3.97)
32	USDCAD	US Dollar / Canadian Dollar	1.28709	(0.14)	(0.37)	0.5	(4.78)
33	USDSGD	US Dollar / Singapore Dollar	1.34810	(0.03)	(0.44)	(1.0)	(6.98)

AUDCAD Falling Wedge Pattern



Reviewed in CPAT 12/11/17

AUDCAD (Daily) is trading in Falling Wedge pattern. Upper trendline breakout level: 0.97500.

AUDCHF ABC Bullish Pattern



\$AUDCHF (D) ABC Bullish Pattern Long Entry above 0.74910, Stop below 0.74154 (-0.00756), Target1 Zone: 0.7817 to 0.7926, Target2 Zone: 0.8241 to 0.8468

USDJPY (W) ABC Bullish Pattern



Reviewed in CPAT 11/20/17

\$USDJPY (W) ABC Bullish Pattern Long Entry above 110.290, Stop below 107.311 (-2.979), Target1 Zone: 119.53 to 122.85, Target2 Zone: 132.42 to 139.34

AUDJPY Cup & Handle Pattern



AUDJPY (D) is trading in Cup & Handle Pattern. Entry above breakout level: 88.171, Handle Low: 84.271, 58.30% below breakout level. T1: 92.30 to 93.43 T2: 96.67 to 99.01

GBPCAD Double Bottom Pattern



Reviewed in CPAT 10/02/17

\$GBPCAD (W) is trading in Double Bottom (Bullish) Pattern. Long Entry is above 1.63029, Stop below 1.58356 (-0.04673), Target1 Zone: 1.7145 to 1.7500, Target2 Zone: 1.8525 to 1.9267

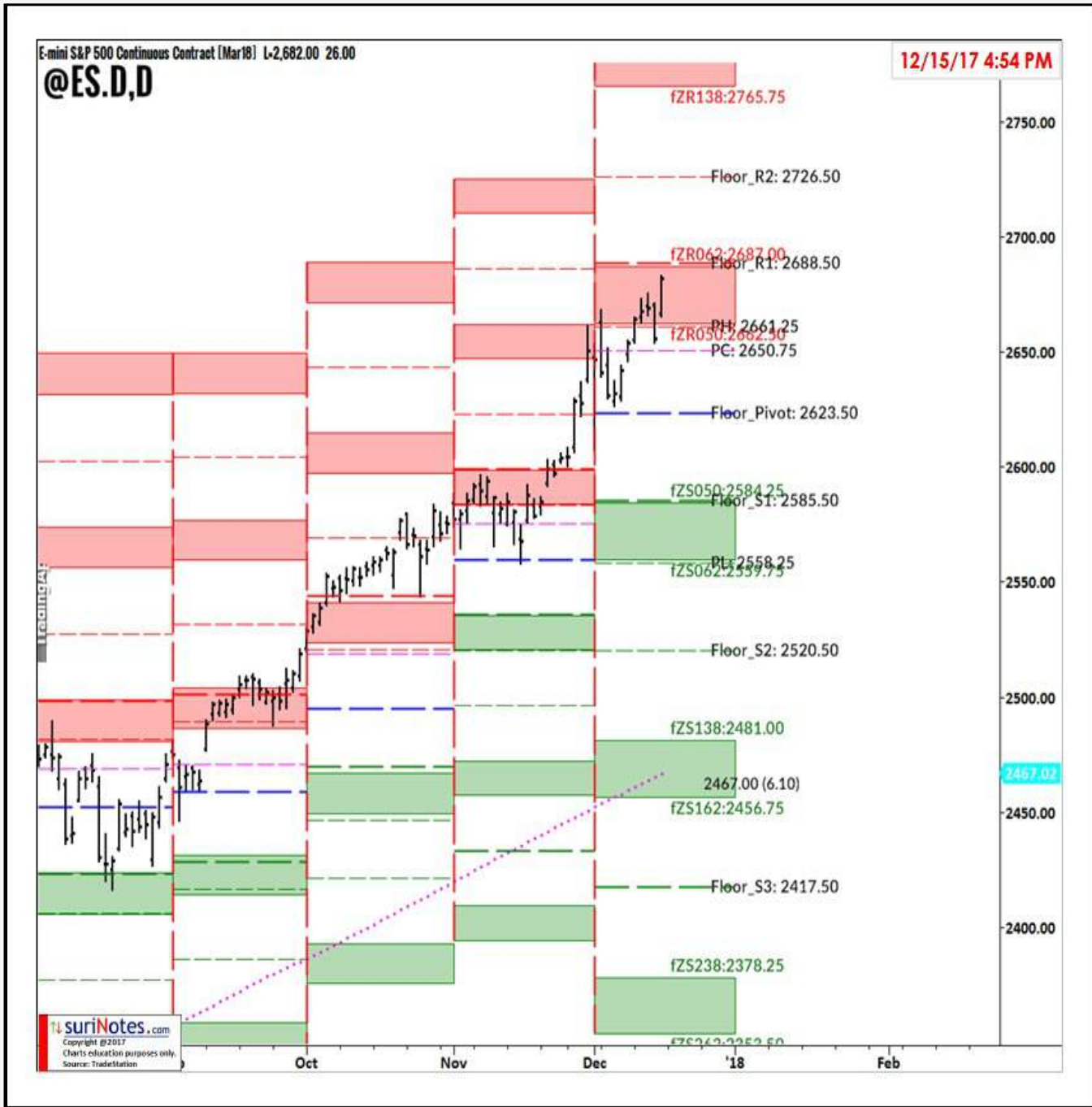
Gold Continuous Contract (Dec17) L:1323.5 -5.8

@GC,D

Key Support/Resistance, Pivots

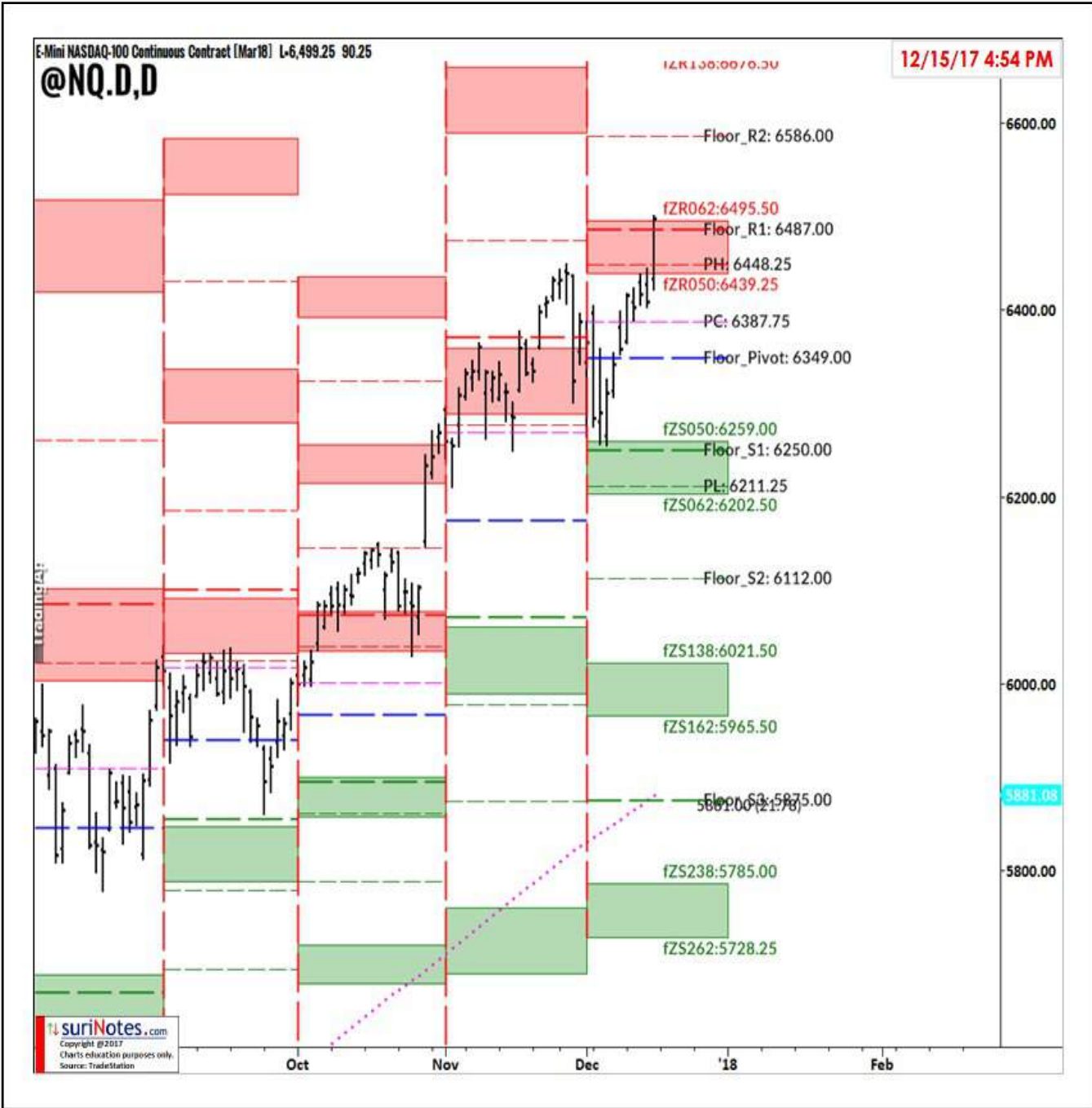


ES Fib. Zone Pivots



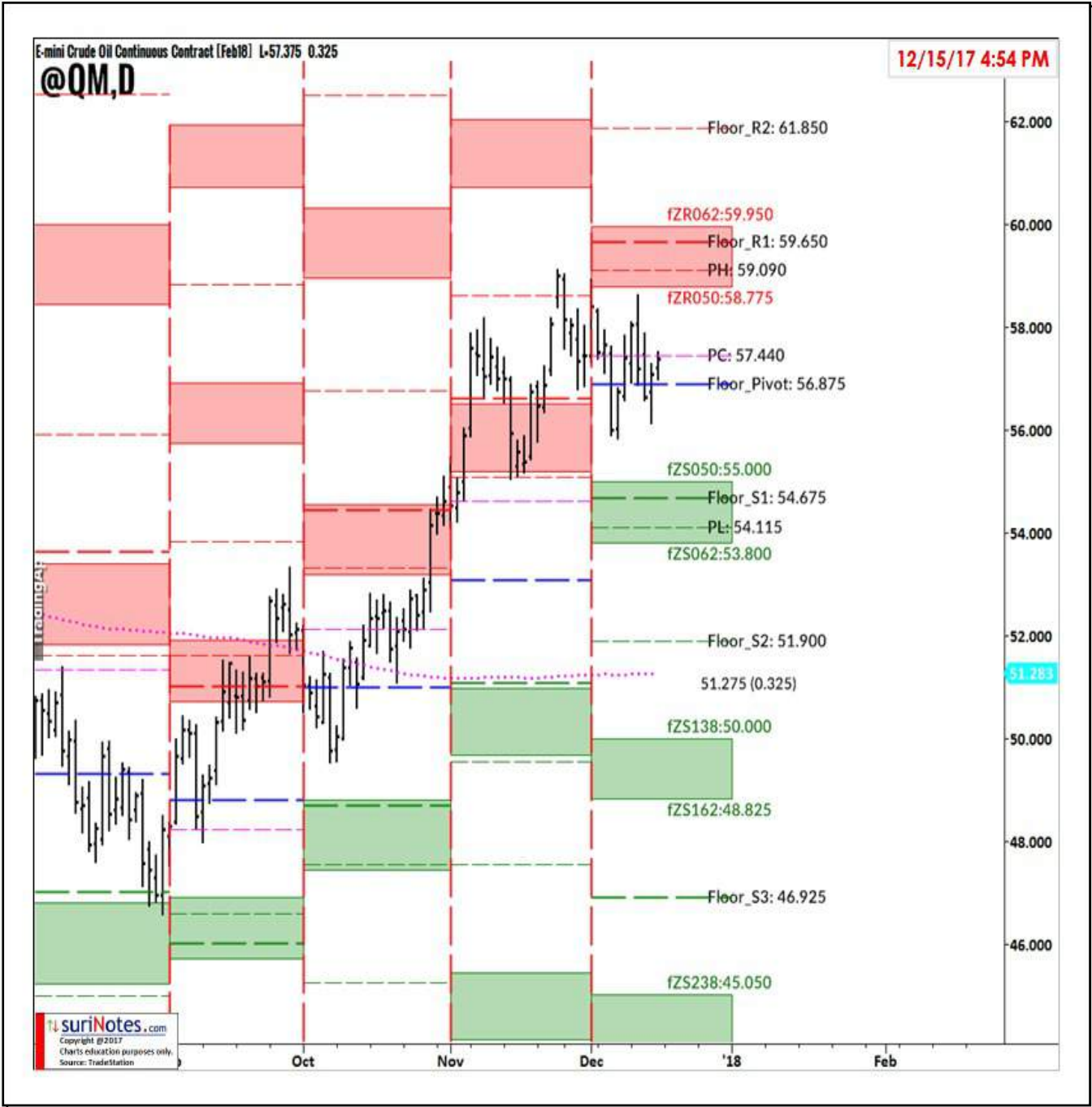
@ES Fib. Zone Pivots

NQ Fib. Zone Pivots



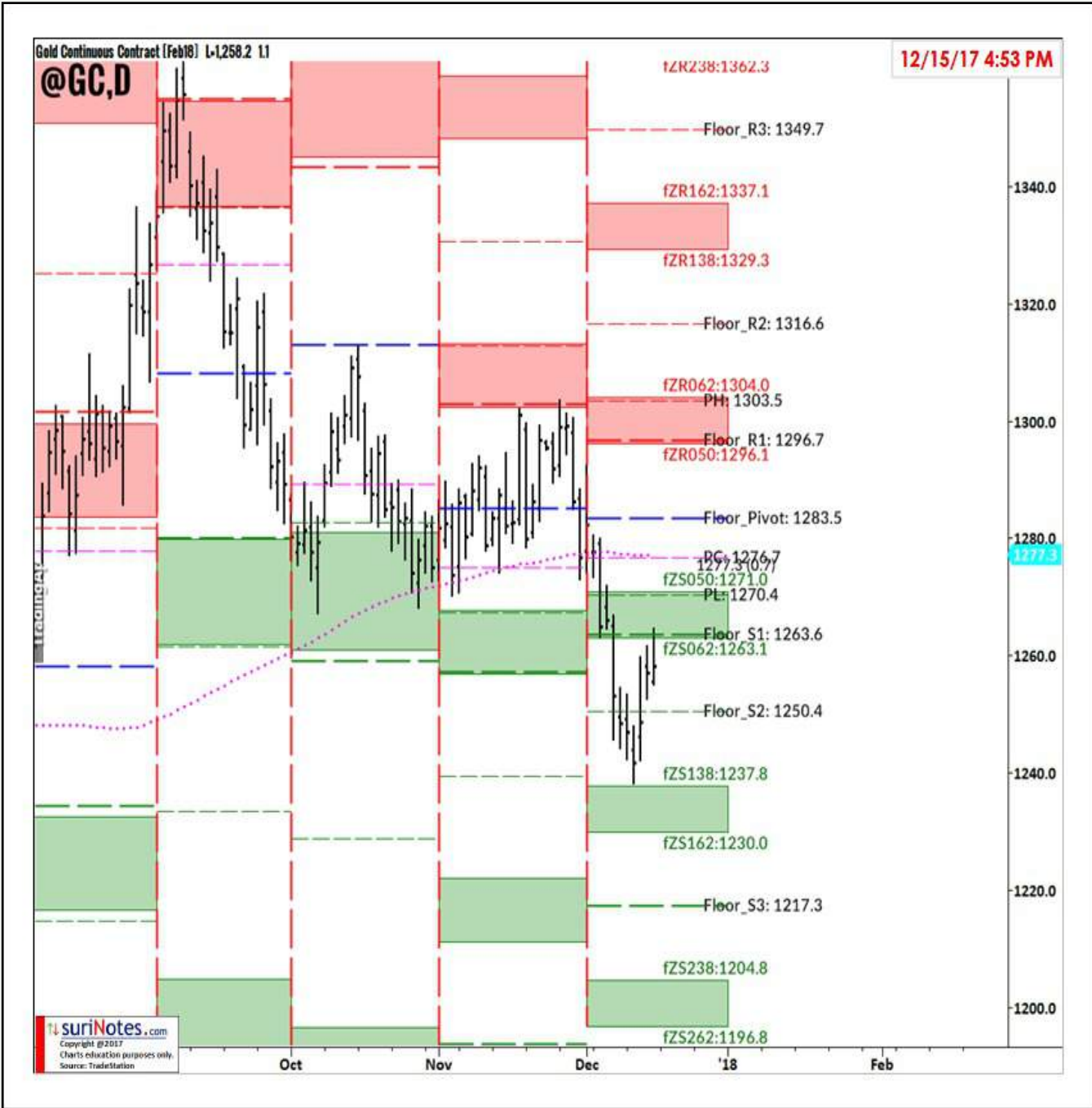
NQ Fib. Zone Pivots

QM Fib. Zone Pivots



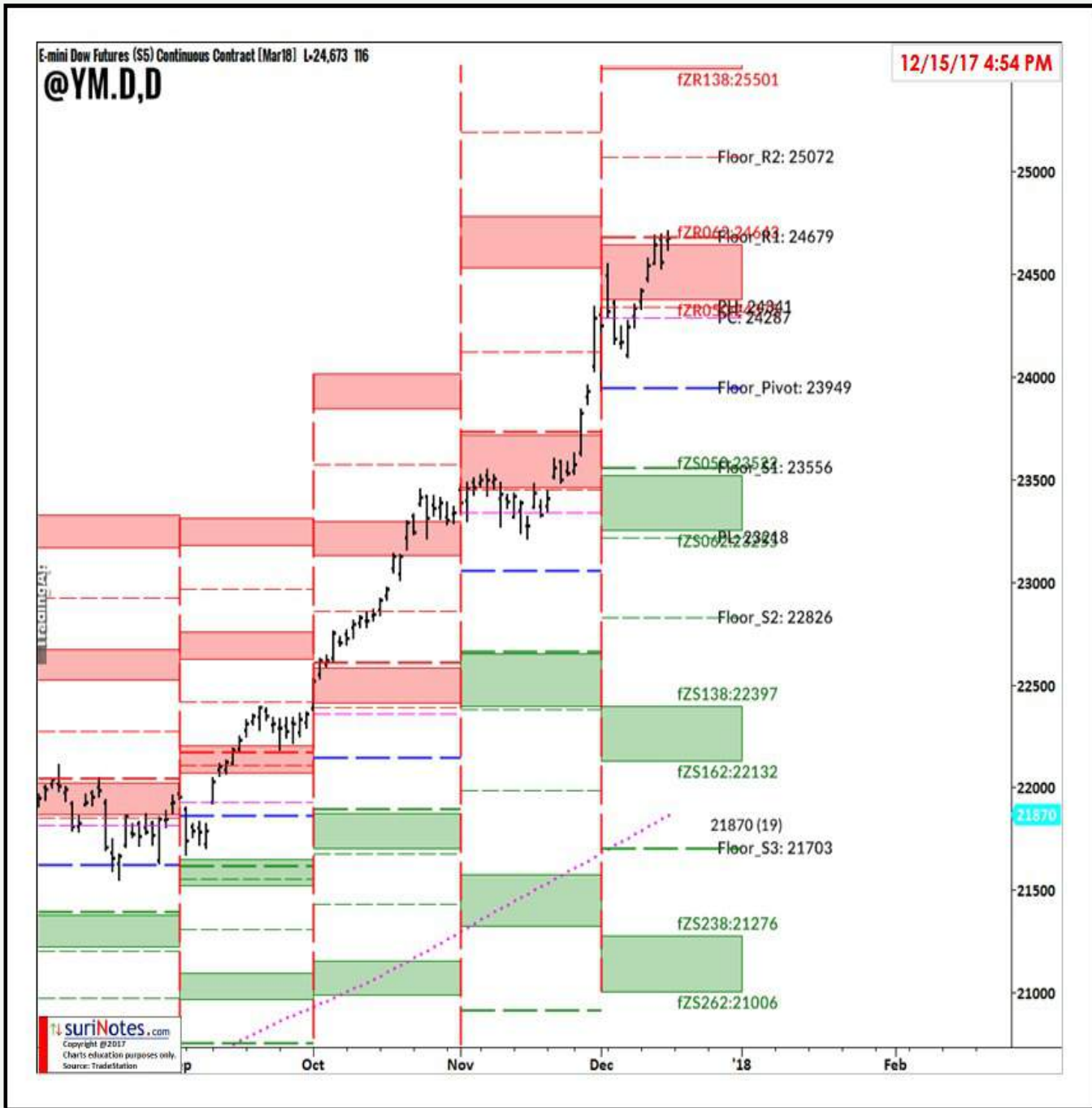
QM Fib. Zone Pivots

GC Fib. Zone Pivots



@GC Fib. Zone Pivots

YM Fib. Zone Pivots



YM Fib. Zone Pivots

GAP Charts

Shows filled and unfilled gap levels



@ES Gap Chart



@ES Gap chart with filled and unfilled Gaps with at least 1 ATR Gap.

@NQ Gap Chart



@NQ Gap chart with filled and unfilled Gaps with at least 1 ATR Gap.

YM Gap Chart



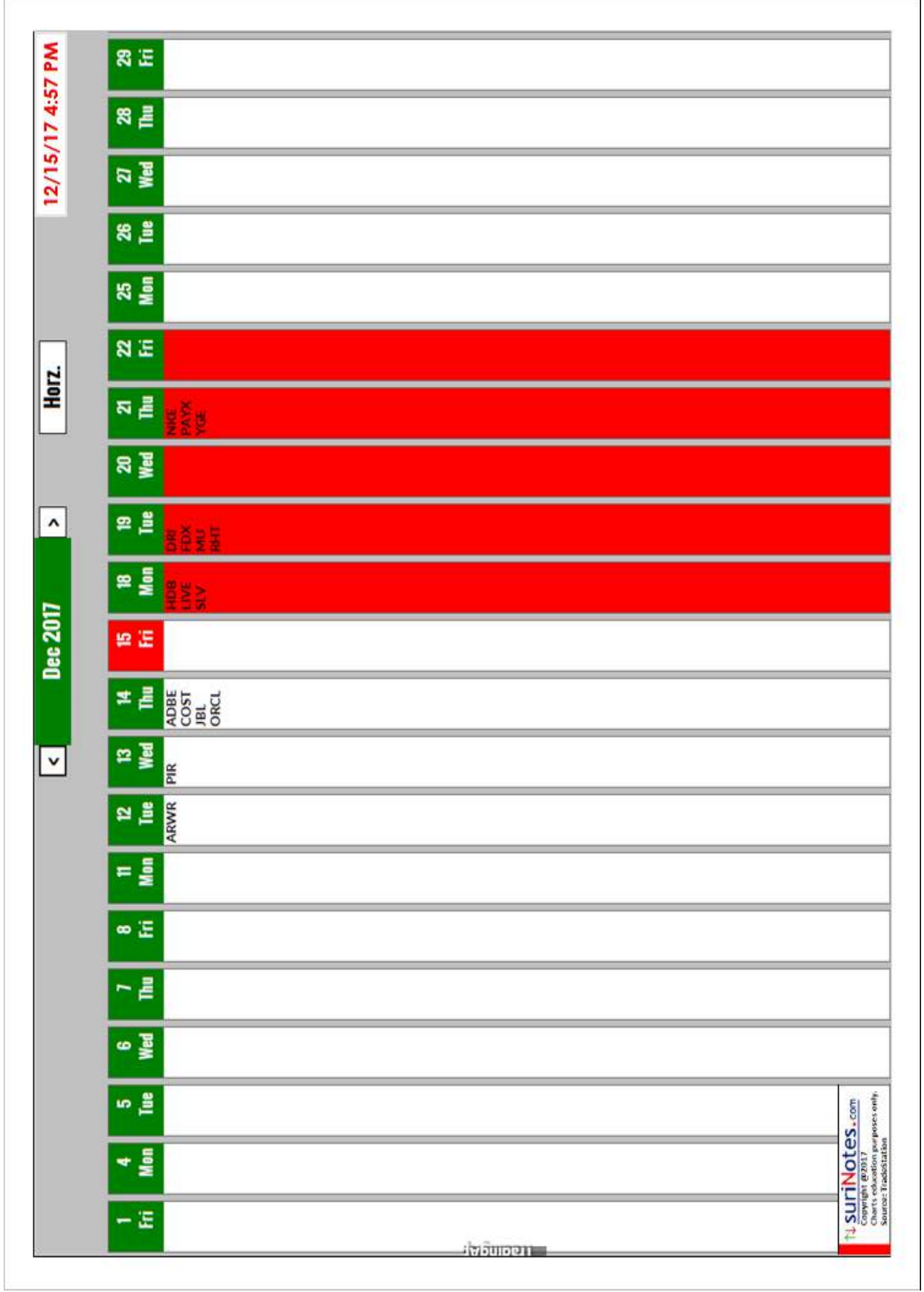
@YM Gap chart with filled and unfilled Gaps with at least 1 ATR Gap.

Earnings

Companies releasing earnings in the next few weeks.



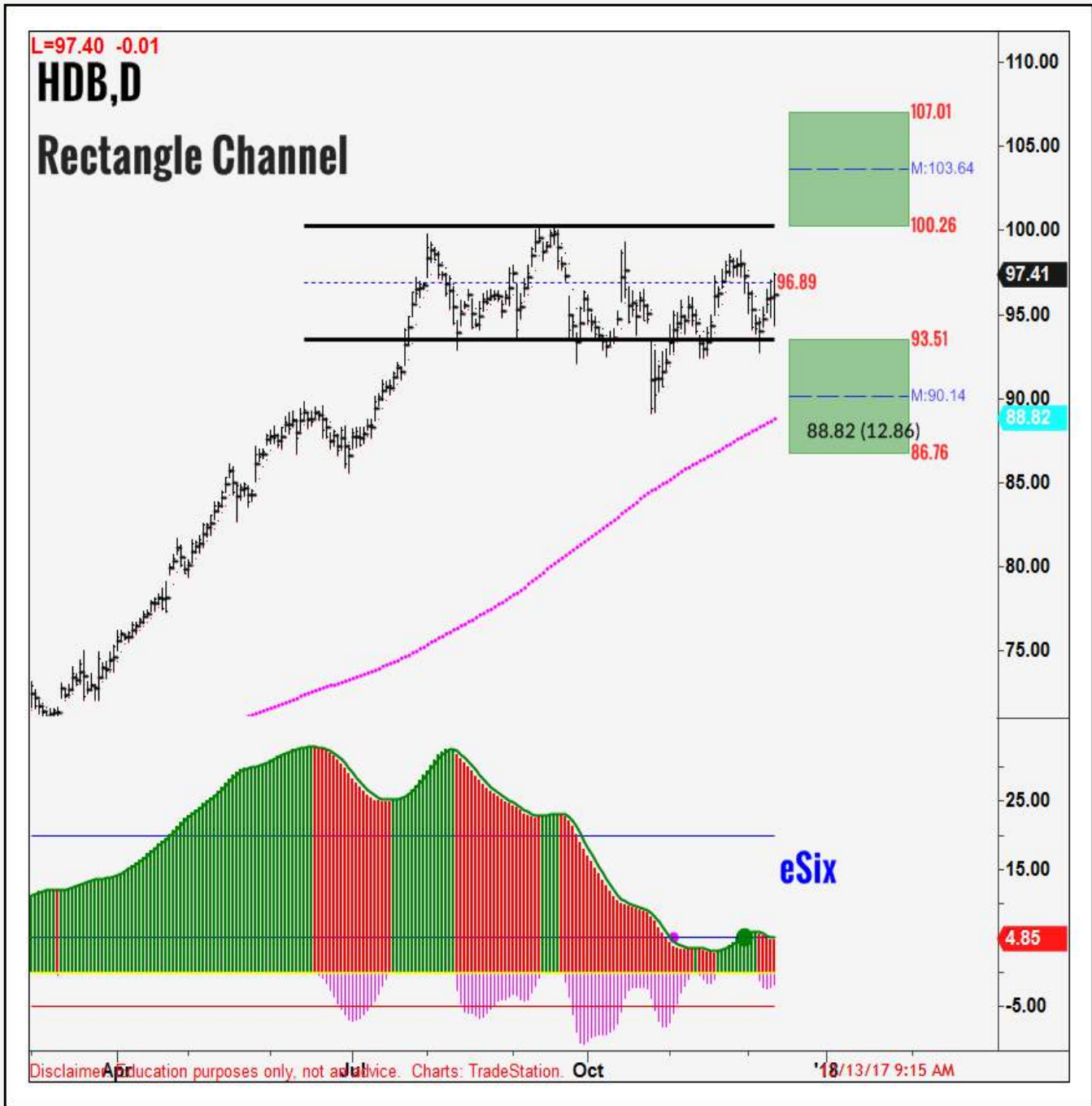
December Earnings Calendar



January Earnings Calendar

< > Horiz. 12/15/17 4:57 PM		
1	Mon	LEN
2	Tue	LEN
3	Wed	PEP
4	Thu	MON SONC WBA
5	Fri	
8	Mon	
9	Tue	
10	Wed	BLK DAL FAST
11	Thu	C
12	Fri	BAC JPM WFC
15	Mon	
16	Tue	CREE CSX GS HOG IBM JNJ LRCX MS SYNT UNH WIT
17	Wed	ABT ASML AXP EBAY UAL
18	Thu	ATHN BX DOV ETFC ISRG MXIM PM SAP TSM VZ
19	Fri	GE HON PG SLB
22	Mon	ITW STX WHR
23	Tue	AKAM AMD AMTD BIIB CAT CMG CVLT ESRX GLW GM ILMN INFY IRM JBLU JNPR LLY LMT MCD MIMM PCAR PHM RF SFLY SHW T TXN UTX
24	Wed	AFL ALGT AMGN BA BOLD BUD CELG FCX FEV FLIR GD IP KO LVS MLNX NDAQ NOC GILD NTGR NXPI ORLY S SKYY SRPT TER TSCO LUV UTHR V VAR VRTX WYN XLNX
25	Thu	AAI ALXN AMZN BIDU BMY BUD CELG CERN CHTR CME CY DECK EXPE FARO FLEX FLSR GILD GOOG IMAX INTC KCR KLAC LLL LOGM LUV MAT MCK MHK MO MSFT MSTR NEM OSIS PENN PFG POT POWI RTN SAVE SIMO TWTR TWX TZOO UPS VLO VRSN WDC WM WYNN XRX
26	Fri	ABBV CL CVX IBN MRK SOHU SPG VRTS WY XOM
29	Mon	CRAY NBL STRA
30	Tue	AET CHKP CMI DDD DVN EA ECL EQIX FB FISV IDXX INCY K MA MOS OKE PFE PLT MET PZZA NUS OXY PRU UA X
31	Wed	AGN CAVM CDW CTRP CTSH EL EQIX FB FISV IDXX INCY GNRC GPRO GRMN GRPN ICPT LPSN PFE MET MYYT NUS OXY PRU QRVO RDWR RGLD SNI SODA SYMC TAP TSLA ULTI WMB YELP

HDB Rectangle Channel



HDB (Daily, Earnings: 12/18/17) is trading in Rectangle Channel pattern. Watch channel upper and lower trend lines for potential breakouts.

DRI ABC Bullish Pattern



\$DRI (D) ABC Bullish Pattern Long Entry above 80.91, Stop below 79.17 (-1.74), Target1 Zone: 84.9 to 86.5, Target2 Zone: 91.0 to 94.2

LULU Rectangle Channel Pattern



Reviewed in CPAT 10/16/17

LULU (D) is trading in Rectangle Channel pattern.

FDX ABC Bullish Pattern



Reviewed in CPAT 10/02/17

\$FDX (D) ABC Bullish Pattern Long Entry above 218.72, Stop below 214.16 (-4.56), Target1 Zone: 231.6 to 236.4, Target2 Zone: 250.0 to 259.9

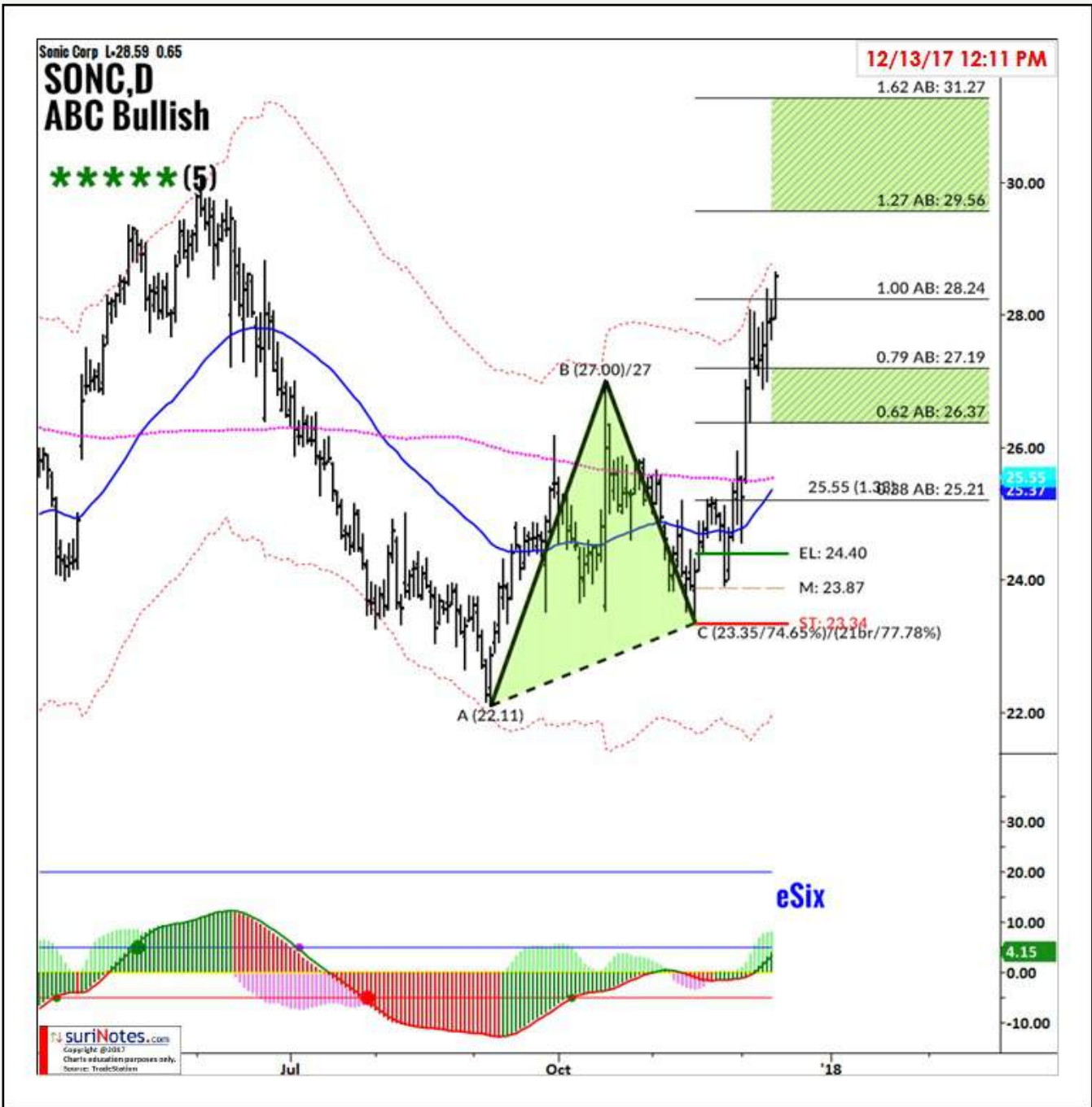
NKE Rectangle Channel



Reviewed in CPAT 09/18/17

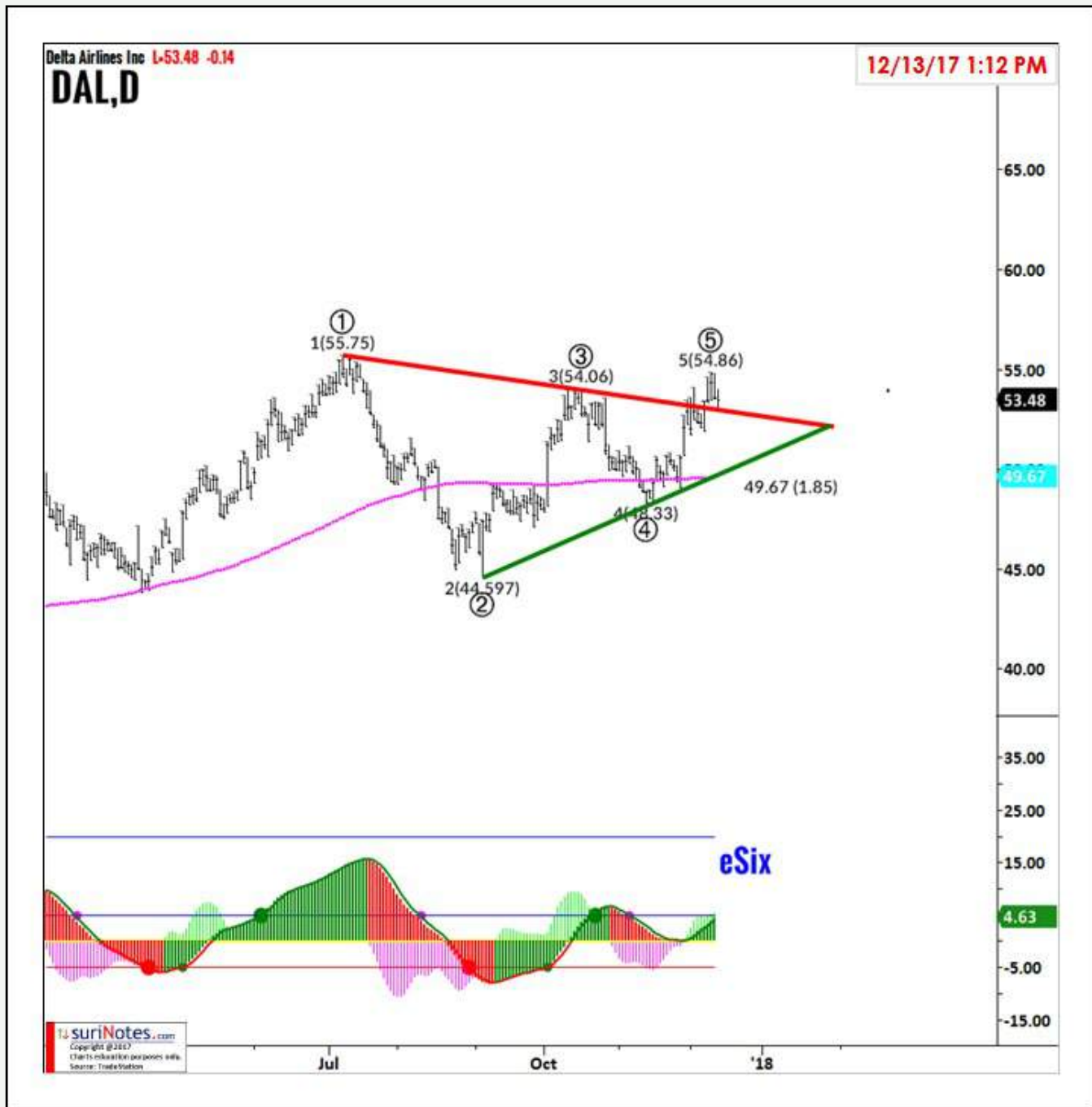
NKE (Daily, Earnings: 12/21) is trading in Rectangle Channel pattern. Channel breakout level: \$59. Targets: \$63-67

SONC ABC Bullish Pattern



\$SONC (D) ABC Bullish Pattern Long Entry above 24.40, Stop below 23.34 (-1.06), Target1 Zone: 26.4 to 27.2, Target2 Zone: 29.6 to 31.3

DAL Symm. Triangle Pattern



Reviewed in CPAT 10/16/17

DAL (Daily, Earnings: 1/10/18) is trading in Symm. Triangle pattern. Symm. Triangle pattern breakout levels: \$54.

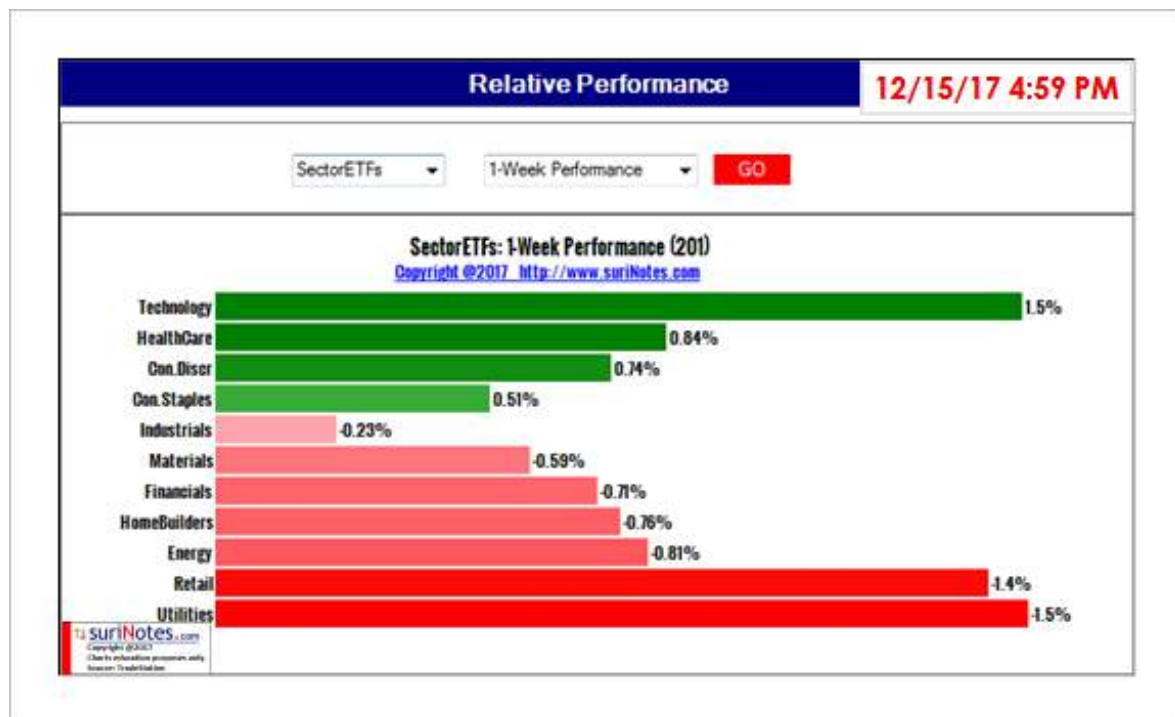
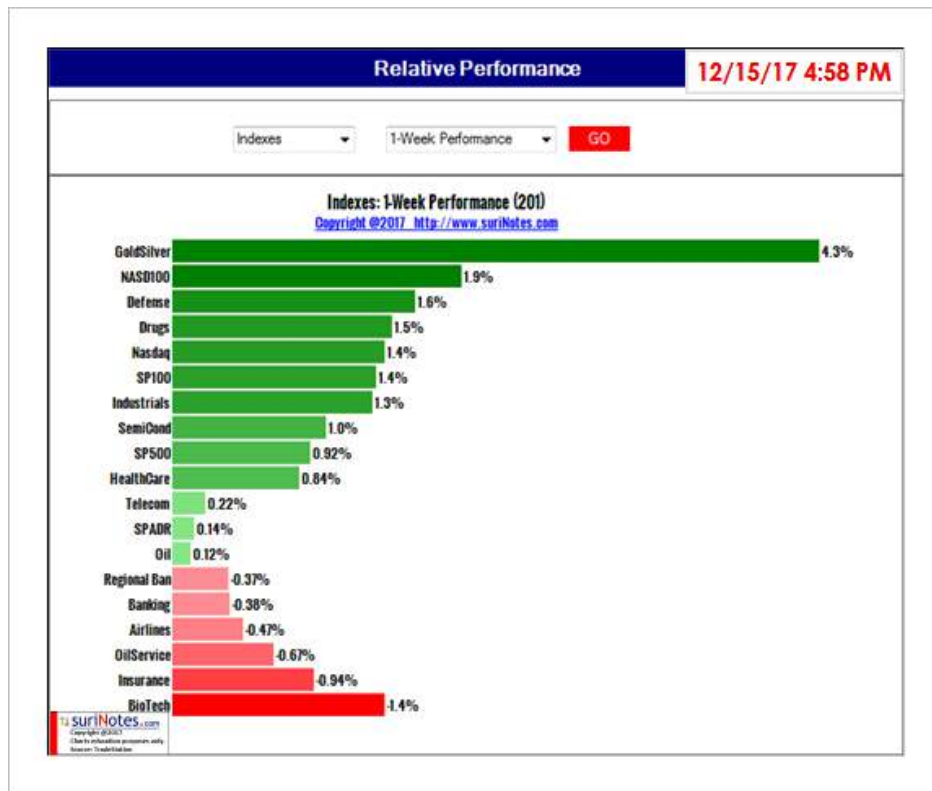
Weekly Relative Performances



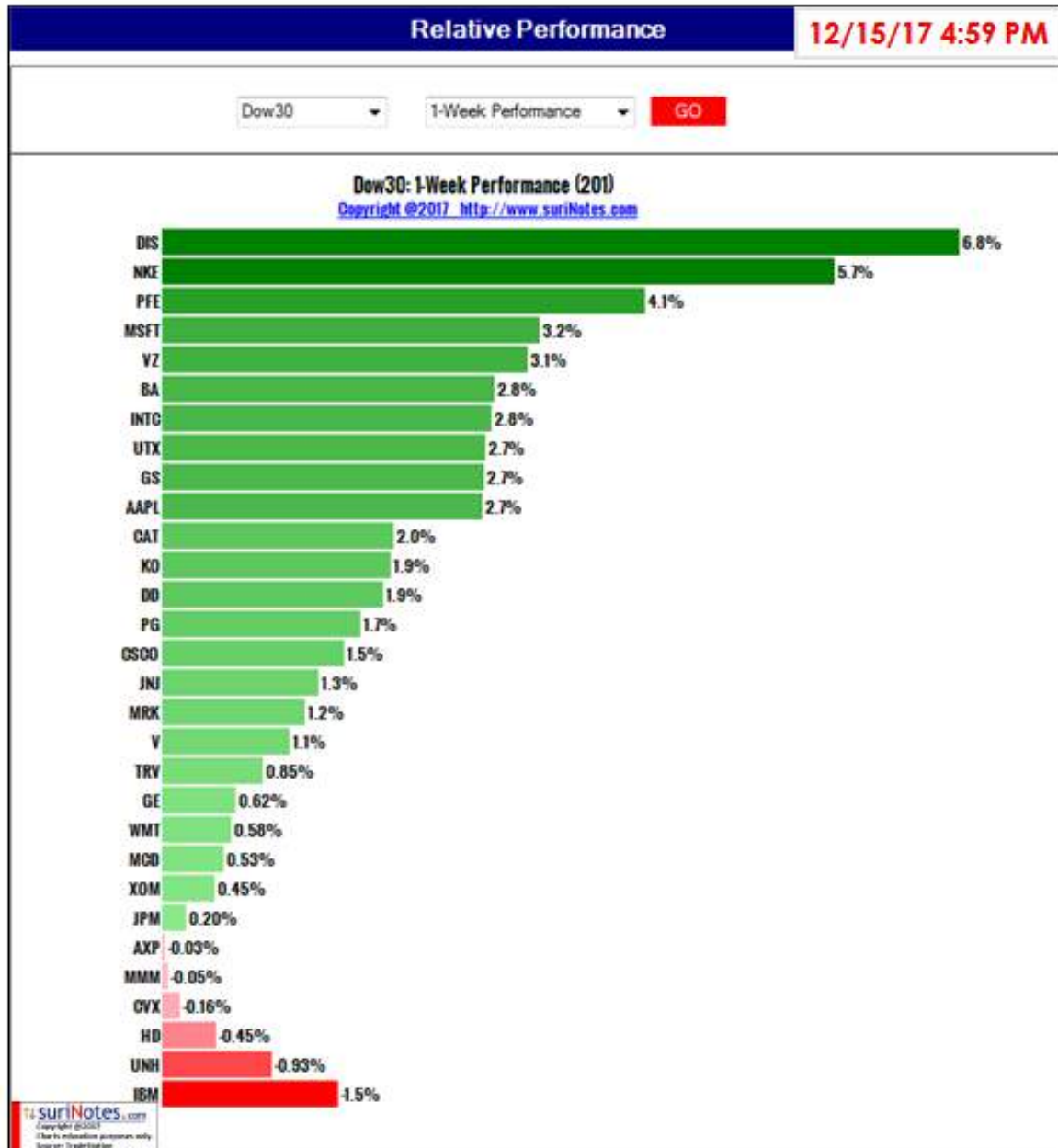
Sector & Indexes Relative Performances

Winners: GoldSilver, Defense, Drugs

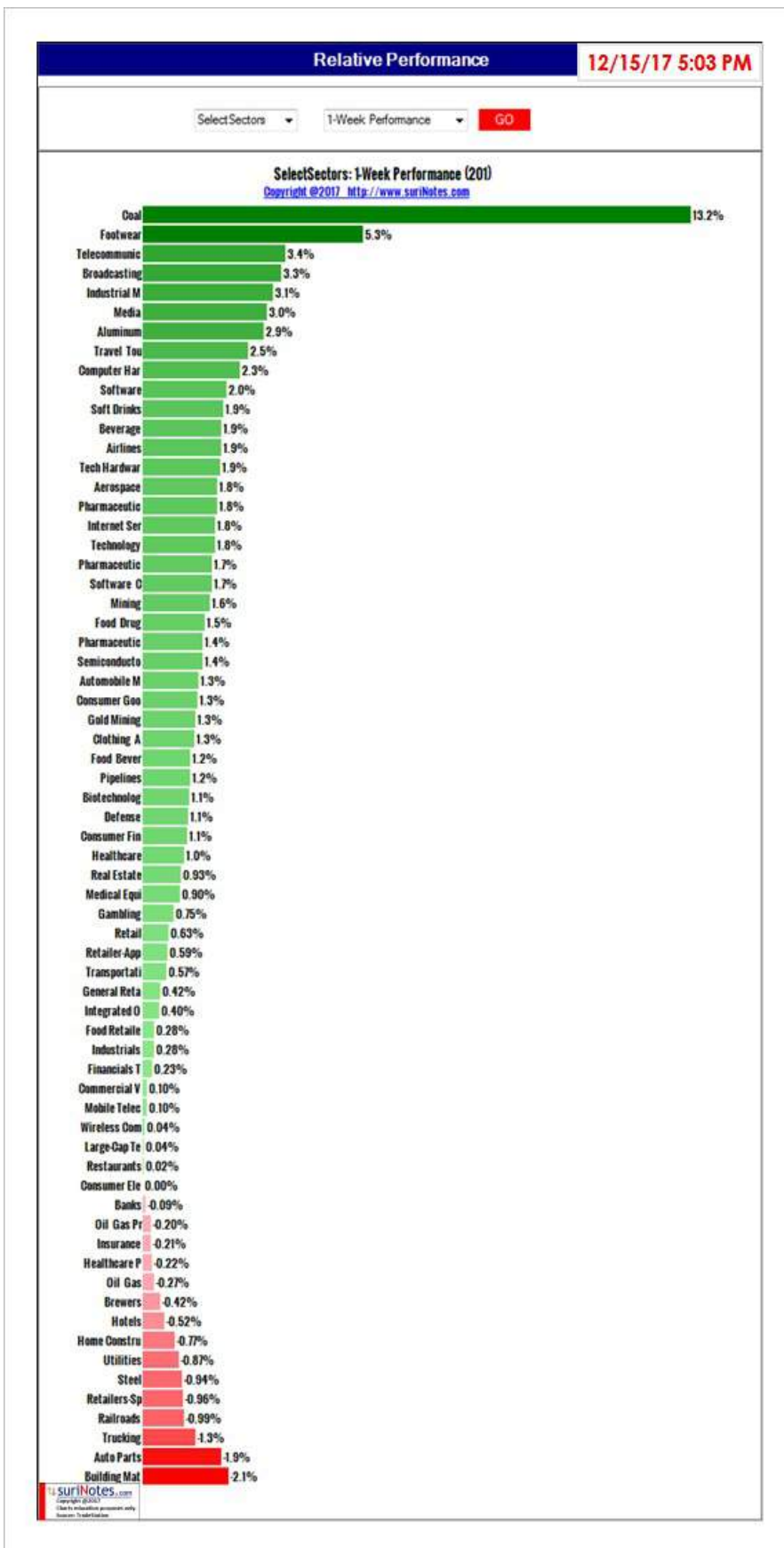
Losers: BioTech, Insurance



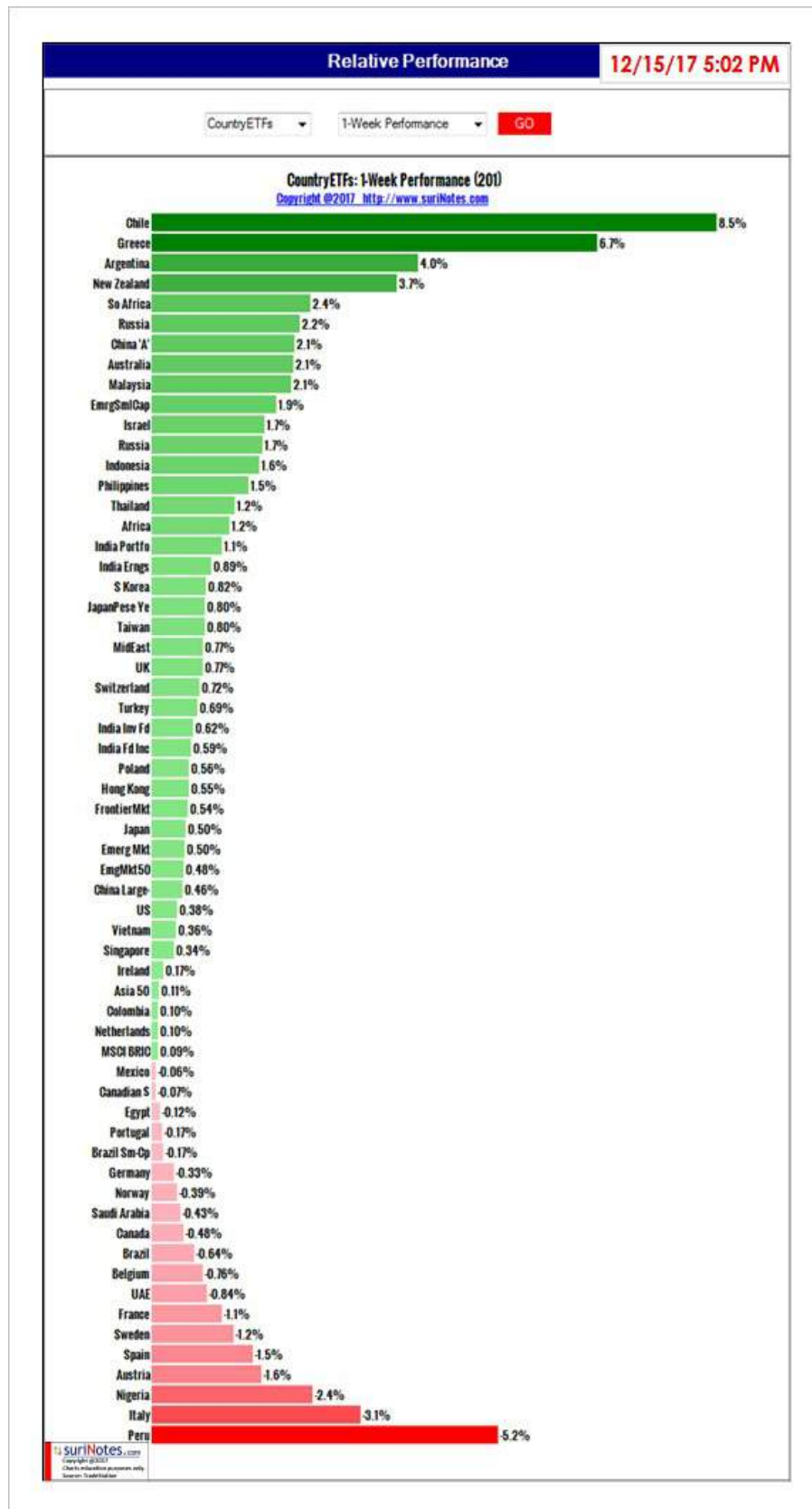
Dow 30 Weekly Relative Performance



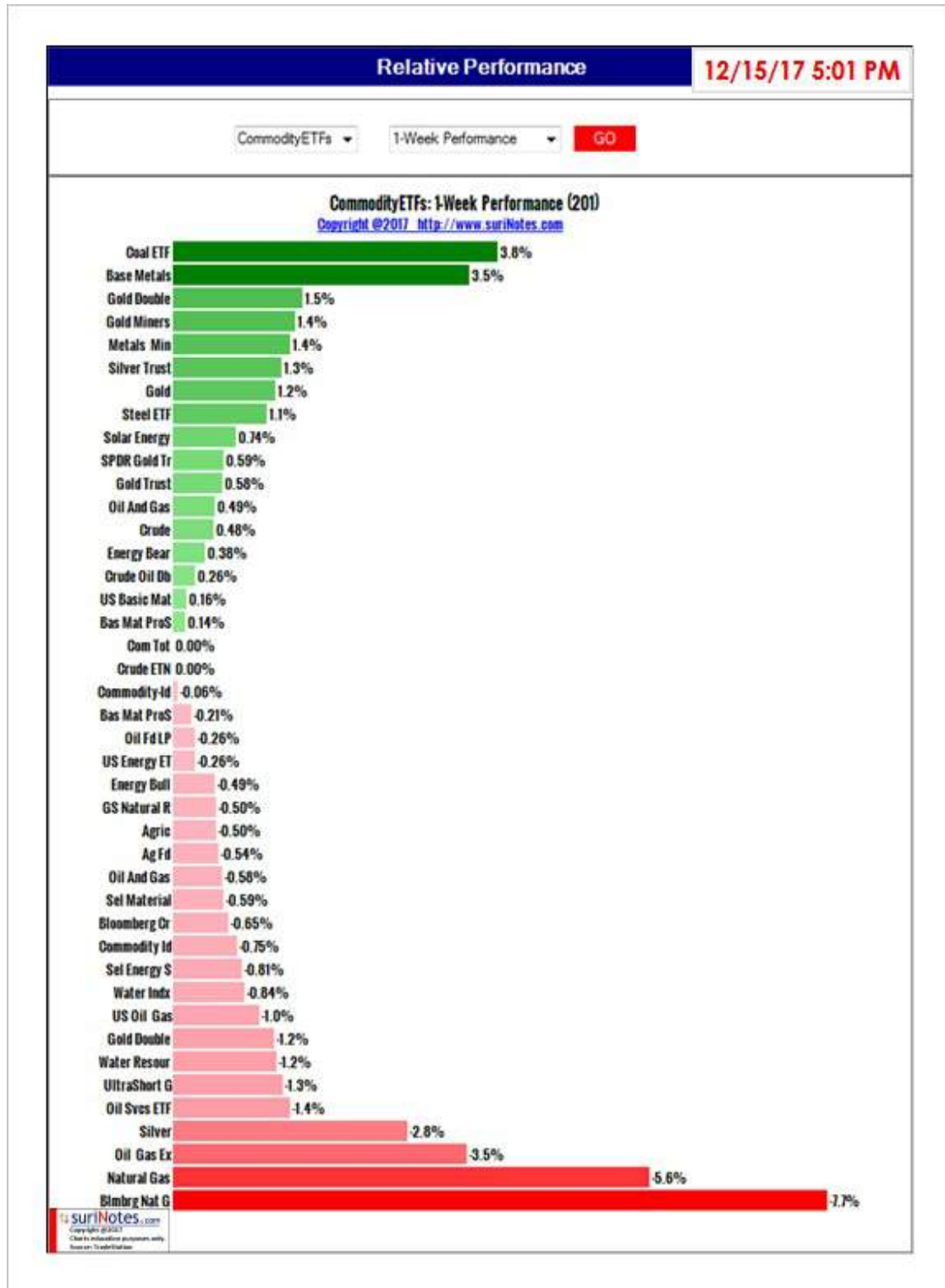
Select Sectors Weekly Performance



Country ETFs Weekly Performance



Commodity ETFs Weekly Performance





Watch Lists

Momentum

Relative Strength

Bullish/Bearish Lists

NH/NL

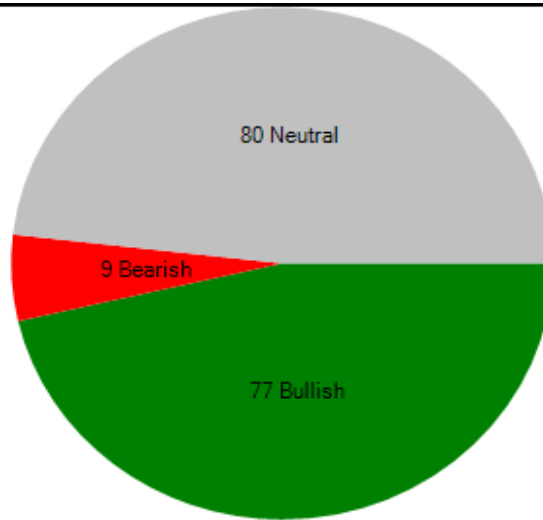
Oversold/Overbought

Key Retracements

Sector ETF %DWMY

mt	PlotSymbol		Last	Net Chg	suri.Chng%			mt	PlotSymbol		Last	Net Chg	suri.Chng%			
	Sym	Name			1D%	W%	M%		YTD%	Sym			Name	1D%	W%	M%
1	SectorETFs															
2	FAS	Finl Bull 3x Shs	68.65	2.03	2.55	0.62	14.66	32	BBH	VanEck Vctrs Biotech ETF	126.96	1.85	1.46	1.12	3.68	18.03
3	ITB	iShs US Home Constr ETF	42.590	0.420	0.99	(0.56)	4.772	33	VFH	Vanguard Finl ETF	69.86	0.78	1.12	(0.63)	6.01	17.71
4	TAN	Guggenheim Solar Energy	24.53	0.05	0.20	0.74	-2.35	34	IYT	iShs Transp Avg ETF	187.710	1.170	0.62	(0.06)	9.791	15.27
5	IGV	iShs North Ameri Tch-Software	157.490	1.970	1.25	2.15	0.858	35	XLU	S&P Sel Utilities Spdr Fd	55.03	-0.30	(0.56)	(1.52)	-3.25	13.28
6	UYG	Ultra Finl ProShs	128.27	2.29	1.79	0.44	9.89	36	PPH	anEck Vctr Pharmaceutical ETF	59.42	0.75	1.26	2.41	7.88	13.16
7	SMH	VanEck Vctrs Semiconductor ETF	99.45	1.80	1.61	1.28	-3.91	37	IGN	iShs GS Networking Fd	48.71	0.19	0.39	1.37	5.18	11.67
8	XBI	SPDR S&P Biotech	81.88	0.56	0.61	(2.51)	2.20	38	KIE	SPDR S&P Insurance	30.72	0.14	0.46	(1.13)	0.49	11.10
9	IGM	iShs Gold Sach Tech Idx T	170.39	1.59	0.93	1.55	1.42	39	RWX	SPDR DJ Wilshire Intl Real Est	39.86	-0.24	(0.60)	0.50	3.67	10.48
10	IYW	iShs US Tech ETF	164.95	1.95	1.16	1.71	1.44	40	XLP	&P Sel Consum Staples Spdr Fu	56.99	0.33	0.39	0.51	3.83	10.00
11	PBW	PwrShr WilderHill Clean Energy	25.23	0.27	1.07	1.77	2.52	41	IAT	iShs US Regional Banks ETF	49.61	0.74	1.49	(0.42)	6.92	9.32
12	VGT	Vanguard Info Tech ETF	166.46	1.89	1.14	1.44	1.20	42	KBE	SPDR S&P Bank ETF	47.39	0.60	1.27	(0.67)	6.40	9.02
13	XLK	S&P Sel Tech Spdr Fd	64.75	0.68	0.76	1.51	1.91	43	GLD	SPDR Gold Trust	119.18	0.25	0.21	0.59	-1.96	8.73
14	PPA	PwrShs Aerospace & Defense	54.06	0.74	1.37	1.22	4.10	44	IYR	iShs US R/E ETF	82.52	0.40	0.41	1.08	-0.27	7.17
15	XHB	SPDR S&P Homebuilders	43.28	0.24	0.55	(0.76)	4.79	45	KRE	SPDR S&P Regional Bank	59.15	1.07	1.68	(0.37)	6.16	6.30
16	KCE	SPDR S&P Cap Mkts	57.34	0.49	0.85	(0.74)	7.44	46	GDX	VanEck Vctrs Gold Miners ETF	22.00	-0.07	(0.36)	1.43	-2.66	5.11
17	IAI	iShs US Broker-Dealers & Sec	62.97	0.59	0.94	(0.11)	8.63	47	ICF	iShs Cohen & Steers REIT ETF	103.260	0.480	0.46	1.30	-0.559	3.63
18	IHF	iShs US Hlth Cre Providers ETF	156.25	1.78	1.14	0.33	6.58	48	VNQ	Vanguard REIT ETF	85.11	0.56	0.62	1.25	-0.12	3.09
19	IYG	iShs US Finl Svc ETF	130.48	1.40	1.07	0.09	7.52	49	RWR	SPDR DJ Wilshire REIT	94.52	-0.09	(0.10)	0.56	-0.46	1.25
20	GEX	VanEck Vctrs Global Alt Energy	61.45	0.46	0.75	2.98	4.76	50	XRT	SPDR S&P Retail	44.28	0.46	1.04	(1.45)	11.26	0.48
21	XLV	S&P Sel Health Care Spdr Fd	83.74	0.61	0.69	0.84	3.41	51	SLV	iShs Silver Trust	15.15	0.13	0.86	1.27	-5.78	0.26
22	RTH	VanEck Vctrs Retail ETF	91.52	0.81	0.89	0.84	9.68	52	USO	United States Oil Fd LP	11.47	0.04	0.26	(0.26)	2.96	(2.22)
23	IBB	iShs Nasdaq Bio Tech ETF	106.38	1.21	1.34	0.50	4.84	53	XLE	S&P Sel Energy Spdr Fd	68.86	-0.38	(0.76)	(0.81)	0.85	(8.76)
24	XLV	S&P Sel Consum Discretion'y Sp	98.02	0.14	0.09	0.74	5.62	54	IYZ	iShs US Telecom ETF	29.420	0.060	0.20	1.62	6.749	(14.72)
25	XLJ	S&P Sel Industrial Spdr Fd	74.57	0.17	0.16	(0.23)	5.51	55	IYZ	iShs US Telecom ETF	29.420	0.060	0.20	1.62	6.749	(14.72)
26	XLF	S&P Sel Finl Spdr Fd	27.87	0.18	0.43	(0.71)	6.51	56	SRS	UltraShort Real Estate ProShrs	28.81	-0.27	(0.94)	(2.27)	0.42	(19.21)
27	MOO	VanEck Vctrs Agribusiness	61.05	0.34	0.56	0.25	3.21	57	SZK	UltraShort Cons Gds ProShs	13.64	-0.21	0.00	(2.12)	-10.88	(25.94)
28	XLB	S&P Sel Materials Spdr Fd	59.08	0.06	0.10	(0.59)	2.07	58	OIH	VanEck Vctrs Oil Svcs ETF	24.50	0.00	(0.33)	(1.37)	0.41	(26.78)
29	URE	Ultra Real Estate ProShs	67.48	0.60	0.89	2.21	-0.72	59	SDP	UltraShort Utilities ProShrs	23.27	-0.27	(1.16)	0.74	4.12	(28.09)
30	IYC	iShs US Cons Service ETF	178.36	1.18	0.66	1.15	6.80	60	SCC	UltraShort Cons Svcs ProShs	24.65	-0.37	(1.50)	(2.14)	-14.79	(30.31)
31	IYF	iShs US Finl ETF	119.86	1.17	0.93	0.20	4.90	61	SKF	UltraShort Finl ProShare	20.99	-0.34	(1.62)	(0.33)	-9.25	(31.41)
								62	SIJ	UltraShort Ind ProShs	17.10	-0.18	(1.05)	(1.50)	-8.85	(35.35)

Bullish/Bearish List



	rmt	PlotSym...	Last	suri.Bull...	rmt	PlotSym...	Last	suri.Bull...	rmt	PlotSym...	Last	suri.Bull...
		Sym		Direc.		Sym		Direc.		Sym		Direc.
1		AMD	10.29	BEAR	29	FB	180.10	BULL	57	NTAP	57.27	BULL
2		BUD	110.62	BEAR	30	FCX	16.98	BULL	58	NTES	355.78	BULL
3		CTRP	44.10	BEAR	31	FDX	240.05	BULL	59	PANW	147.00	BULL
4		GLD	119.18	BEAR	32	FSLR	68.96	BULL	60	PEP	119.22	BULL
5		PCLN	1,768.59	BEAR	33	GILD	75.54	BULL	61	PFE	37.18	BULL
6		SOHU	44.81	BEAR	34	GOOG	1,061.21	BULL	62	QQQ	158.03	BULL
7		SWKS	94.63	BEAR	35	GS	257.69	BULL	63	RHT	128.78	BULL
8		WDC	81.76	BEAR	36	GWPH	130.21	BULL	64	SBUX	58.30	BULL
9		XONE	9.11	BEAR	37	INFY	16.06	BULL	65	SPLK	82.46	BULL
10		AAL	51.30	BULL	38	IWM	152.39	BULL	66	SPY	267.04	BULL
11		AAPL	174.01	BULL	39	JNJ	142.54	BULL	67	STX	42.04	BULL
12		AKAM	65.60	BULL	40	JNPR	28.40	BULL	68	TGT	62.61	BULL
13		BA	294.20	BULL	41	JPM	106.39	BULL	69	TJX	74.17	BULL
14		BAC	29.08	BULL	42	KORS	61.65	BULL	70	TSCO	68.42	BULL
15		BIIB	326.00	BULL	43	LLY	86.54	BULL	71	TWTR	22.27	BULL
16		BWLD	156.40	BULL	44	LMT	322.82	BULL	72	TXN	101.27	BULL
17		CAT	146.77	BULL	45	LULU	75.82	BULL	73	ULTI	218.28	BULL
18		COST	192.73	BULL	46	LVS	70.50	BULL	74	UTHR	137.41	BULL
19		CREE	39.13	BULL	47	M	24.59	BULL	75	V	113.52	BULL
20		CSCO	38.19	BULL	48	MA	153.40	BULL	76	VMW	123.09	BULL
21		CVX	119.72	BULL	49	MCD	174.06	BULL	77	VZ	52.82	BULL
22		DAL	56.10	BULL	50	MELI	318.90	BULL	78	WYNN	166.03	BULL
23		DECK	75.98	BULL	51	MNST	64.01	BULL	79	X	31.97	BULL
24		DIA	246.40	BULL	52	MO	71.67	BULL	80	XLF	27.87	BULL
25		DIS	111.50	BULL	53	MS	53.00	BULL	81	XLI	74.57	BULL
26		ESRX	71.55	BULL	54	MSFT	86.92	BULL	82	XLK	64.75	BULL
27		F	12.58	BULL	55	NKE	64.79	BULL	83	XLV	83.74	BULL
28		FAS	68.65	BULL	56	NOC	310.45	BULL	84	XRT	44.28	BULL

52 Week Highs and Lows

S. No.	PlotSymbol Sym	Last	52 Wk High	52 Wk L...	S...	PlotSymbol Sym	Last	52 Wk High	52 Wk L...	S...	PlotSymbol Sym	Last	52 Wk High	52 Wk L...	S...	PlotSymbol Sym	Last	52 Wk High	52 Wk L...	S...
1	AAL	51.30	54.48	39.21	41	DATA	70.63	82.32	41.41	81	JPM	106.39	108.40	81.64	1...	RL	96.11	103.09	66.06	
2	AAPL	174.04	176.24	114.76	42	DDD	10.40	23.70	7.92	82	KLAC	105.63	110.00	77.84	1...	SAP	114.28	116.90	84.76	
3	ADBE	177.53	186.27	101.91	43	DECK	75.98	78.76	44.00	83	KO	46.19	47.48	40.22	1...	SBUX	58.30	64.87	50.84	
4	ADSK	108.40	131.10	73.60	44	DIA	246.40	247.07	196.69	84	KORS	61.65	62.30	32.38	1...	SHW	403.82	413.98	265.14	
5	AKAM	65.56	71.64	44.65	45	DIS	111.50	116.10	96.20	85	LLY	86.54	89.09	71.76	1...	SINA	100.89	119.20	55.79	
6	ALNY	125.59	147.63	35.98	46	ESRX	71.55	73.42	55.80	86	LMT	322.82	322.19	247.01	1...	SODA	68.57	72.14	38.17	
7	ALXN	115.76	149.34	96.18	47	EXPE	120.88	161.00	111.88	87	LOGM	118.75	129.51	90.35	1...	SOHU	44.81	70.86	33.69	
8	AMAT	52.75	60.89	31.66	48	F	12.58	13.27	10.47	88	LULU	75.82	75.95	47.26	1...	SPLK	82.46	84.88	50.64	
9	AMBA	56.51	65.39	40.06	49	FAS	68.65	70.01	40.08	89	LVS	70.50	71.42	51.35	1...	SPY	267.03	267.56	222.73	
10	AMD	10.29	15.65	9.42	50	FAZ	11.78	22.14	11.48	90	M	24.59	39.78	17.41	1...	SSYS	22.25	30.88	16.37	
11	AMGN	177.04	191.10	145.12	51	FB	180.10	184.25	114.77	91	MA	153.40	154.65	102.98	1...	STX	42.04	50.96	30.60	
12	AMTD	53.11	54.24	36.12	52	FCX	16.98	17.06	10.50	92	MCD	174.06	174.44	118.18	1...	SWKS	94.63	117.65	73.94	
13	AMZN	1,178.11	1,213.41	747.70	53	FDX	240.05	243.48	182.89	93	MCHP	86.75	95.92	62.21	1...	SYMC	28.98	34.20	23.77	
14	AVGO	265.78	285.68	173.31	54	FFIV	131.06	149.50	114.63	94	MELI	318.90	329.00	150.29	1...	TARO	106.59	128.46	94.00	
15	AXP	98.53	99.75	73.50	55	FOSL	6.86	31.40	5.50	95	MNST	64.01	64.22	41.02	1...	TGT	62.61	78.37	48.56	
16	BA	294.20	296.82	153.14	56	FSLR	68.96	71.80	25.56	96	MO	71.67	77.79	60.01	1...	TJX	74.17	80.92	66.44	
17	BAC	29.08	29.50	21.77	57	FXI	45.75	48.36	33.91	97	MON	117.35	122.79	104.77	1...	TRIP	35.03	53.58	29.50	
18	BIDU	233.50	274.97	162.02	58	GD	198.84	214.81	171.65	98	MRK	56.17	66.80	53.63	1...	TSCO	68.42	78.25	49.87	
19	BIIB	326.00	348.84	244.28	59	GE	17.81	32.38	17.46	99	MS	53.00	54.25	40.06	1...	TSLA	343.16	389.61	197.60	
20	BMY	62.41	66.10	46.01	60	GILD	75.54	86.27	63.76	1...	MSFT	86.92	86.20	61.95	1...	TWTR	22.27	23.24	14.12	
21	BUD	110.62	126.50	102.50	61	GLD	119.18	128.32	107.29	1...	MSTR	132.65	207.28	122.90	1...	TXN	101.27	100.54	72.47	
22	BWLD	156.40	168.50	95.00	62	GM	41.00	46.76	31.92	1...	MU	42.45	49.89	20.19	1...	UAL	63.76	83.04	56.51	
23	C	74.81	77.92	55.23	63	GOOG	1,061.21	1,062.38	770.41	1...	MXIM	52.46	55.43	38.18	1...	ULTA	218.37	314.86	187.96	
24	CAT	146.77	149.05	90.34	64	GPRO	8.04	12.47	7.14	1...	NFLX	190.03	204.38	122.87	1...	ULTI	218.28	233.42	180.29	
25	CBS	58.90	70.10	52.75	65	GRMN	58.36	63.15	47.03	1...	NKE	64.79	64.85	50.35	1...	UPS	118.00	125.16	102.12	
26	CELG	109.41	147.17	94.55	66	GS	257.69	260.50	209.62	1...	NOC	310.45	311.08	223.88	1...	UTHR	137.41	169.89	112.01	
27	CERN	69.42	73.86	47.09	67	GWPH	130.21	136.95	92.65	1...	NTAP	57.27	58.99	35.08	1...	V	113.52	114.37	77.19	
28	CHKP	107.22	119.20	84.00	68	IBB	106.38	114.17	87.97	1...	NTEG	355.78	375.10	211.11	1...	VMW	123.09	127.60	77.94	
29	CME	150.56	155.29	113.27	69	IBM	152.75	182.79	139.13	1...	NVDA	191.79	218.67	95.17	1...	VRSN	115.03	118.28	75.71	
30	CMG	312.12	499.00	263.00	70	ICE	70.49	72.99	55.79	1...	OLED	170.55	192.75	55.30	1...	VZ	52.82	54.83	42.80	
31	COST	192.73	191.22	150.00	71	IFN	27.50	28.81	20.39	111	ORCL	48.31	53.14	38.30	1...	WDAY	103.75	116.89	65.79	
32	CREE	39.13	38.39	20.50	72	IIF	35.96	36.78	24.55	1...	PANW	147.00	157.65	107.31	1...	WDC	81.76	95.77	66.91	
33	CRM	105.47	109.19	68.23	73	ILMN	216.55	230.72	126.18	1...	PCLN	1,768.59	2,067.99	459.49	1...	WMT	97.10	100.13	65.28	
34	CSCO	38.19	38.37	29.80	74	IMAX	25.00	34.60	17.58	1...	PEP	119.22	119.39	101.06	1...	WYNN	166.03	166.79	85.57	
35	CTRP	44.10	60.65	39.71	75	INFY	16.06	16.15	13.42	1...	PFE	37.18	36.89	30.90	1...	X	31.97	41.83	18.55	
36	CTSH	72.08	76.51	51.52	76	INTC	44.51	47.30	33.23	1...	PG	91.89	94.67	83.24	1...	XHB	43.28	44.49	33.72	
37	CTXS	87.53	88.96	70.24	77	IWM	152.39	155.41	132.40	1...	QCOM	64.81	69.28	48.92	1...	XLE	68.84	76.81	61.80	
38	CVX	119.72	122.30	102.55	78	JAZZ	135.53	163.75	104.82	1...	QQQ	158.03	156.69	118.14	1...	XLF	27.87	28.33	22.85	
39	CYBR	43.60	55.65	39.34	79	JNJ	142.54	144.35	110.76	1...	RDY	37.21	46.95	29.83	1...	XLI	74.57	75.31	62.02	
40	DAL	56.10	55.75	43.81	80	JNPR	28.40	30.96	23.87	1...	RHT	128.78	129.61	68.54	1...	XLK	64.75	64.77	48.21	

D%, W%, M%, YTD%

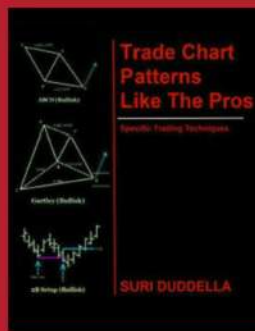
S...	PlotSym...	Last	surtlChng%			S...	PlotSym...	Last	surtlChng%			S...	PlotSym...	Last	surtlChng%											
			1D%	W%	M%				YTD%	1D%	W%				M%	YTD%	1D%	W%	M%	YTD%						
1	AAL	51.30	1.66	0.1	11.5	9.4	41	70.62	1.76	(1.3)	(0.8)	67.6	81	JPM	106.14	1.39	0.2	9.1	23.0	1...	RL	96.11	-0.77	(6.1)	10.2	6.4
2	AAPL	174.04	1.01	2.7	1.5	50.2	42	10.40	3.85	9.1	27.5	(21.7)	82	KLAC	105.63	1.15	1.6	3.4	34.3	1...	SAP	114.28	0.42	1.5	1.1	32.2
3	ADBE	177.53	1.41	2.3	(2.1)	72.4	43	75.98	2.41	(2.2)	9.1	37.2	83	KO	46.20	0.35	1.9	(2.6)	11.4	1...	SBUX	58.30	-2.42	(0.5)	2.4	5.0
4	ADSK	108.40	1.98	1.2	(12.5)	46.5	44	246.40	0.28	1.1	5.1	24.7	84	KORS	61.65	0.39	(0.3)	12.3	43.4	1...	SHW	403.82	0.89	(1.2)	3.8	50.3
5	AKAM	65.52	1.73	2.2	7.5	(13.4)	45	111.28	0.63	6.8	7.9	6.8	85	LLY	86.54	0.05	0.1	4.9	17.7	1...	SINA	100.89	1.33	4.0	(5.3)	79.9
6	ALNY	125.59	1.54	(4.0)	(3.6)	235.4	46	71.55	3.54	5.0	18.8	4.0	86	LMT	322.82	1.80	2.2	2.9	29.2	1...	SODA	68.57	1.00	(1.2)	4.5	74.3
7	ALXN	115.76	2.31	1.1	5.3	(5.4)	47	120.88	0.81	2.8	(1.0)	6.7	87	LOGM	118.75	-0.34	1.5	3.7	23.6	1...	SOHU	44.81	0.71	2.5	(16.5)	32.2
8	AMAT	52.75	2.34	2.2	(6.9)	62.8	48	12.58	0.95	(0.2)	4.7	3.7	88	LULU	75.82	1.37	2.8	16.8	16.7	1...	SPLK	82.46	1.54	2.5	20.6	61.2
9	AMBA	56.51	-1.86	(4.2)	3.3	4.4	49	68.65	2.55	0.6	14.7	67.1	89	LVS	70.50	-0.07	0.2	4.8	32.0	1...	SPY	267.02	0.32	0.4	3.4	19.2
10	AMD	10.30	1.55	3.5	(7.5)	(9.3)	50	11.78	-2.55	(0.8)	(13.5)	(45.9)	90	M	24.59	-0.85	(4.7)	24.8	(31.3)	1...	SSYS	22.25	3.43	5.5	7.0	35.7
11	AMGN	177.04	1.20	0.9	4.1	21.1	51	180.10	0.99	0.7	1.2	56.6	91	MA	153.40	0.96	2.3	2.3	48.6	1...	STX	42.04	0.19	3.8	12.1	10.1
12	AMTD	53.10	2.12	(1.5)	4.7	19.2	52	16.98	4.65	13.4	23.0	28.7	92	MCD	174.06	0.53	0.5	3.5	43.0	1...	SWKS	94.63	0.57	(1.7)	(14.9)	26.7
13	AMZN	178.94	0.41	1.5	3.7	57.2	53	240.05	0.65	(0.3)	9.1	28.9	93	MCHP	86.75	1.48	(0.8)	(4.7)	35.2	1...	SYMC	28.98	0.79	3.6	3.1	21.3
14	AVGO	265.78	2.40	2.2	0.9	50.3	54	131.06	0.63	(1.3)	8.1	(9.4)	94	MELI	318.90	-0.66	15.4	21.5	104.2	1...	TARO	106.59	0.63	1.9	(5.9)	1.3
15	AXP	98.52	1.39	0.0	5.1	33.0	55	6.86	-1.02	(0.3)	(4.7)	(73.5)	95	MNST	64.01	1.37	1.2	2.2	44.4	1...	TGT	62.61	1.07	2.0	4.2	(13.3)
16	BA	293.94	0.02	2.8	12.3	88.8	56	68.96	1.55	(1.5)	12.5	114.9	96	MO	71.67	-0.17	0.2	9.0	6.0	1...	TJX	74.17	1.01	0.4	9.2	(1.3)
17	BAC	29.04	1.07	0.0	10.7	31.4	57	45.75	-0.57	0.5	(1.4)	31.8	97	MON	117.35	-0.43	0.0	(0.6)	11.5	1...	TRIP	35.03	1.54	1.5	16.5	(24.5)
18	BIDU	233.50	0.71	(0.5)	(0.6)	42.0	58	198.84	1.32	(1.1)	(0.7)	15.2	98	MRK	56.24	0.41	1.2	2.3	(4.5)	1...	TSCO	68.42	2.40	1.1	11.0	(9.7)
19	BIIB	326.00	1.34	0.7	5.9	15.6	59	17.80	1.01	0.6	(0.4)	(43.6)	99	MS	53.10	0.87	0.4	9.8	25.7	1...	TSLA	343.16	1.62	9.0	11.3	60.7
20	BMJ	62.41	0.45	0.0	1.9	6.8	60	75.54	1.63	1.8	6.2	5.5	1...	MSFT	86.89	2.49	3.2	3.3	39.8	1...	TWTR	20.28	-1.57	5.4	10.9	36.4
21	BUD	110.62	0.11	(0.9)	(3.6)	4.9	61	119.18	0.21	0.6	(2.0)	8.7	1...	MSTR	132.65	0.68	(2.6)	(0.4)	(32.8)	1...	TXN	101.27	0.96	3.3	4.4	38.7
22	BWLD	156.40	-0.22	0.1	7.6	1.3	62	41.00	0.34	(2.5)	(4.8)	17.5	1...	MU	42.48	0.38	(1.9)	(7.4)	93.4	1...	UAL	63.76	0.99	0.3	11.5	(12.5)
23	C	74.77	1.14	(1.2)	4.5	25.8	63	0.6121	1.41	2.6	3.7	37.9	1...	MXIM	52.46	2.25	1.1	(2.2)	36.0	1...	ULTA	218.37	0.49	(2.8)	9.6	(14.4)
24	CAT	146.69	0.28	2.0	6.7	58.2	64	8.04	2.49	0.2	(2.1)	(7.7)	1...	NFLX	190.03	0.29	0.8	(2.9)	53.6	1...	ULTI	218.28	1.21	2.1	10.0	19.7
25	CBS	58.90	1.31	2.5	4.4	(7.4)	65	58.36	-1.88	(6.3)	(3.9)	20.4	1...	NKE	64.79	0.40	5.7	15.7	27.5	1...	UPS	118.00	0.98	(1.3)	3.4	2.9
26	CELG	109.41	1.07	3.1	10.7	(5.5)	66	257.17	0.66	2.7	8.4	7.4	1...	NOC	310.45	1.15	1.6	3.3	33.5	1...	UTHR	137.41	1.19	0.9	15.9	(4.2)
27	CERN	69.42	1.22	(1.4)	6.7	46.5	67	130.21	-0.47	5.5	16.3	16.5	1...	NTAP	57.27	-0.17	(1.7)	25.5	62.4	1...	V	113.52	0.79	1.1	1.6	45.9
28	CHKP	107.22	0.86	2.3	4.7	26.9	68	106.38	1.34	0.5	4.8	20.5	1...	NTEG	355.78	-0.18	10.7	19.2	65.2	1...	VMW	123.09	2.06	3.5	1.1	57.2
29	CME	150.56	0.43	(1.1)	7.8	31.0	69	152.75	-0.98	(1.5)	2.4	(8.1)	1...	NVDA	191.70	2.66	0.0	(0.6)	79.5	1...	VRSN	115.03	0.77	1.8	3.5	51.2
30	CMG	312.12	-0.61	(1.2)	11.1	(17.3)	70	70.49	0.24	(0.6)	4.7	24.9	1...	OLED	170.55	0.03	(1.2)	(3.9)	202.9	1...	VZ	52.67	0.63	3.1	19.1	(1.3)
31	COST	192.73	3.22	2.5	12.4	25.9	71	27.50	0.29	0.6	1.6	28.6	111	ORCL	48.31	-3.91	(2.6)	(1.8)	25.6	1...	WDAY	103.75	0.12	(1.3)	(3.7)	56.6
32	CREE	39.13	2.79	12.5	10.2	48.3	72	35.96	0.17	0.6	3.5	40.4	1...	PANW	147.00	1.24	2.3	6.1	17.8	1...	WDC	81.76	-1.25	0.2	(10.9)	20.1
33	CRM	105.47	1.18	2.0	(0.7)	54.1	73	216.55	2.63	(0.5)	5.1	69.1	1...	PCLN	768.59	2.28	1.4	6.0	20.0	1...	WMT	97.03	-0.02	0.6	6.6	40.5
34	CSCO	38.23	0.76	1.5	12.2	26.4	74	25.00	1.20	5.3	4.8	(20.4)	1...	PEP	119.22	1.01	2.3	3.0	13.9	1...	WYNN	166.03	0.62	4.1	8.1	91.9
35	CTRP	44.10	1.00	2.4	(2.8)	10.0	75	16.06	1.00	2.4	7.7	8.3	1...	PFE	37.20	1.99	4.1	5.1	14.5	1...	X	31.85	0.38	(4.2)	19.4	(3.5)
36	CTSH	72.08	0.37	0.4	(3.9)	28.6	76	44.51	2.92	2.8	(2.8)	22.9	1...	PG	91.89	0.97	1.7	3.4	9.3	1...	XHB	43.28	0.55	(0.8)	4.8	27.9
37	CTXS	87.53	0.55	(0.1)	2.4	23.1	77	152.60	1.41	0.5	4.1	12.9	1...	QCOM	64.81	0.09	0.8	(1.9)	(0.7)	1...	XLE	68.84	-0.76	(0.8)	0.9	(8.8)
38	CVX	119.74	0.17	(0.2)	2.4	1.7	78	135.53	0.02	(2.5)	1.0	24.3	1...	QQQ	157.98	1.12	1.9	2.9	33.1	1...	XLF	27.87	0.43	(0.7)	6.5	19.6
39	CYBR	43.60	1.38	(1.0)	(1.8)	(4.2)	79	142.46	0.57	1.3	2.1	23.7	1...	RDY	37.21	1.77	8.7	4.9	(17.8)	1...	XLI	74.57	0.16	(0.2)	5.5	19.8
40	DAL	56.09	1.52	4.9	14.7	14.0	80	28.40	-1.41	0.1	7.5	0.5	1...	RHT	128.78	2.06	2.8	3.4	84.8	1...	XLK	64.75	0.76	1.5	1.9	33.5

Happy Holidays!

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Trading Dragon Chart Patterns

by Suri Duddella

The Technical Analysis arena provides plenty of trading opportunities for traders in the form of patterns, cycles, and indicators. Successful pattern recognition and execution must consist of a strong framework and a well designed and tested rule based trading methodology. In this article, I would like to describe one of my favorite chart patterns called 'Dragon' with a pattern recognition framework and its trading rules.

One of the most powerful and basic pattern in Technical Analysis is 'Double Top' or 'Double Bottom.' Most traders are familiar with the concepts of 'Double Tops' and 'Double Bottoms' or 'M-Tops' and 'W-Bottoms.' However, all of these patterns have slight variations in its formations, rules and trading characteristics.

Markets rarely transition from bearish mode to bullish mode without going through a series of price action sequences to test support and resistance areas. Major market bottoms or market tops involve a series of turning points (Swing Highs in M-Tops or Swing Lows in W-Bottoms) followed by some congestion before picking a trend or counter-trend direction from prior moves. The Dragon pattern highlights these turning points (Swing Lows and Swing Highs) and provides a rule-based methodology for trading them. Dragon patterns are visible in all-time frames and all market instruments.

Dragon Framework

The Dragon (Bullish) pattern is similar to the 'W' pattern or the 'Double Bottom' pattern. Inverse Dragon patterns (Bearish) are similar to 'M' pattern. Bullish Dragon patterns usually form at market bottoms, and Bearish Dragon patterns form at the market tops. Dragon patterns work in all time frames and all market instruments. Here I will describe how a 'Bullish Dragon' is developed and traded. The rules for 'Bearish Dragon' are similar but in reverse direction.

Like most 'Double Bottom' patterns, Dragon patterns present excellent trading opportunities with great risk to reward ratios. The Dragon pattern starts with a 'Head' formation as price declines from the swing high level to a swing low to form the first leg of the Dragon. A quick reversal from this swing low (1st leg) on an attempted rally to 38-50% of prior swing forms a key swing high or 'hump' level. Another retracement from hump level forms second swing low (2nd leg). The completion of second swing low signals a potential dragon formation. These two swing lows (legs) usually form within 10-15% of the price difference. The price-action from second swing low should show key reversal bars or a divergence in any momentum based indicators. A spike in volume usually follows in the second leg. Trades are entered after completion of 2nd swing low (2nd leg) and targets are placed in the tail section of the Dragon pattern.



How to Trade a Bullish Dragon Pattern

Trade Entry

A trend line is drawn connecting the head of the Dragon to the middle swing high at hump level. After 2nd leg completion, when price closes above this trend line strong reversal price action or divergence in any momentum based oscillator indicators (like RSI), first trade entry (long) is entered. A more conservative trade long entry (second trade) is entered when price closes above the hump level.

Stop: A Stop is placed below the lowest low of two swing lows (legs).

Targets:

The first target range for a Bullish Dragon trade is set at 62-78% of swing range of head to 1st leg from the second leg level. A second target is set 100% of swing range and the third target range is set at 127-162% of the swing of the head to the 1st leg from the second leg. It may be best to trade these patterns with Trail Stops once price starts to rise towards target ranges.

Example

The following example shows Bullish Dragon formation in Monsanto (Weekly) MON chart from July 2015 to 2016. Here are some of the key points and how it is traded.

MON formed Dragon formation from October 2014 to May 2016.

MON formed a swing high to form the head of Dragon pattern (Feb. 2015)

In October 2015, MON made swing low to form Leg1 level at 84.27.

MON retraced about 43% into the prior swing to form Hump level at 100.62.

A second swing low (leg 2) was formed in March 2016.

A Trendline is drawn connecting Head and Swing High at Hump level.

Price closed above trendline to signal first long entry at 91.30 (April 2016).

A Stop was placed below the lowest low of legs.

First target is set at 62-79% (\$111-119) of head to leg1.

Second Long entry was triggered above Hump level (\$100.62).

The second target level is at \$128.5 (100%) of head to leg1.

The third target level is at \$140-156 (127-162%) of head to leg1.



Examples



Plato Algo. Performance Report (12/08/17)

Short/Medium Term, Not for Sale or Lease.

	Symbol	Last	suri Plato 12/15/17 5:16 PM					
			Long Date	Num Days	Long Entry	Stop	PL Pts	PL %
1	PLATO ALGO							
2	ADBE	177.53	01/06/2017	245	108.53	157.8	68.98	63.6
3	ADSK	108.40						
4	AMGN	177.04						
5	AMZN	1,178.17	10/27/2017	35	1,105.68	1,024.8	73.46	6.6
6	AVGO	265.78	04/21/2017	170	219.22	246.3	46.51	21.2
7	AXP(D)	98.52	06/09/2017	135	80.83	89.3	17.69	21.9
8	BA(D)	294.00	10/21/2016	300	137.05	244.9	156.89	114.5
9	BABA(D)	173.50	01/27/2017	230	104.67	164.0	68.88	65.8
10	BIDU	233.55	05/12/2017	155	188.08	222.4	45.40	24.1
11	BIIB	326.00	06/23/2017	125	284.56	300.5	43.38	15.2
12	C(D)	74.77	08/05/2016	355	45.83	69.3	28.94	63.1
13	CELG	109.70						
14	CMG(D)	312.12						
15	CVX(D)	119.73	03/11/2016	460	96.24	112.5	23.49	24.4
16	EBAY	38.37	12/15/2017	0	38.52	37.2	-0.15	(0.4)
17	FB	179.96	01/13/2017	240	129.37	167.7	50.81	39.3
18	FDX(D)	240.05	06/02/2017	140	204.99	214.5	35.06	17.1
19	GLD(D)	119.18						
20	GOOG	1,064.00	09/29/2017	55	959.89	960.4	104.30	10.9
21	GS(D)	257.17	09/22/2017	60	232.20	231.5	24.97	10.8
22	HD(D)	182.58	09/08/2017	70	160.79	160.6	21.79	13.6
23	IBM(D)	152.50	10/20/2017	40	162.58	148.9	-10.08	(6.2)
24	INTC	44.51	08/04/2017	95	36.77	39.6	7.79	21.2
25	JPM(D)	106.14	06/30/2017	120	92.75	94.7	13.39	14.4
26	MA(D)	153.40	08/05/2016	355	97.04	138.6	56.36	58.1
27	MCD(D)	174.06	11/18/2016	280	120.34	159.8	53.72	44.6
28	MS(D)	53.10	09/22/2017	60	48.59	47.2	4.51	9.3
29	MSFT	86.90	07/22/2016	365	56.94	76.8	29.91	52.5
30	NFLX	190.00	12/02/2016	270	121.08	177.8	69.04	57.0
31	NVDA	191.70	05/12/2017	155	130.53	175.7	61.03	46.8
32	ORCL(D)	48.33	12/09/2016	265	40.87	47.8	7.43	18.2
33	QQQ	157.98	01/06/2017	245	122.35	146.4	35.30	28.9
34	SPY(D)	267.02	11/11/2016	285	218.41	251.6	48.10	22.0
35	TSLA	342.99						
36	V(D)	113.82	01/06/2017	245	82.59	104.3	31.23	37.8
37	VRSN	115.03	10/28/2016	295	87.08	104.7	27.95	32.1
38	WMT(D)	97.11	02/24/2017	210	72.90	84.6	24.21	33.2
39	WYNN	166.03	01/27/2017	230	104.15	141.5	61.88	59.4
40	XLK(D)	64.75	11/25/2016	275	48.17	59.7	16.39	34.0

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Monty Algo. Performance (12/08/2017)

Long Term, NOT for Lease or Sale

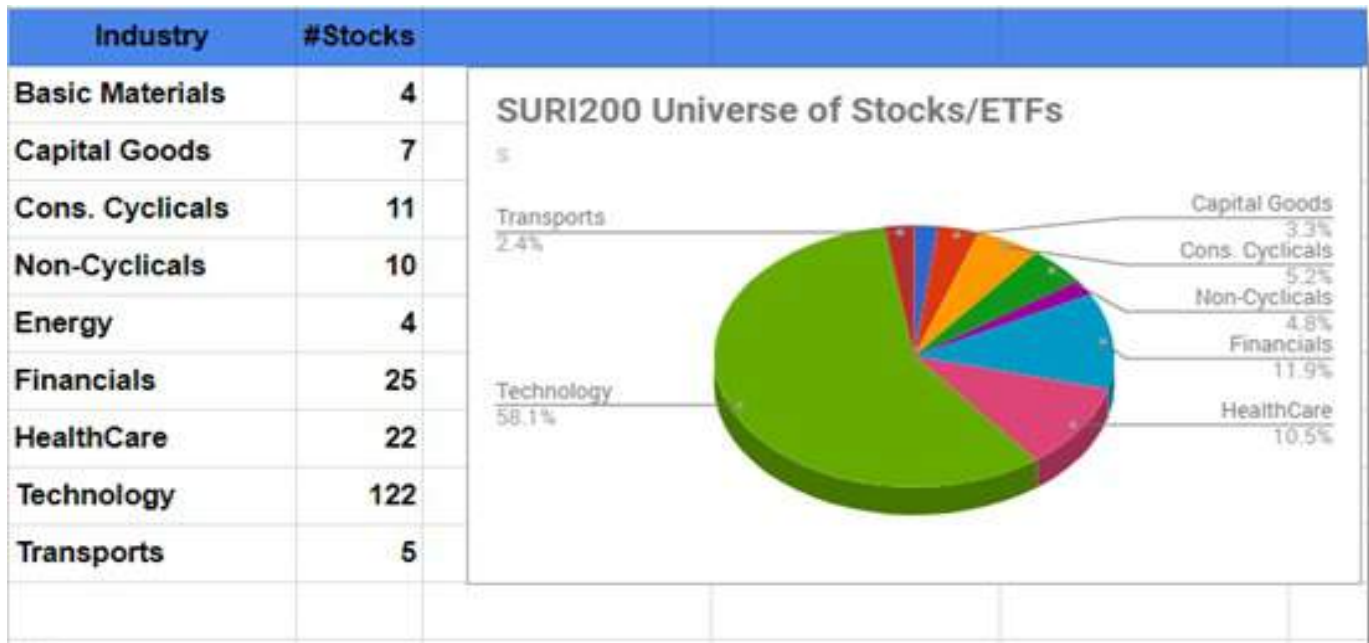
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	Symbol	Last	Trend	Days	Signal Date	Signal	TrailStop	PL%
1	NVDA	191.70	Bullish	1,690	04/30/2013	Long above 14	140.56	1,333.64
2	AVGO	265.78	Bullish	1,537	09/30/2013	Long above 44	225.68	531.68
3	ADBE	177.53	Bullish	2,116	02/29/2012	Long above 34	137.48	433.74
4	COST	192.73	Bullish	2,633	09/30/2010	Long above 47	154.84	292.40
5	AMZN	1,178.17	Bullish	1,050	01/30/2015	Long above 360	919.97	226.88
6	NFLX	190.00	Bullish	1,050	01/30/2015	Long above 66	158.44	184.21
7	V(D)	113.82	Bullish	1,810	12/31/2012	Long above 39	95.35	188.69
8	QQQ	157.98	Bullish	2,145	01/31/2012	Long above 61	137.22	154.34
9	BABA(D)	173.45	Bullish	595	04/29/2016	Long above 82	137.77	115.95
10	FB	179.95	Bullish	1,050	01/30/2015	Long above 80	153.49	121.47
11	ADSK	108.40	Bullish	471	08/31/2016	Long above 70	98.63	56.71
12	BA(D)	294.00	Bullish	410	10/31/2016	Long above 147	207.42	88.30
13	MS(D)	53.10	Bullish	471	08/31/2016	Long above 33	43.40	56.39
14	MSFT	86.96	Bullish	777	10/30/2015	Long above 55	69.80	53.04
15	GOOG	1,061.21	Bullish	868	07/31/2015	Long above 679	894.80	50.43
16	JPM(D)	106.14	Bullish	471	08/31/2016	Long above 68	87.44	53.71
17	MA(D)	153.40	Bullish	441	09/30/2016	Long above 103	123.63	46.09
18	C(D)	74.77	Bullish	410	10/31/2016	Long above 51	63.62	48.04
19	XLK(D)	64.75	Bullish	777	10/30/2015	Long above 45	55.26	41.87
20	FDX(D)	240.05	Bullish	624	03/31/2016	Long above 165	201.35	40.28
21	GS(D)	257.17	Bullish	410	10/31/2016	Long above 179	217.64	38.35
22	MCD(D)	174.06	Bullish	318	01/31/2017	Long above 124	145.87	38.69
23	AXP(D)	98.52	Bullish	380	11/30/2016	Long above 74	81.76	32.04
24	BIDU	233.55	Bullish	231	04/28/2017	Long above 189	199.86	26.23
25	TSLA	343.16	Bullish	318	01/31/2017	Long above 259	291.78	19.25
26	WYNN	166.03	Bullish	259	03/31/2017	Long above 117	124.99	35.11
27	VRSN	115.03	Bullish	290	02/28/2017	Long above 86	94.35	33.84
28	ORCL(D)	48.30	Bullish	563	05/31/2016	Long above 41	45.89	19.66
29	SPY(D)	267.02	Bullish	563	05/31/2016	Long above 211	240.21	25.60
30	HD(D)	182.58	Bullish	350	12/30/2016	Long above 138	148.78	30.30
31	CMG(D)	312.12	Bearish	137	07/31/2017	Short below 336	380.49	9.41
32	EBAY	38.37	Bullish	504	07/29/2016	Long above 32	33.64	8.34
33	INTC	44.51	Bullish	77	09/29/2017	Long above 39	35.56	14.97
34	WMT(D)	97.11	Bullish	231	04/28/2017	Long above 76	75.61	27.93
35	CELG	109.41	Bearish	45	10/31/2017	Short below 94	114.67	0.00
36	BIIB	326.00	Bullish	106	08/31/2017	Long above 317	282.95	1.63
37	AMGN	177.04	Bullish	290	02/28/2017	Long above 179	163.88	-1.87
38	CVX(D)	119.73	Bullish	77	09/29/2017	Long above 119	107.37	-0.01
39	IBM(D)	152.50	Bearish	198	05/31/2017	Short below 149	160.07	-3.34
40	GLD(D)	119.18	Bullish	106	08/31/2017	Long above 126	118.21	-3.89
41								
42								

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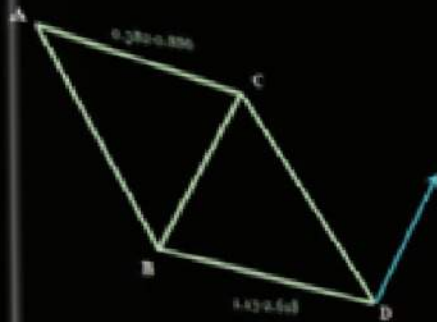


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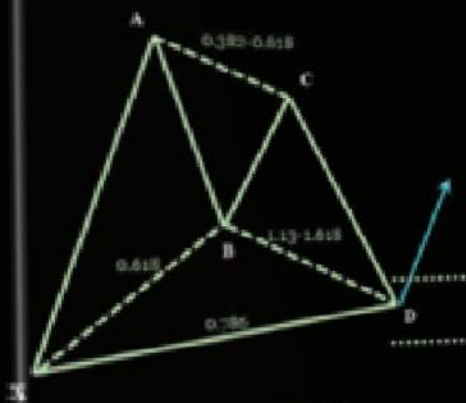
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1	Equities/ETFs		47	IBB	Financial	93	IMAX	Services	139	DDD	Technology	185	UBNT	Technology
2	FCX	Basic Materials	48	ICE	Financial	94	JCP	Services	140	EQIX	Technology	186	ULTI	Technology
3	IP	Basic Materials	49	IFN	Financial	95	JWN	Services	141	FARO	Technology	187	VMW	Technology
4	SHW	Basic Materials	50	IIF	Financial	96	LULU	Services	142	FB	Technology	188	VRSN	Technology
5	X	Basic Materials	51	JPM	Financial	97	LVS	Services	143	FEYE	Technology	189	WDAY	Technology
6	BA	Capital Goods	52	MA	Financial	98	M	Services	144	FFIV	Technology	190	WDC	Technology
7	CAT	Capital Goods	53	MS	Financial	99	MCD	Services	145	FSLR	Technology	191	XONE	Technology
8	GD	Capital Goods	54	QQQ	Financial	100	NFLX	Services	146	GOOG	Technology	192	AAL	Transportation
9	GE	Capital Goods	55	SPY	Financial	101	NTES	Services	147	GRMN	Technology	193	DAL	Transportation
10	HON	Capital Goods	56	XHB	Financial	102	PCLN	Services	148	IBM	Technology	194	FDX	Transportation
11	LMT	Capital Goods	57	XLI	Financial	103	SBUX	Services	149	ILMN	Technology	195	UAL	Transportation
12	XLF	Capital Goods	58	XLK	Financial	104	SHLD	Services	150	INFY	Technology	196	UPS	Transportation
13	COH	Consumer Cyclical	59	XLU	Financial	105	TGT	Services	151	INTC	Technology	197	OIL	
14	DECK	Consumer Cyclical	60	XLV	Financial	106	TJX	Services	152	JBL	Technology	198	SODA	
15	F	Consumer Cyclical	61	XRT	Financial	107	TRIP	Services	153	JNPR	Technology	199	XLE	
16	FOSL	Consumer Cyclical	62	ABBV	Healthcare	108	ULTA	Services	154	KLAC	Technology	200	Futures	
17	GM	Consumer Cyclical	63	ALNY	Healthcare	109	URBN	Services	155	LOGM	Technology	201	@CC	Basic Materials
18	GPRO	Consumer Cyclical	64	ALXN	Healthcare	110	V	Services	156	MCHP	Technology	202	@BP	Energy
19	KORS	Consumer Cyclical	65	AMGN	Healthcare	111	VZ	Services	157	MELI	Technology	203	@C	Financial
20	NKE	Consumer Cyclical	66	BIIB	Healthcare	112	WAGE	Services	158	MLNX	Technology	204	@LC	Financial
21	RL	Consumer Cyclical	67	BMY	Healthcare	113	WBA	Services	159	MSFT	Technology	205	@NQ	Financial
22	SFLY	Consumer Cyclical	68	CELG	Healthcare	114	WMT	Services	160	MSTR	Technology	206	@ES	Utilities
23	TSLA	Consumer Cyclical	69	GILD	Healthcare	115	WYNN	Services	161	MU	Technology	207	@CD	
24	WHR	Consumer Cyclical	70	GWPH	Healthcare	116	YELP	Services	162	MXIM	Technology	208	@DX	
25	BUD	Consumer/Non-Cyclical	71	IDXX	Healthcare	117	YUM	Services	163	NOC	Technology	209	@EC	
26	KO	Consumer/Non-Cyclical	72	INCY	Healthcare	118	AAPL	Technology	164	NTAP	Technology	210	@FC	
27	MNST	Consumer/Non-Cyclical	73	ISRG	Healthcare	119	ADBE	Technology	165	NVDA	Technology	211	@GC	
28	MO	Consumer/Non-Cyclical	74	JAZZ	Healthcare	120	ADSK	Technology	166	NXPI	Technology	212	@GC	
29	MON	Consumer/Non-Cyclical	75	JNJ	Healthcare	121	AKAM	Technology	167	OLED	Technology	213	@HG	
30	PEP	Consumer/Non-Cyclical	76	LLY	Healthcare	122	AMAT	Technology	168	ORCL	Technology	214	@JY	
31	PG	Consumer/Non-Cyclical	77	MRK	Healthcare	123	AMBA	Technology	169	OSIS	Technology	215	@KC	
32	PM	Consumer/Non-Cyclical	78	PFE	Healthcare	124	ATHN	Technology	170	PANW	Technology	216	@NK	
33	TSCO	Consumer/Non-Cyclical	79	RDY	Healthcare	125	AVGO	Technology	171	QCOM	Technology	217	@QM	
34	APA	Energy	80	REGN	Healthcare	126	BIDU	Technology	172	QRVO	Technology	218	@RR	
35	CVX	Energy	81	TARO	Healthcare	127	CAVM	Technology	173	RHT	Technology	219	@RTY	
36	AMTD	Financial	82	TEVA	Healthcare	128	CERN	Technology	174	SAP	Technology	220	@SF	
37	AXP	Financial	83	UTRH	Healthcare	129	CHKP	Technology	175	SINA	Technology	221	@SI	
38	BAC	Financial	84	AMZN	Services	130	CRAY	Technology	176	SOHU	Technology	222	@TF	
39	C	Financial	85	BWLD	Services	131	CREE	Technology	177	SPLK	Technology	223	FX	
40	GME	Financial	86	CBS	Services	132	CRM	Technology	178	SSYS	Technology	224	EURUSD	
41	DIA	Financial	87	CMG	Services	133	CRUS	Technology	179	STX	Technology	225	GBPUSD	
42	FAS	Financial	88	COST	Services	134	CSCO	Technology	180	SWKS	Technology	226	NZDUSD	
43	FAZ	Financial	89	CTRP	Services	135	CTSH	Technology	181	SYMC	Technology	227	USDCHF	
44	FXI	Financial	90	DIS	Services	136	CTXS	Technology	182	TSM	Technology	228	USDJPY	
45	GLD	Financial	91	ESRX	Services	137	CYBR	Technology	183	TWTR	Technology	229		
46	GS	Financial	92	EXPE	Services	138	DATA	Technology	184	TXN	Technology			

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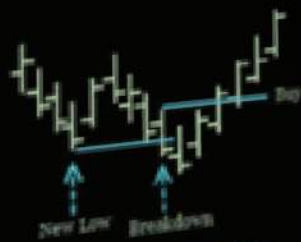




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