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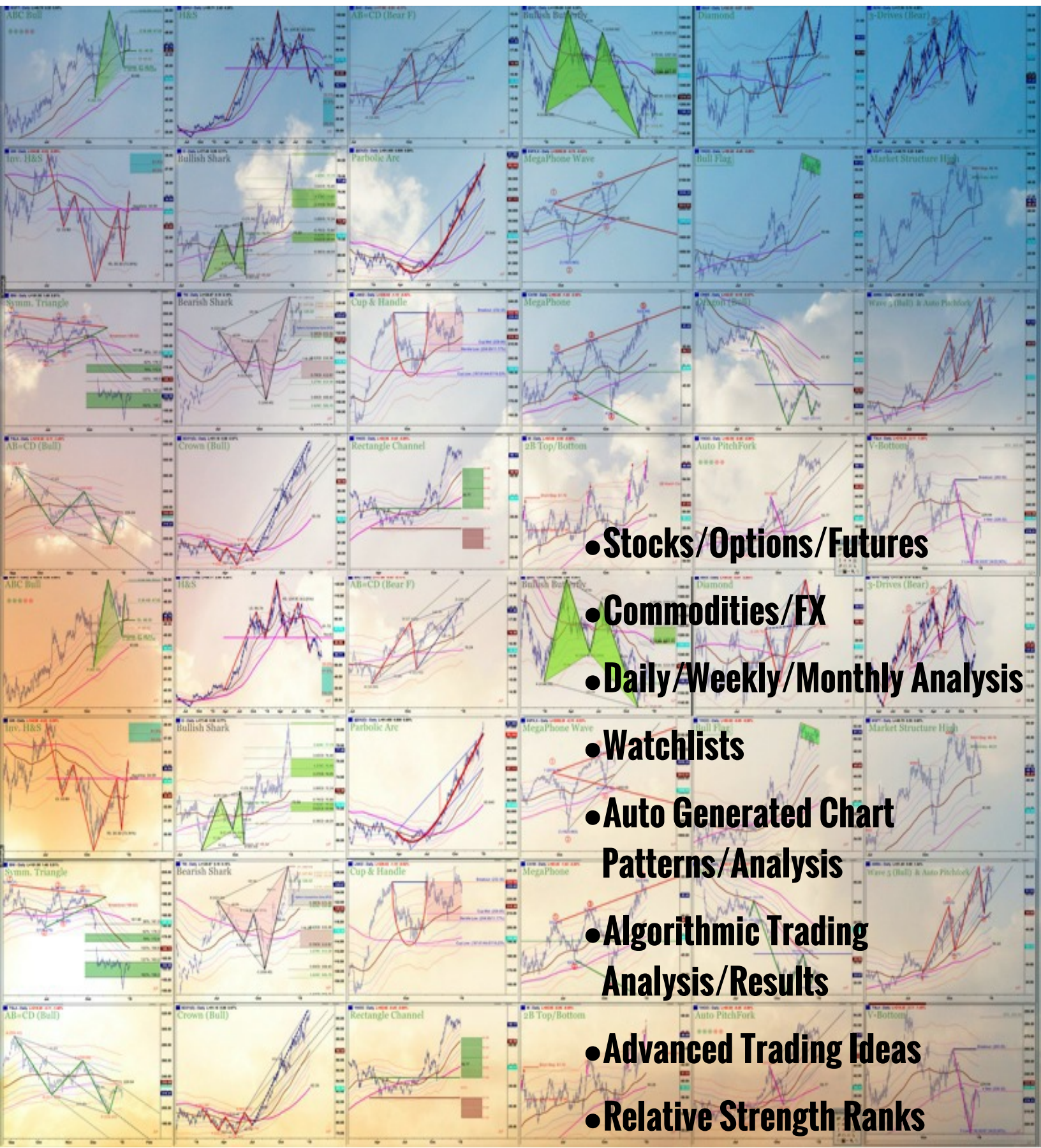
- Stocks/Options/Futures
- Commodities/FX
- Daily/Weekly/Monthly Analysis
- Watchlists
- Auto Generated Chart Patterns/Analysis
- Algorithmic Trading Analysis/Results
- Advanced Trading Ideas
- Relative Strength Ranks

Chart Patterns & Algorithmic Trader 2017 ALL RIGHTS RESERVED

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Major Markets
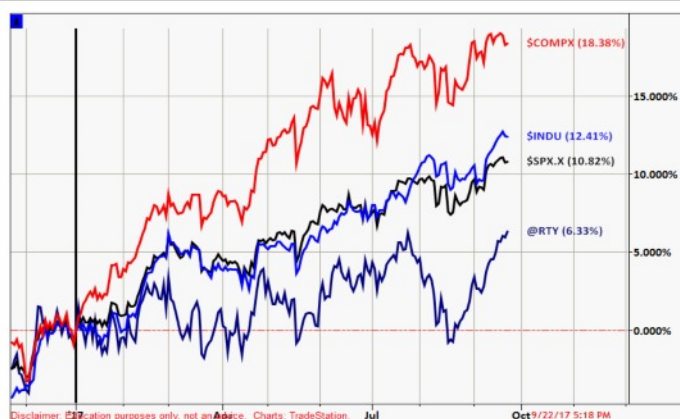
	Symbol	Last	Net Chg	suri.Chg%			
				1D%	W%	M%	YTD%
1	$COMPX	6,426.92	4.23	0.07	(0.33)	2.06	18.46
2	$SPX.X	2,502.22	1.62	0.06	0.08	2.03	11.13
3	$INDU	22,349.59	-9.64	(0.04)	0.36	2.05	12.46
4	$TRAN	9,704.38	35.39	0.36	1.66	5.47	6.86
5	@RTY	1,450.70	5.30	0.37	1.27	5.88	6.78
6	@GC(D)	1,300.5	5.7	0.44	(1.86)	0.7	11.46
7	@QM(D)	50.625	0.075	0.15	0.35	3.422	(12.07)
8	@SI(D)	17.035	0.017	0.10	(3.76)	-0.205	4.79
9	@US(D)	154 12/3	16/3	0.32	(0.42)	0	5.40
10	@TY(D)	125'26.5	0'06.5	0.16	(0.38)	-0'12.0	2.30

Disclaimer: Education purposes only, not an advice. Charts: TradeStation.
9/22/17 5:17 PM

Patterns Gallery

	Updated: 09/22/17
Pattern Name	Symbols
ABC Bullish	AMCX,CELG,INTC,GLD,PFE,LVS,SPLK
ABC Bearish	WDC,DIS,SOHU,SHW
AB=CD	KLAC,AMGN
Gartleys (all X5)	TRAN,IYT,SBUX,GWPH,NKE,PG
Head and Shoulders	AMZN,CBS,PZZA
Inv. Head and Shoulders	BMY,BIIB,INTC,TSCO,SFUN,CL,QM
Cup and Handles	AMTD,CERN,CME,MU,JPM,SWKS,AMGN
Parabolic Arcs	ADBE,NVDA,BWLD,EFX,ULTA,CMG
Channels	INFY,MRK,NKE,RL
Triangles	ADSK,AMAT,AMD,BIDU
Double Top and Bottom	GOLD,CREE,CRUS,ESRX,NTAP
Dragons	CVX,SBUX,MO,AXP,ETFC,C

Disclaimer: Education purposes only. Not an advice.

Chart Patterns

Stocks/Options/Indexes

Nasdaq's Rising Wedge
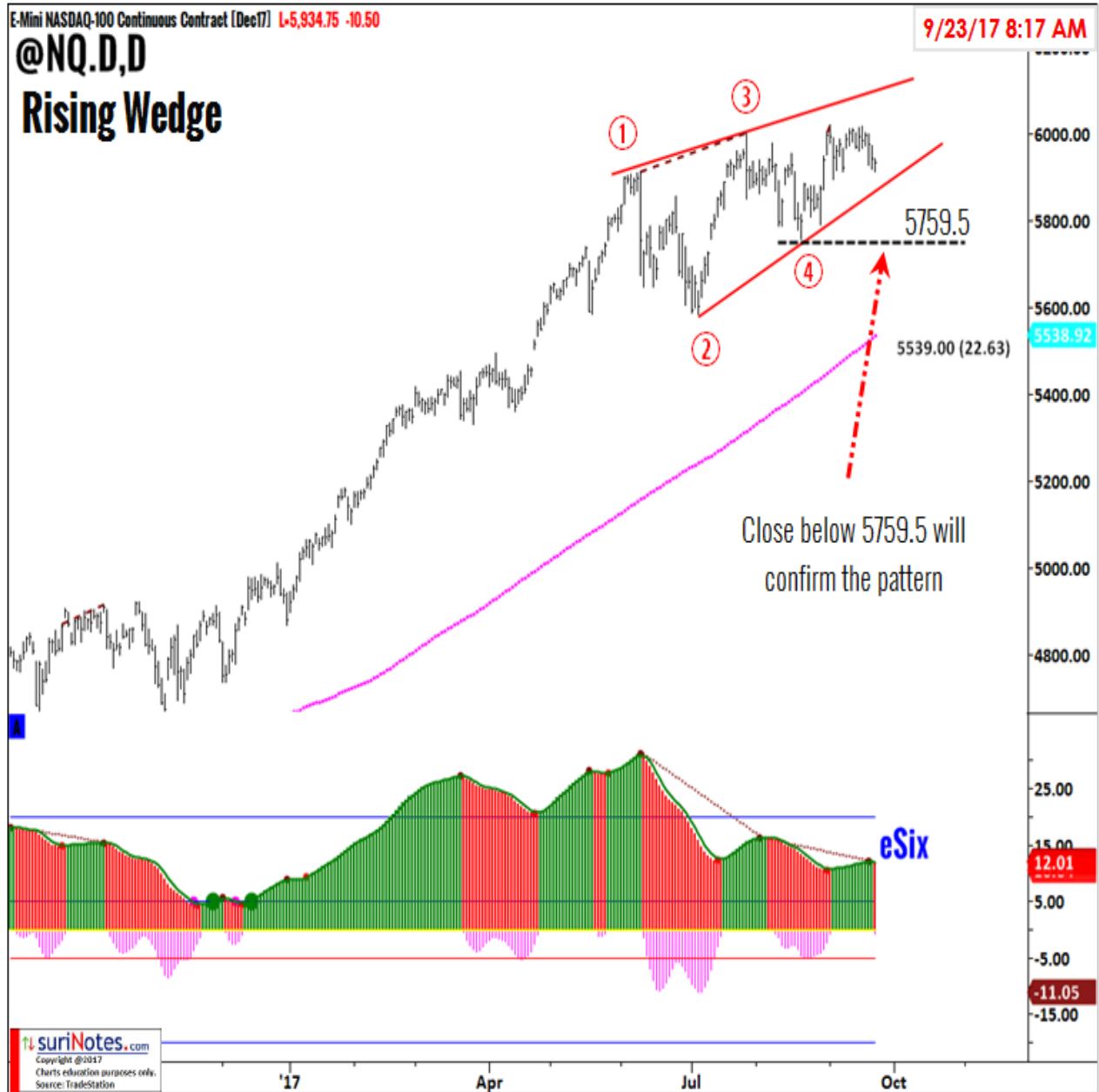
Nasdaq Emini Futures (@NQ.D) is trading in rising wedge pattern. This pattern is only confirmed if price trades below the last key pivot (5759.5).

TSLA 2B Top Pattern
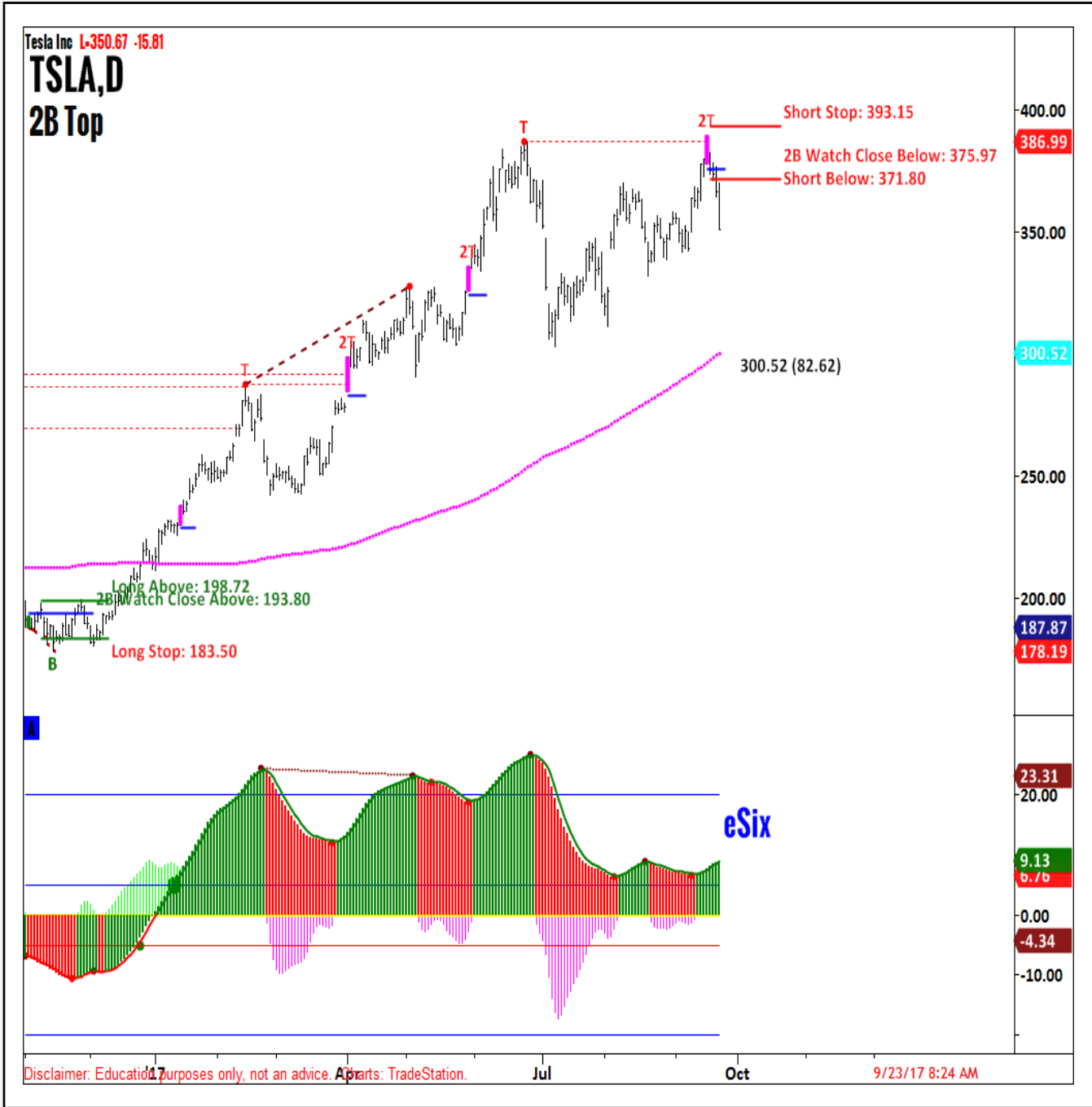
TSLA is forming 2B Top pattern first time in 2017. 2B trade entry is below 371. First target is previous pivot (331) before forming the second top. Second target is $304. Stop: $393.

AAPL Unfilled Gap

AAPL Daily chart shows last week's retracement followed by negative divergence in eSIX. Current Gap support is near $150.

CELG ABC Bullish Pattern

$CELG (D) ABC Bullish Pattern Long Entry above 129.02, Stop below 126.85 (-2.17), Target1 Zone: 142.5 to 146.8, Target2 Zone: 159.1 to 168.0

CVX ABC Bullish Pattern
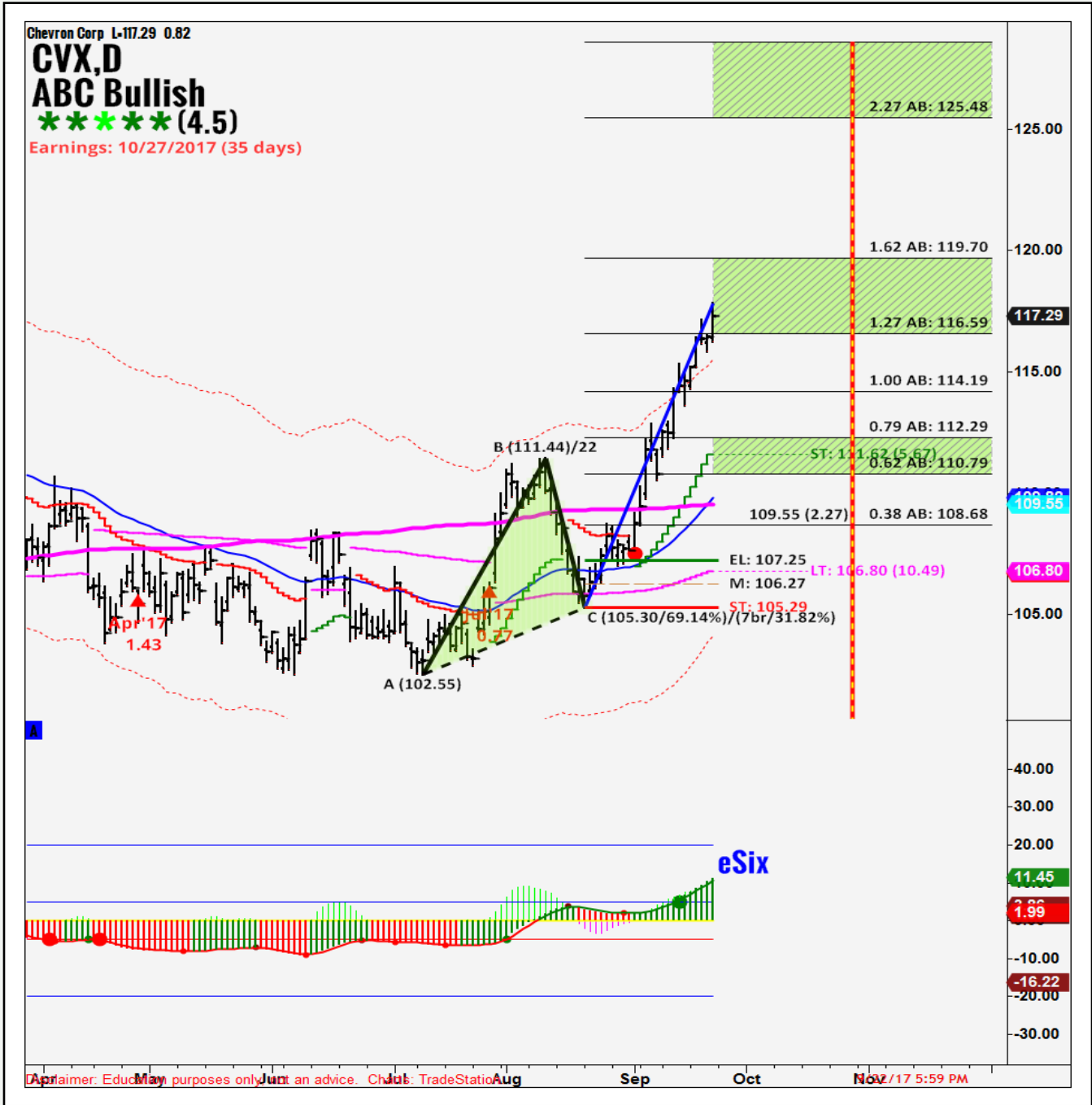
$CVX (D) ABC Bullish Pattern Long Entry above 107.25, Stop below 105.29 (-1.96), Target1 Zone: 110.8 to 112.3, Target2 Zone: 116.6 to 119.7

PFE ABC Bullish Pattern
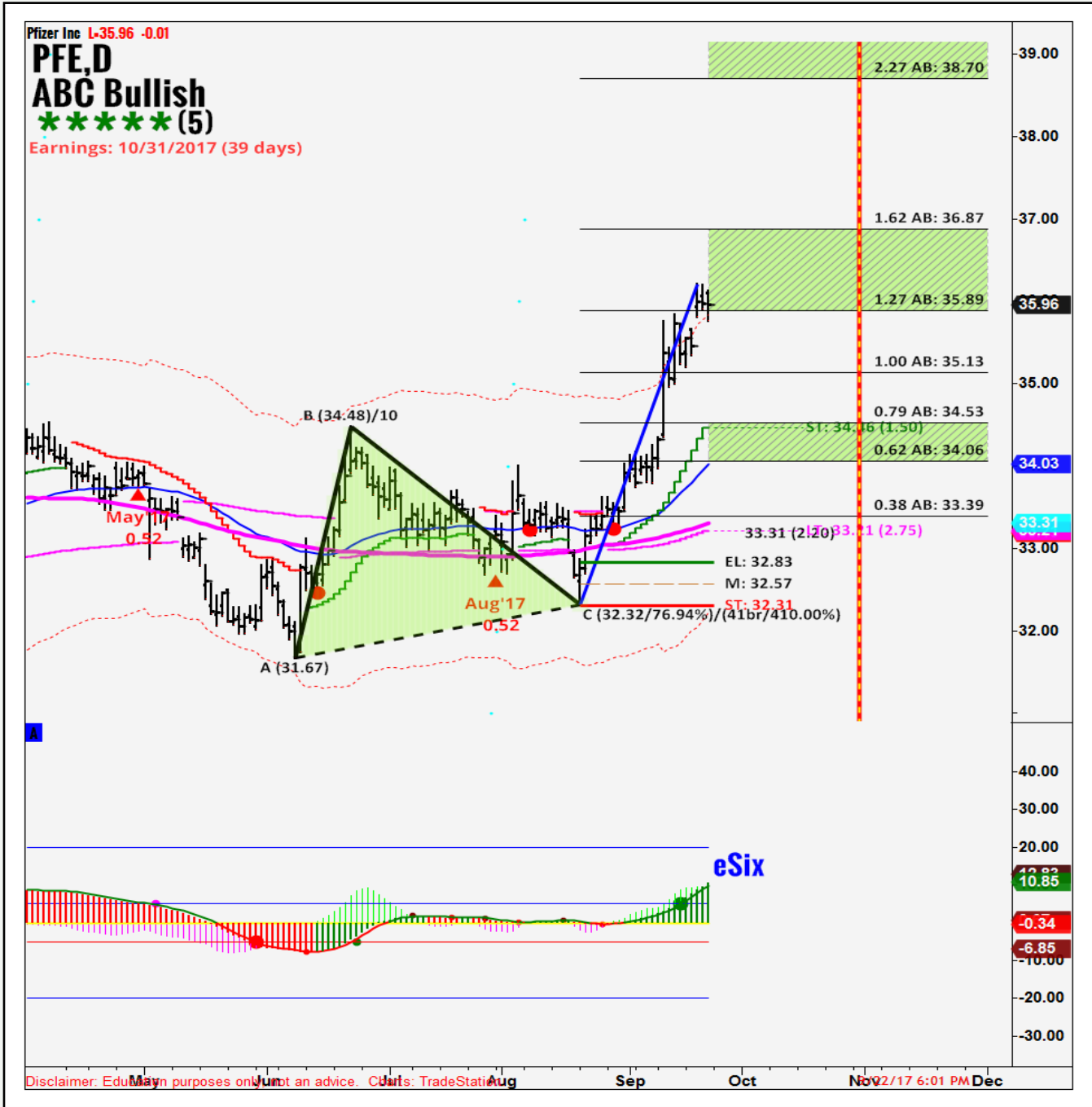
$PFE (D) ABC Bullish Pattern Long Entry above 32.83, Stop below 32.31 (-0.52), Target1 Zone: 34.1 to 34.5, Target2 Zone: 35.9 to 36.9

PFE Symm. Triangle Pattern

PFE is trading in Symmetric Triangle pattern. PFE breakout level is at $34. First Target range is $37-38.25.

IIF ABC Bullish Pattern

$IIF (W) ABC Bullish Pattern Long Entry above 25.04, Stop below 23.29 (-1.75), Target1 Zone: 28.4 to 29.8, Target2 Zone: 33.8 to 36.6

XLE ABC Bullish Pattern
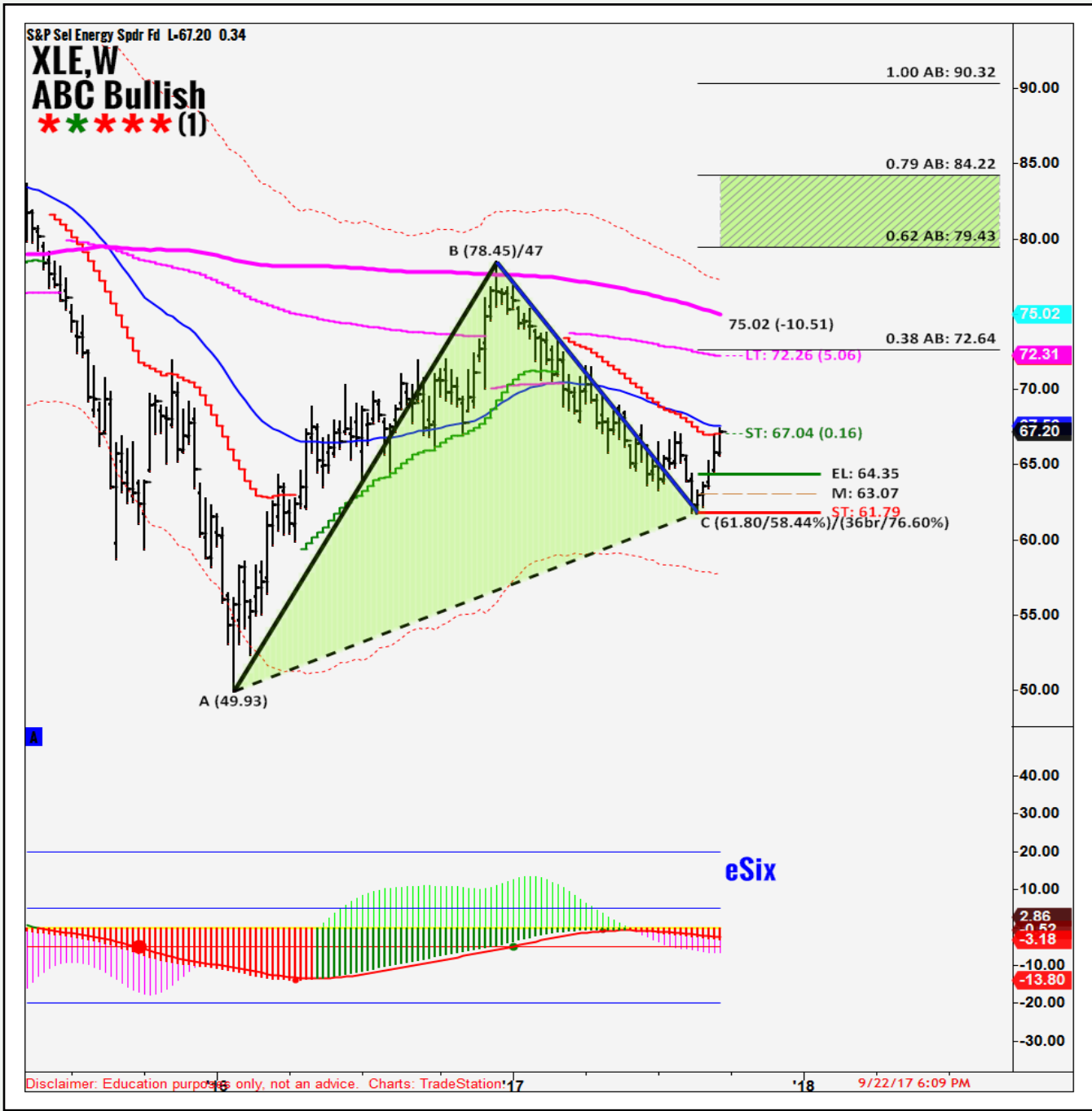
$XLE (W) ABC Bullish Pattern Long Entry above 64.35, Stop below 61.79 (-2.56), Target1 Zone: 79.4 to 84.2, Target2 Zone: 98.0 to 108.0

SPLK ABC Bullish Pattern
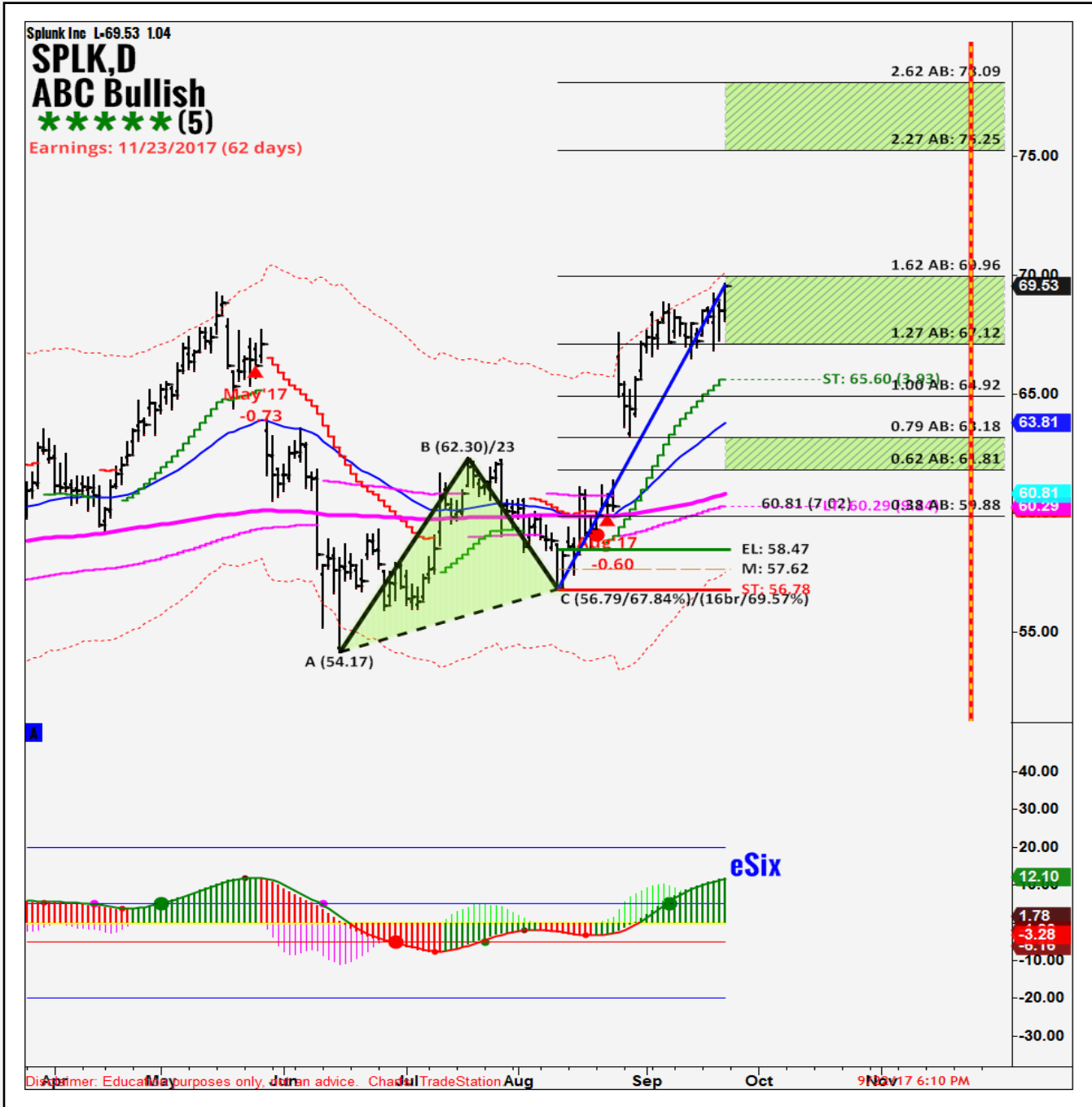
MS Cup & Handle Pattern
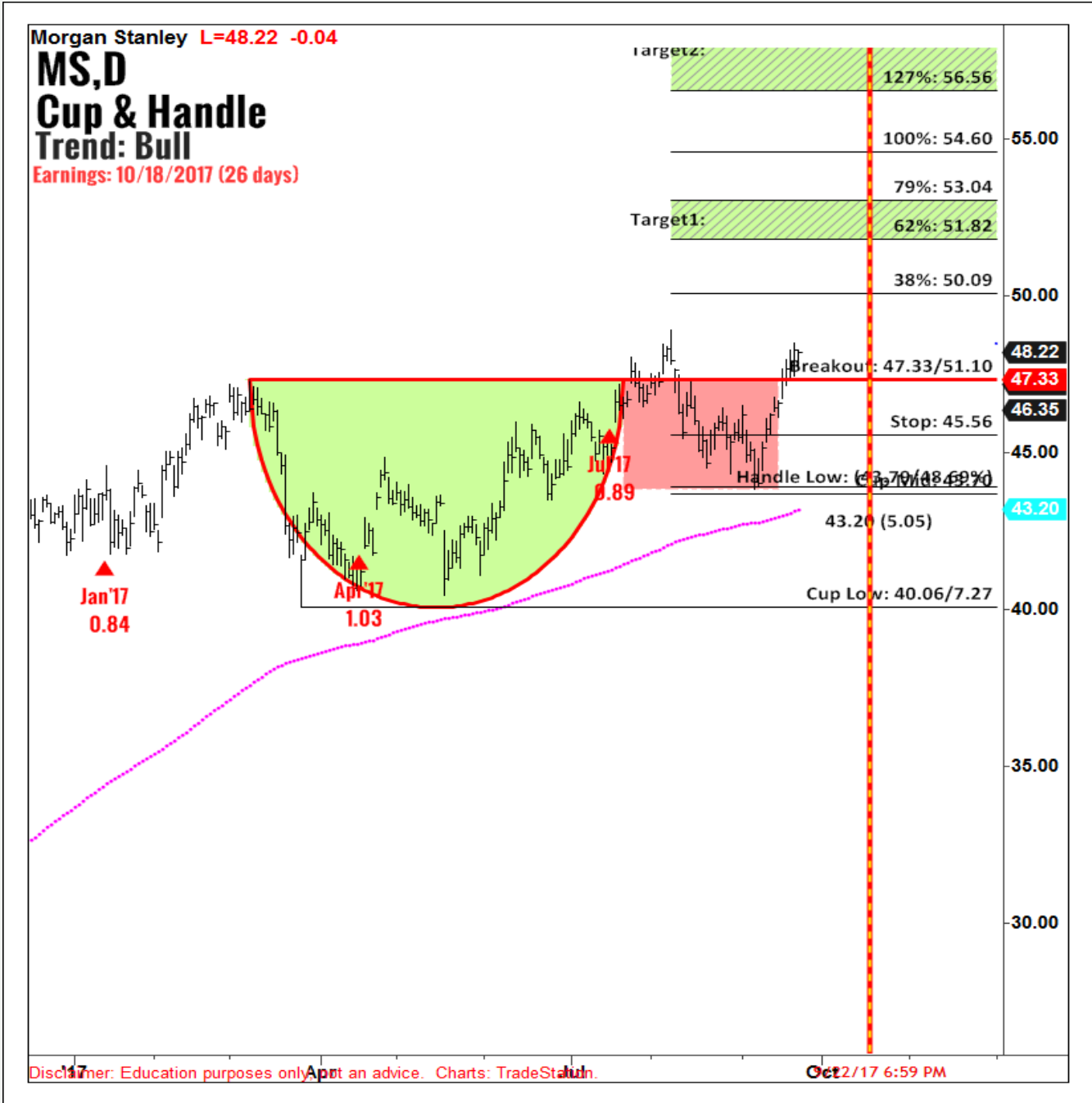
MS is trading in Cup & Handle Pattern. Entry above breakout level: 47.33, Handle Low: 43.79, 48.69% below breakout level. T1: 51.8 to 53.0, T2: 56.6 to 59.1

CERN Cup & Handle Pattern
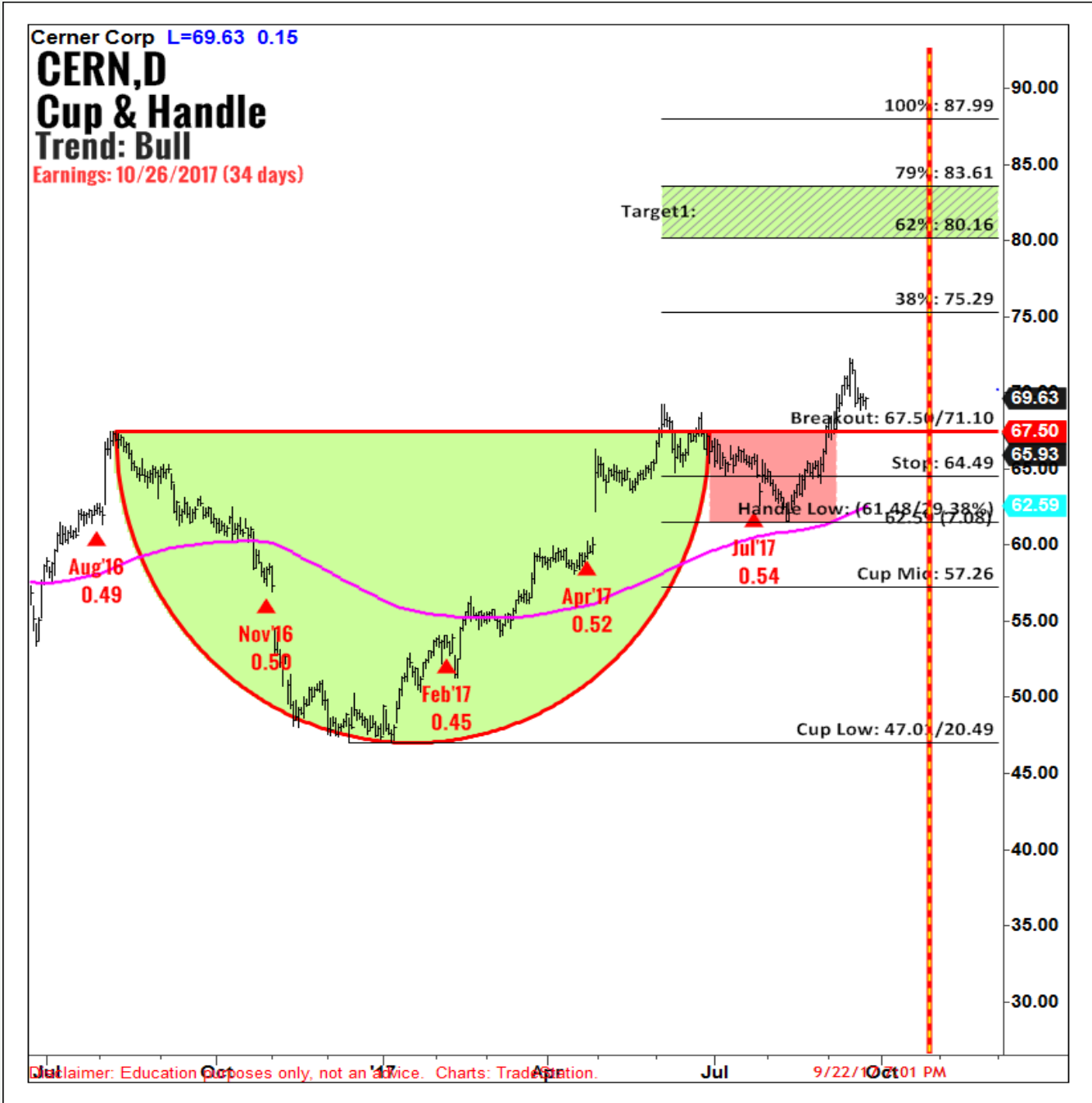
CERN is trading in Cup & Handle Pattern. Entry above breakout level: 67.50, Handle Low: 61.48, 29.38% below breakout level. T1: 80.2 to 83.6, T2: 93.5 to 100.7

Citibank (C) Dragon Pattern

Citigroup (Citi) is trading Dragon Bullish pattern. Dragon pattern long entry above $48. Targets $54-59, $71-81.

SOHU ABC Bearish Pattern
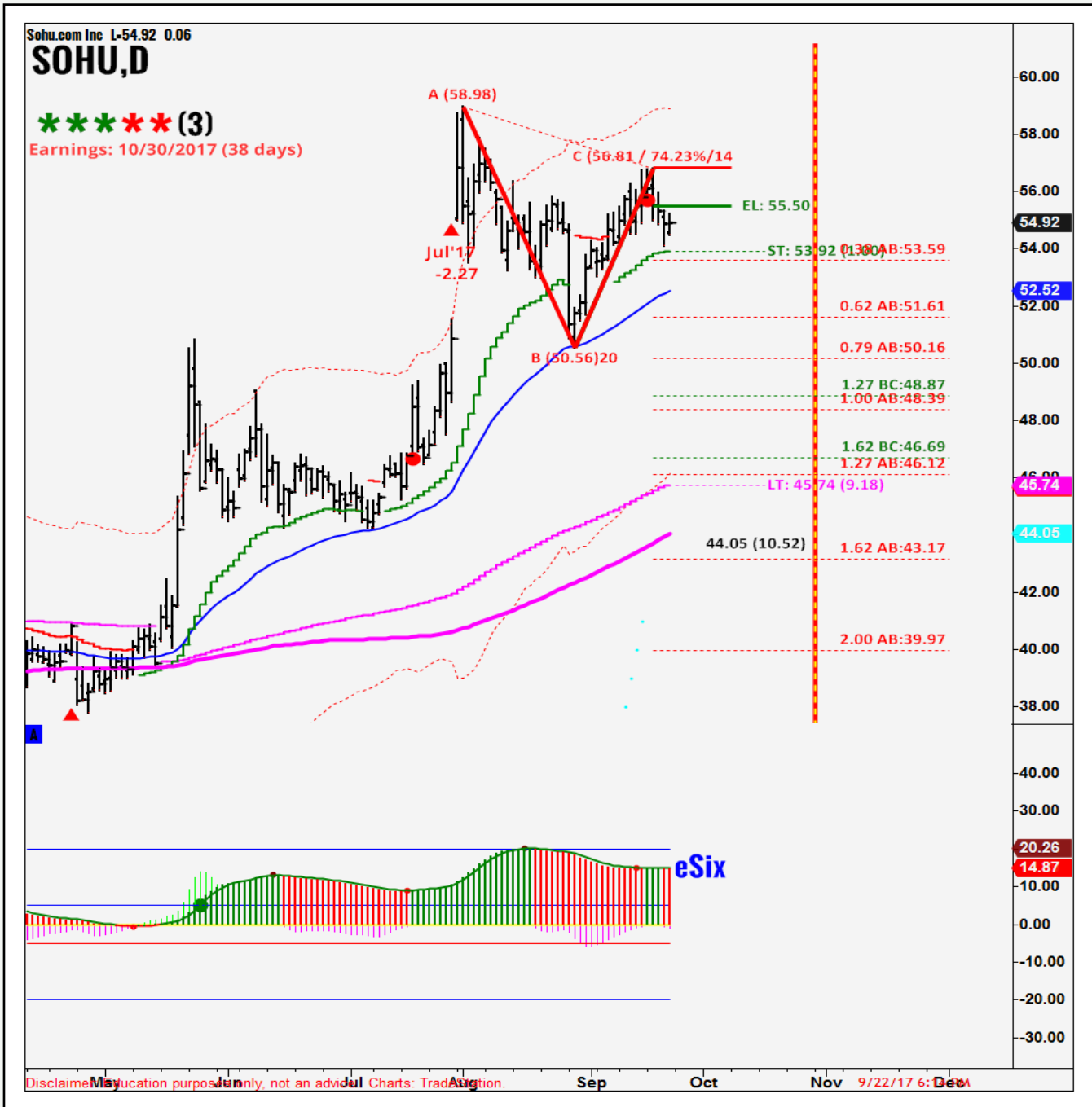
SOHU (Daily) is trading in ABC Bearish pattern. SOHU entry is below $55.50, Stop: $56.81. Target1 Zone: $50-51.6, Target2 Zone: $46-48.9

CBS Head and Shoulders Pattern

$CBS (D) HS Pattern. Short entry below 61.95, Stop above 65.35 (-3.40), Target1 Zone: 56.9 to 55.5, Target2 Zone: 51.6 to 48.7

CBS ABC Bearish Pattern
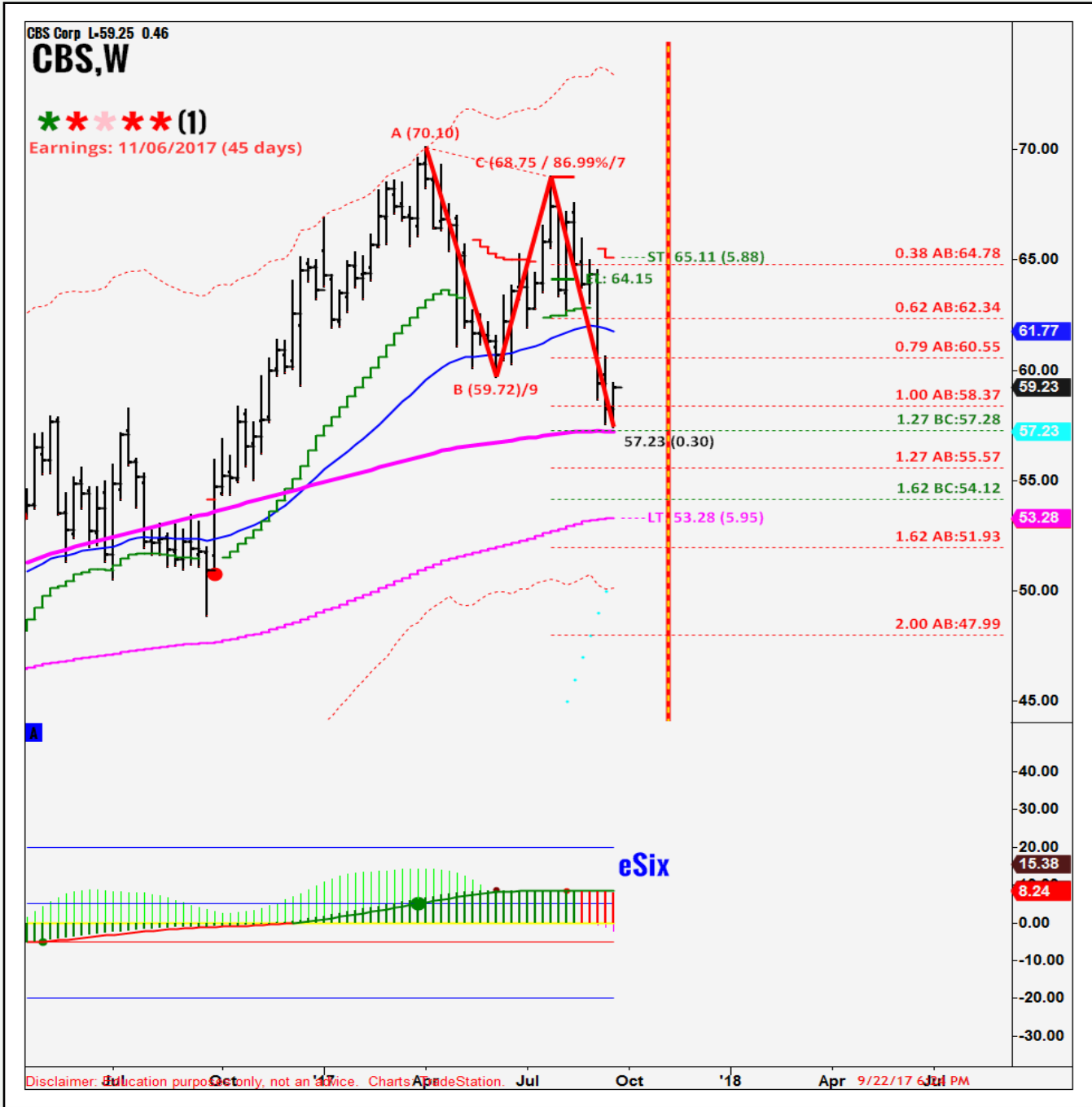
CBS (W) is trading in ABC Bearish Pattern. Entry below $64. Targets: $60-62, $52-55.

COH (W) Inv. HS Pattern

Coach Inc COH(D) - Weekly   L=39.95 0.34

COH,W
Inv. H&S

Target2
127%: 64.65
100%: 60.20
79%: 56.67
Target1
62%: 53.90
38%: 49.98
Neckline: 43.71/41.00
39.15 (-7.14)
RS: 34.07 (58.46%)
LS: 32.72
Head: 27.22

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COH (W) is trading in Inverse Head and Shoulders pattern. COH traded above neckline $43.71 to confirm the pattern. If COH trades below right-shoulder low, it is considered a failed pattern. 200 SMA support is at $39.15.

AMZN Head and Shoulders Pattern

Amazon.com Inc AMZN - Daily   L=952.00 -12.65

AMZN,D

Head: 1083.31

LS: 1017.00

RS: 1000.00 (37.03%)

Neckline: 951.00/34.00

976.17

955.10

38%: 900.72

909.78 (95.19)

909.78

62%: 869.23

Target1

79%: 847.00

100%: 818.69

127%: 782.97

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18.04

2.63

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AMZN (Daily) is trading in Head and Shoulders pattern. Price needs to close below neckline ($951) to confirm the chart pattern.

INTC Inv. HS Pattern

$INTC (D) Inv. HS Pattern. Long entry above 36.57, Stop below 35.48 (1.09), Target1 Zone: 38.6 to 39.2, Target2 Zone: 40.8 to 42.0

NKE Rectangle Channel Pattern

NKE (Daily) is trading in Rectangle channel pattern. Watch upper and lower trendline boundaries for potential breakouts.

RL Regression Channel

RL (W) is trading regression channel. Price closing above upper trendline signals a breakout.

ESRX Symm. Triangle Pattern

Express Scripts Hldg Co ESRX - Daily   **L=62.29 0.57**

ESRX is trading in Symmetric Triangle pattern. Price trading above or below upper and lower trend lines signals breakouts.

BIDU Symmetric Triangle Pattern

Baidu Inc BIDU - Daily L=240.80 1.88

BIDU,D
Symm. Triangle

162%: 242.54
240.57
Target2
127%: 229.14
100%: 218.81
219.78
79%: 210.63
Target1
62%: 204.20
① 1(197.80)
⑤ 5(193.74)
38%: 195.09
③ 3(188.54)
188.49 (37.70)
188.49
Breakout:180.55
④ 4(166.00)
2(159.544) ②

Disclaimer: Education purposes only, not advice. Charts: TradeStation.

9/22 Oct 6:53 PM
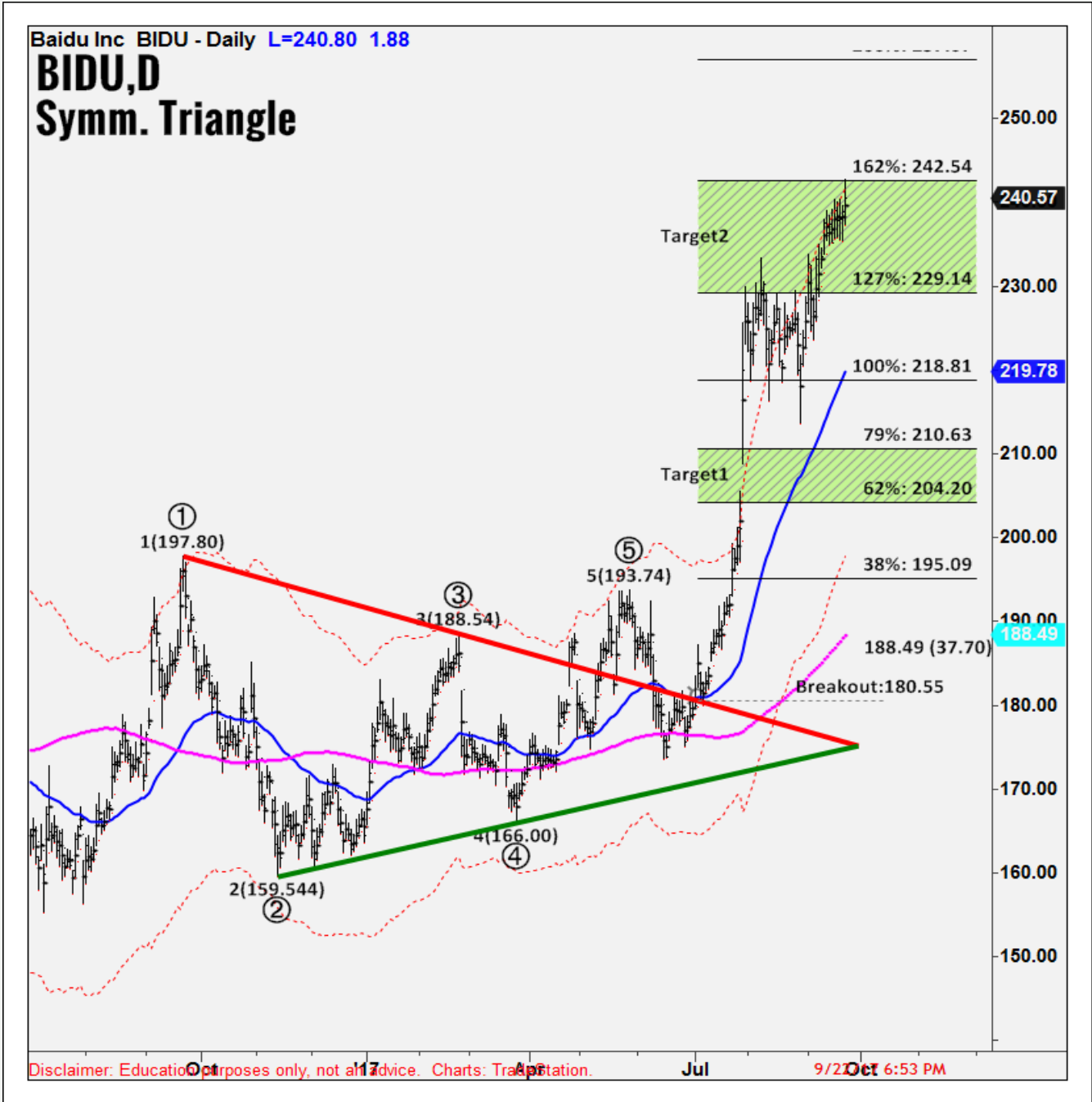
BIDU (Daily) Symmetric Triangle reached its second target zone (229-242) from its breakout level 180.55.

AMTD Cup & Handle Pattern

TD Ameritrade Hldg Corp   L=46.78 0.11

AMTD,D
Cup & Handle
Trend: cBull
Earnings: 10/17/2017 (25 days)

100%: 58.70

79%: 56.28

Target1:

62%: 54.39

38%: 51.70

Breakout: 47.41/71.10

Stop: 44.62

Handle Low: (41.83/49.42%)

41.24 (5.57)

Cup Low: 36.12/11.29

Jan'17
0.41

Jul'17
0.44

Apr'17
0.41

Oct'16
0.35

'16
.45

47.41
46.78

41.24

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9 Oct 17 6:55 PM

AMTD is trading in Cup & Handle Pattern. Entry above breakout level: 47.41, Handle Low: 41.83, 49.42% below breakout level. T1: 54.4 to 56.3, T2: 61.7 to 65.7

SYNT ABC Bullish Pattern

$SYNT (D) ABC Bullish Pattern Long Entry above 18.34, Stop below 17.77 (-0.57), Target1 Zone: 20.6 to 21.3, Target2 Zone: 23.5 to 25.1

Chart Patterns

Futures & Commodities
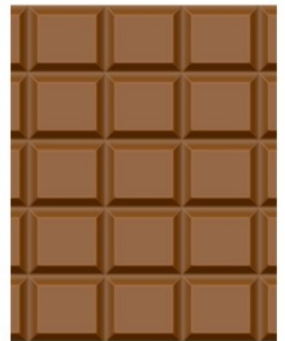
@SI (Silver Futures) Inv. HS Formation

@SI (Daily) is forming Inverse Head and Shoulders pattern. Price need to trade above Neckline 17.896 for pattern to be valid.

@SB (Sugar Futures) Double Bottom Pattern

@SB (Sugar Futures, Daily) is trading in Double Bottom pattern. Entry level: $13.54, Stop: $13.20. Targets: $14.42 to $14.82, $15.99-$16.84

@LC (Live Cattle) ABC Bearish Pattern

@LC (Daily) is trading in ABC Bearish pattern since April'17. Entry level is 122.800, Target1 zone: $115.675-118.1. @LC has reached its second Target Zone (127-162%): $104.

@QM (Emini Crude Oil) Inv. HS Pattern

@QM (Emini Crude Oil Futures, Daily) is trading in Inverse Head and Shoulders pattern. Price needs to close above neckline: $51.150 to confirm pattern.

@KC (Coffee) in ABC Bullish Pattern

$@KC (D) ABC Bullish Pattern Long Entry above 131.11, Stop below 126.70 (-4.41), Target1 Zone: 144.2 to 149.0, Target2 Zone: 162.6 to 172.5

Chart Patterns
FX

AUDJPY Cup & Handle Pattern

Aust Dollar / Japanese Yen   L=89.128 -0.109

AUDJPY,D
Cup & Handle
Trend: Bull

100%: 94.860
79%: 93.429
Target1:   62%: 92.305
38%: 90.713
Breakout: 89.019/51.10
Stop: 86.784
Handle Low: (85.396/54.164%)
Cup Mid: 84.827
85.356 (39.007)
Cup Low: 81.482/6.69

eSix

89.128
88.171
85.356
8.31

Disclaimer: Education purposes only, not an advice. Charts: TradeStation.

AUDJPY is trading in Cup & Handle Pattern. Entry above breakout level: 89.019, Handle Low: 85.396, 54.16% below breakout level. T1: 92.30 to 93.43 and T2: 96.67 to 99.01

AUDNZD Inv. HS Pattern

$AUDNZD (D) Inv. HS Pattern. Long entry above 1.08441, Stop below 1.07167 (0.01274), Target1 Zone: 1.1141 to 1.1222, Target2 Zone: 1.1455 to 1.1623

CHFJPY ABC Bullish Pattern

$CHFJPY (D) HS Pattern. Short entry below 112.559, Stop above 113.940 (-1.381), Target1 Zone: 108.83 to 107.81, Target2 Zone: 104.89 to 102.78

GBPAUD ABC Bullish Pattern

British Pound / Aust Dollar L=1.71210 0.00048

GBPAUD,D
ABC Bullish
★★★★★(5)

B (1.76498)/39

1.27 AB: 1.83795

1.00 AB: 1.79078

0.79 AB: 1.75339

0.62 AB: 1.72404

0.38 AB: 1.68245

LT: 1.67062 (0.0
1.66625 (12.05500)
ST: 1.64613 (0.0

EL: 1.62651
M: 1.62128
ST: 1.61605
C (1.61606/85.24%)/(77br/197.

A (1.59026)

eSix

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$CHFJPY (D) HS Pattern. Short entry below 112.559, Stop above 113.940 (-1.381), Target1 Zone: 108.83 to 107.81, Target2 Zone: 104.89 to 102.78

GBPJPY Rectangle Channel

GBPJPY (Daily) is rising from bottom in a Rectangle channel. Rectangle range is 138-148. Upside target range: 148.447 to 158.236.

NZDCHF ABC Bullish Pattern

New Zealand S / Swiss Franc L=0.70852 -0.00059

NZDCHF,D
ABC Bullish
★★★★★(3.5)

B (0.72905)/49

1.27 AB: 0.75722

1.00 AB: 0.74172

0.79 AB: 0.72943

0.62 AB: 0.71979

0.38 AB: 0.70612

0.70410 (-9.78500)

LT: 0.69716 (0.01195)
ST: 0.69423 (0.01488)
EL: 0.69159
M: 0.68794
ST: 0.68429

C (0.68430/77.94%)/(26br/53.06%)

A (0.67163)

eSix

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9/21/17 7:09 PM

$NZDCHF (D) Inv. HS Pattern (F). Long entry above 0.72905, Stop below 0.70667 (0.02238), Target1 Zone: 0.7645 to 0.7742, Target2 Zone: 0.8020 to 0.8221

SGDJPY Inv. HS Pattern
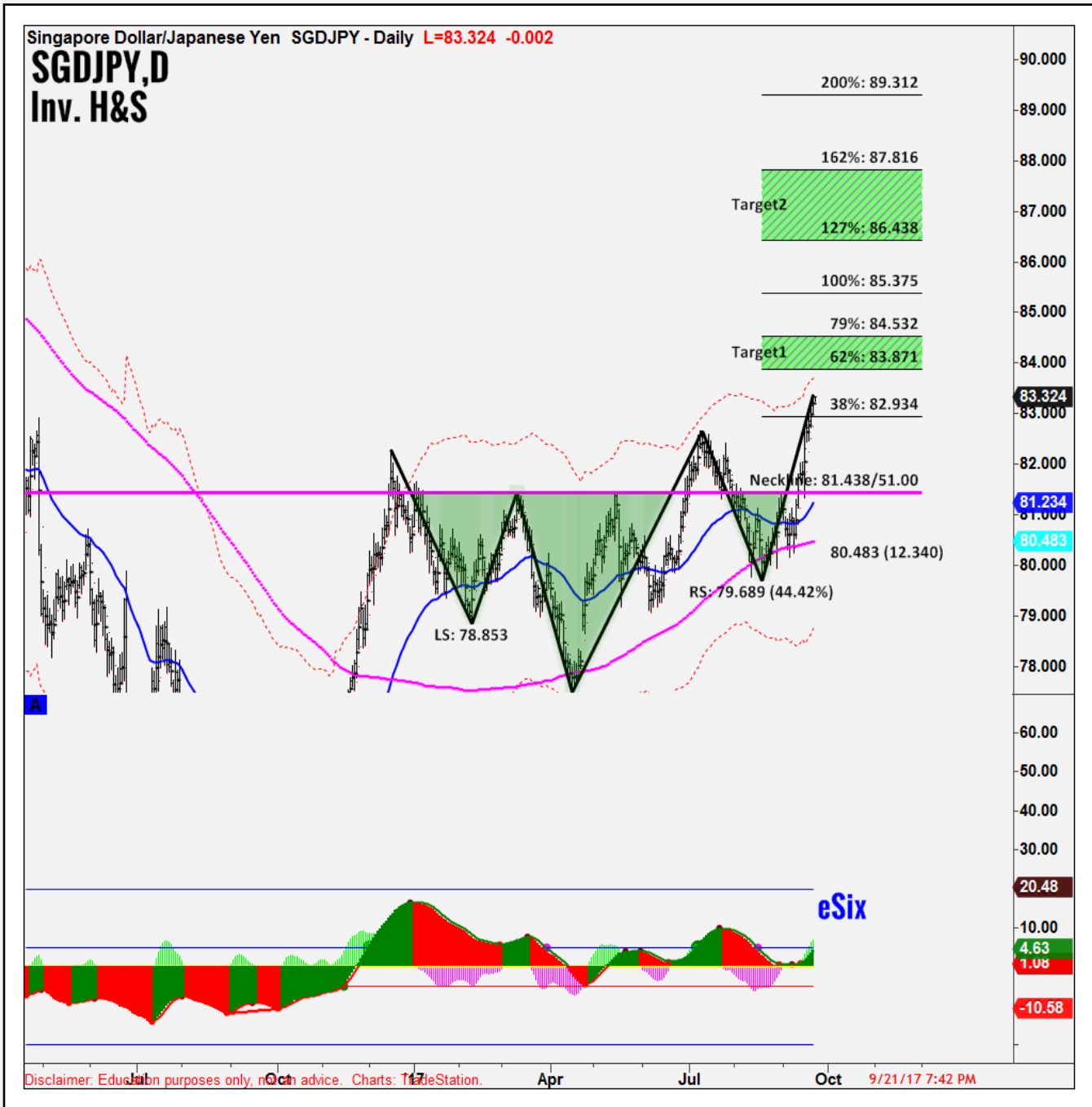
$SGDJPY (D) Inv. HS Pattern. Long entry above 81.438, Stop below 80.564 (0.874), Target1 Zone: 83.87 to 84.53, Target2 Zone: 86.44 to 87.82

Key Support/Resistance, Pivots

ES Fib. Zone Pivots

@ES Fib. Zone Pivots

NQ Fib. Zone Pivots
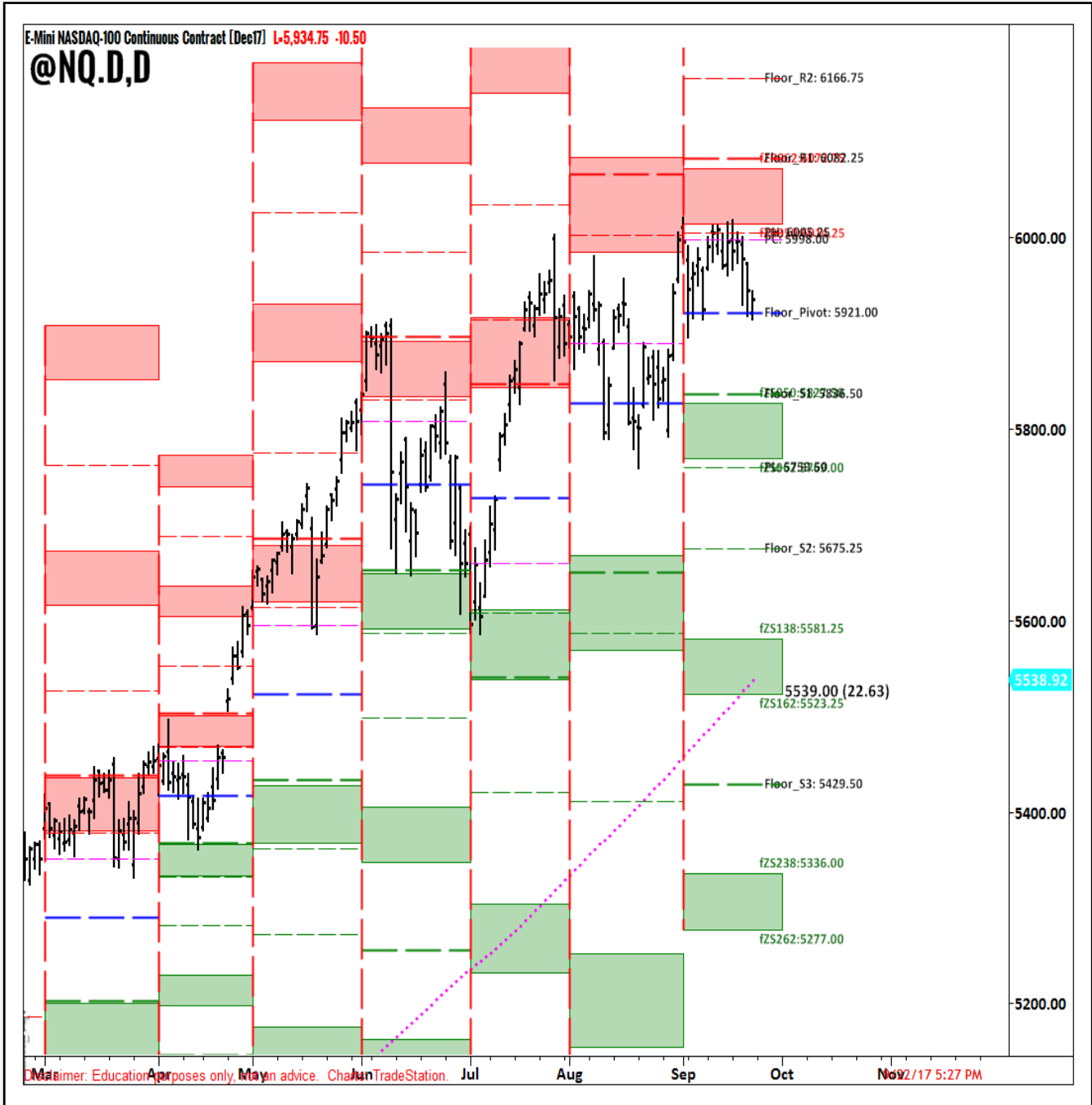
NQ Fib. Zone Pivots

YM Fib. Zone Pivots
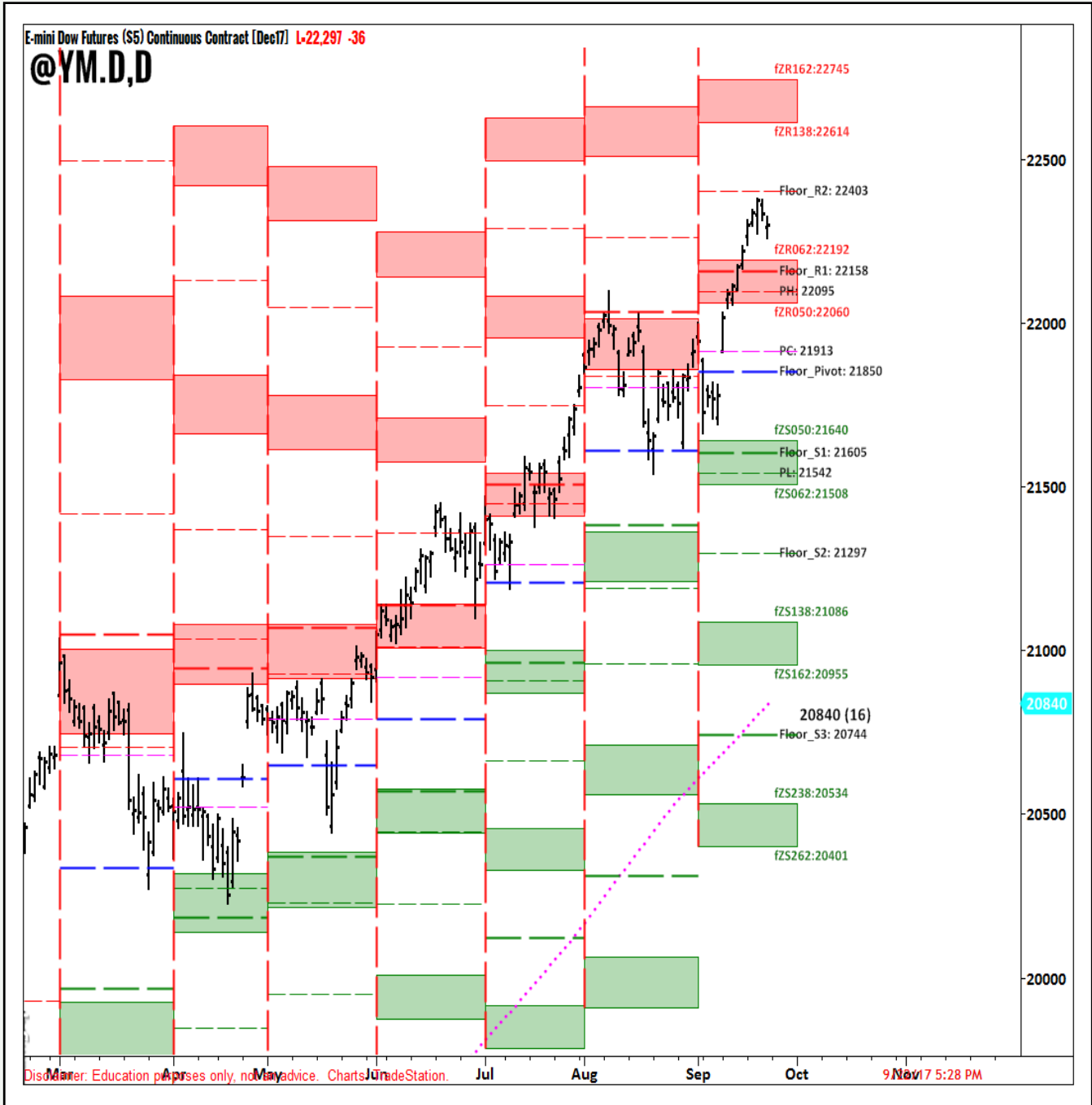
YM Fib. Zone Pivots

QM Fib. Zone Pivots

QM Fib. Zone Pivots

@GC Fib. Zone Pivots
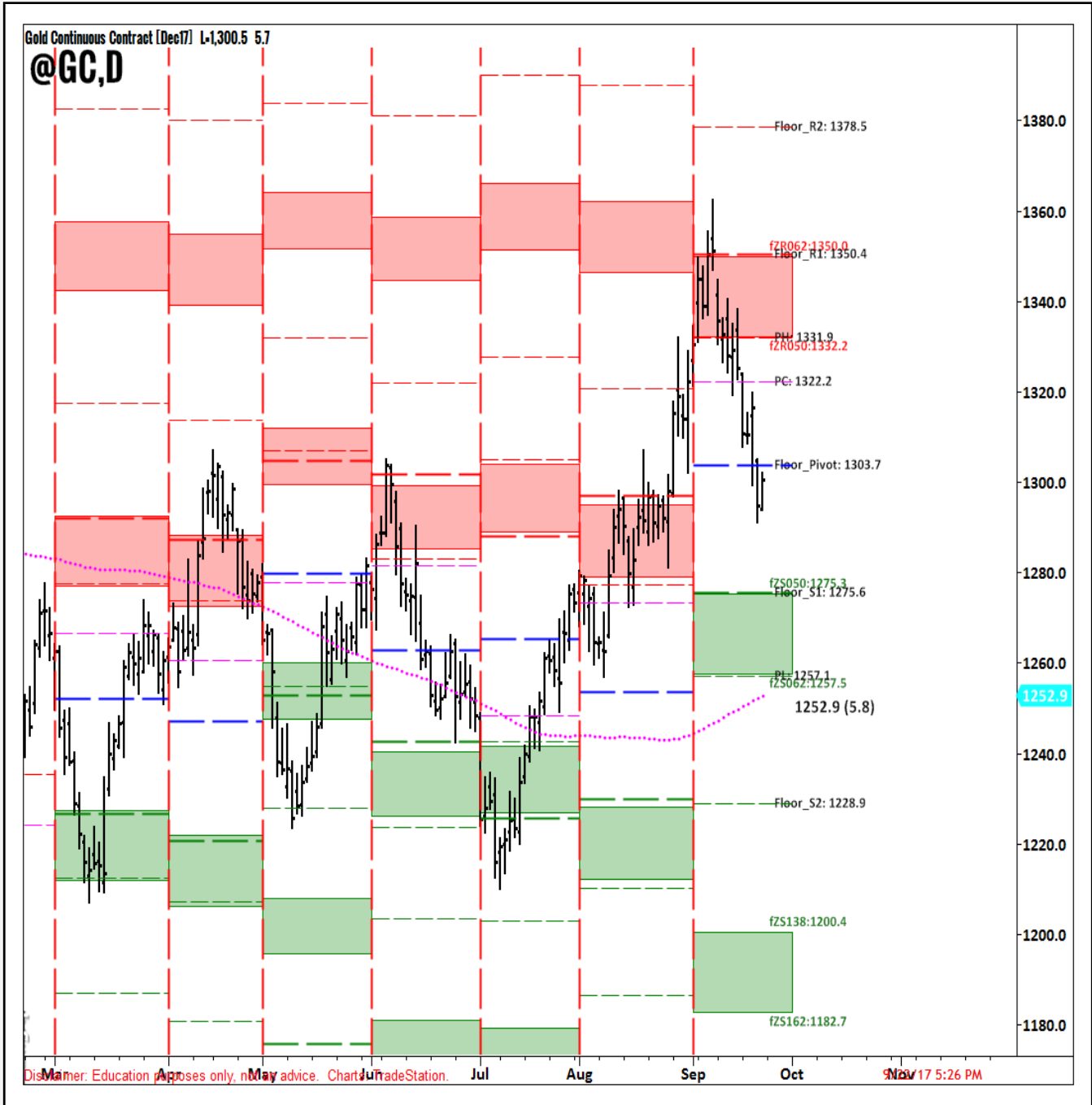
@GC Fib. Zone Pivots

GAP Charts

Shows filled and unfilled gap levels

@ES Gap Chart

E-mini S&P 500 Continuous Contract [Dec17]   **L-2,499.25 -1.75**

@ES.D,D
Gap Charts

2376.00 (6.03)

Unfilled: 2343.50 (24.00)

Unfilled: 2317.00 (23.75)

Unfilled: 2229.25 (15.50)

Unfilled: 2097.25 (29.50)

Unfilled: 2067.75 (29.50)

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9/22/17 5:29 PM

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

@NQ Gap Chart

E-Mini NASDAQ-100 Continuous Contract [Dec17] L=5,934.75 -10.50

@NQ.D,D
Gap Charts

Unfilled: 5516.00 (59.25)
Unfilled: 5456.75 (59.25)
5539.00 (22.63)
5538.92

Unfilled: 5345.50 (48.00)

Unfilled: 4675.25 (74.00)

Unfilled 4475.50 (189.25)

Unfilled: 4306.25 (169.25)

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9/22/17 5:29 PM

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

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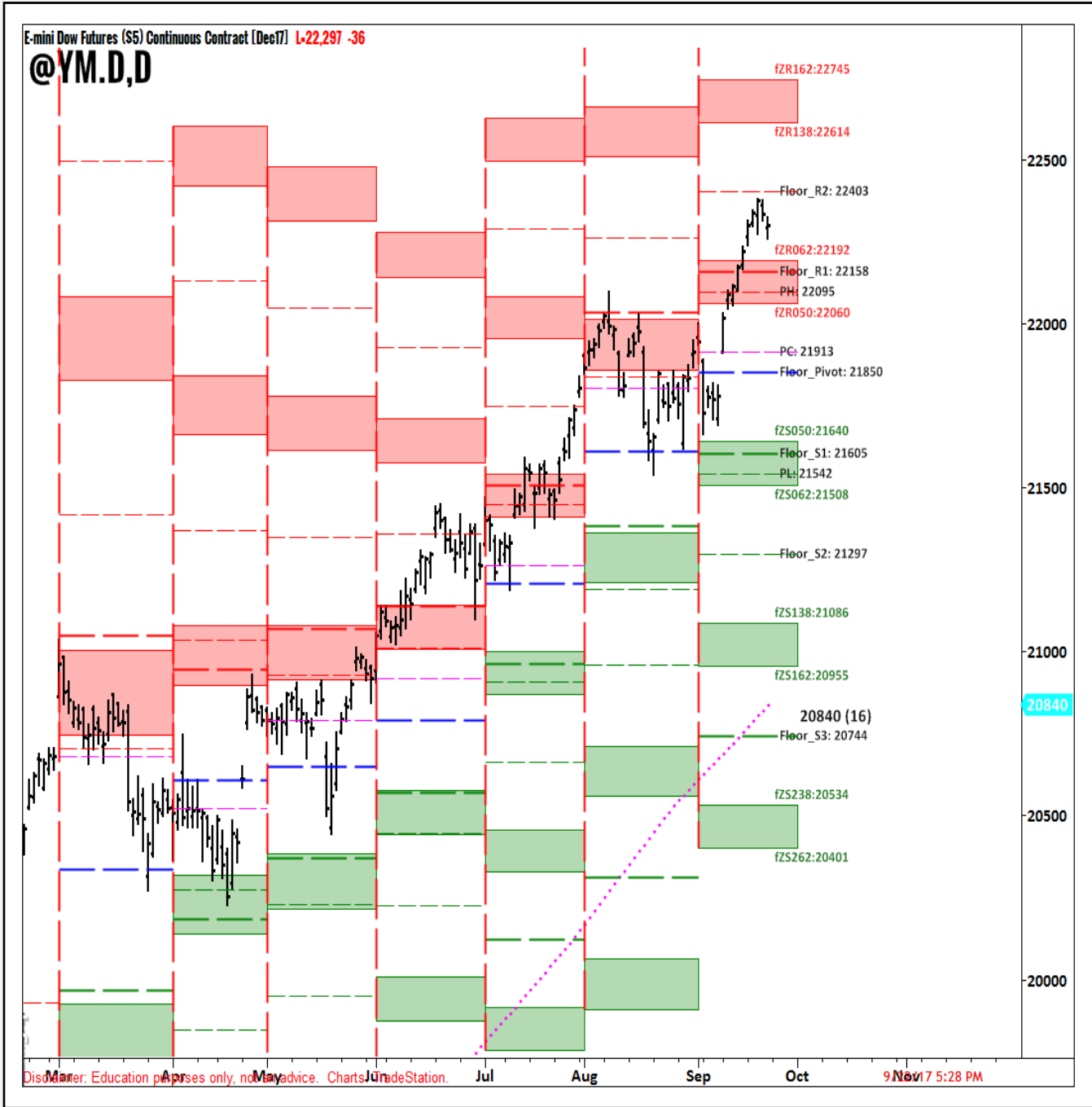
@YM Gap chart with filled and unfilled Gaps with at least 1 ATR Gap.

AAPL Gap Chart

AAPL Gap Chart shows the upside gap from 8/2/17 is nearing its lower gap level $150.05.

Earnings

Companies releasing earnings in the next few weeks.

September Earnings Calendar

1 Fri	**4 Mon**	**5 Tue**	**6 Wed**	**7 Thu**	**8 Fri**	**11 Mon**	**12 Tue**	**13 Wed**	**14 Thu**	**15 Fri**	**18 Mon**	**19 Tue**	**20 Wed**	**21 Thu**	**22 Fri**	**25 Mon**	**26 Tue**	**27 Wed**	**28 Thu**	**29 Fri**	
																RHT	DRI LEN MU NKE	JBL PIR	BBRY	SLV	

Sept 2017 Horz.

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9/22/17 5:15 PM

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October Earnings Calendar

Oct 2017 | Horz. | 9/22/17 8:22 AM

Date	Tickers
2 Mon	
3 Tue	PAYX
4 Wed	MON, PEP
5 Thu	COST
6 Fri	
9 Mon	
10 Tue	
11 Wed	FAST
12 Thu	C, DAL, JPM, TSM
13 Fri	BAC, INFY, WFC
16 Mon	BLK, NFLX
17 Tue	AMTD, CREE, CSX, GS, HOG, IBM, JNJ, LMT, SCHW, UAL, UNH
18 Wed	ASML, AXP, MS, OCOM, SRPT, TZA
19 Thu	ABT, ATHN, BX, CHKP, DOV, EBAY, ETFC, ISRG, MANH, MSFT, MXIM, PM, SAP, SHW, SWKS, SYNT, V, VZ, WIT
20 Fri	CL, GE, HON, RF, SLB
23 Mon	GOOG, HDB, ITW, JJSF, SONC
24 Tue	AKAM, AMD, AMGN, BIIB, CAT, CMG, CVLT, ESRX, FCX, GM, JBLU, JNPR, LLY, MCD, MMM, NEM, PCAR, PHM, SFLY, STX, T, TXN, UTX, WYNN, X
25 Wed	ALGT, BA, BWLD, DHI, F, FB, FLIR, GD, GILD, GLW, IMAX, KO, LPSN, LRCX, LVS, MLNX, NDAQ, NOC, NTGR, ORLY, STRA, TER, TSCO, VAR, VRTX, WBA, WHR, WM, XLNX
26 Thu	AFL, ALXN, AMZN, AZN, BIDU, BMY, BUD, CELG, CERN, CHTR, CRAY, CY, DECK, EA, EXPE, FRV, FLEX, FSLR, IBN, INTC, IP, JCI, KKR, KLAC, LLL, LOGM, LUV, MA, MAT, MCK, MGM, MHK, MO, MSTR, MT, PCG, PENN, PFG, PG, PLT, POT, POWI, RDY
27 Fri	AAL, ABBV, CVX, IRM, MRK, VRTS, WY, XOM
30 Mon	ICPT, P, SIMO, SOHU
31 Tue	AAPL, CME, CMI, DVN, ECL, FARO, FEYE, FISV, IDXX, ILMN, INCY, MOS, OKE, PFE, PZZA, RCL, S, SPG, SPWR, UA, ULTI, WAGE, XRX

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MU Cup & Handle Pattern

Micron Tech L=35.73 -0.18

9/22/17 8:30 AM

MU,D
Cup & Handle
Trend: Bull

100%: 63.87

79%: 58.03

Target1:
62%: 53.45

38%: 46.96

Breakout: 36.59/71.01

Stop: 31.70

Handle Low: (26.80/35.89%)
27.56 (8.
Cup Mid: 22.95

Cup Low: 9.31/27.28

MU (Earnings: 9/26/17) is trading in Cup & Handle Pattern. Entry above breakout level: 36.59, Handle Low: 26.80, 35.89% below breakout level. T1: 53.4 to 58.0, T2: 71.2 to 80.8

NKE Rectangle Channel

NKE (Earnings: 9/26) is trading in a long rectangle channel pattern. Rectangle range is $50 to $58. Watch upper and lower trendlines for potential breakouts.

COST Rectangle Channel
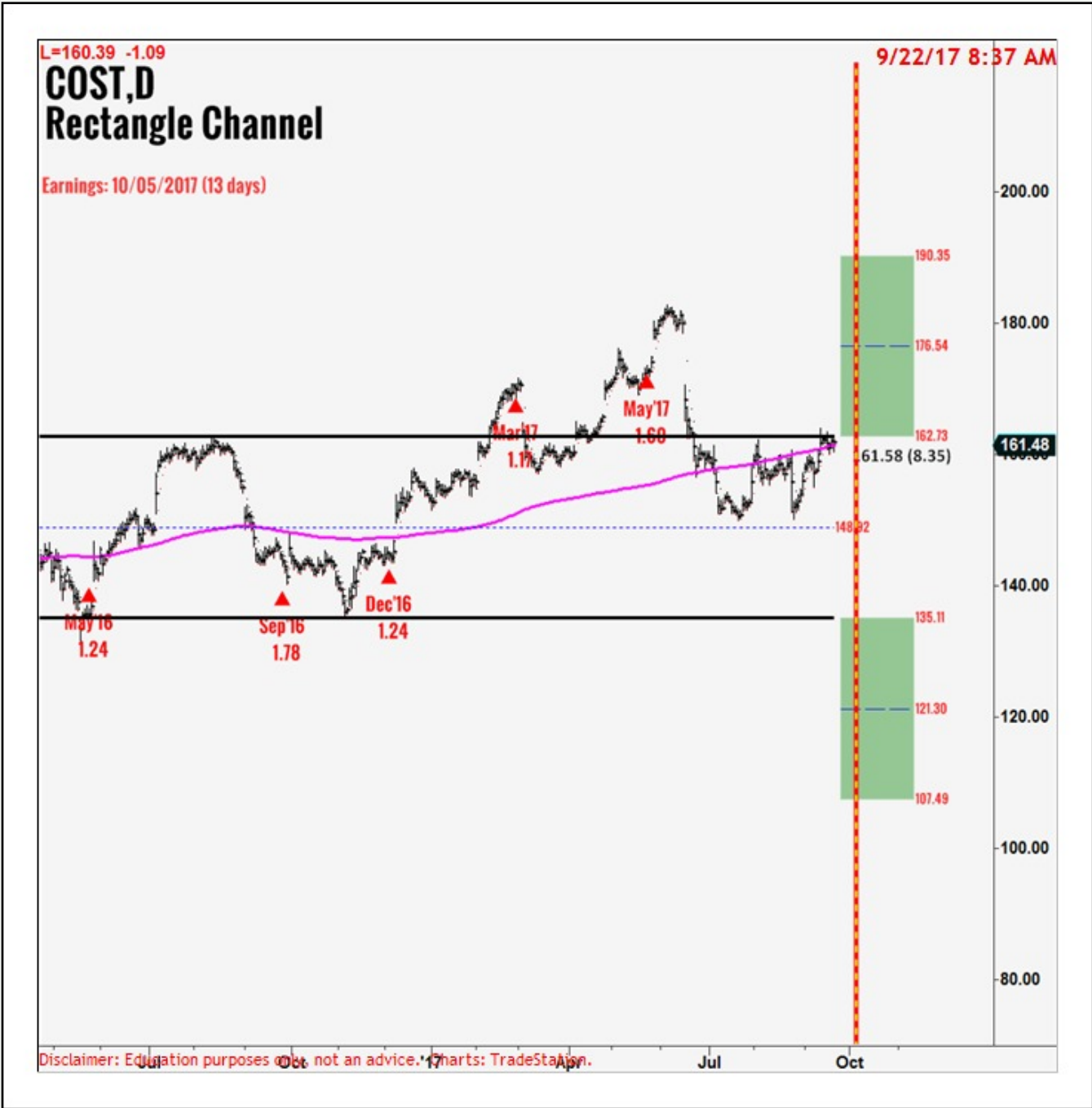
COST (Earnings: 10/5) is trading in Rectangle channel. Watch channel upper and lower ranges are $135 to 162 for potential breakouts.

JPM Cup & Handle Pattern
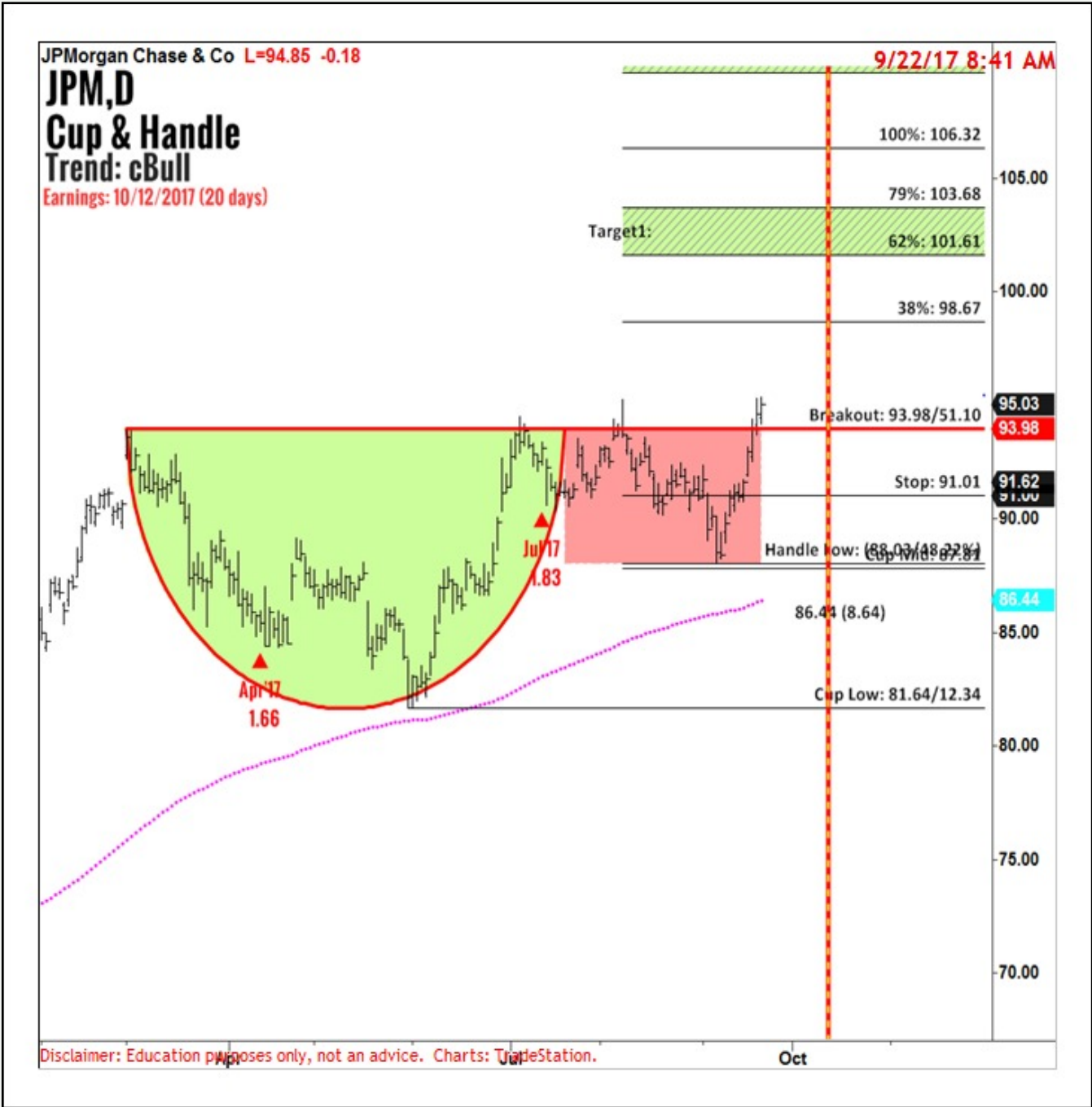
JPM (Earnings: 10/12/17) is trading in Cup & Handle Pattern. Entry above breakout level: 93.98, Handle Low: 88.03, 48.22% below breakout level. T1: 101.6 to 103.7, T2: 109.7 to 114.0

Citibank (C) Dragon Pattern

Citibank (Earnings: 10/12/17), weekly chart is trading in Dragon Bullish pattern.
Dragon entry above $48.5, Stop below $43. Target1 Zone: $54-59, $71-78.

NFLX ABC Bullish Pattern

$NFLX (Earnings: 10/16/17), Weekly chart is trading in ABC Bullish Pattern Long Entry above 97.19, Stop below 177, Target1 Zone: 134.5 to 149.3, Target2 Zone: 192.0 to 222.8

Weekly Relative Performances

Sector & Indexes Relative Performances

Winners: Defense, Financials, Energy

Losers: Utilities, Retail, Healthcare

Relative Performance

Indexes | 1-Week Performance | GO

Indexes: 1-Week Performance (201)
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Index	Performance
Defense	4.0%
Regional Ban	3.9%
Banking	3.4%
Oil	2.8%
OilService	1.8%
Insurance	1.7%
SPADR	0.73%
Industrials	0.36%
SemiCond	0.25%
SP100	0.14%
SP500	0.08%
Drugs	0.08%
BioTech	-0.26%
Airlines	-0.30%
Telecom	-0.32%
Nasdaq	-0.33%
NASD100	-0.93%
HealthCare	-1.2%
GoldSilver	-2.6%

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Relative Performance

SectorETFs | 1-Week Performance | GO

SectorETFs: 1-Week Performance (201)
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Sector	Performance
Financials	2.7%
Energy	2.1%
Industrials	2.0%
Materials	0.86%
Con.Discr	-0.10%
Technology	-0.37%
HomeBuilders	-0.77%
Retail	-0.97%
HealthCare	-1.2%
Con.Staples	-2.4%
Utilities	-2.8%

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Dow 30 Weekly Relative Performance

Relative Performance

| Dow30 ▼ | 1-Week Performance ▼ | GO |

Dow30: 1-Week Performance (201)
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Symbol	Performance
VZ	4.3%
GE	3.9%
JPM	3.5%
BA	3.0%
CSCO	2.9%
GS	2.6%
CAT	2.5%
CVX	2.3%
DD	1.9%
UTX	1.7%
PFE	1.7%
AXP	1.6%
MCD	1.3%
TRV	1.1%
HD	0.99%
INTC	0.49%
V	0.25%
IBM	0.21%
DIS	0.08%
XOM	-0.19%
WMT	-1.1%
PG	-1.1%
NKE	-1.2%
MSFT	-1.2%
MMM	-1.2%
KO	-1.5%
MRK	-1.6%
JNJ	-2.3%
UNH	-2.6%
AAPL	-5.0%

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Select Sectors Weekly Performance

Relative Performance

SelectSectors ▾ 1-Week Performance ▾ GO

SelectSectors: 1-Week Performance (201)
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Sector	Performance
Wireless Com	5.8%
Mobile Telec	5.8%
Telecommunic	3.9%
Coal	3.8%
Banks	3.6%
Trucking	3.6%
Defense	3.3%
Transportati	3.0%
Aerospace	2.9%
Commercial V	2.7%
Hotels	2.6%
Oil Gas Pr	2.2%
Auto Parts	2.0%
Oil Gas	2.0%
Industrials	2.0%
Railroads	1.7%
Aluminum	1.6%
Travel Tou	1.4%
Building Mat	1.4%
Financials T	1.4%
Insurance	1.3%
Industrial M	1.0%
Gambling	0.96%
Integrated O	0.93%
Media	0.87%
Consumer Fin	0.86%
Steel	0.81%
Restaurants	0.81%
Broadcasting	0.71%
Airlines	0.20%
Internet Ser	0.20%
Semiconducto	0.13%
Gold Mining	0.07%
Retailers-Sp	0.06%
Consumer Ele	0.00%
Home Constru	-0.07%
Biotechnolog	-0.19%
Software C	-0.26%
Mining	-0.58%
Pharmaceutic	-0.62%
Technology	-0.82%
Software	-0.85%
Pharmaceutic	-0.97%
Pharmaceutic	-0.97%
Healthcare	-1.1%
Large-Cap Te	-1.1%
Medical Equi	-1.1%
General Reta	-1.1%
Pipelines	-1.2%
Footwear	-1.2%
Retailer-App	-1.3%
Food Retaile	-1.3%
Retail	-1.4%
Automobile M	-1.4%
Tech Hardwar	-1.5%
Consumer Goo	-1.6%
Clothing A	-1.9%
Beverage	-1.9%
Soft Drinks	-2.0%
Real Estate	-2.3%
Food Drug	-2.5%
Food Bever	-2.6%
Healthcare P	-2.6%
Utilities	-2.7%
Computer Har	-4.1%
Brewers	-5.1%

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Country ETFs Weekly Performance

Relative Performance

| CountryETFs ▼ | 1-Week Performance ▼ | GO |

CountryETFs: 1-Week Performance (201)

Country	Performance
China 'A'	3.3%
Norway	2.4%
Philippines	2.3%
Argentina	1.9%
Portugal	1.5%
Nigeria	1.5%
Greece	1.4%
Italy	1.4%
New Zealand	1.4%
Chile	1.4%
France	1.2%
Israel	1.1%
Sweden	0.93%
UK	0.90%
S Korea	0.87%
Africa	0.77%
Canada	0.77%
China Large-	0.54%
Germany	0.53%
Ireland	0.51%
Austria	0.47%
Japan	0.34%
Asia 50	0.26%
Egypt	0.21%
Singapore	0.20%
US	0.10%
Spain	0.09%
Peru	0.05%
Switzerland	0.00%
Mexico	-0.12%
FrontierMkt	-0.13%
Netherlands	-0.22%
Poland	-0.24%
MidEast	-0.34%
MSCI BRIC	-0.34%
Hong Kong	-0.36%
Thailand	-0.42%
Emerg Mkt	-0.46%
Vietnam	-0.47%
Russia	-0.55%
Russia	-0.57%
Emg Markets	-0.59%
EmrgSmlCap	-0.69%
Indonesia	-0.71%
So Africa	-0.71%
Saudi Arabia	-0.75%
Australia	-0.83%
Belgium	-0.95%
Malaysia	-1.1%
JapanPese Ye	-1.1%
Brazil Sm-Cp	-1.2%
Canadian S	-1.2%
Brazil	-1.4%
Colombia	-1.6%
EmgMkt50	-1.7%
UAE	-2.0%
Taiwan	-2.3%
India Inv Fd	-2.9%
India Portfo	-3.4%
India Fd Inc	-3.6%
India Erngs	-3.9%
Turkey	-5.4%

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Commodity ETFs Weekly Performance

Relative Performance

CommodityETFs   1-Week Performance   GO

CommodityETFs: 1-Week Performance (201)
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ETF	Performance
ProShs Ultra	7.0%
Energy Bull	6.2%
DB Gold Doub	4.0%
iShs US Oil	3.9%
Ultra Oil An	3.8%
SPDR SP Oil	3.8%
ProShs Ultra	3.6%
PwrShs Water	2.6%
VanEck Vctrs	2.4%
Ultra Bas Ma	2.3%
SP Sel Ener	2.1%
iShs US Ener	2.0%
iShs GS Natu	1.7%
PowerShs DB	1.3%
iShs US Basi	1.1%
SP Sel Mate	0.86%
iShs GSCI Co	0.81%
SP Glbl Wat	0.73%
ProShs Ultra	0.59%
DB Commodity	0.52%
United State	0.39%
Cantel Medic	0.39%
iPath Goldma	0.38%
ELEMENTS-Rog	0.20%
ELEMENTS-Rog	0.16%
PowerShs DB	0.00%
DB Gold Doub	-0.78%
ProShs Ultra	-0.79%
Guggenheim S	-0.80%
SPDR SP Met	-0.88%
VanEck Vctrs	-1.0%
iShs Gold Tr	-1.8%
SPDR Gold Tr	-1.8%
DB Crude Oil	-2.0%
VanEck Vctrs	-2.4%
United State	-2.5%
UltraShort B	-2.6%
VanEck Vctrs	-2.7%
iPath Blmbrg	-3.2%
iShs Silver	-3.4%
ProShs Ultra	-3.8%
UltraShort O	-3.9%
Energy Bear	-6.1%

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Futures Weekly Performance

Relative Performance

| Futures ▾ | 1-Week Performance ▾ | GO |

Futures: 1-Week Performance (201)
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Instrument	Performance
Oats	5.1%
FeederCatt	3.6%
LiveCattle	3.5%
Nikkei	1.8%
SoyBeans	1.6%
HeatingOil	0.97%
Crude	0.44%
Dow	0.36%
Oil	0.35%
USDollar	0.34%
Wheat	0.11%
SPX	0.09%
Euro	0.00%
Copper	-0.15%
BritPound	-0.33%
Corn	-0.35%
10-Yr	-0.38%
30-Yr	-0.42%
AusS	-0.44%
Nasdaq	-0.99%
Yen	-1.1%
SwissFranc	-1.2%
CanadaS	-1.3%
Cocoa	-1.3%
Gold	-1.9%
OrangeJ	-1.9%
NatGas	-2.1%
RoughRice	-3.4%
Silver	-3.8%
Sugar	-3.9%
Palladium	-4.1%
Coffee	-4.9%
LeanHog	-8.7%

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FX Weekly Performance

Relative Performance

| FX ▼ | 1-Week Performance ▼ | GO |

FX: 1-Week Performance (201)
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Pair	Performance
GBPJPY	6.0%
GBPCHF	4.8%
GBPCAD	4.3%
NZDJPY	4.3%
GBPAUD	3.9%
@BP	3.7%
GBPUSD	3.4%
NZDCHF	3.1%
SGDJPY	2.8%
EURJPY	2.8%
NZDCAD	2.7%
USDJPY	2.5%
AUDJPY	2.0%
NZDUSD	1.8%
CADJPY	1.6%
EURCHF	1.5%
GBPNZD	1.3%
USDCHF	1.3%
CHFJPY	1.1%
EURCAD	1.1%
USDCAD	0.90%
AUDCHF	0.78%
EURAUD	0.68%
CADCHF	0.34%
AUDCAD	0.31%
EURUSD	0.25%
@EC	0.18%
USDHKD	-0.21%
USDSGD	-0.34%
@AD	-0.36%
AUDUSD	-0.51%
@CD	-0.84%
@SF	-1.4%
EURNZD	-1.8%
@JY	-2.5%
AUDNZD	-2.6%
EURGBP	-3.1%

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Watch Lists

Momentum

Relative Strength

Bullish/Bearish Lists

NH/NL

Oversold/Overbought

Key Retracements

Relative Strength Ranks (200)

#	Sym	Last	YTD	1M	3M	1YR
1	ALNY	114.00	100	100	99	92
2	OLED	132.54	100	97	83	99
3	NVDA	178.88	99	88	90	100
4	SINA	115.75	99	93	98	96
5	DATA	75.37	98	66	85	85
6	MELI	279.46	98	94	43	90
7	BA	256.56	97	75	96	98
8	WYNN	144.89	97	72	63	88
9	ISRG	1,031.52	96	55	74	49
10	TSLA	351.74	96	47	14	97
11	MU	36.19	95	96	86	99
12	SOHU	54.92	95	25	92	67
13	FSLR	51.50	94	89	97	90
14	ILMN	201.41	94	53	74	48
15	SODA	58.47	93	25	83	100
16	WDAY	103.84	93	20	40	53
17	AMAT	47.73	92	77	73	95
18	RHT	106.39	92	35	68	79
19	ADSK	111.78	91	29	57	95
20	NFLX	187.79	91	90	92	98
21	ADBE	148.40	90	13	45	85
22	FB	170.13	90	28	78	76
23	BIDU	240.70	89	72	99	66
24	CERN	69.63	89	73	44	45
25	ABBV	87.48	88	98	95	82
26	MCHP	89.69	88	79	77	91
27	SYMC	33.02	87	94	88	78
28	VMW	109.50	87	84	95	92
29	FEYE	16.88	86	96	72	55
30	SWKS	102.51	86	26	34	82
31	IIF	34.83	85	39	48	62
32	VRSN	104.58	85	60	80	71
33	MA	141.89	84	69	86	88
34	AVGO	239.24	83	7	29	73
35	CRM	94.94	83	40	69	87
36	IDXX	157.50	82	49	21	76
37	MCD	158.91	82	23	53	83
38	JAZZ	147.89	81	31	18	55
39	V	105.63	81	36	79	71

#	Sym	Last	YTD	1M	3M	1YR
40	SPLK	69.53	80	95	93	58
41	BBRY	9.19	79	58	20	54
42	CAT	124.40	79	77	93	93
43	AAPL	151.88	78	8	57	78
44	CTRP	52.91	78	29	25	52
45	EXPE	145.75	77	18	23	81
46	TSM	37.75	77	54	54	67
47	FAS	54.07	76	74	88	97
48	IFN	27.19	76	22	39	40
49	SAP	110.25	75	61	50	60
50	SSYS	22.94	75	65	7	32
51	CTSH	72.06	74	45	68	80
52	SHW	349.76	74	50	31	69
53	AMZN	954.00	73	19	25	60
54	FXI	44.58	73	53	82	50
55	KLAC	100.59	72	86	52	89
56	PCLN	1,862.31	72	43	37	72
57	ORCL	48.29	71	15	24	64
58	WDC	86.48	71	24	16	94
59	NTES	271.88	70	16	6	42
60	PM	112.44	70	10	20	46
61	AMGN	185.76	69	83	72	38
62	EQIX	441.66	69	10	44	66
63	GPRO	10.75	68	97	100	4
64	JBL	29.44	68	45	30	77
65	IBB	329.50	67	71	54	43
66	MNST	55.81	67	30	71	49
67	HON	141.91	66	55	65	65
68	LMT	308.54	66	35	78	70
69	CELG	143.50	65	90	70	75
70	MXIM	47.34	65	67	47	61
71	QQQ	144.33	64	30	46	62
72	YUM	75.96	64	20	43	56
73	TXN	88.16	63	85	80	71
74	XLK	58.51	63	32	58	65
75	NOC	281.55	62	50	76	74
76	NTAP	42.55	62	87	67	59
77	ICE	67.05	61	42	59	61
78	LVS	63.56	61	62	31	46

#	Sym	Last	YTD	1M	3M	1YR
79	MSFT	74.41	60	38	61	74
80	AXP	88.40	59	57	71	83
81	C	71.38	59	75	82	94
82	CME	133.53	58	71	73	68
83	FDX	220.27	58	63	46	72
84	GD	205.41	57	40	45	79
85	XLV	81.62	57	48	42	47
86	ALXN	142.82	56	52	84	40
87	WMT	79.52	56	21	65	44
88	NXPI	112.74	55	27	49	81
89	OSIS	86.89	55	87	90	77
90	LOGM	111.16	54	14	41	69
91	REGN	432.00	54	4	8	39
92	ATHN	122.97	53	2	9	29
93	MON	119.77	53	41	49	53
94	JNJ	131.39	52	13	28	44
95	YELP	43.41	52	57	100	50
96	XLI	70.80	51	59	59	64
97	COH	39.95	50	12	10	43
98	XHB	38.47	50	41	40	47
99	DIA	223.28	49	39	60	63
100	LLY	83.91	49	76	38	33
101	GILD	83.30	48	93	91	32
102	GM	39.40	48	92	87	63
103	GLD	123.24	47	31	56	25
104	MS	48.06	47	67	79	93
105	BAC	25.01	46	62	76	96
106	BUD	116.39	46	23	53	14
107	PANW	140.26	45	68	42	16
108	SPY	249.50	45	37	50	52
109	DECK	63.55	44	44	22	30
110	MLNX	46.21	44	63	62	42
111	PG	92.24	43	21	55	34
112	XLU	53.26	43	11	38	35
113	BIIB	318.46	42	91	85	31
114	CSCO	33.35	42	74	58	36
115	KO	45.57	41	24	39	38
116	PFE	35.96	41	80	64	36
117	INCY	111.00	40	3	5	68
118	JPM	94.89	40	56	75	87

#	Sym	Last	YTD	1M	3M	1YR
119	MRK	65.13	39	61	33	74
120	XLF	25.44	39	44	66	83
121	KORS	46.16	38	89	98	94
122	TWTR	17.60	38	68	26	68
123	BMY	63.49	37	86	81	72
124	PEP	111.79	37	8	27	79
125	CTXS	76.23	36	27	19	47
126	GRMN	52.12	36	36	47	40
127	AMTD	46.78	35	80	87	44
128	COST	161.27	35	38	51	81
129	CAVM	66.53	34	82	37	77
130	IP	56.05	34	59	34	69
131	NKE	53.24	33	18	41	39
132	XONE	10.28	33	100	4	29
133	FCX	14.05	32	6	94	53
134	UPS	117.67	32	45	67	44
135	INTC	37.15	31	76	75	50
136	TARO	109.10	31	65	19	64
137	FARO	37.15	30	92	36	43
138	SBUX	55.09	30	34	16	47
139	CVX	117.29	29	88	81	63
140	ULTI	185.18	29	6	8	33
141	DDD	13.50	28	81	1	32
142	INFY	14.59	28	42	32	63
143	DAL	48.38	27	46	15	25
144	JWN	46.87	27	64	30	93
145	JNPR	27.99	26	37	35	96
146	RL	88.42	26	56	95	14
147	GWPH	106.01	25	82	61	28
148	SFLY	47.45	25	69	35	37
149	TJX	72.44	24	34	62	23
150	WHR	175.23	24	54	17	39
151	GS	231.28	23	52	66	84
152	WBA	78.40	23	9	52	23
153	CREE	24.96	22	79	33	29
154	F	11.85	22	91	70	26
155	TRIP	44.36	21	78	94	7
156	UBNT	54.18	21	1	64	30
157	CRAY	18.60	20	46	55	10
158	CRUS	53.45	20	12	5	25

#	Sym	Last	YTD	1M	3M	1YR
159	CYBR	42.52	19	70	10	11
160	DIS	98.60	19	9	23	37
161	MO	62.49	18	14	6	26
162	XRT	40.80	18	70	56	21
163	CBS	59.25	17	3	18	59
164	ESRX	62.29	16	33	27	12
165	VZ	49.80	16	51	77	24
166	AMBA	46.50	15	5	26	5
167	XLE	67.20	15	78	60	27
168	IBM	145.13	14	49	21	20
169	LULU	58.62	14	11	63	13
170	OIL	5.24	13	73	91	22
171	ULTA	219.10	13	7	3	17
172	CMG	313.95	12	48	2	8
173	STX	33.54	12	58	4	19
174	RDY	37.65	11	98	13	9
175	WAGE	58.80	11	26	11	20
176	FFIV	119.73	10	43	15	27
177	TGT	58.98	10	60	89	12
178	TSCO	61.88	9	81	89	15
179	UAL	58.79	9	4	3	54
180	QCOM	52.09	8	22	14	10
181	URBN	22.67	8	95	97	4
182	GE	24.90	7	33	13	11
183	UTHR	114.61	7	2	11	16
184	IMAX	23.10	6	99	36	8
185	SHLD	7.11	6	1	48	3
186	AKAM	48.33	5	66	22	18
187	FAZ	15.09	5	5	9	2
188	BWLD	105.06	5	17	7	5
189	X	23.80	4	16	11	76
190	APA	43.57	4	2	36	6
191	MSTR	124.76	3	1	24	7
192	JCP	4.01	3	19	12	7
193	M	21.53	2	85	12	2
194	FOSL	8.88	1	99	64	3
195	TEVA	17.19	1	32	29	1
196	AAL	47.15	1			1

RS Ranks Sorted (Alpha)

#	Sym	Last	YTD	1M	3M	1YR
1	AAL	47.15				
2	AAPL	151.88	78	8	57	82
3	ABBV	87.48	88	98	95	82
4	ADBE	148.40	90	13	45	85
5	ADSK	111.78	91	29	57	95
6	AKAM	48.33	5	66	22	18
7	ALNY	114.00	100	100	99	92
8	ALXN	142.82	56	52	84	40
9	AMAT	47.73	92	77	73	95
10	AMBA	46.50	15	5	26	5
11	AMGN	185.76	69	83	72	38
12	AMTD	46.78	35	80	87	86
13	AMZN	954.00	73	19	25	60
14	APA	43.57	3	83	24	6
15	ATHN	122.97	53	2	9	29
16	AVGO	239.24	83	7	29	88
17	AXP	88.40	59	57	71	83
18	BA	256.56	97	75	96	98
19	BAC	25.00	46	62	76	96
20	BBRY	9.19	79	58	20	54
21	BIDU	240.70	89	72	99	66
22	BIIB	318.46	42	91	85	31
23	BMY	63.49	37	86	81	48
24	BUD	116.39	46	23	53	14
25	BWLD	105.06	4	17	7	5
26	C	71.38	59	75	82	94
27	CAT	124.40	79	77	93	93
28	CAVM	66.53	34	82	37	51
29	CBS	59.25	17	3	18	59
30	CELG	143.50	65	90	70	75
31	CERN	69.63	89	73	44	45
32	CHKP	111.73	80	47	32	91
33	CME	133.53	58	71	73	68
34	CMG	313.95	12	48	8	8
35	COH	39.95	50	12	10	43
36	COST	161.27	35	38	51	45
37	CRAY	18.60	20	46	55	10
38	CREE	24.98	22	79	33	29
39	CRM	94.94	83	40	69	73
41	CSCO	33.35	42	74	58	36
42	CTRP	52.91	78	29	25	52
43	CTSH	72.06	74	45	68	80
44	CTXS	76.23	36	27	19	49
45	CVX	117.29	29	88	81	57
46	CYBR	42.52	19	70	10	11
47	DAL	48.38	27	46	15	70
48	DATA	75.37	98	66	85	85
49	DDD	13.50	28	81	1	9
50	DECK	63.55	44	44	22	30
51	DIA	223.28	49	39	60	63
52	DIS	98.60	19	9	23	37
53	EQIX	441.66	69	10	44	66
54	ESRX	62.29	16	33	27	12
55	EXPE	145.75	77	18	23	81
56	F	11.85	22	91	70	33
57	FARO	37.15	30	92	36	97
58	FAS	54.07	76	74	88	98
59	FAZ	15.09	5	5	9	2
60	FB	170.13	90	28	78	76
61	FCX	14.19	32	6	94	73
62	FDX	220.27	58	63	46	72
63	FEYE	16.88	86	96	72	27
64	FFIV	119.73	10	43	15	1
65	FOSL	8.88	1	99	12	25
66	FSLR	51.50	94	89	97	63
67	FXI	44.58	73	53	82	43
68	GD	205.41	57	40	45	50
69	GE	24.90	7	33	13	11
70	GILD	83.30	48	93	91	32
71	GLD	123.24	47	31	56	25
72	GM	39.40	48	92	87	90
73	GOOG	928.63	60	28	28	58
74	GPRO	10.75	68	97	100	41
75	GRMN	52.12	36	36	47	36
76	GS	230.73	23	52	66	84
77	GWPH	106.01	25	82	61	28
78	HON	141.91	66	55	65	84
79	IBB	329.50	67	71	54	43
81	ICE	67.05	61	42	59	61
82	IDXX	157.50	82	49	21	87
83	IFN	27.19	76	22	39	40
84	IIF	34.83	85	39	48	62
85	ILMN	201.41	94	53	74	48
86	IMAX	23.10	6	99	36	8
87	INCY	111.00	40	3	5	68
88	INFY	14.59	28	42	32	15
89	INTC	37.15	31	76	75	28
90	IP	56.05	34	59	34	56
91	ISRG	1,031.52	96	55	74	89
92	JAZZ	147.89	81	31	18	55
93	JBL	29.44	68	15	30	77
94	JCP	4.01	2	85	12	2
95	JNJ	131.39	52	13	28	44
96	JNPR	27.99	26	37	35	57
97	JPM	94.89	40	56	75	87
98	JWN	46.87	27	64	30	19
99	KLAC	100.59	72	86	52	89
100	KO	45.57	41	24	39	38
101	KORS	46.16	38	89	98	18
102	LLY	83.91	49	76	38	33
103	LMT	308.54	66	35	78	70
104	LOGM	111.16	54	14	41	69
105	LULU	58.62	14	11	63	13
106	LVS	63.56	61	62	31	46
107	M	21.53	2	64	29	3
108	MA	141.89	84	69	86	86
109	MCD	158.91	82	23	53	83
110	MCHP	89.69	88	79	77	91
111	MELI	279.46	98	94	43	90
112	MLNX	46.21	44	63	62	42
113	MNST	55.81	67	30	71	49
114	MO	62.49	18	14	6	26
115	MON	119.77	53	41	49	53
116	MRK	65.13	39	61	33	34
117	MS	48.06	47	67	79	91
118	MSFT	74.41	60	38	61	74
119	MSTR	124.76	3	19	2	7
121	MXIM	47.34	65	67	47	61
122	NFLX	187.79	91	90	92	98
123	NKE	53.24	33	18	41	24
124	NOC	281.55	62	50	76	74
125	NTAP	42.55	62	87	67	59
126	NTES	271.88	70	16	6	42
127	NVDA	178.88	99	88	90	100
128	NXPI	112.74	55	27	49	81
129	OIL	5.24	13	73	91	22
130	OLED	132.54	100	97	83	99
131	ORCL	48.29	71	15	24	64
132	OSIS	86.89	55	87	90	77
133	PANW	140.26	45	68	42	16
134	PCLN	1,862.31	72	43	37	72
135	PEP	111.79	37	8	27	35
136	PFE	35.96	41	80	64	36
137	PG	92.24	43	21	55	34
138	PM	112.44	70	10	20	46
139	QCOM	52.09	8	22	14	10
140	QQQ	144.33	64	30	46	62
141	RDY	37.65	11	98	13	9
142	REGN	432.00	54	4	8	39
143	RHT	106.39	92	35	68	79
144	RL	88.42	26	56	96	14
145	SAP	110.25	75	61	50	60
146	SBUX	55.09	30	34	16	31
147	SFLY	47.45	25	69	35	37
148	SHLD	7.11	6	1	48	3
149	SHW	349.76	74	1	31	69
150	SINA	115.75	99	93	98	96
151	SODA	58.47	93	25	83	100
152	SOHU	54.92	95	25	92	67
153	SPLK	69.53	80	95	93	58
154	SPY	249.47	45	37	50	52
155	SSYS	22.94	75	65	7	32
156	STX	33.54	12	58	4	19
157	SWKS	102.51	86	26	98	93
158	SYMC	33.02	87	94	34	82
159	TARO	109.10	31	65	19	78
160	TEVA	17.19	1	32	1	21
161	TGT	58.98	10	60	89	12
162	TJX	72.44	24	34	62	23
163	TRIP	44.36	21	78	94	7
164	TSCO	61.88	9	81	89	15
165	TSLA	351.74	96	47	14	97
166	TSM	37.75	77	54	54	67
167	TWTR	17.60	38	68	26	22
168	TXN	88.16	63	85	80	71
169	UAL	58.79	9	4	3	54
170	UBNT	54.18	21	1	64	30
171	ULTA	219.10	13	7	3	17
172	ULTI	185.18	29	6	8	13
173	UPS	117.67	32	45	67	41
174	URBN	22.87	8	95	97	4
175	UTHR	114.61	7	2	11	16
176	V	105.63	81	36	79	71
177	VMW	109.50	87	84	95	92
178	VRSN	104.58	85	60	80	80
179	VZ	49.80	16	51	77	24
180	WAGE	58.80	11	26	11	20
181	WBA	78.40	23	9	52	23
182	WDAY	103.84	93	20	40	53
183	WDC	86.48	71	24	16	94
184	WHR	175.23	24	54	17	39
185	WMT	79.52	56	21	65	44
186	WYNN	144.89	97	72	63	88
187	X	23.82	4	16	69	76
188	XHB	38.47	50	41	40	47
189	XLE	67.20	15	78	60	27
190	XLF	25.44	39	44	66	75
191	XLI	70.80	51	59	59	64
192	XLK	58.51	63	32	58	65
193	XLU	53.26	43	11	38	35
194	XLV	81.62	57	48	42	47
195	XONE	10.28	33	100	4	6
196	XRT	40.80	18	70	56	21
197	YELP	43.41	52	57	100	50
198	YUM	75.96	64	20	43	56
199						

9/22/17 5:34 PM

Bullish/Bearish List

#	S...	PlotSym... Sym	Last	suri.Bull... Direc.	#	S...	PlotSym... Sym	Last	suri.Bull... Direc.
1		CBS	59.25	BEAR	33		GM	39.40	BULL
2		COH	39.95	BEAR	34		GPRO	10.75	BULL
3		INFY	14.59	BEAR	35		ICE	67.05	BULL
4		NKE	53.24	BEAR	36		INTC	37.15	BULL
5		NTES	271.88	BEAR	37		KLAC	100.59	BULL
6		PEP	111.79	BEAR	38		KORS	46.16	BULL
7		UAL	58.79	BEAR	39		LLY	83.91	BULL
8		ULTI	185.18	BEAR	40		LMT	308.54	BULL
9		UTHR	114.61	BEAR	41		LVS	63.56	BULL
10		X	23.80	BEAR	42		MA	141.89	BULL
11		ALNY	114.00	BULL	43		MCHP	89.69	BULL
12		AMAT	47.73	BULL	44		MELI	279.46	BULL
13		AMGN	185.76	BULL	45		MON	119.77	BULL
14		AMTD	46.78	BULL	46		MRK	65.13	BULL
15		AXP	88.40	BULL	47		MU	36.19	BULL
16		BA	256.56	BULL	48		NFLX	187.79	BULL
17		BIDU	240.70	BULL	49		NOC	281.55	BULL
18		BMY	63.49	BULL	50		NVDA	179.00	BULL
19		C	71.38	BULL	51		OLED	132.54	BULL
20		CAT	124.40	BULL	52		PFE	35.96	BULL
21		CELG	143.50	BULL	53		SAP	110.25	BULL
22		CERN	69.63	BULL	54		SHW	349.76	BULL
23		CME	133.53	BULL	55		SINA	115.75	BULL
24		CSCO	33.38	BULL	56		SPLK	69.53	BULL
25		CVX	117.29	BULL	57		SPY	249.52	BULL
26		DATA	75.37	BULL	58		SYMC	33.02	BULL
27		DIA	223.28	BULL	59		TWTR	17.60	BULL
28		F	11.85	BULL	60		TXN	88.16	BULL
29		FAS	54.07	BULL	61		UPS	117.67	BULL
30		FDX	220.27	BULL	62		VMW	109.50	BULL
31		FSLR	51.50	BULL	63		VRSN	104.58	BULL
32		FXI	44.58	BULL	64		VZ	49.80	BULL

52 Week Highs and Lows

#	Sym	Last	52 Wk High	52 Wk L...
1	AAL	47.15	54.48	34.86
2	AAPL	151.88	164.94	104.08
3	ADBE	148.40	157.89	98.00
4	ADSK	111.78	119.73	67.15
5	AKAM	48.33	71.64	44.65
6	ALNY	114.00	117.44	31.38
7	ALXN	142.82	149.34	96.18
8	AMAT	47.73	48.53	27.56
9	AMBA	46.50	74.95	40.06
10	AMD	13.39	15.65	6.22
11	AMGN	185.76	191.10	133.64
12	AMTD	46.78	47.41	31.95
13	AMZN	953.99	1,083.31	710.10
14	AVGO	239.24	259.36	160.62
15	AXP	88.40	89.38	59.50
16	BA	256.56	256.99	129.86
17	BAC	25.00	25.80	14.81
18	BIDU	240.70	240.43	159.54
19	BIIB	318.46	330.00	244.28
20	BMY	63.49	63.74	46.01
21	BUD	116.39	136.08	98.28
22	BWLD	105.06	175.10	95.00
23	C	71.38	72.20	45.16
24	CAT	124.40	125.28	80.33
25	CBS	59.25	70.10	49.73
26	CELG	143.50	144.59	96.93
27	CERN	69.63	72.27	47.01
28	CHKP	111.73	116.63	74.34
29	CME	133.53	134.24	98.95
30	CMG	313.95	499.00	295.11
31	COH	39.95	48.85	34.07
32	COST	161.27	182.71	135.11
33	CREE	24.98	31.64	20.50
34	CRM	94.94	98.22	66.43
35	CSCO	33.35	34.60	29.12
36	CTRP	52.91	60.65	39.71
37	CTSH	72.06	73.00	45.44
38	CTXS	76.23	87.99	64.79
39	CVX	117.29	119.00	97.79
40	CYBR	42.52	56.25	39.34
41	DAL	48.38	55.75	37.91

#	Sym	Last	52 Wk High	52 Wk L...
42	DATA	75.37	76.30	41.41
43	DDD	13.50	23.70	12.02
44	DECK	63.55	72.72	44.00
45	DIA	223.28	223.97	178.64
46	DIS	98.60	116.10	90.32
47	ESRX	62.29	77.50	57.80
48	EXPE	145.75	161.00	108.50
49	F	11.85	13.27	10.47
50	FAS	54.07	54.49	27.42
51	FAZ	15.09	33.49	14.98
52	FB	170.20	175.49	113.55
53	FCX	14.19	17.06	9.24
54	FDX	220.27	222.71	168.00
55	FFIV	119.73	149.50	114.45
56	FOSL	8.88	36.87	6.80
57	FSLR	51.50	51.84	25.56
58	FXI	44.58	45.19	33.91
59	GD	205.41	206.57	148.76
60	GE	24.90	32.38	23.58
61	GILD	83.30	86.27	63.76
62	GLD	123.24	128.32	107.00
63	GM	39.40	39.24	30.21
64	GOOG	928.63	988.25	123.45
65	GPRO	10.75	17.68	7.14
66	GRMN	52.12	55.74	46.80
67	GS	230.73	255.15	157.77
68	GWPH	106.01	137.88	92.65
69	IBB	329.50	336.72	246.71
70	IBM	145.13	182.79	139.13
71	ICE	67.05	67.48	52.27
72	IFN	27.19	28.81	20.39
73	IIF	34.83	36.09	23.30
74	ILMN	201.41	214.34	119.37
75	IMAX	23.10	35.30	17.58
76	INFY	14.59	16.71	13.42
77	INTC	37.15	38.45	33.23
78	IWM	144.36	144.26	114.88
79	JAZZ	147.89	163.75	95.80
80	JNJ	131.39	137.08	109.32
81	JNPR	27.99	30.96	22.41
82	JPM	94.89	95.37	65.11

#	Sym	Last	52 Wk High	52 Wk L...
83	KLAC	100.59	109.59	68.43
84	KO	45.57	46.98	39.88
85	KORS	46.16	52.67	32.38
86	LLY	83.91	86.72	64.18
87	LMT	308.54	308.91	228.50
88	LOGM	111.16	123.95	85.22
89	LULU	58.62	72.70	47.26
90	LVS	63.56	66.22	51.35
91	M	21.53	45.41	19.32
92	MA	141.89	143.59	99.51
93	MCD	158.91	161.72	110.33
94	MCHP	89.69	91.83	57.52
95	MELI	279.46	297.95	148.98
96	MNST	55.81	57.25	40.64
97	MO	62.49	77.79	60.01
98	MON	119.77	119.60	97.35
99	MRK	65.13	66.80	58.29
100	MS	48.06	48.90	30.62
101	MSFT	74.41	75.97	56.31
102	MSTR	124.76	207.28	123.15
103	MU	36.10	36.60	16.17
104	MXIM	47.34	49.70	37.25
105	NFLX	187.79	191.50	94.04
106	NKE	53.24	60.53	49.01
107	NOC	281.55	281.57	210.60
108	NTAP	42.55	45.24	30.36
109	NTES	271.88	337.55	211.11
110	NVDA	178.90	191.20	63.53
111	OLED	132.54	145.30	47.88
112	ORCL	48.29	53.14	37.62
113	PANW	140.26	165.69	107.31
114	PCLN	1,862.31	2,067.99	422.19
115	PEP	111.79	119.39	98.50
116	PFE	35.96	36.21	29.83
117	PG	92.24	94.67	81.18
118	QCOM	52.09	71.62	48.92
119	QQQ	144.33	146.59	67.33
120	RDY	37.65	50.10	29.83
121	RHT	106.39	108.39	68.54
122	RL	88.42	114.00	66.06
123	SAP	110.25	110.67	80.93

#	Sym	Last	52 Wk High	52 Wk ...
124	SBUX	55.09	64.87	50.84
125	SHW	349.76	362.57	239.48
126	SINA	115.75	118.85	55.79
127	SODA	58.47	63.25	23.77
128	SOHU	54.92	58.98	32.60
129	SPLK	69.53	69.23	50.64
130	SPY	249.52	250.32	208.38
131	SSYS	22.94	30.88	16.37
132	STX	33.54	50.96	30.60
133	SWKS	102.51	112.11	71.65
134	SYMC	33.02	34.20	22.76
135	TARO	109.10	124.52	92.28
136	TGT	58.98	79.33	48.56
137	TJX	72.44	80.92	66.65
138	TRIP	44.36	66.13	35.34
139	TSCO	61.88	78.25	49.87
140	TSLA	351.85	389.61	178.19
141	TWTR	17.60	25.25	14.12
142	TXN	88.16	87.24	66.80
143	UAL	58.79	83.04	49.28
144	ULTA	219.10	314.86	204.01
145	ULTI	185.18	233.42	180.29
146	UPS	117.67	120.44	102.12
147	UTHR	114.61	169.89	110.90
148	V	105.63	106.83	75.17
149	VMW	109.50	112.00	72.05
150	VRSN	104.58	106.22	74.46
151	VZ	49.80	54.83	42.80
152	WDAY	103.84	111.45	65.79
153	WDC	86.48	95.77	52.10
154	WMT	79.52	81.99	65.28
155	WYNN	144.89	147.90	82.51
156	X	23.82	41.83	16.17
157	XHB	38.47	39.50	30.92
158	XLE	67.20	78.45	61.80
159	XLF	25.44	25.59	18.94
160	XLI	70.80	70.64	56.27
161	XLK	58.51	59.17	45.80
162	XLU	53.26	55.90	45.33
163	XLV	81.62	83.41	65.96
164	XONE	10.28	16.15	6.72

D%, W%, M%, YTD%

#	Sym	Last	1D%	W%	M%	YTD%
1	AAL	47.15	1.64	2.30	3.63	-0.47
2	AAPL	151.86	-0.99	(5.00)	-4.94	31.17
3	ADBE	148.40	-0.54	(3.88)	-2.46	43.58
4	ADSK	111.78	-0.46	(2.06)	0.69	49.82
5	AKAM	48.33	1.68	2.09	5.50	-28.16
6	ALNY	114.00	0.77	49.32	32.63	198.30
7	ALXN	142.82	-0.07	(2.64)	3.34	15.93
8	AMAT	47.73	1.30	1.34	7.47	47.62
9	AMBA	46.50	2.41	1.14	-9.12	-13.82
10	AMD	13.39	-0.83	6.23	9.29	16.46
11	AMGN	185.76	-0.47	(0.91)	9.23	25.63
12	AMTD	46.78	0.24	3.38	8.66	6.03
13	AMZN	953.52	-1.00	(3.21)	-1.22	26.02
14	AVGO	239.24	-0.48	(4.51)	-6.25	34.19
15	AXP	88.40	-0.02	1.62	3.63	17.77
16	BA	256.56	0.16	2.99	6.97	64.08
17	BAC	25.00	-0.56	2.63	4.99	10.71
18	BIDU	240.70	0.69	2.28	6.40	44.49
19	BIIB	318.46	1.08	(0.87)	11.07	11.42
20	BMY	63.49	0.05	1.41	9.87	7.79
21	BUD	116.39	-0.51	(3.70)	-0.43	11.08
22	BWLD	105.06	-2.57	(1.94)	-1.68	-32.55
23	C	71.38	-0.50	3.42	6.81	17.67
24	CAT	124.40	-0.29	2.52	7.43	32.37
25	CBS	59.25	0.74	1.72	-9.78	-9.45
26	CELG	143.50	0.08	1.30	10.44	23.51
27	CERN	69.63	0.22	(2.59)	6.52	45.97
28	CHKP	111.73	1.04	(0.89)	2.83	32.17
29	CME	133.53	0.28	2.19	6.17	15.50
30	CMG	313.95	0.35	2.88	2.88	-17.09
31	COH	39.95	0.85	(3.50)	-2.51	14.67
32	COST	161.27	-0.12	(0.62)	1.63	4.97
33	CREE	24.98	1.40	1.59	8.47	-6.20
34	CRM	94.94	0.08	0.33	2.14	37.02
35	CSCO	33.35	2.01	2.87	6.72	9.88
36	CTRP	52.91	-0.96	0.97	0.76	29.43
37	CTSH	72.06	0.28	0.33	6.17	27.20
38	CTXS	76.23	-0.07	0.01	0.29	6.07
39	CVX	117.29	0.70	2.32	10.28	-0.92
40	CYBR	42.52	1.61	2.81	6.09	-6.81
42	DATA	75.37	0.20	0.75	5.50	81.46
43	DDD	13.50	0.96	(1.53)	8.70	-0.95
44	DECK	63.55	0.71	(0.41)	2.65	12.88
45	DIA	223.28	-0.12	0.34	2.06	12.21
46	DIS	98.60	-0.29	0.08	-4.06	-6.36
47	ESRX	62.29	0.92	(0.57)	1.09	-10.26
48	EXPE	145.75	1.82	2.56	-1.25	27.82
49	F	11.82	1.01	1.89	11.17	-2.95
50	FAS	54.07	-0.30	4.67	6.77	28.74
51	FAZ	15.09	0.07	(4.31)	-7.08	-28.55
52	FB	170.27	-0.33	(0.64)	0.53	46.98
53	FCX	14.19	0.57	1.30	-6.70	4.23
54	FDX	220.27	0.53	2.41	5.12	17.92
55	FFIV	129.73	1.69	2.67	2.38	-17.80
56	FOSL	8.88	1.01	2.07	24.20	-65.94
57	FSLR	51.50	5.15	1.90	10.35	57.65
58	FXI	44.58	-1.10	0.54	3.36	27.01
59	GD	205.41	-0.15	3.60	2.08	17.79
60	GE	24.90	0.48	3.93	1.10	-21.47
61	GILD	83.30	0.78	1.10	13.54	15.11
62	GLD	123.24	0.45	(1.82)	0.84	12.42
63	GM	39.40	0.81	1.39	11.67	12.69
64	GOOG	929.43	-0.42	0.90	0.42	19.07
65	GPRO	10.75	-1.77	(6.68)	18.65	21.88
66	GRMN	52.12	0.78	(0.13)	1.37	8.00
67	GS	230.73	-0.11	2.58	3.33	-4.81
68	GWPH	106.01	-0.71	0.21	8.87	-3.28
69	IBB	329.50	-0.40	(0.57)	6.25	23.41
70	IBM	145.13	-0.09	0.21	2.92	-13.10
71	ICE	67.05	0.33	2.55	2.37	17.84
72	IFN	27.19	-1.43	(3.58)	-0.59	27.06
73	IIF	34.83	-1.98	(2.93)	1.81	36.43
74	ILMN	201.41	0.58	(4.42)	3.41	55.93
75	IMAX	23.10	0.87	4.76	27.98	-27.01
76	INFY	14.59	-0.34	(0.41)	2.31	-1.29
77	INTC	37.15	-0.05	0.49	7.30	1.56
78	IWM	144.36	0.42	1.33	5.88	5.72
79	JAZZ	147.89	0.07	(2.37)	0.78	34.45
80	JNJ	131.39	-0.27	(2.28)	-2.46	13.48
81	JNPR	27.99	1.00	0.68	1.52	-1.72
82	JPM	94.89	-0.21	3.50	3.57	8.58
83	KLAC	100.59	1.06	1.98	9.69	27.38
84	KO	45.57	0.20	(1.49)	-0.24	9.61
85	KORS	46.16	0.52	2.76	10.43	7.90
86	LLY	83.91	0.69	1.78	7.22	13.48
87	LMT	308.54	0.17	2.06	1.23	22.83
88	LOGM	111.16	0.49	(0.04)	-2.37	14.47
89	LULU	58.62	-0.79	(4.06)	-2.78	-11.83
90	LVS	63.56	-0.08	0.51	4.95	18.56
91	M	21.53	1.72	(4.65)	5.44	-40.41
92	MA	141.89	0.12	0.22	6.05	35.90
93	MCD	158.91	-0.08	1.27	-0.46	30.40
94	MCHP	89.69	1.46	0.08	8.44	39.03
95	MELI	279.46	-0.86	(1.15)	14.87	75.86
96	MNST	55.81	0.43	(0.66)	0.78	24.99
97	MO	62.49	1.58	0.16	-2.45	-7.75
98	MON	119.77	0.31	1.27	2.24	13.59
99	MRK	65.13	-0.72	(1.56)	4.34	10.11
100	MS	48.06	-0.08	3.48	5.82	11.91
101	MSFT	74.41	0.27	(1.20)	1.71	18.51
102	MSTR	124.76	0.20	(1.62)	-1.09	-37.16
103	MU	36.10	0.44	4.10	18.46	63.43
104	MXIM	47.34	1.07	(0.15)	5.72	21.27
105	NFLX	187.79	-0.76	2.74	10.64	49.93
106	NKE	53.24	0.09	(1.17)	-1.64	2.40
107	NOC	281.55	0.40	5.44	3.20	20.27
108	NTAP	42.55	1.62	3.70	9.95	20.06
109	NTES	271.88	-2.21	0.20	-1.95	23.81
110	NVDA	179.00	-0.98	(0.62)	10.12	71.46
111	OLED	132.54	0.49	0.49	19.87	131.18
112	ORCL	48.29	0.39	(1.19)	-2.23	25.42
113	PANW	140.26	0.14	(2.22)	5.89	11.45
114	PCLN	1,862.31	-0.23	1.03	2.42	26.08
115	PEP	111.79	-0.85	(2.61)	-5.15	6.58
116	PFE	35.96	-0.03	1.70	8.48	9.97
117	PG	92.24	-0.43	(1.10)	-0.59	9.97
118	QCOM	52.09	0.12	0.19	-0.50	-20.91
119	QQQ	144.33	-0.10	(1.19)	0.78	20.96
120	RDY	37.65	-0.16	11.49	21.05	-16.66
121	RHT	106.39	-0.51	(0.93)	1.34	51.60
122	RL	88.42	-0.07	(2.70)	3.63	-3.12
123	SAP	110.25	0.58	0.48	4.61	27.85
124	SBUX	55.09	0.15	0.77	1.18	-1.47
125	SHW	349.76	0.04	2.57	3.16	29.20
126	SINA	115.75	0.23	(0.56)	14.68	105.03
127	SODA	58.47	1.17	0.94	-0.05	49.70
128	SOHU	54.92	0.11	(1.59)	-0.11	58.77
129	SPLK	69.53	1.50	3.44	15.23	34.15
130	SPY	249.51	0.02	0.10	1.63	10.84
131	SSYS	22.94	0.74	(4.66)	5.47	35.90
132	STX	33.54	2.53	0.06	3.96	-12.71
133	SWKS	102.51	0.92	(5.91)	0.07	37.04
134	SYMC	33.02	-0.06	(0.66)	14.81	37.93
135	TARO	109.10	1.12	2.76	5.44	3.57
136	TGT	58.98	1.12	(1.62)	4.33	-18.81
137	TJX	72.44	-0.51	(1.75)	1.19	-4.12
138	TRIP	44.36	0.29	1.00	7.98	-5.09
139	TSCO	61.88	0.61	(3.23)	8.81	-20.52
140	TSLA	351.85	-4.38	(7.56)	2.85	63.30
141	TWTR	17.60	0.17	(2.22)	5.89	7.97
142	TXN	88.16	2.52	4.04	9.31	20.05
143	UAL	58.79	0.46	(1.67)	-9.12	-20.56
144	ULTA	219.10	-0.26	(2.45)	-5.39	-14.45
145	ULTI	185.18	-0.11	(1.18)	-6.94	1.32
146	UPS	117.67	0.35	(0.20)	2.68	1.86
147	UTHR	114.61	-0.74	(5.12)	-12.71	-20.48
148	V	105.63	0.24	0.25	1.43	34.03
149	VMW	109.50	0.07	(1.00)	9.23	39.35
150	VRSN	104.58	-1.14	0.18	4.33	36.72
151	VZ	49.80	1.92	4.26	3.21	-7.52
152	WDAY	103.84	0.06	(1.09)	-0.95	55.64
153	WDC	86.48	0.25	(2.30)	-0.20	25.42
154	WMT	79.52	-0.60	(1.06)	-0.61	14.86
155	WYNN	144.89	-0.34	1.18	6.43	66.18
156	X	23.82	-3.48	(5.02)	-1.73	-29.37
157	XHB	38.47	0.23	(0.77)	2.15	13.25
158	XLE	67.20	0.51	2.07	7.68	-11.71
159	XLF	25.44	-0.12	2.66	2.46	7.71
160	XLI	70.80	0.25	1.96	4.00	12.64
161	XLK	58.51	0.05	(0.37)	1.07	20.24
162	XLU	53.26	-0.83	(2.78)	-2.90	9.75
163	XLV	81.62	0.00	(1.22)	2.88	17.33
164	XONE	10.28	-0.19	(3.01)	-24.38	8.67

Algorithmic Trading

Algo. Techniques

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Current Algorithms

Trading Parabolic Arc Patterns

by Suri Duddella

Parabolic Arc chart patterns form when a steep rise in prices caused by irrational buying and intense speculation. Parabolic Arc patterns are rare, but they are reliable and are generated in mega bull trends. These patterns trend gradually making higher highs and lower lows in the beginning stages but can be volatile in the exhaustion and reversal stages. Irrational buying in the public generates a strong rally to push prices vertically, followed by a steep sell-off. Examples of this market types are the NASDAQ bullish markets during 1990-2000 (retraced 80%) and Gold prices from 2000-2011 (retraced 62%).

Parabolic Arc is a reversal pattern and has a very predictable outcome. Although these patterns are predictable, they are relatively difficult to trade since the market sentiment is bullish and may be fairly tough to point reversals to trade. Most Parabolic Arc patterns have a significant correction of 62-79% of its price rise (from the top).

Psychology behind Parabolic Arc Patterns

Parabolic Arc patterns consist of both panic buying and panic selling scenarios. As a stock breaks out and starts to rise investors tend to feel its rising cycle is never going to end and build confidence based on hysteria. This misjudgment provides a blind faith in investors as the stock chart takes exponential curve based structure. In the state of rising parabolic arc, the price continues to rise without a pause and (or)

with series of upside gaps. The stock price itself could multiply double or triple or quadruple in this process every year.

In its last stage, parabolic arcs move vertically as panic buying (climactic buy) in an absence of sellers on some unfounded expectations/news/events. Most of this climactic buy is driven by momentum and amateur traders, in fear of being left behind. Finally, the reality sets in with some negative event or unfavorable news, and it takes out the buyers, this creates Panic Selling. The prices reverse dramatically with large ranges as the initial buyers take profits. The traders who bought at the top also start to sell on panic. Hence, in most cases, Parabolic Arcs are great trades after it reaches its panic buying.
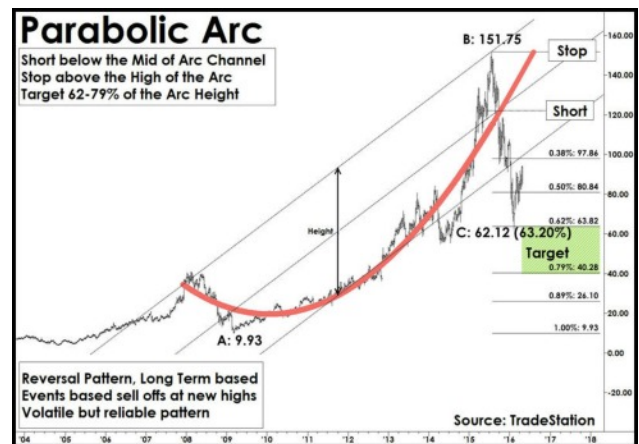
Trading Parabolic Arc Patterns

Trade: In Parabolic Arc patterns, prices move up vertically and eventually the acceleration comes to a stop and then reverses. Prices start showing lower-lows and may attempt to regain the top again. Draw a channel connecting the top and bottom of the pattern. Enter a "short" trade at the breakdown of the channel trend line connecting the pattern high and pattern lows.

Target: Measure the distance of the rise from the base to the top of the pattern. Most Parabolic Arc patterns return to the 62-79% of its rise. 50% is the first target.

Examples

The following chart shows the Parabolic Arc pattern formation in current USDCAD (weekly) from 2012 to 2016. Here are some of the key points and how it is traded.

Trading Parabolic Arcs

Parabolic Arc patterns are not quite easy to trade. As they are really long-term patterns (years to decades) and there is a fear associated with trading them. I consider these patterns only for shorting rather than trading upside. When prices are rising, there is a fear associated with shorting as prices can rise asymptotically for extended periods of time.

We have built proprietary algorithms to detect these patterns and built various trading theories on how to trade them. Most Parabolic arc patterns do return to 50-62% of its prior rise. Here are some examples.

Parabolic Arc Charts

The above chart shows CMG chart and its trade. CMG traded in Parabolic Arc from 2008 to 2017 from a low of $36 to a high of $758. Once Parabolic Arc is completed, a short trade signal is given below $630 with a price target between $311 to $397.

Following chart shows current EFX Parabolic Arc.
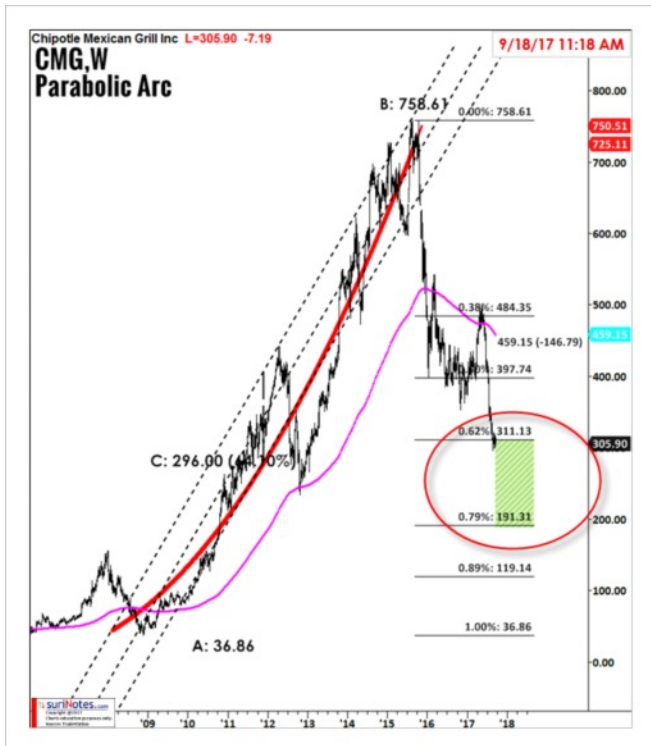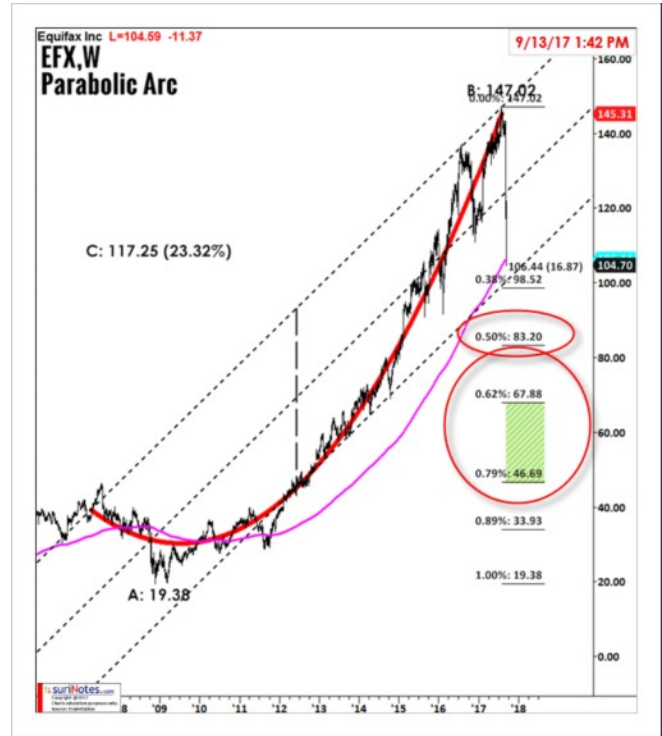
BWLD Parabolic Arc Pattern

ALNY Parabolic Arc Pattern

ALNY (W) traded in parabolic arc pattern from 2011 to 2016 from a low of $5.88 to a high of $140. In the middle of 2016, ALNY started drifting lower and gave a Parabolic Arc short signal at $115 with targets at $73, $34-57. In January 2017, ALNY reached its 50-62% price target.

NVDA Parabolic Arc Pattern

L=179.25 NVDA - Weekly -8.10

NVDA,W
Parabolic Arc

C: 165.32 (8.75%)

9/20/17 10:22 PM

B: 180.11
0.00%: 180.11

185.84
180.00

160.00

143.76
140.00

132.93

119.01

0.38%: 115.91

0.50%: 95.63

100.00

80.00

0.62%: 75.35

60.00

0.79%: 47.31

40.00

0.89%: 30.41

1.00%: 11.15

20.00

A: 11.15

0.00

'10 '11 '12 '13 '14 '15 '16 '17 '18

NVDA (D) is currently trading in Parabolic Arc pattern. Currently there is no trade trigger.

ADBE Parabolic Arc Pattern
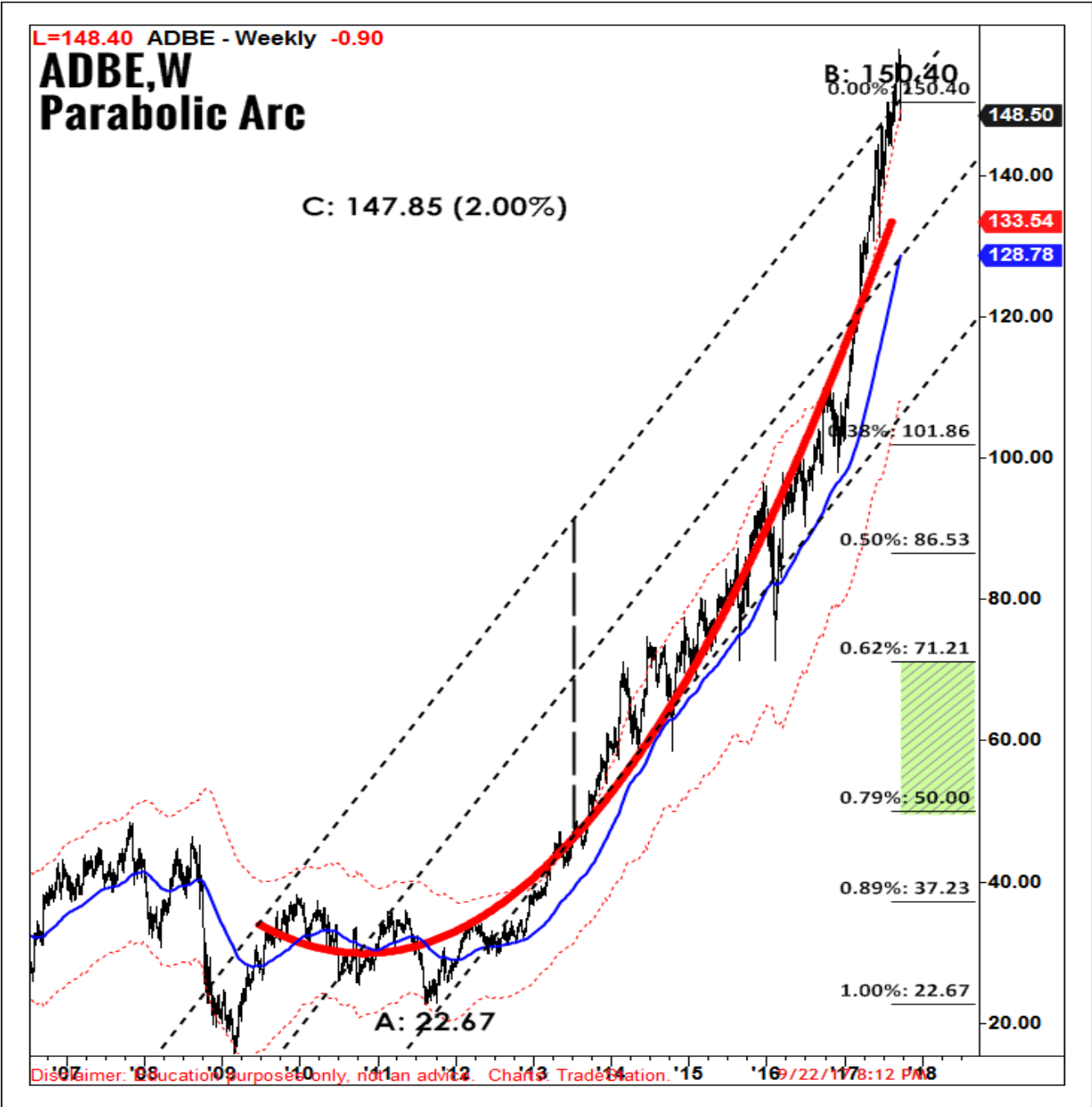
ADBE is trading in Parabolic Arc pattern. Currently there is no trade trigger.

Plato Algo. Performance Report (9/20/17)

Not for Sale or Lease.

	Symbol	Trade Date	Last Price	Num Days	Long Entry	Stop	P/L Pts	P/L %
	A	B	C	D	E	F	G	H
	ADBE	01/06/2017	150.13	180	108.53	140.09	45.96	42.35
	ADSK	12/09/2016	112.73	200	83.18	101.82	30.95	37.21
	AMGN	06/23/2017	187.75	60	175.55	166.66	11.92	6.79
	AMZN	01/13/2017	973	175	821.75	938.73	165.04	20.08
	AVGO	04/21/2017	242.72	105	219.22	233.44	31.33	14.29
	AXP	06/09/2017	88.43	70	80.83	81.6	6.16	7.62
	BA	10/21/2016	255.84	235	137.05	207.81	111.95	81.69
	BABA	01/27/2017	177.75	165	104.67	141.08	72.03	68.82
	BIDU	05/12/2017	237.5	90	188.08	196.75	47.13	25.06
	BIIB	06/23/2017	319	60	284.56	277.01	36.7	12.9
	C	08/05/2016	71.32	290	45.83	63.63	23.21	50.64
	CELG	06/23/2017	144.24	60	135.28	126.45	6.76	5
	CVX	03/11/2016	116.49	395	96.24	105.74	18.39	19.11
	DIA	09/23/2016	223.9	255	184.36	212.38	38.09	20.66
	EBAY	01/27/2017	38.41	165	32.95	34.23	5.45	16.54
	FB	01/13/2017	172.1	175	129.37	155.46	42.27	32.67
	FDX	06/02/2017	220.76	75	204.99	202.1	9.84	4.8
	GLD	08/11/2017	123.62	25	122.93	119.3	2.6	2.12
	GOOG	01/06/2017	930.72	180	808	897.04	112.29	13.9
	HD	09/08/2017	158.83	5	160.79	148.29	-2.39	-1.49
	INTC	08/04/2017	36.85	30	36.77	34.75	0.23	0.63
	JPM	06/30/2017	94.5	55	92.75	87.83	-1.13	-1.22
	MA	08/05/2016	141.92	290	97.04	123.51	44.54	45.9
	MS	06/30/2017	47.89	55	45.71	43.67	0.89	1.95
	MSFT	07/22/2016	74.91	300	56.94	69.67	18.37	32.26
	NFLX	12/02/2016	185.59	205	121.08	157.53	61.27	50.6
	ORCL	12/09/2016	47.96	200	40.87	47	7.87	19.26
	QQQ	01/06/2017	145.32	180	122.35	138	23.71	19.38
	SPY	11/11/2016	250.06	220	218.41	240.52	30.78	14.09
	TSLA	09/15/2017	374.25	0	380.1	317.88	-0.29	-0.08
	V	01/06/2017	104.96	180	82.59	96.05	22.71	27.5
	VRSN	10/28/2016	105.89	230	87.08	94.3	17.31	19.88
	WMT	02/24/2017	80.4	145	72.9	75.73	7.48	10.26
	WYNN	01/27/2017	145.5	165	104.15	125.12	39.07	37.51
	XLK	11/25/2016	58.81	210	48.17	55.49	10.57	21.94

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Symbols Universe

Symbols Universe

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

Books/Websites/Software

ABCD (Bullish)

Gartley (Bullish)

2B Buy (Bullish)

Trade Chart Patterns Like The Pros
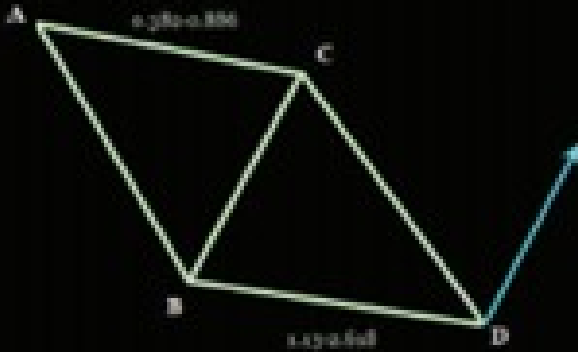
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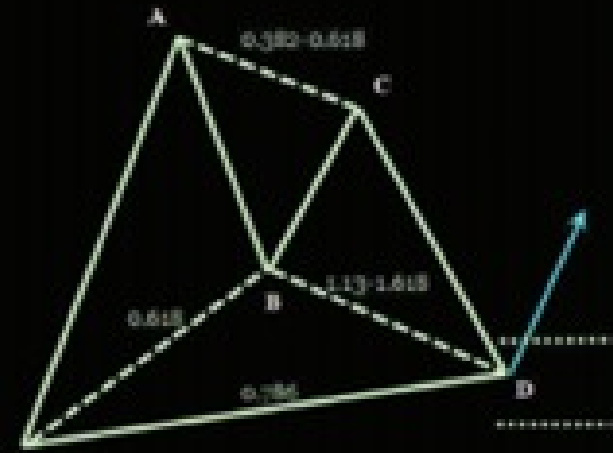225 + Illustrated Charts with Trade Info.
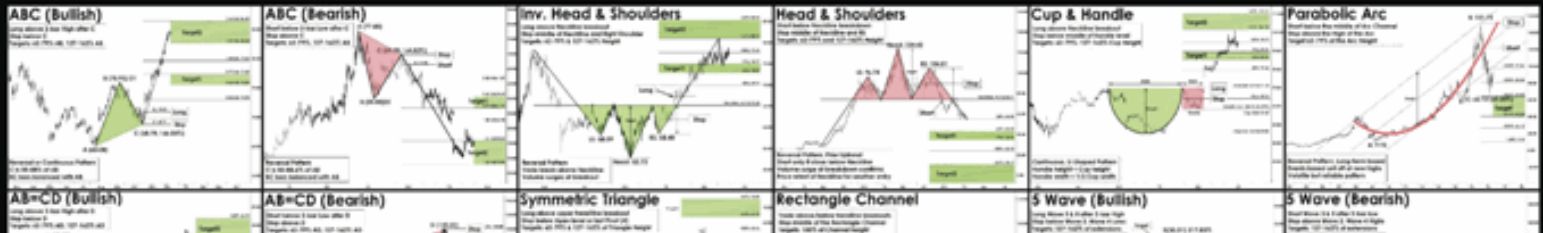
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ABC Bullish	Double Top	Rising Wedge
ABC Bearish	Double Bottom	Falling Wedge
AB=CD Bullish	Flags & Pennants	Diamond Tops
AB=CD Bearish	Gartley Bullish	Diamond Bottom
Ascending Triangle	Gartley Bearish	V-Top
Butterfly Bullish	Head & Shoulders	V-Bottom
Butterfly Bearish	Inv. Head & Shoulders	3-Drives Bullish
Cup & Handle	MegaPhone	3-Drives Bearish
Descending Triangle	Parabolic Arc	5-Wave Bullish
Symmetric Triangle	Rectangle Channel	5-Wave Bearish

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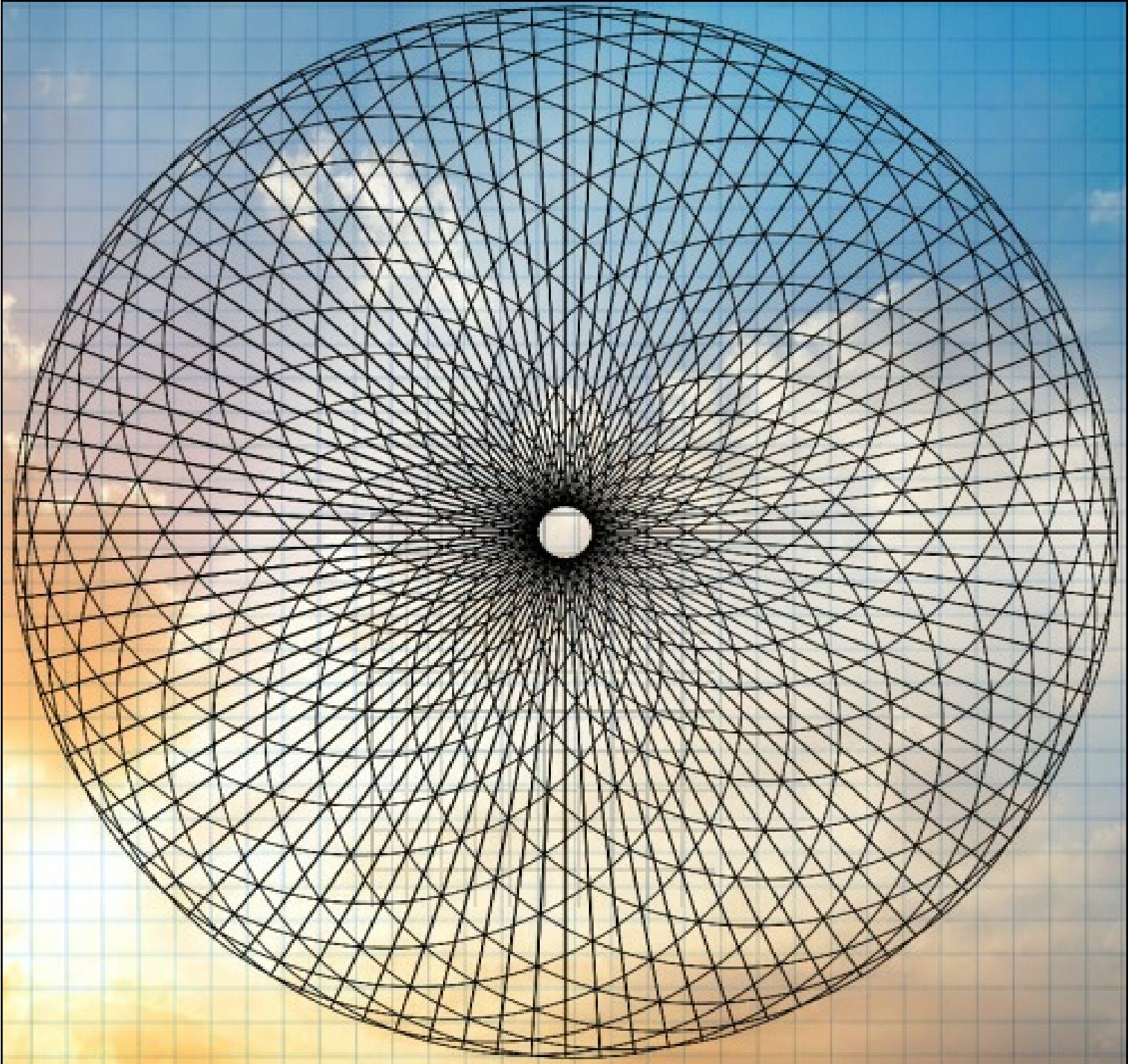
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