Chart Patterns & Algo. Trader

A Weekly Publication

Trading Bearish Shark Patterns

- Daily/Weekly/Monthly Analysis

- Auto Generated Chart Patterns/Analysis

- Algorithmic Trading Analysis/Results

- Relative Strength Ranks

SOCIAL MEDIA

Disclaimer:

Market Quotes

"To play any game successfully, you have to have some skill, an edge. But beyond that, it is money management. Good traders manage the downside; they don't worry the upside. "

- Mark Minnervini

" I don't know where speculation got such a bad name, since I know of no forward leap which was not fathered by speculation."

- John Steinbeck

"In the business world, the rearview mirror is always clearer than the windshield."

- Warren Buffett

"

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Chart Links

Major Indexes

■ Major Indexes

	Symbol	Last	Net Chg	suri.Chg%				
				1D%	W%	M%	YTD%	PYTD%
1	$INDU	26,071.72	53.91	0.21	1.04	5.76	5.47	25.08
2	$COMPX	7,336.38	40.33	0.55	1.04	5.76	6.27	28.24
3	$SPX.X	2,810.30	12.27	0.44	0.86	5.03	5.11	19.42
4	@TY(D)	122'04.5	-0'10.0	(0.17)	(0.39)	-1'22.0	(1.28)	0'29.5
5	@QM(D)	63.425	-0.475	(0.04)	(0.54)	12.027	5.84	4.609
6	@GC(D)	1,331.3	4.1	(0.90)	(0.58)	5.6	1.37	11.8
7	$TRAN	11,305.41	42.55	0.38	(0.60)	8.78	6.53	17.34
8	@US(D)	148 20/32	-26/32	(0.59)	(0.71)	-3 1/32	(2.33)	4 30/32
9	@SI(D)	17.035	0.081	(1.25)	(1.09)	6.401	(1.11)	4.702
10	@RTY	1,598.20	23.20	(0.89)	(1.32)	4.21	2.51	13.12

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

■ Major Indexes %Chg YTD

Major Market Indexes Trends
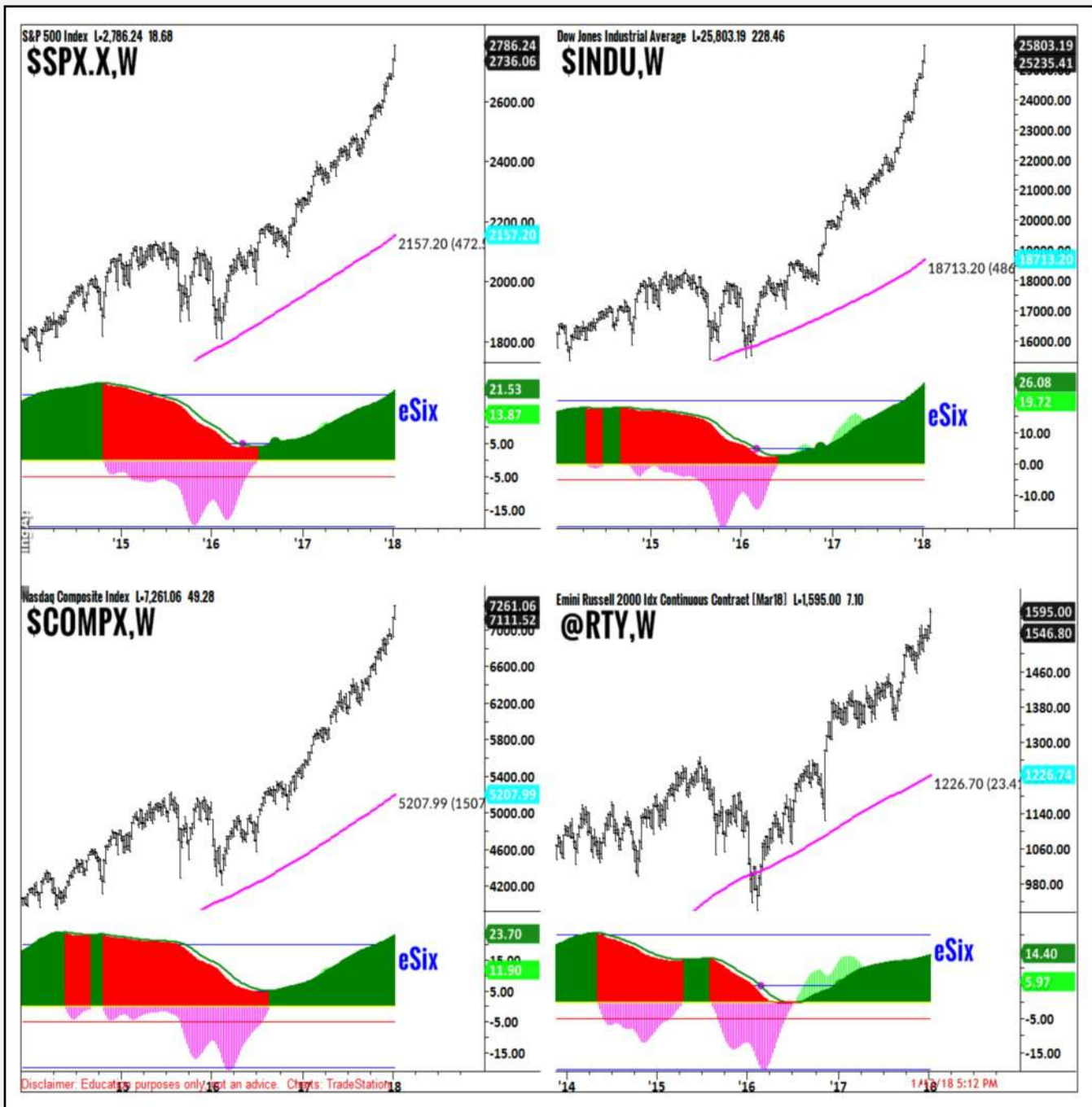
All four major market indexes (Weekly) charts are showing strong eSix trends.

Gold, Silver, Oil and 10 Yr Notes

Gold regained 200 SMA as it trades higher above 200 MA. Silver and Oil are below its 200 MA and Treasury Notes is just below 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 trading in Inv. H&S Pattern. Long entry above 51.615, Stop below 49.115 (2.500), Target1 Zone: 56.68 to 58.06, Target2 Zone: 62. to 64.9

@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

@TY ABC Bearish Pattern

@TY (10 Yr U.S. Treasury Notes) is trading in ABC Bearish pattern.

BRTI Parabolic Arc Pattern
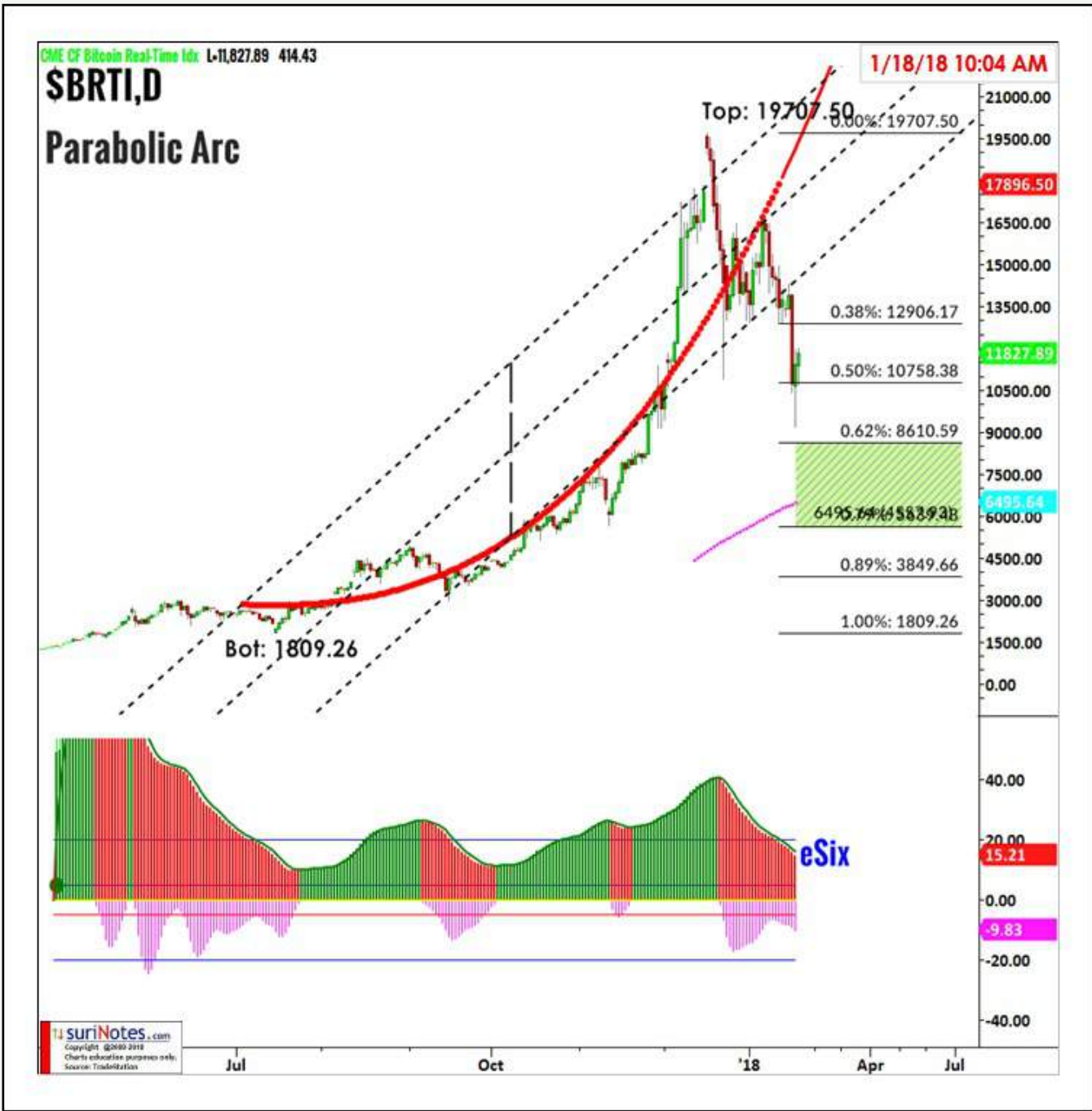
$BRTI (CME's Bitcoin Index) is trading in Parabolic Arc pattern. Targets: 10758, 6450-8610.

Social Media Stocks

Social Media Stocks (YTD%)

Social Media Stocks (NASDAQ) YTD%

1/17/18 11:24 AM

- 25.000%
- 24.116%
- WB (19.07%)
- 19.493%
- 17.610%
- YY (16.05%)
- 20.000%
- 15.000%
- SINA (11.62%)
- 10.000%
- GOOG (7.20%)
- 7.258%
- SOCL (4.40%)
- 5.000%
- FB (1.09%)
- 0.210%
- GRPN (-1.37%)
- -5.000%
- -5.306%
- NTES (-6.66%)
- -10.000%
- -14.927%
- GPRO (-15.98%)

11 18 26 '18 8 16 22 29 Feb 5

suriNotes.com
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Source: Trade Station
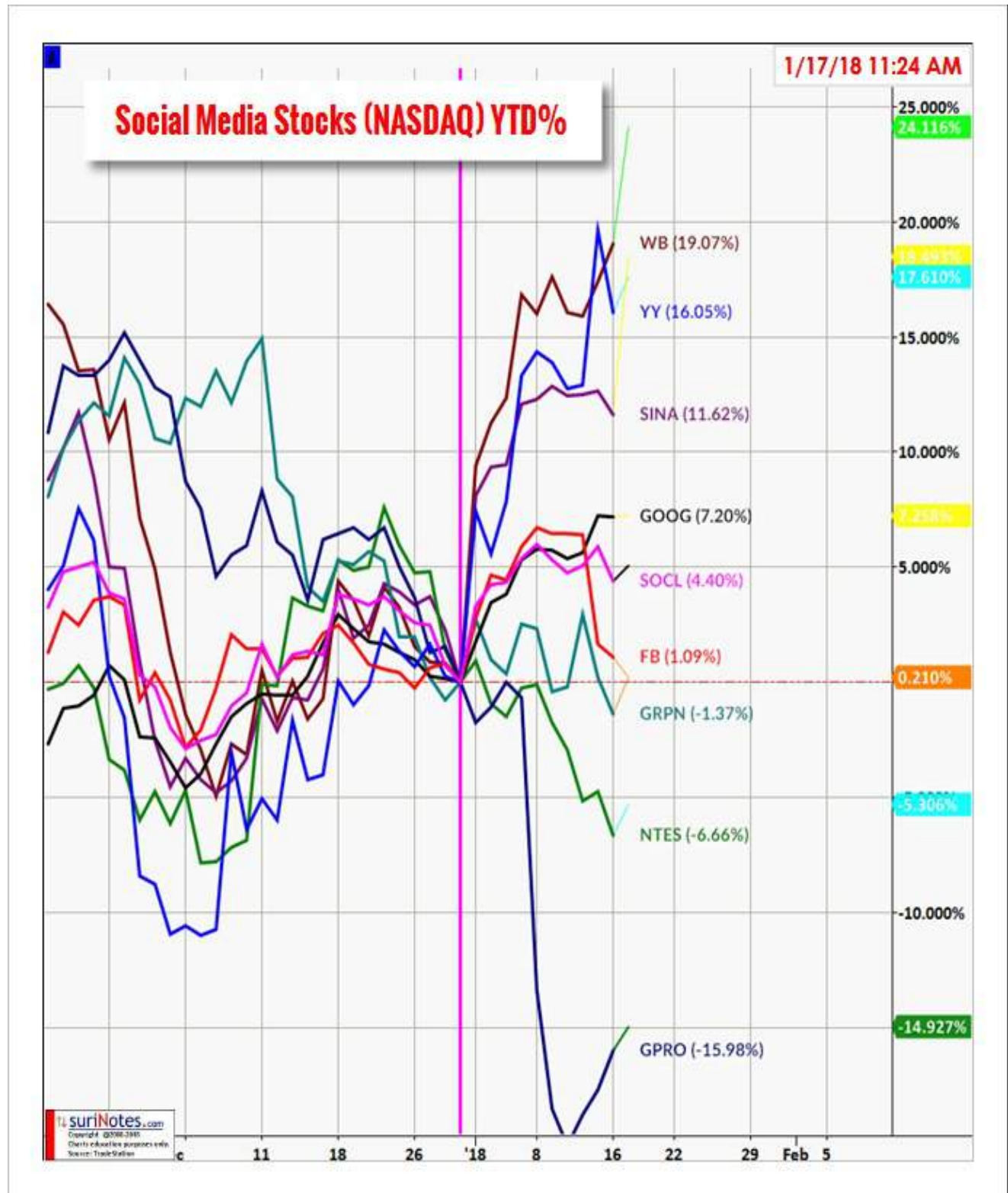
Social Media Stocks

SOCL	Global X Social Media ETF

S..	Sym	Name	Exch	Last	1D%	W			1/17/18 11:24 AM
1	**SOCIAL MEDIA**								
2	FB	Facebook Inc	NASDAQ	176.80	(0.55)	(0.55)	0.81	1.09	53.38
3	GOOG	Alphabet Inc Cl C Cap Stock	NASDAQ	1,122.35	(0.04)	(0.04)	7.81	7.20	35.58
4	GPRO	GoPro Inc Cl A	NASDAQ	6.45	2.04	2.09	20.80	(15.98)	-13.09
5	GRPN	Groupon Inc	NASDAQ	5.11	(1.59)	(1.57)	-9.37	(1.37)	53.61
6	NTES	Netease Inc Ads	NASDAQ	326.81	(2.10)	(2.05)	-6.51	(6.66)	60.24
7	P	Pandora Media Inc	NYSE	4.56	(1.10)	(1.09)	-9.02	(5.81)	-63.04
8	SINA	Sina Corp	NASDAQ	118.86	(0.92)	(0.91)	14.02	11.62	78.81
9	SOCL	Global X Social Media ETF	NASDAQ	34.62	(1.45)	(1.43)	4.15	4.40	52.41
10	TCEHY	Tencent Hldgs Ltd	OTC	57.38	(0.92)	(0.91)	11.71	8.63	114.37
11	TWTR	Twitter Inc	NYSE	24.57	(3.04)	(2.95)	13.90	2.71	47.30
12	WB	Weibo Corp	NASDAQ	128.49	1.42	1.44	21.14	19.07	154.83
13	YELP	Yelp Inc	NYSE	43.47	(4.15)	(3.99)	5.01	3.86	10.04
		YY Inc	NASDAQ	132.97	(3.06)	(2.97)	23.42	16.05	186.81

WB ABC Bullish Pattern

WB (D) ABC Bullish Pattern Long Entry above 106.85, Stop below 102.07 (-4.78), Target1 Zone: 122.9 to 128.6, Target2 Zone: 144.9 to 156.7

SOCL AB=CD (Bearish) Pattern

SOCL (W) is trading in AB=CD pattern as price reaches the second target zone (34.5-38). AB=CD pattern reversal must be confirmed by eSIX bearish/consolidation trend (RED).

GPRO Head and Shoulders Pattern

GoPro Inc Cl A GPRO(HB) - Daily L=6.30 -0.06   1/17/18 1:15 PM

GPRO,D
Head & Shoulders (F)

Head: 11.89

LS: 10.85   S: 10.70 (58.39%)

Neckline: 9.03/44.10

8.79 (-1.15)

38%: 7.94

62%: 7.26

Target1   79%: 6.78

100%: 6.17   6.30

127%: 5.40

Target2   162%: 4.40

eSix

Jul   Oct   '18

GPRO (Daily) is trading in Head and Shoulders pattern.

NTES Dragon Bearish pattern

NTES is trading in Dragon Bearish pattern.

YELP ABC Bullish Pattern

$YELP (W) ABC Bullish Pattern Long Entry above 30.93, Stop below 26.92 (-4.01), Target1 Zone: 44.8 to 49.6, Target2 Zone: 63.6 to 73.7

GOOG Asc. Triangle Pattern

GOOG (Daily) is trading in Ascending Triangle pattern. GOOG breakout level: $988.3, Target ranges: $1032-1048, 1093-1126, 1186-1219.

TCHEY ABC Bullish Pattern

$TCEHY (D) ABC Bullish Pattern Long Entry above 48.09, Stop below 46.78 (-1.31), Target1 Zone: 56.2 to 58.8, Target2 Zone: 66.2 to 71.6

Chart Patterns

Stocks/Options/Indexes

KO Cup & Handle Pattern
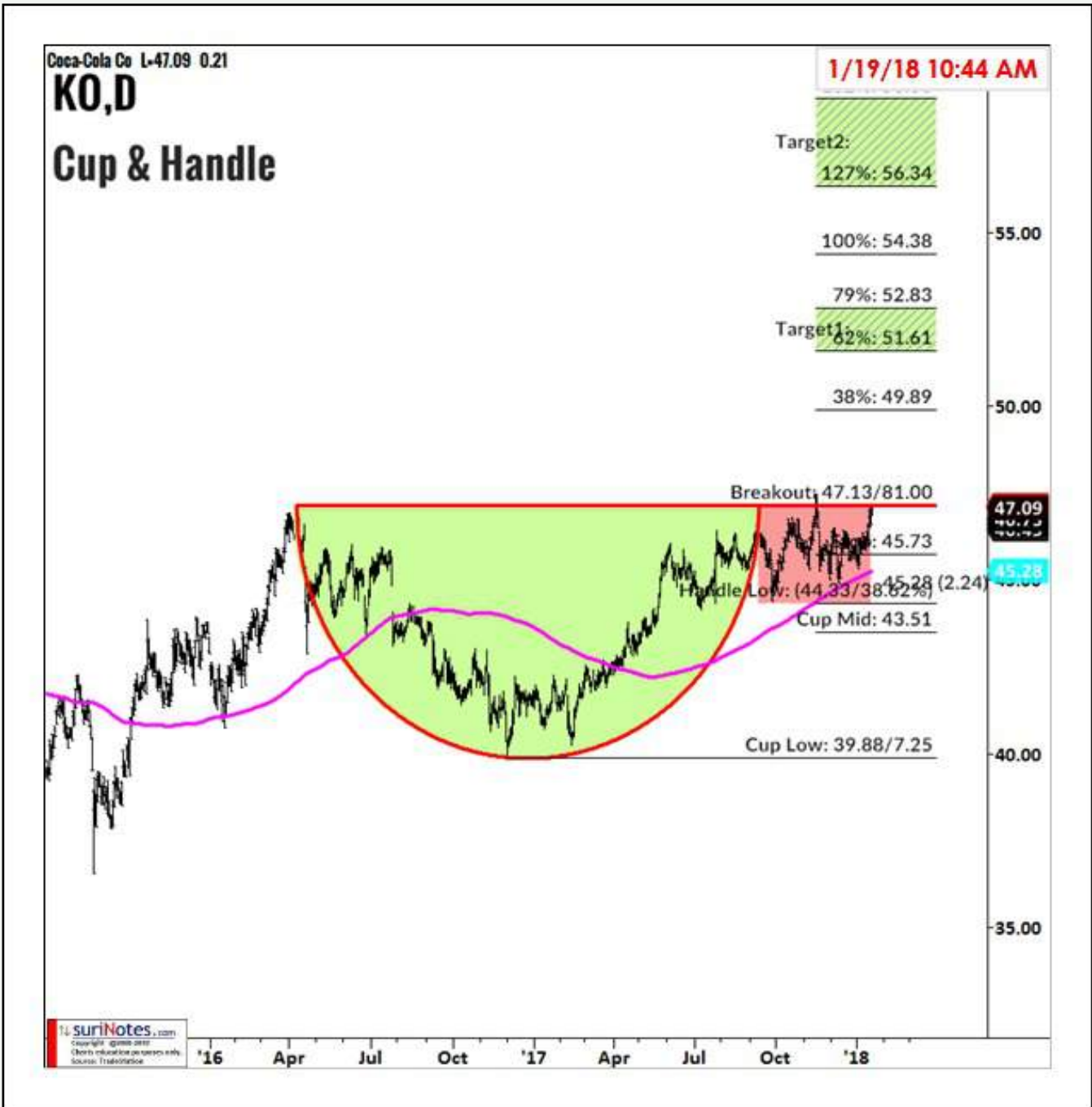
Reviewed in CPAT 1/08/18

$KO (D) is trading in Cup & Handle Pattern. Entry above breakout level: 47.13, Handle Low: 44.33, 38.62% below breakout level. T1: 51.6 to 52.8 T2: 56.3 to 58.9

CMG ABC Bullish Pattern

Chipotle Mexican Grill Inc L-335.91 1.28
CMG,D
ABC Bullish

Earnings: 02/06/2018 (19 days)

1/18/18 9:54 AM

2.62 AB: 470.66
2.27 AB: 446.05

1.62 AB: 400.33
1.27 AB: 375.72

363.68

1.00 AB: 355.73
0.79 AB: 341.68
0.62 AB: 329.86
0.38 AB: 313.13

B (333.33)/14

EL: 297.23
M: 291.81
ST: 286.39
C (286.40/66.75%)/(18br/128.57%)

A (263.00)

eSix

-1.80

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Jul   Oct   '18

Reviewed in CPAT 1/08/18

$CMG (D) ABC Bullish Pattern Long Entry above 297.23, Stop below 286.39 (-10.84), Target1 Zone: 329.9 to 341.7, Target2 Zone: 375.7 to 400.3

GILD ABC Bullish Pattern

Reviewed in CPAT 1/08/18

$GILD (D) ABC Bullish Pattern Long Entry above 72.04, Stop below 70.04 (-2.00), Target1 Zone: 84.0 to 87.7, Target2 Zone: 98.6 to 106.5

CVX Cup & Handle Pattern
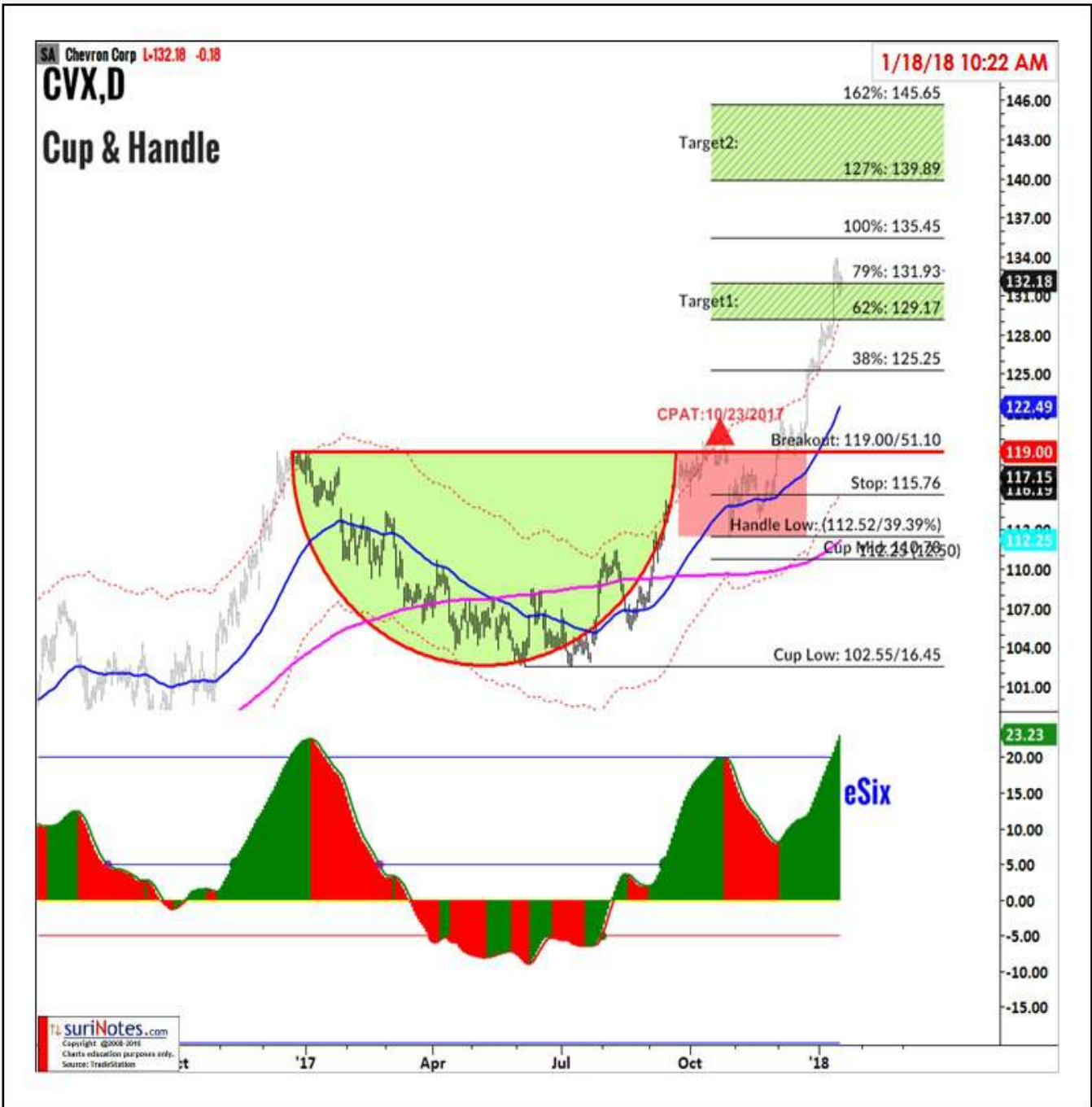
Reviewed in CPAT 10/23/17

$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 T2: 139.9 to 145.6

AMGN Cup & Handle Pattern
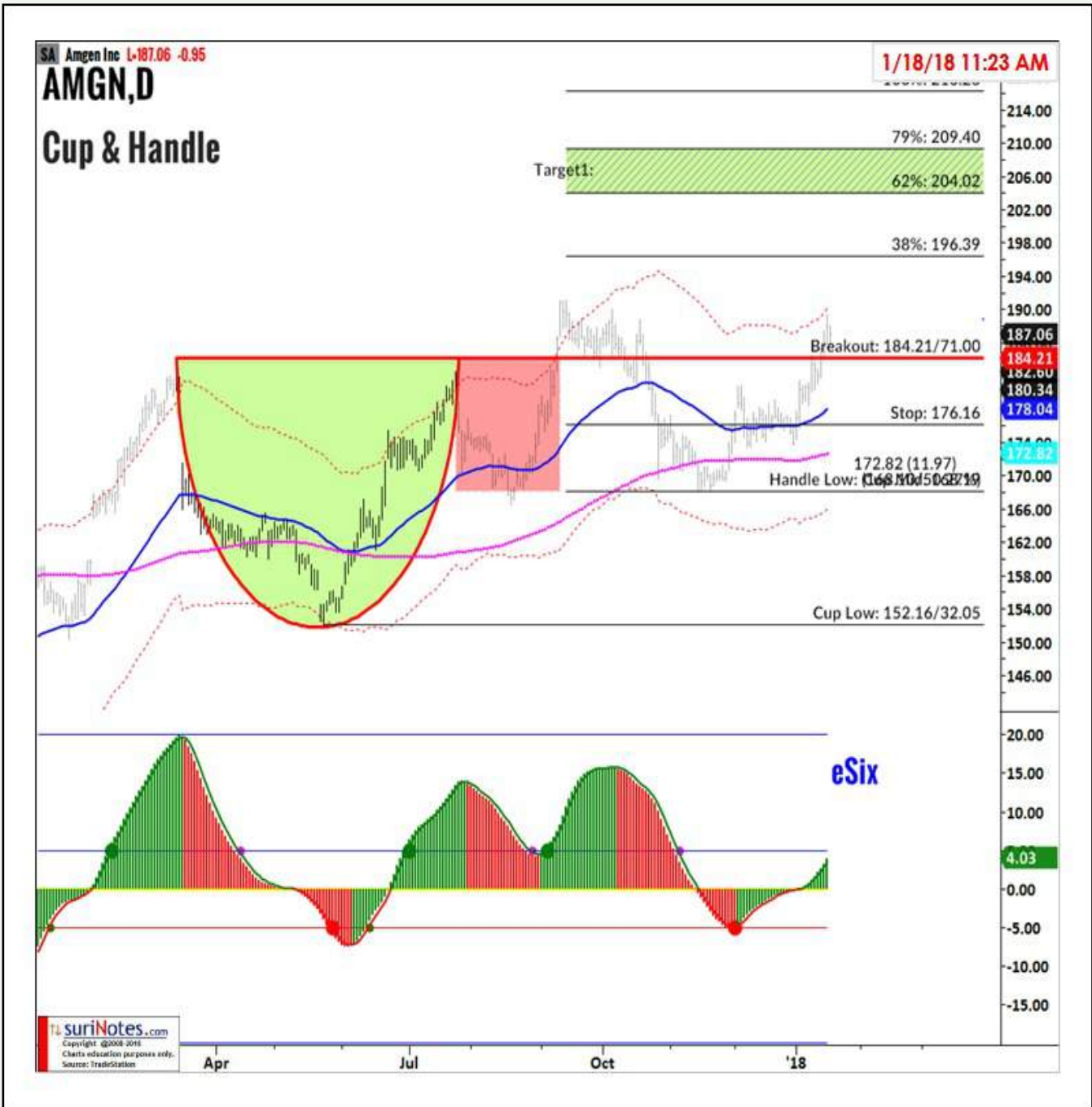
Reviewed in CPAT 10/23/17

$AMGN (D) is trading in Cup & Handle Pattern. Entry above breakout level: 184.21, Handle Low: 168.10, 50.27% below breakout level. T1: 204.0 to 209.4 T2: 224.9 to 236.1

TSLA ABC Bullish Pattern

$TSLA (D) ABC Bullish Pattern Long Entry above 317.89, Stop below 305.67 (-12.22), Target1 Zone: 339.6 to 348.8, Target2 Zone: 375.3 to 394.5

ADBE Parabolic Arc Pattern

Adobe Systems L▸194.26 -2.23
ADBE,W
Parabolic Arc
Earnings: 03/15/2018 (56 days)

Top. 195.50   1/18/18 11:46 AM
0.00%: 195.50   200.00
                        194.26
                        183.83
                        180.06
                        163.17
                       160.00
                       140.00
0.38%: 129.82
                       120.00
0.50%: 109.09
100.39 (63.93)   100.39
0.62%: 88.35
                        80.00
0.79%: 59.66   60.00
0.89%: 42.37   40.00
1.00%: 22.67   20.00
Bot: 22.67

                        29.63
eSix   20.00
                        10.00
                         0.00
                       -10.00
                       -20.00

'13   '14   '15   '16   '17   '18
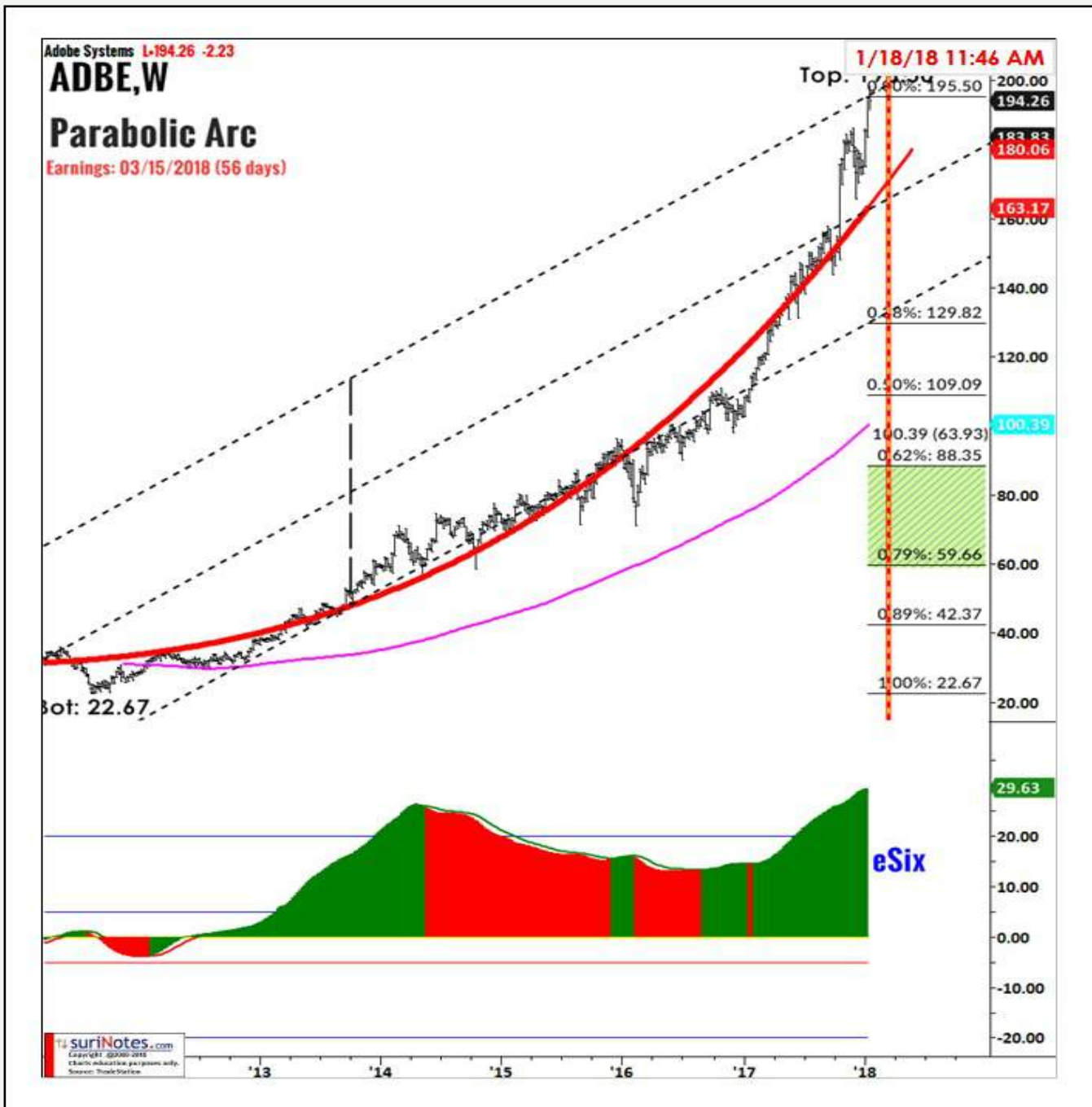
Reviewed in CPAT 09/18/17

ADBE (W) is trading in Parabolic Arc pattern.

BA Parabolic Arc Pattern

BA (Weekly) is trading in Parabolic Pattern.

SPLK Cup & Handle Pattern
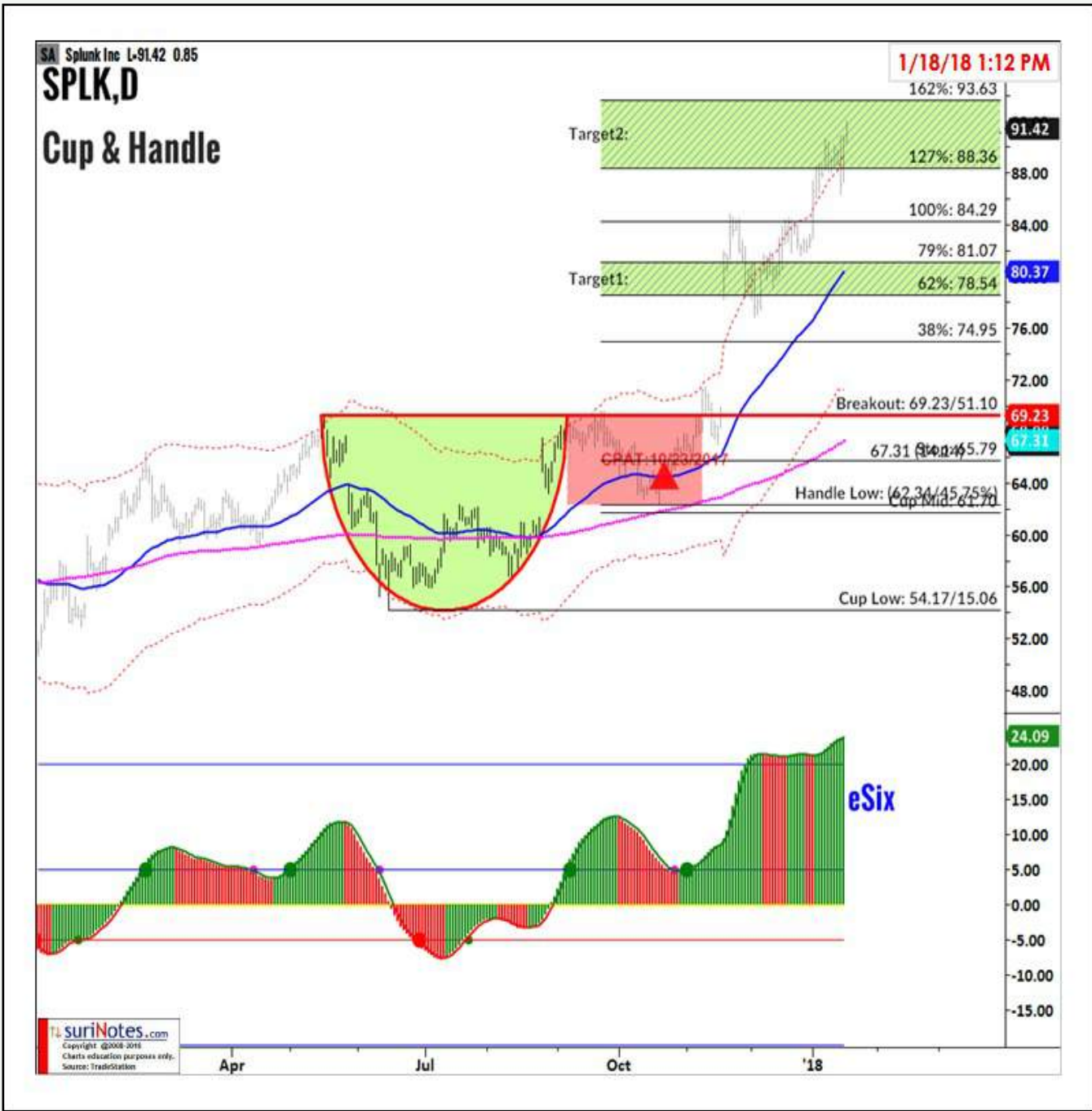
$SPLK (D) is trading in Cup & Handle Pattern. Entry above breakout level: 69.23, Handle Low: 62.34, 45.75% below breakout level. T1: 78.5 to 81.1 T2: 88.4 to 93.6

AVGO ABC Bullish Pattern

Reviewed in CPAT 1/08/18

$AVGO (D) ABC Bullish Pattern Long Entry above 261.30, Stop below 253.38 (-7.92), Target1 Zone: 286.9 to 296.0, Target2 Zone: 322.2 to 341.1

FSLR Cup & Handle Pattern
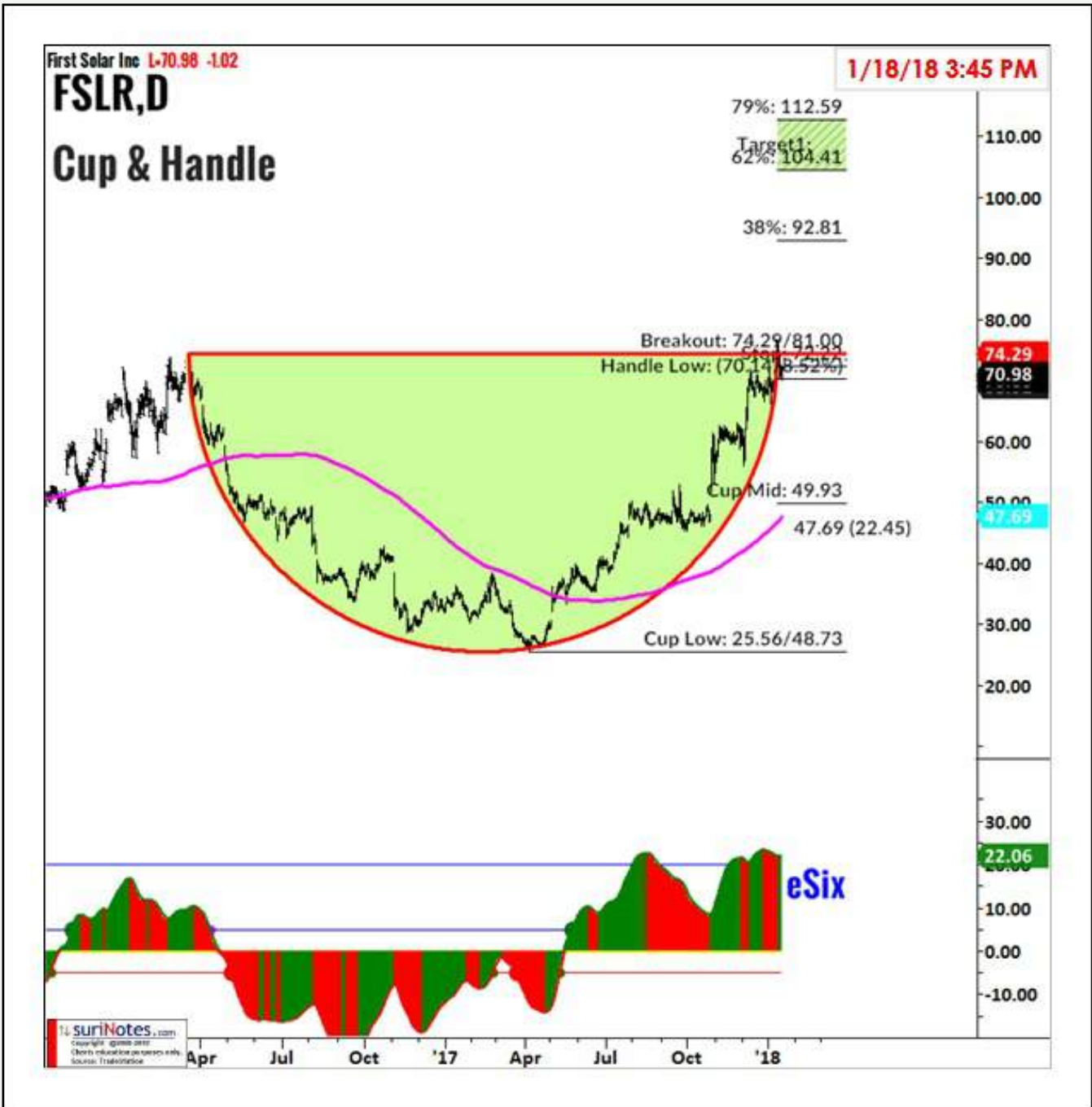
Reviewed in CPAT 1/08/18

$FSLR (D) is trading in Cup & Handle Pattern. Entry above breakout level: 74.29, Handle Low: 70.14, 8.52% below breakout level. T1: 104.4 to 112.6 T2: 136.2 to 153.2

XOP (W) ABC Bullish Pattern

Reviewed in CPAT 11/20/17

$XOP (W) ABC Bullish Pattern Long Entry above 30.66, Stop below 28.95 (-1.71), Target1 Zone: 43.1 to 47.0, Target2 Zone: 58.1 to 66.1

FIVE (W) ABC Bullish Pattern

Reviewed in CPAT 11/20/17

$FIVE (W) ABC Bullish Pattern Long Entry above 38.41, Stop below 35.02 (-3.39), Target1 Zone: 50.9 to 55.3, Target2 Zone: 67.7 to 76.7

TIF Rectangle Channel Pattern
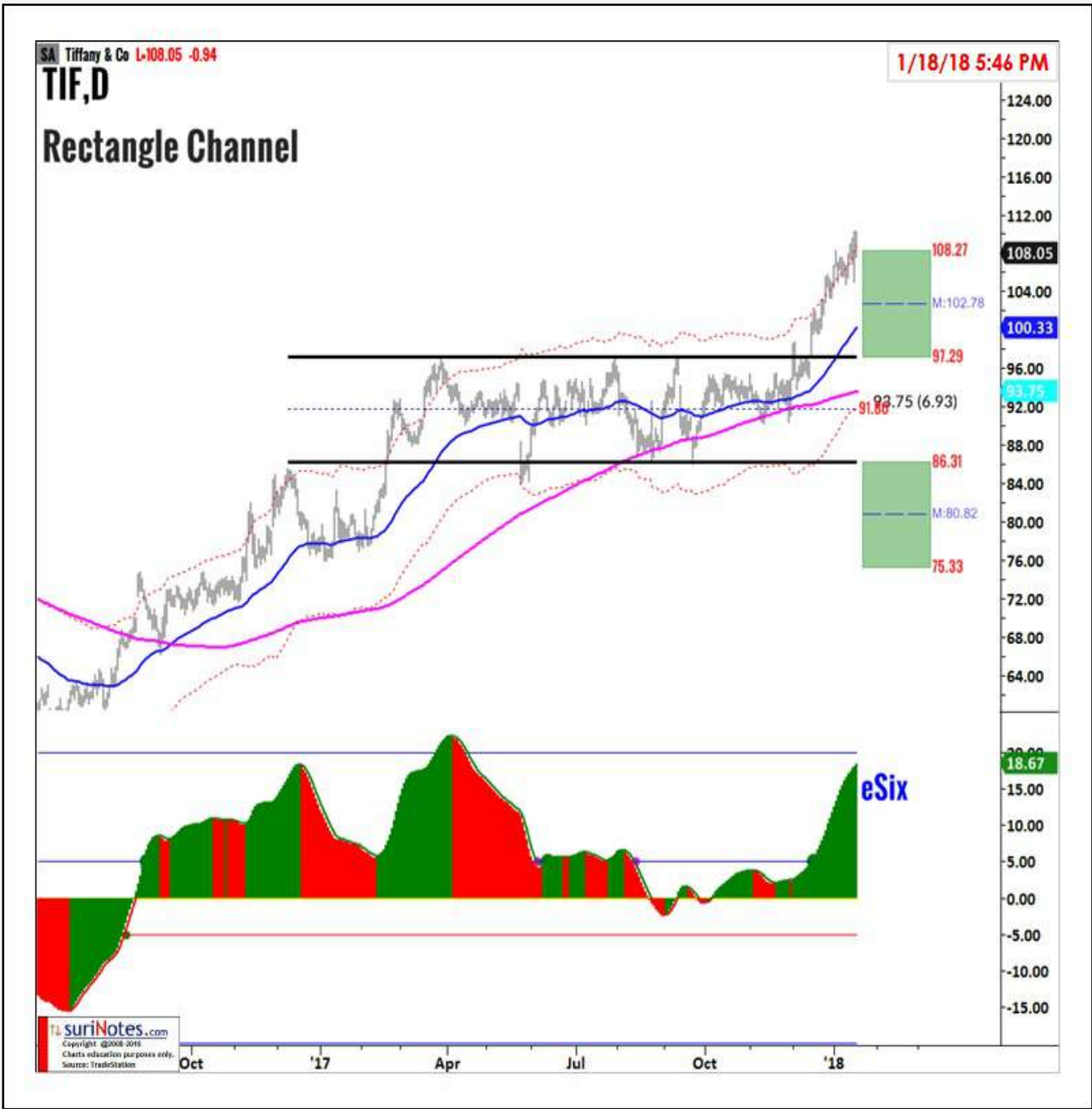
TIF (Daily) is trading in Rectangle channel pattern. Rectangle Channel breakout is above $97.29 and target levels: 102.78, 108.27

NKE Rectangle Channel

Reviewed in CPAT 9/18/17

$NKE (Daily) is trading in Rectangle Channel. Channel breakout level: $59, Target levels: $63, $67.

Chart Patterns

Futures & Commodities

Futures Chg%

S..	PlotSymbol			Last	suri.Chg%				
	Sym	Name	Exch		1D%	W%	M%	YTD%	PYTD%
1	**Futures**								
2	@AD	Australian Dollar Continuous C	CME	0.8000	(0.13)	1.10	.2498	2.38	9.00
3	@BP	British Pound Continuous Cont	CME	1.3917	0.09	1.13	.1035	2.68	8.38
4	@C	Corn Continuous Contract [Ma	CBOT	52	(0.43)	1.52	7/8	0.21	(12.80)
5	@CD	Canadian Dollar Continuous Co	CME	0.80505	(0.19)	0.45	44973	0.76	6.85
6	@CL	Crude Oil Continuous Contract	NYMEX	63.33	(0.05)	(0.56)	12.03	5.83	4.59
7	@DX	U.S. Dollar Index Continuous C	ICEUS	90.285	(0.02)	(0.48)	2.960	(1.67)	(9.37)
8	@EC	Euro FX Continuous Contract [	CME	1.22760	0.02	0.47	46105	1.74	11.71
9	@FC	Feeder Cattle Continuous Cont	CME	147.300	0.82	3.17	2.776	3.15	14.07
10	@GC	Gold Continuous Contract [Feb	COMEX	1,329.2	(0.90)	(0.58)	5.6	1.37	11.75
11	@HG	Copper Continuous Contract [N	COMEX	3.2130	0.31	(0.61)	.1172	(3.08)	27.24
12	@HO	Heating Oil Continuous Contra	NYMEX	2.0531	(0.36)	(1.12)	.9763	(0.31)	17.15
13	@JY	Japanese Yen Continuous Conti	CME	0.90275	0.09	0.03	31999	1.38	1.72
14	@KC	Coffee C Continuous Contract [	ICEUS	120.95	(1.65)	(0.94)	0.67	(4.04)	(16.37)
15	@LC	Live Cattle Continuous Contrac	CME	122.025	0.80	3.90	2.350	0.33	8.33
16	@LH	Lean Hogs Continuous Contract	CME	73.300	0.44	2.06	8.022	1.78	2.35
17	@NG	Natural Gas Continuous Contra	NYMEX	3.184	(1.35)	(0.34)	9.215	7.99	(33.74)
18	@NQ	E-Mini NASDAQ-100 Continuo	CME	,820.00	(0.16)	0.56	6.30	6.31	30.75
19	@O	Oats Continuous Contract [Ma	CBOT	58 6/8	2.12	4.11	3 1/8	7.78	(7.31)
20	@OJ	Frozen Concentrated OJ Contir	ICEUS	144.85	3.61	6.64	-1.56	6.14	(21.17)
21	@PL	Platinum Continuous Contract	NYMEX	,006.50	(0.37)	1.10	13.78	7.34	2.08
22	@QM	E-mini Crude Oil Continuous Cc	NYMEX	63.325	(0.04)	(0.54)	2.027	5.84	4.61
23	@RR	Rough Rice Continuous Contra	CBOT	12.110	(0.04)	2.84	1.166	2.02	5.08
24	@S	Soybeans Continuous Contract	CBOT	74 2/8	0.44	1.30	-5/8	1.17	(8.77)
25	@SB	Sugar No. 11 Continuous Contr	ICEUS	13.13	(2.60)	(7.76)	-5.01	(13.72)	(25.87)
26	@SF	Swiss Franc Continuous Contra	CME	1.0465	0.28	1.03	.5950	1.45	2.01
27	@SI	Silver Continuous Contract [Ma	COMEX	17.025	(1.25)	(1.09)	6.401	(1.11)	4.70
28	@TY	10 Yr U.S. Treasury Notes Cont	CBOT	22'09.5	(0.17)	(0.39)	1'22.0	(1.28)	0.92
29	@W	Wheat Continuous Contract [N	CBOT	26 2/8	0.88	1.13	1 5/8	(0.41)	(15.32)
30	Disclaimer: Education purposes only, not an advice. Charts: TradeStation				1/18/18 8:44 PM				

Futures Weekly Performance

Relative Performance

Futures | 1-Week Performance | GO

Futures: 1-Week Performance (202)
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Instrument	Performance
OrangeJ	7.3%
LiveCattle	4.1%
RoughRice	3.7%
NatGas	3.3%
Oats	3.0%
FeederCatt	3.0%
Palladium	2.8%
SoyBeans	2.6%
BritPound	2.4%
LeanHog	1.9%
Dow	1.9%
Nasdaq	1.8%
SPX	1.5%
Euro	1.5%
AusS	1.3%
SwissFranc	1.3%
Corn	1.1%
Gold	0.71%
Silver	0.44%
Nikkei	0.23%
Yen	0.23%
CanadaS	0.18%
Oil	-0.51%
Crude	-0.55%
HeatingOil	-0.72%
10-Yr	-0.80%
30-Yr	-1.2%
USDollar	-1.3%
Coffee	-1.3%
Copper	-1.6%
Wheat	-2.3%
Sugar	-6.6%

Disclaimer: Education purposes only, not an advice. Charts: TradeStation.   1/19/18 4:44 PM

@AD ABC Bullish Pattern

$@AD (D) ABC Bullish Pattern Long Entry above 0.7567, Stop below 0.7497 (-0.0070), Target1 Zone: 0.800 to 0.814, Target2 Zone: 0.853 to 0.881

@CD Inv. H&S Pattern

@CD (W) is trading in Inv. H&S Pattern. Long entry above 0.80760, Stop below 0.76782 (0.03978), Target1 Zone: 0.8827 to 0.9031, Target2 Zone: 0.9619 to 1.0044

@EC Inv. H&S Pattern

Euro FX Continuous Contract [Mar18] @EC(D) - Weekly   L=1.22370 -0.00465   1/17/18 9:09 PM

@EC,W
Inv. H&S (F)

200%: 1.47570

162%: 1.42315

Target2

127%: 1.37480

100%: 1.33745

79%: 1.30785

Target1   62%: 1.28465

38%: 1.25175

1.22370

Neckline: 1.19920/32.10

1.19326

1.19325 (-21.54500)

RS: 1.16530 (24.52%)

1.16715

LS: 1.09100

eSix

2.20

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Source: TradeStation

'15   '16   '17   '18

@EC (W) is trading in Inv. H&S Pattern (F). Long entry above 1.19920, Stop below 1.18225 (0.01695), Target1 Zone: 1.2846 to 1.3079, Target2 Zone: 1.3748 to 1.4232

@EC Cup & Handle Pattern

Reviewed in CPAT 1/08/18

$@EC (D) is trading in Cup & Handle Pattern. Entry above breakout level: 1.19920, Handle Low: 1.11530, 60.69% below breakout level. T1: 1.2846 to 1.3079 T2: 1.3748 to 1.4232

@LH ABC Bullish Pattern

$@LH (D) ABC Bullish Pattern Long Entry above 67.379, Stop below 65.375 (-2.004), Target1 Zone: 72.09 to 73.91, Target2 Zone: 79.15 to 82.94

@RR ABC Bullish Pattern

@RR (W) ABC Bullish Pattern Long Entry above 12.255, Stop below 11.520 (-0.735), Target1 Zone: 13.42 to 13.93, Target2 Zone: 15.41 to 16.48

@SF Dragon Bullish Pattern
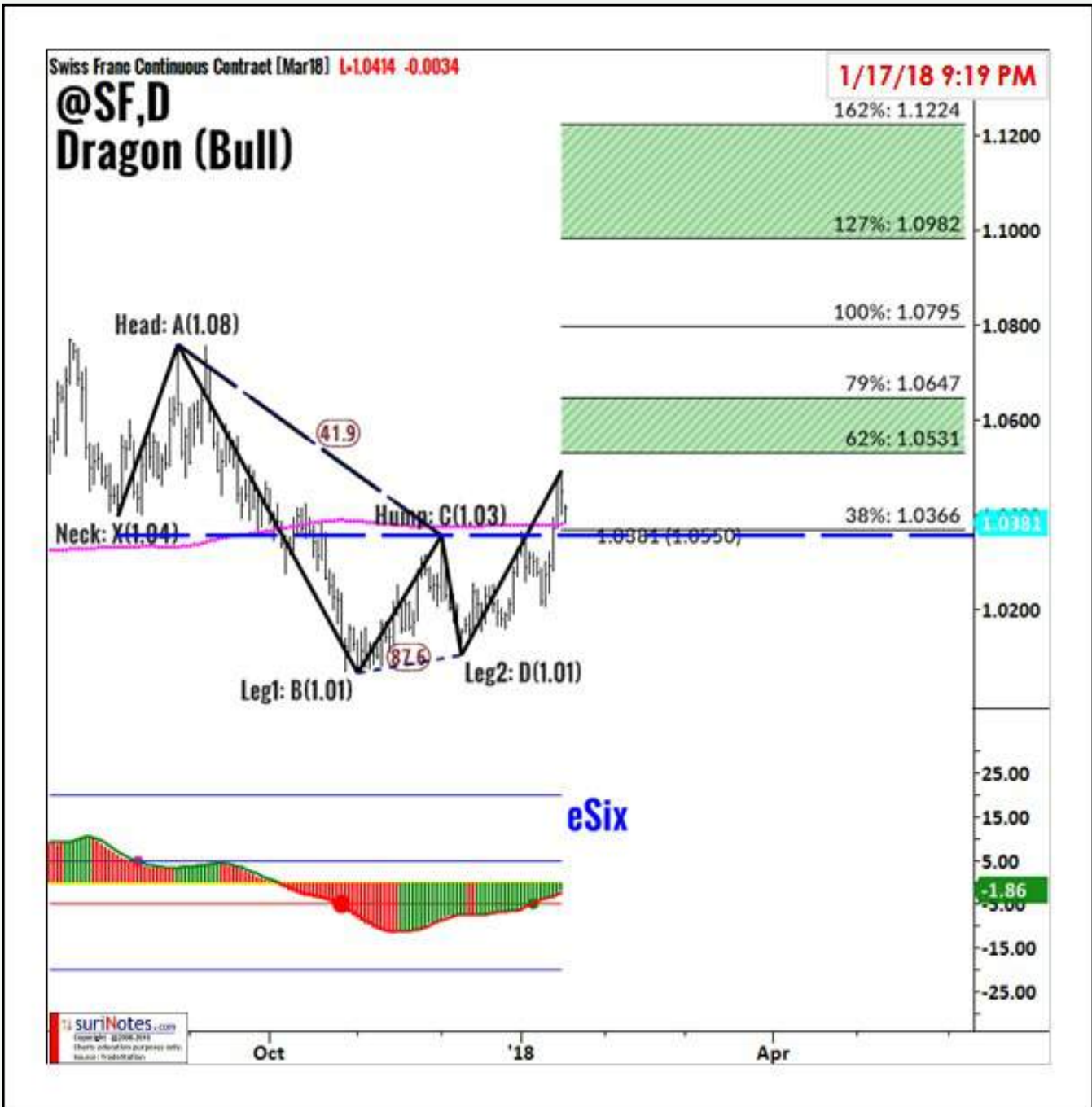
@SF is trading in Bullish Dragon Pattern.

Chart Patterns
FX

FX Weekly Performance

Relative Performance

| FX ▼ | 1-Week Performance ▼ | **GO** |

FX: 1-Week Performance (202)
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Pair	Performance
NZDUSD	2.7%
GBPUSD	2.5%
NZDCAD	2.4%
GBPCAD	2.2%
@AD	2.1%
AUDUSD	2.1%
@BP	1.9%
AUDCAD	1.7%
EURUSD	1.7%
EURCAD	1.4%
@EC	1.3%
@JY	1.3%
NZDCHF	1.3%
NZDJPY	1.1%
GBPCHF	1.1%
GBPJPY	0.95%
@SF	0.81%
AUDCHF	0.59%
GBPAUD	0.48%
AUDJPY	0.47%
EURCHF	0.30%
EURJPY	0.18%
@CD	0.02%
USDHKD	-0.00%
CHFJPY	-0.12%
GBPNZD	-0.18%
EURAUD	-0.30%
USDCAD	-0.30%
USDSGD	-0.65%
AUDNZD	-0.65%
EURGBP	-0.77%
SGDJPY	-0.90%
EURNZD	-0.95%
CADCHF	-1.1%
CADJPY	-1.3%
USDCHF	-1.4%
USDJPY	-1.6%
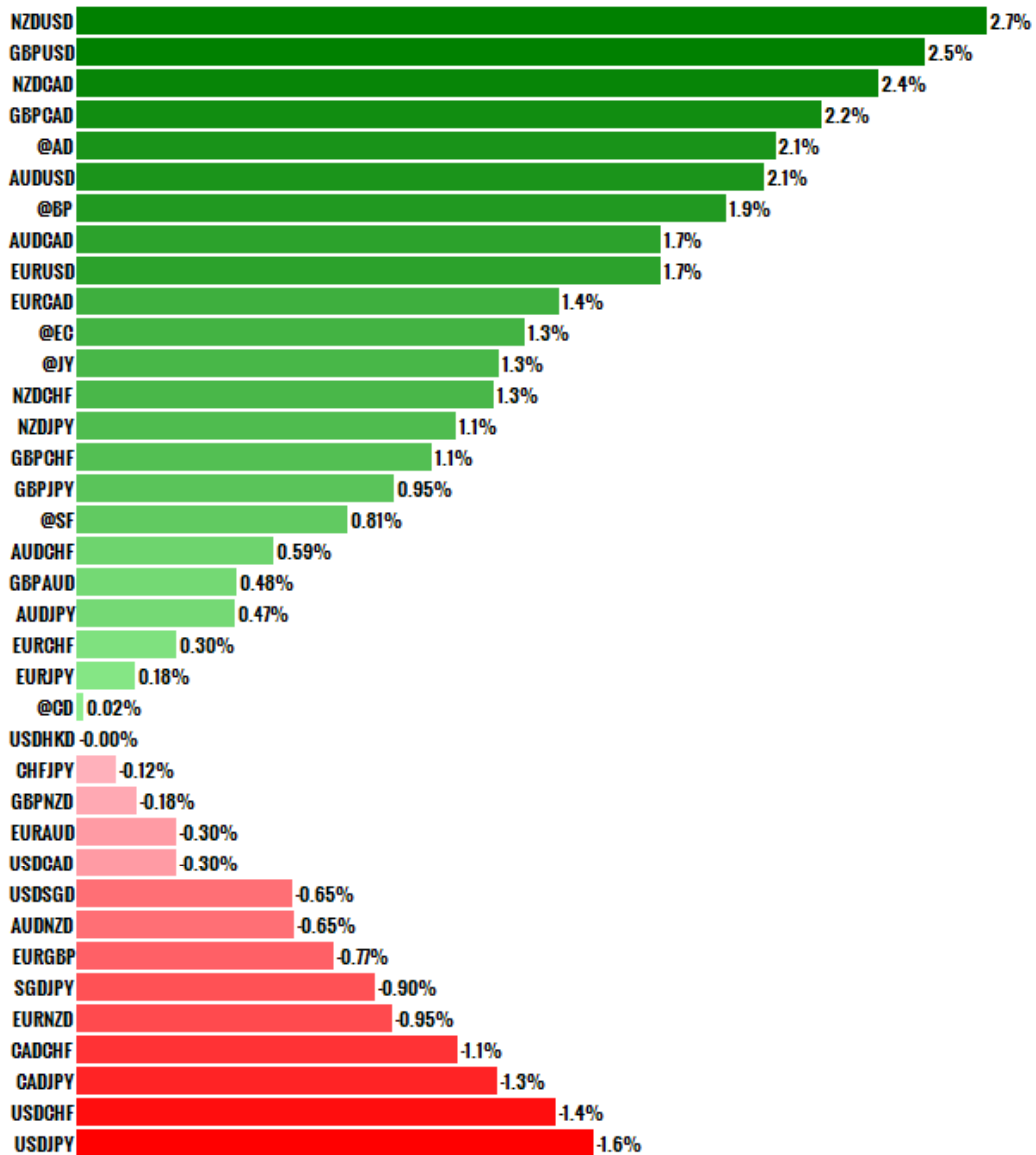
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FX Chg%

S..	PlotSymbol			Last	suri.Chg%				
	Sym	Name	Exch		1D%	W%	M%	YTD%	PYTD%
1	**FXPairs**								
2	AUDCAD	Aust Dollar / Canadian Dollar	FOREX	0.99481	0.21	0.74	1.0	1.16	1.46
3	AUDCHF	Aust Dollar / Swiss Franc	FOREX	0.76786	(0.31)	0.24	1.4	0.91	3.66
4	AUDJPY	Aust Dollar / Japanese Yen	FOREX	88.924	0.18	1.18	3.3	1.12	4.32
5	AUDNZD	Aust Dollar / New Zealand $	FOREX	1.09774	(0.02)	0.48	0.3	(0.32)	5.88
6	AUDUSD	Aust Dollar / US Dollar	FOREX	0.80067	0.35	1.09	4.7	2.50	8.35
7	CADCHF	Canadian Dollar / Swiss Franc	FOREX	0.77178	(0.52)	(0.42)	0.4	(0.22)	2.23
8	CADJPY	Canadian Dollar / Japanese Yen	FOREX	89.375	(0.03)	0.51	2.3	0.01	2.85
9	CHFJPY	Swiss Franc / Japanese Yen	FOREX	115.789	0.49	1.02	2.0	0.25	0.61
10	EURAUD	Euro / Australian Dollar	FOREX	1.52859	0.10	(0.66)	(0.4)	(0.44)	5.28
11	EURCAD	Euro / Canadian Dollar	FOREX	1.52080	0.30	0.00	0.5	0.66	6.80
12	EURCHF	Euro / Swiss Franc	FOREX	1.17385	(0.21)	(0.53)	0.9	0.41	9.08
13	EURGBP	Euro / British Pound	FOREX	0.88085	(0.02)	(0.82)	(0.1)	(0.81)	4.18
14	EURJPY	Euro / Japanese Yen	FOREX	135.939	0.27	0.41	2.8	0.59	9.77
15	EURNZD	Euro / New Zealand Dollar	FOREX	1.67830	0.06	(0.27)	(0.2)	(0.86)	11.41
16	EURUSD	Euro / US Dollar	FOREX	1.22404	0.45	0.34	4.2	1.99	14.09
17	GBPAUD	British Pound / Aust Dollar	FOREX	1.73517	0.12	0.19	(0.3)	0.43	0.99
18	GBPCAD	British Pound / Canadian $	FOREX	1.72629	0.33	0.86	0.6	1.52	2.45
19	GBPCHF	British Pound / Swiss Franc	FOREX	1.33250	(0.18)	0.35	1.0	1.28	4.69
20	GBPJPY	British Pound / Japanese Yen	FOREX	154.310	0.29	1.28	2.9	1.45	5.35
21	GBPNZD	British Pound / New Zealand $	FOREX	1.90500	0.07	0.59	(0.1)	(0.02)	6.93
22	GBPUSD	British Pound / US Dollar	FOREX	1.38942	0.47	1.20	4.3	2.89	9.40
23	NZDCAD	New Zealand $ / Canadian $	FOREX	0.90601	0.26	0.35	0.8	1.59	(4.09)
24	NZDCHF	New Zealand $ / Swiss Franc	FOREX	0.69932	(0.29)	(0.09)	1.3	1.42	(1.98)
25	NZDCHF	New Zealand $ / Swiss Franc	FOREX	0.69932	(0.29)	(0.09)	1.3	1.42	(1.98)
26	NZDJPY	New Zealand $ / Japanese Yen	FOREX	80.985	0.22	0.78	3.1	1.51	(1.36)
27	NZDUSD	New Zealand $ / US Dollar	FOREX	0.72921	0.38	0.76	4.6	3.01	2.46
28	SGDJPY	Singapore Dollar/Japanese Yen	FOREX	84.106	0.14	0.33	0.8	(0.10)	4.23
29	USDCAD	US Dollar / Canadian Dollar	FOREX	1.24242	(0.14)	(0.33)	(3.5)	(1.31)	(6.38)
30	USDCHF	US Dollar / Swiss Franc	FOREX	0.95901	(0.67)	(0.84)	(3.1)	(1.55)	(4.33)
31	USDHKD	US Dollar / Hong Kong Dollar	FOREX	7.82034	(0.02)	(0.07)	0.1	0.04	0.77
32	USDJPY	US Dollar / Japanese Yen	FOREX	111.055	(0.18)	0.09	(1.3)	(1.38)	(3.70)
33	USDSGD	US Dollar / Singapore Dollar	FOREX	1.32020	(0.33)	(0.18)	(2.0)	(1.18)	(7.62)

Disclaimer: Education purposes only, not an advice. Charts: TradeStation 1/18/18 8:43 PM

AUDJPY Cup & Handle Pattern

$AUDJPY (D) is trading in Cup & Handle Pattern. Entry above breakout level: 90.294, Handle Low: 87.155, 52.55% below breakout level. T1: 93.99 to 94.99 T2: 97.88 to 99.97

GBPCAD Double Bottom Pattern
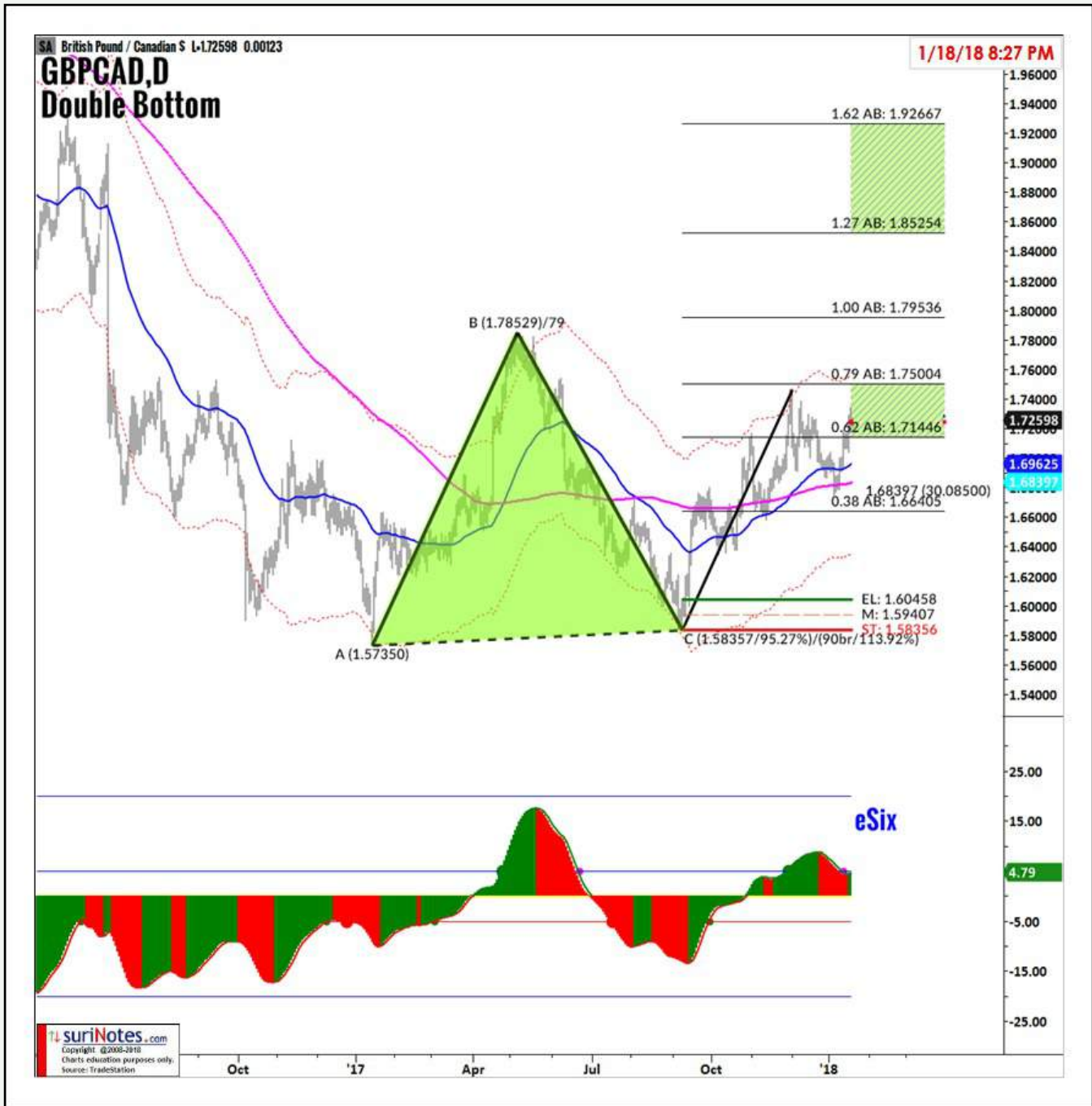
Reviewed in CPAT 12/18/17

$GBPCAD (D) ABC Bullish Pattern Long Entry above 1.60458, Stop below 1.58356 (-0.02102), Target1 Zone: 1.7145 to 1.7500, Target2 Zone: 1.8525 to 1.9267

GBPJPY Rectangle Channel

GBPJPY (Daily) trading in Rectangle channel. Channel breakout is 147.769. Target levels: 152.02, 156.271.

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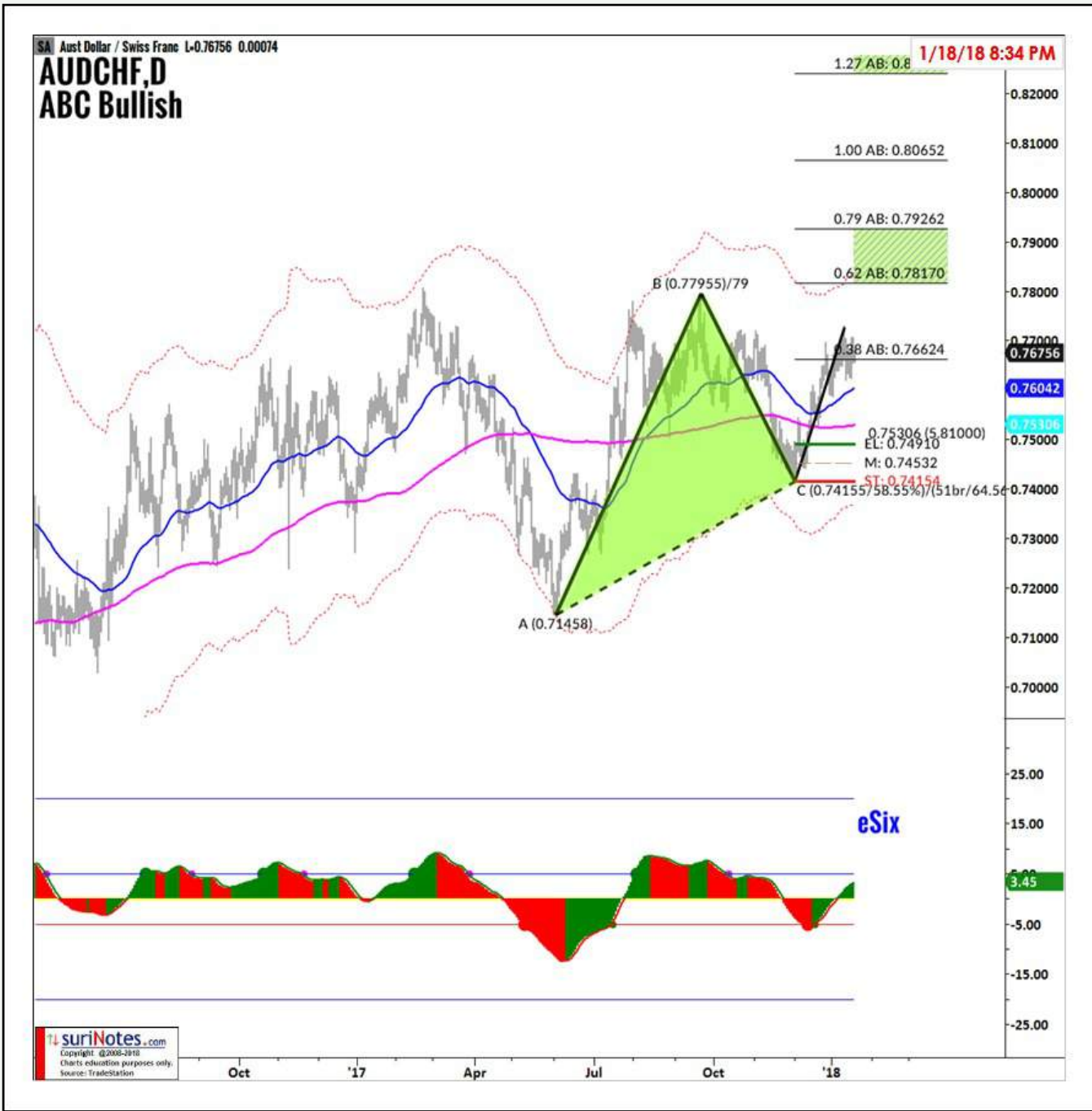
$AUDCHF (D) ABC Bullish Pattern Long Entry above 0.74910, Stop below 0.74154 (-0.00756), Target1 Zone: 0.7817 to 0.7926, Target2 Zone: 0.8241 to 0.8468

NZDJPY Rectangle Channel

NZDJPY (Daily) is trading in Rectangle Channel pattern.

AUDJPY ABC Bullish Pattern
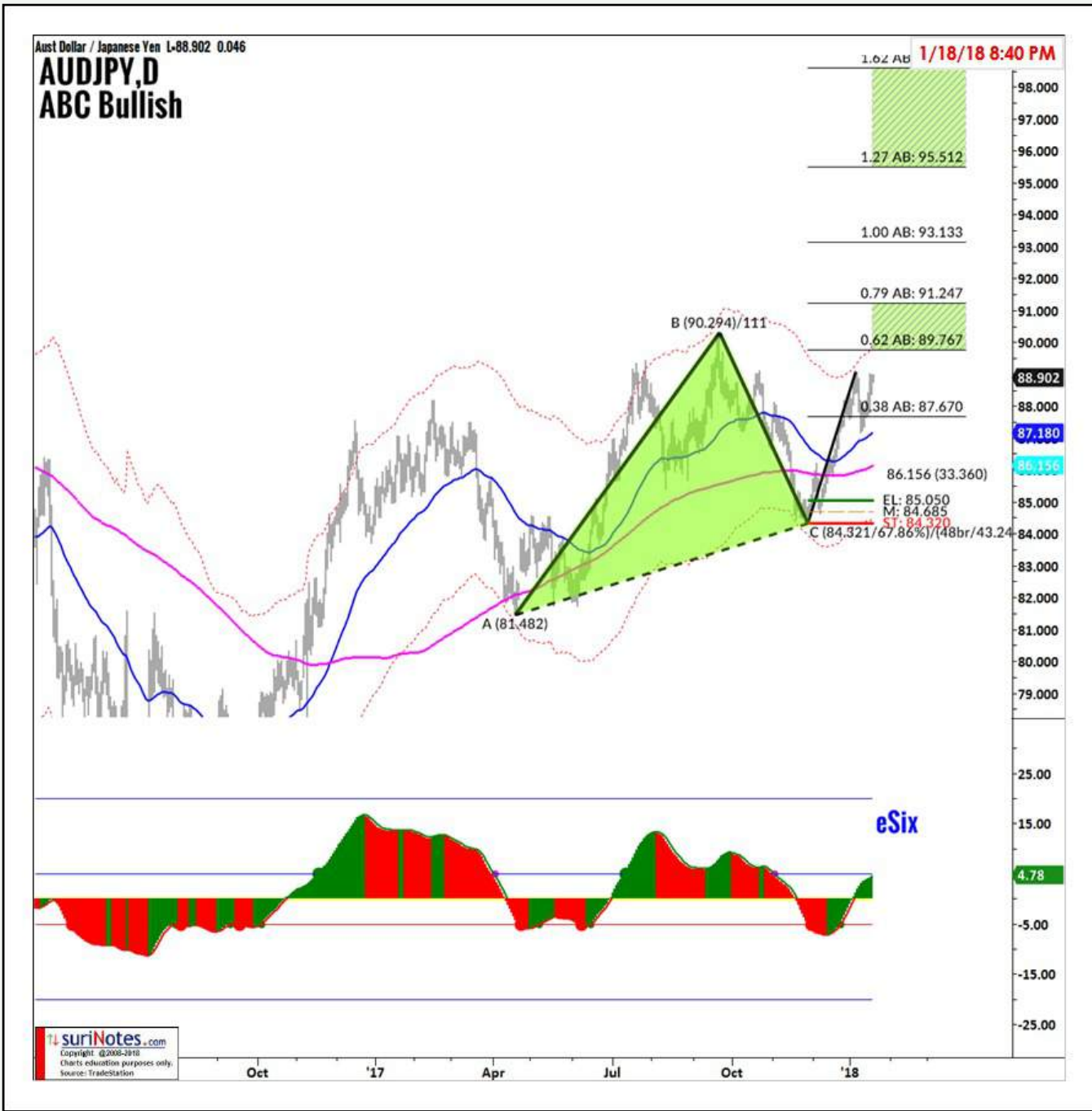
$AUDJPY (D) ABC Bullish Pattern Long Entry above 85.050, Stop below 84.320 (-0.730), Target1 Zone: 89.77 to 91.25, Target2 Zone: 95.51 to 98.60

Key Support/Resistance, Pivots

Gold Continuous Contract [Dec17] L•1,323.5 -5.8
@GC,D

Floor_R2: 1378.5

fZR062:1350.0
Floor_R1: 1350.4

PH: 1331.9
fZR050:1322.2

PC: 1322.2

Floor_Pivot: 1303.7

fZS050:1275.3
Floor_S1: 1275.6

PL: 1257.1
fZS062:1257.5

1250.0 (5.9)

Floor_S2: 1228.9

fZS138:1200.4

fZS162:1182.7

1400.0
1380.0
1360.0
1340.0
1320.0
1300.0
1280.0
1260.0
1250.0
1240.0
1220.0
1200.0
1180.0

Mar Apr May Jun Jul Aug Sep Oct Nov
Disclaim Education purp only, not a ce Charts: TradeStation 9/15/ 0:49 PM

ES Fib. Zone Pivots
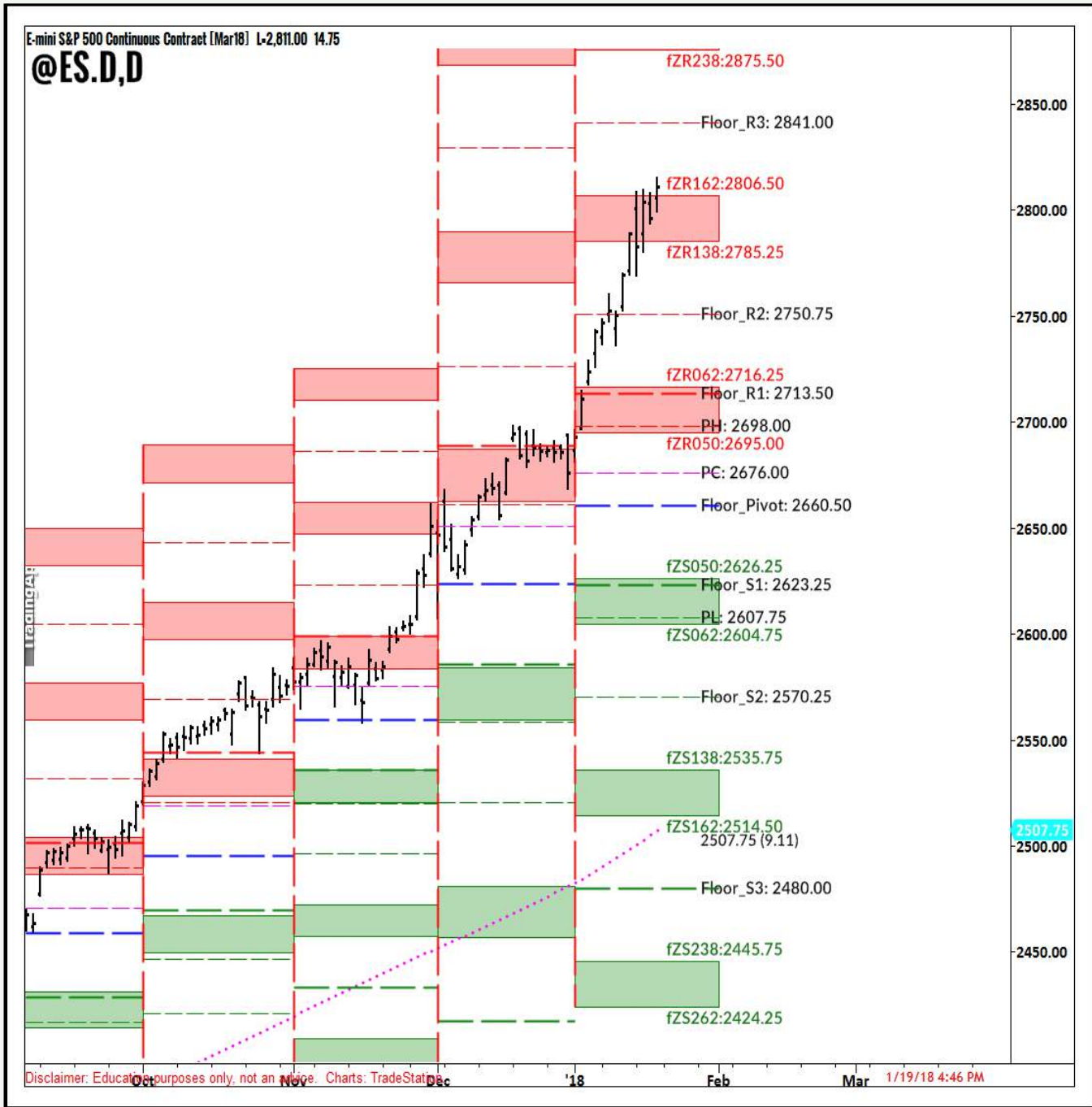
@ES Fib. Zone Pivots

NQ Fib. Zone Pivots
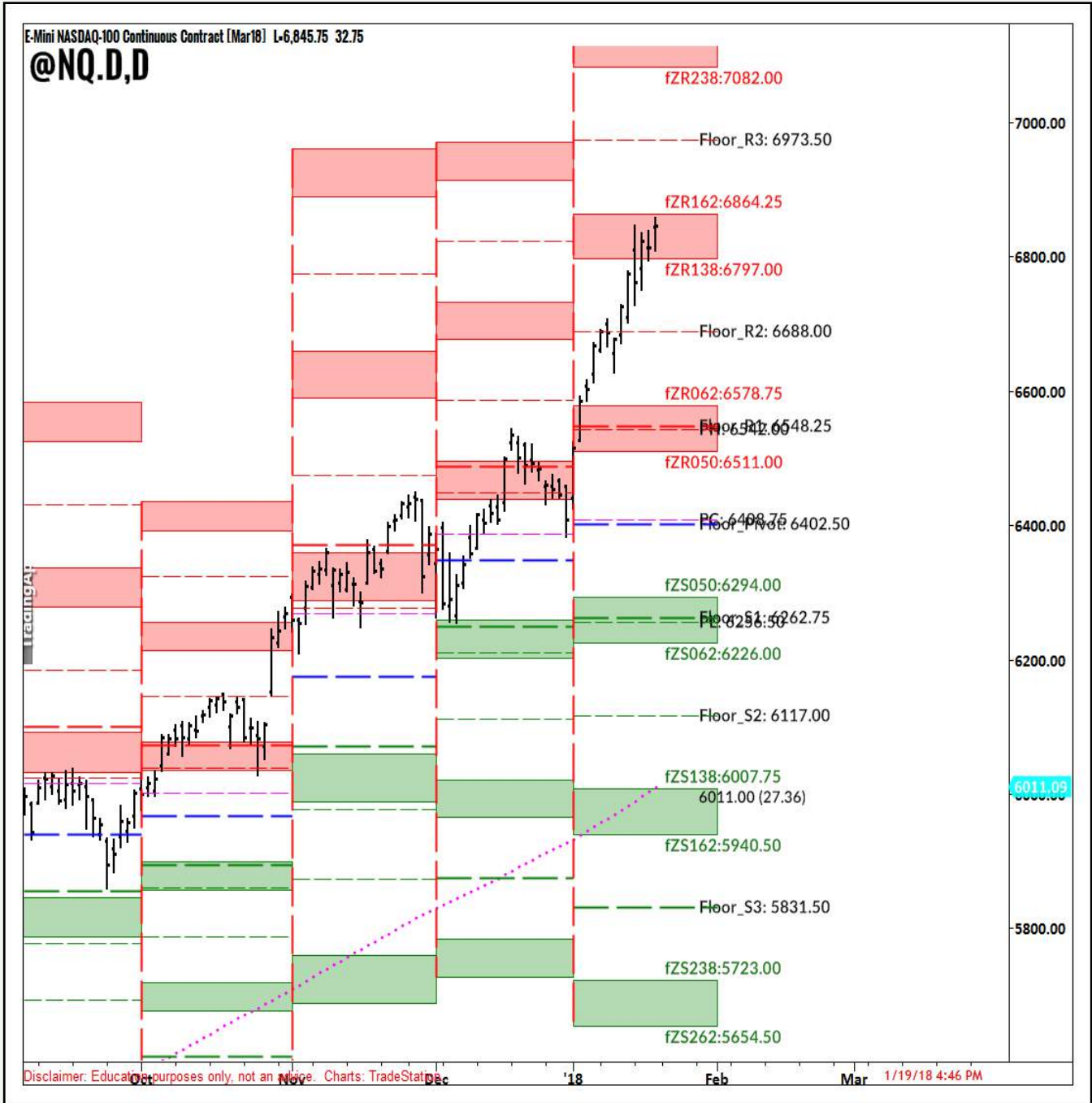
NQ Fib. Zone Pivots

QM Fib. Zone Pivots
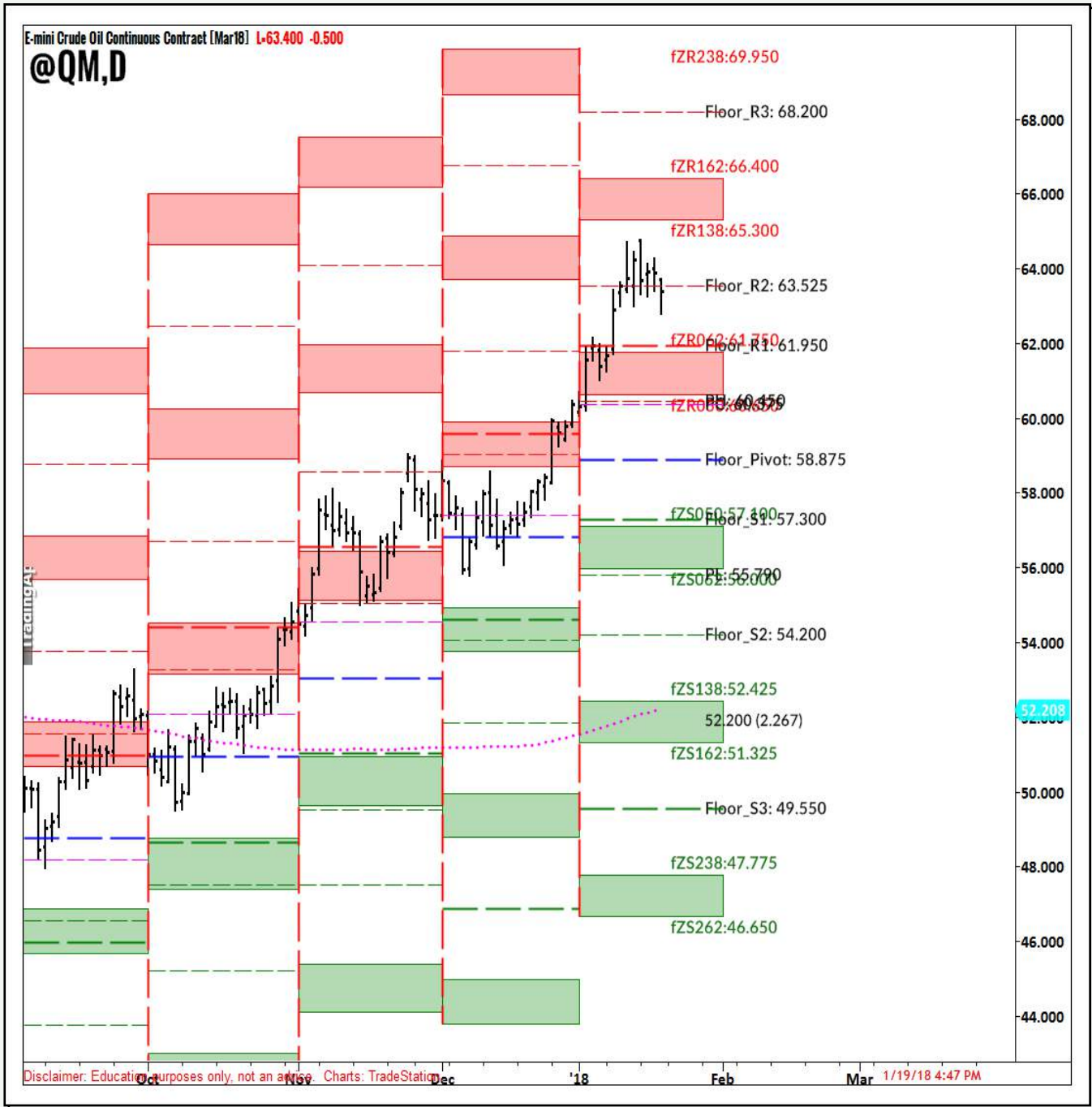
QM Fib. Zone Pivots

GC Fib. Zone Pivots

Gold Continuous Contract [Feb18] L-1,332.0 4.8

@GC,D

fZR138:1384.6

Floor_R2: 1357.3

Floor_R1: 1333.3
fZR062:1330.0

fZR050:1313.0
PE: 1309.3

Floor_Pivot: 1285.8
1283.2 (3.0)

1283.2

Floor_S1: 1261.8
fZS050:1258.6

fZS062:1241.6
PE: 1238.3

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Oct   Nov   Dec   '18   Feb   Mar   1/19/18 4:46 PM
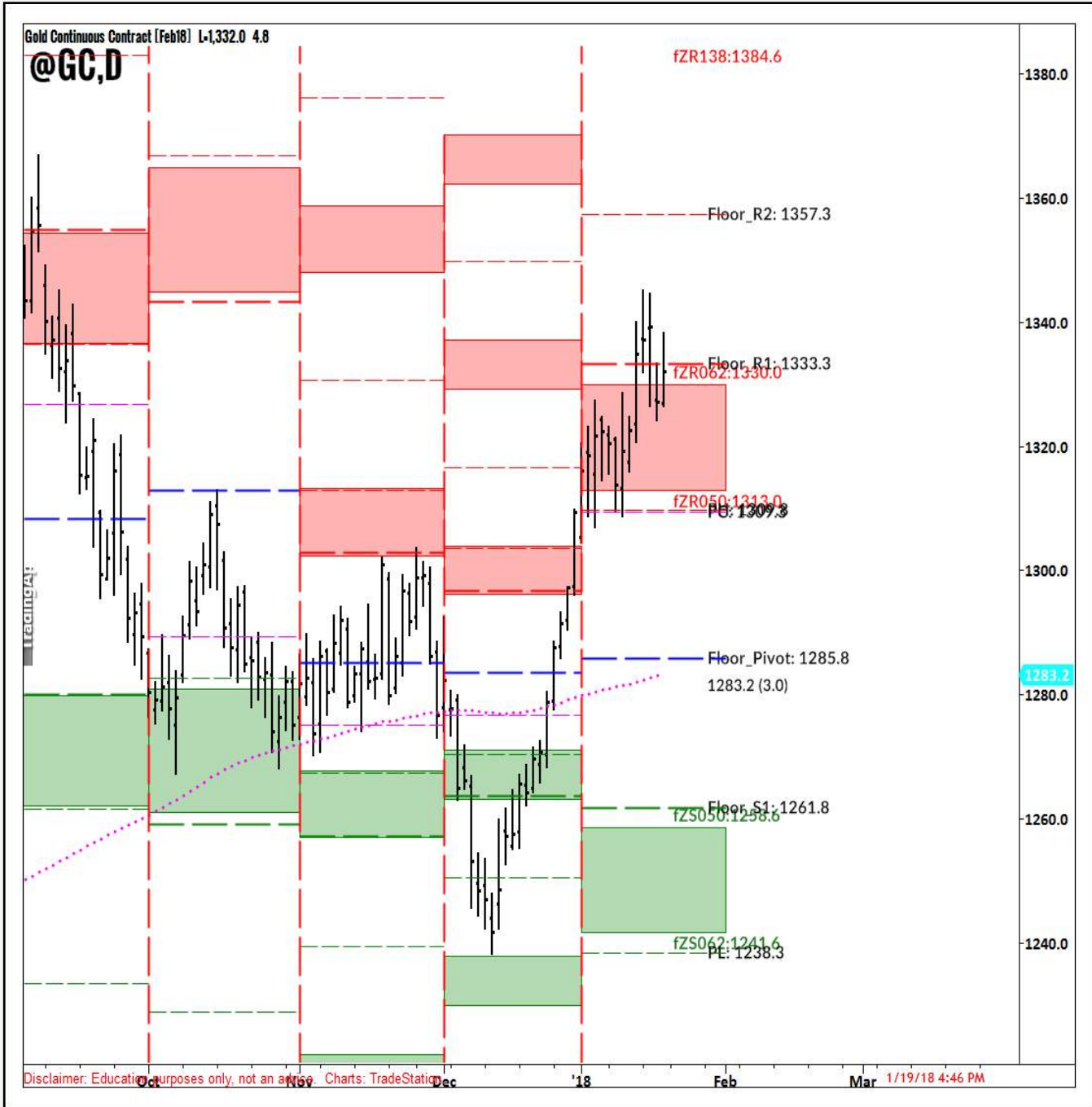
@GC Fib. Zone Pivots
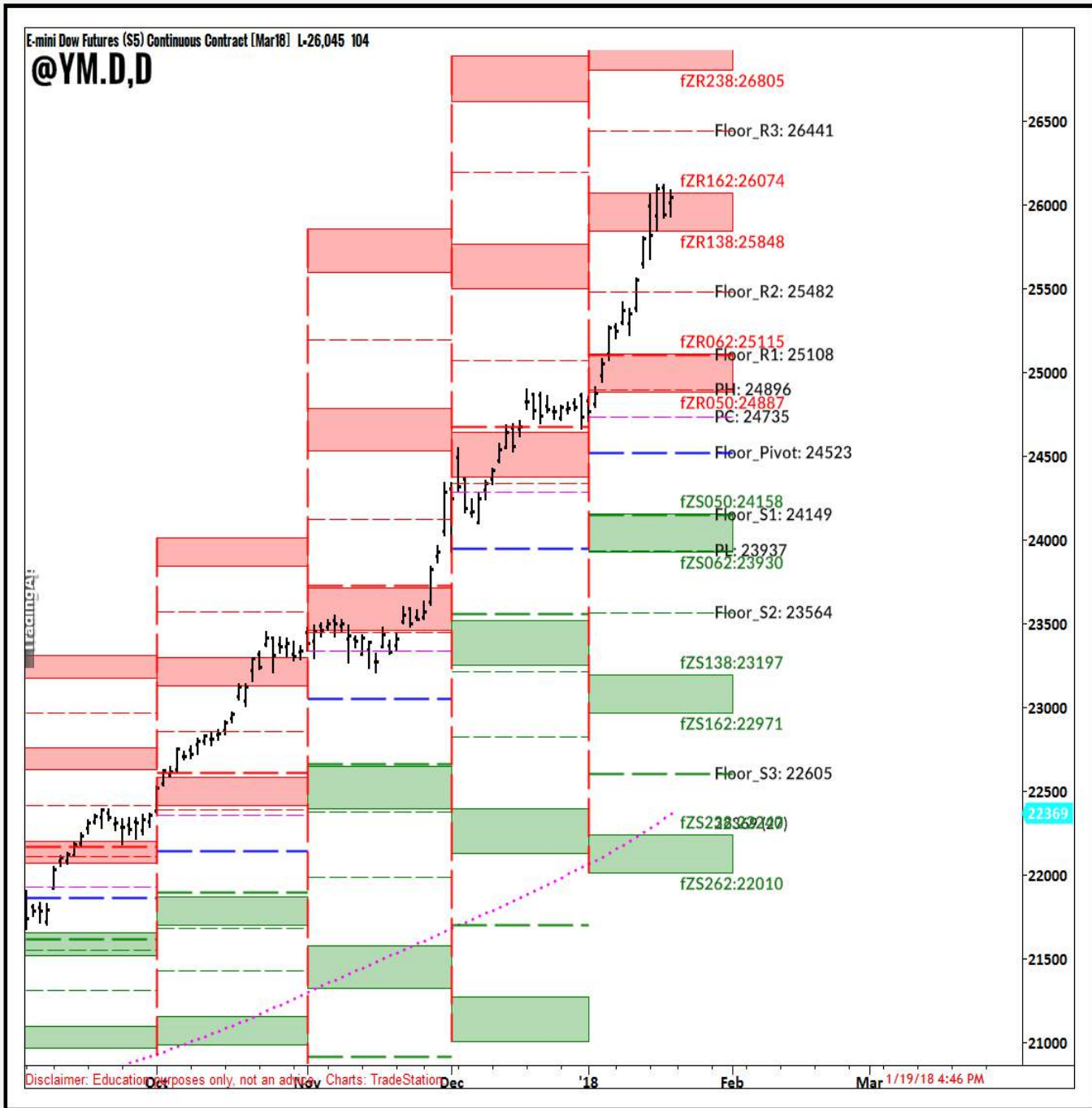
YM Fib. Zone Pivots

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

E-Mini NASDAQ-100 Continuous Contract [Mar18] L=6,845.75 32.75

@NQ.D,D
Gap Charts

Unfilled: 6153.00 (49.50)
Unfilled: 6103.50 (49.50)

6011.00 (27.36)

6011.09

Unfilled: 5534.75 (59.25)

Unfilled: 5475.50 (59.25)

Unfilled: 5364.25 (48.00)

7000.00
6800.00
6600.00
6400.00
6200.00
6000.00
5800.00
5600.00
5400.00
5200.00

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

Apr   Jul   Oct   '18   1/19/18 4:48 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.

Earnings

Companies releasing earnings in the next few weeks.

January Earnings Calendar

Jan 2018 — Horz.

Date	Tickers
1 Mon	
2 Tue	
3 Wed	
4 Thu	
5 Fri	
8 Mon	
9 Tue	
10 Wed	
11 Thu	
12 Fri	BLK INFY JPM WFC
15 Mon	
16 Tue	C CSX UNH
17 Wed	ASML BAC FAST GS SCHW
18 Thu	AXP IBM MLNX MS TSM
19 Fri	RF SLB WIT
22 Mon	AMTD NFLX
23 Tue	CREE JNJ PG TXN UAL VZ
24 Wed	ABT CVLT F FFIV GD GE ITW LRCX TER UTX VAR WHR XLNX
25 Thu	AAL BIIB BUD CAT CELG ETFC FCX FLEX INTC ISRG JBLU KLAC LLL LOGM LUV MMM MXIM NOC OSIS RCL RTN SBUX SHW WDC WYNN
26 Fri	ABBV CL HON
29 Mon	HDB LMT PFG SLV SOHU STX
30 Tue	AET AMD DDD DOV DOX EA GLW HOG IBN ILMN JNPR MCD MMYT MSTR OKE PCAR PFE PHM PLT S SAP SPG UA XRX
31 Wed	AFL ALGT BA CAVM CHKP CTXS DHI EBAY FB JCI LLY LVS MAT MET MO MSFT NDAQ NXPI OTEX POWI QCOM QRVO SFLY SRPT SYMC T TSCO VRTS VRTX X

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February Earnings Calendar

Feb 2018 — Horz.

1 Thu: AAPL, AMGN, AMZN, ATHN, BABA, BX, CME, CY, DATA, DECK, GOOG, IDXX, IP, KEYW, MA, MCK, MSI, PDLI, PENN, RL, SKYW, SWX, JPS, VLO

2 Fri: AZN, CHTR, CVX, EL, IEP, MRK, WY, XOM

5 Mon: BMY, CRUS, GOLD, PCLN, SWKS, TM

6 Tue: ACAD, AGN, AKAM, ATHM, BWLD, CDW, CERN, CMG, CMI, CROX, DIS, FIS, GILD, GM, JAZZ, KORS, MANH, MCHP, MYGN, NTGR, SAVE, SIMO, TSRO, ULTI, VRX, Z

7 Wed: CRAY, CTL, CTSH, FISV, FLT, FOX, FTD, GPRO, ICE, IEC, LPSN, MGM, MNST, ORLY, OSTK, PAAS, PRU, RDWR, REGN, RGLD, SRCL, WAGE

8 Thu: AIG, ATVI, CAH, CVS, EXPE, FEYE, HOLX, HTZ, JJSF, K, KKR, KNDI, MHK, NVDA, P, PBYI, PM, PRGO, TARO, TEVA, TTM, TWTR, TZOO, UBNT, VJET, VRSN, WIN, WU, XONE, YELP, YUM

9 Fri: CBOE, JCP, MT, PCG

12 Mon: NBL, QLYS

13 Tue: FLIR, FOSL, GNRC, HD, OXY, PBR, PEP, SSYS, TJX, YY

14 Wed: CSCO, EQIX, GRPN, JASO, MAR, NTAP, NTES, SODA, SPWR, TAP, TRIP, WMB, WYN

15 Thu: ALXN, AMAT, BBY, CBS, CYBR, GPS, INCY, NICE, NUS, ROST, SPLK, STRA, SYNT, VECO, WM, WMT, ZTS

16 Fri: ANF, DE, FL, KO, SFUN, XRAY

19 Mon: A, BITA, INTU, MOS, PANW, URBN, VIPS

20 Tue: CPRT, CRM, DLTR, DRYS, DVN, ECL, FSLR, HPQ, PZZA, SNI

21 Wed: CAR, CTRP, FARO, GRMN, SINA, TSLA, UTHR

22 Thu: AMCX, APA, BIDU, BSFT, CHK, CRZO, FNGN, ICPT, IMAX, IRM, MELI, NEM, OLED, ZBRA

23 Fri: PNW, RLGY

26 Mon:

27 Tue: ADSK, ESRX, M, MRVL, NUAN

28 Wed: PVH, SNPS, TIF, WDAY

AMTD Cup & Handle pattern
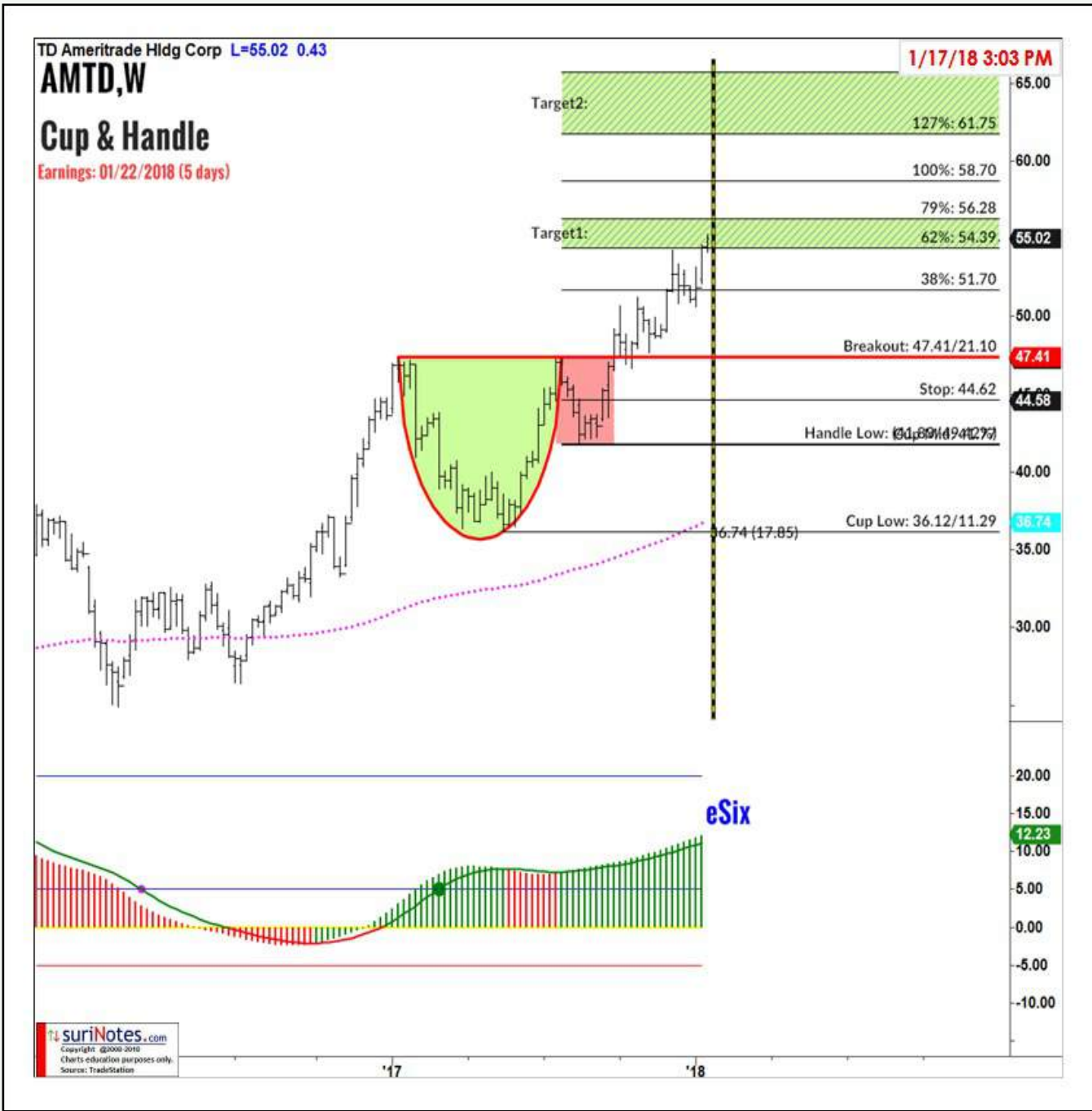
Reviewed in CPAT 09/18/17

$AMTD (W) 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

UAL ABC Bullish Pattern

$UAL (W) ABC Bullish Pattern Long Entry above 60.80, Stop below 56.50 (-4.30), Target1 Zone: 84.7 to 92.4, Target2 Zone: 114.5 to 130.4

ABT Rectangle Channel
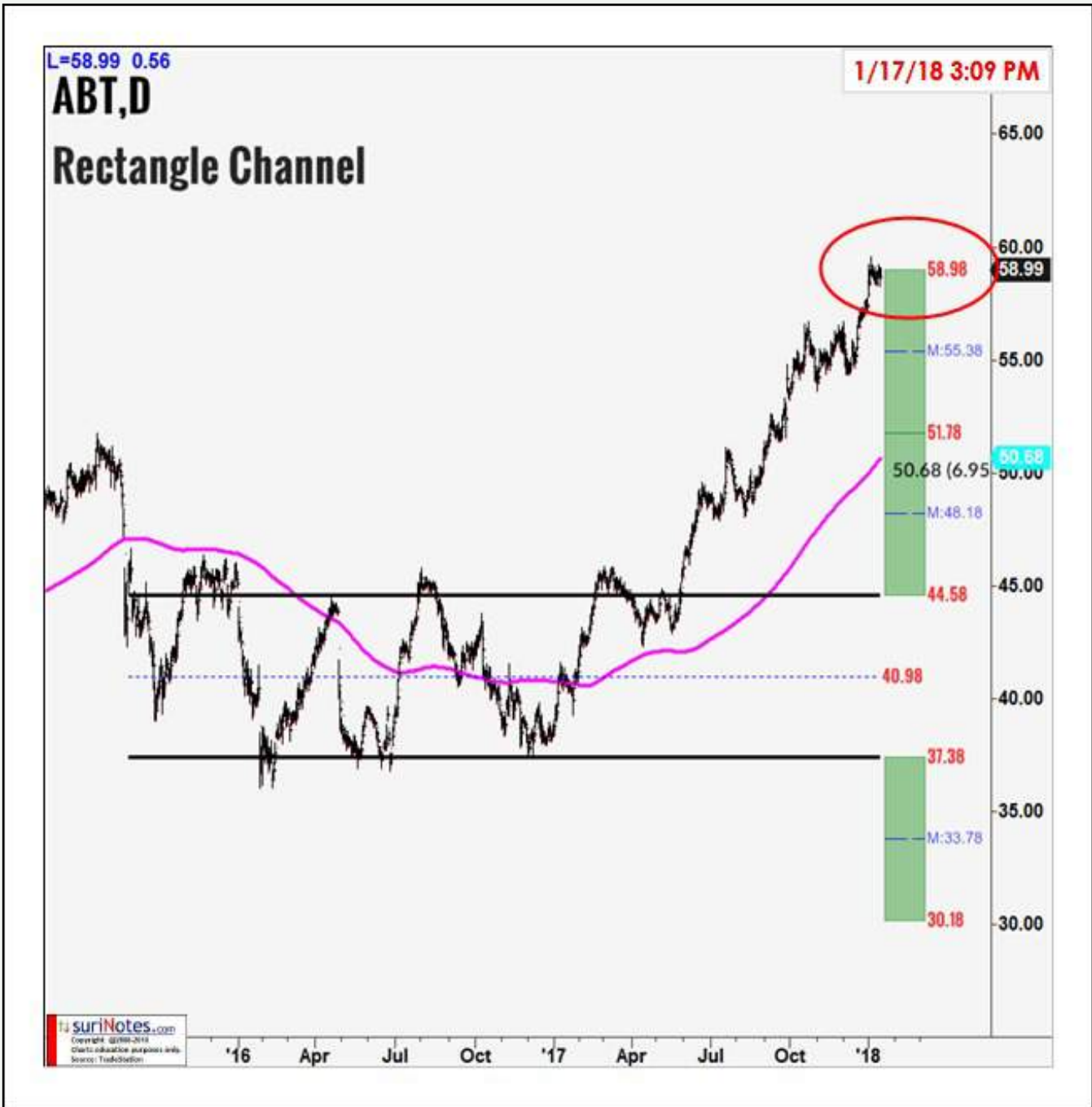
Reviewed in CPAT 10/09/17

ABT (Daily) reached its 2nd target zone in Rectangle Channel.

FFIV ABC Bullish Pattern

SA | F5 Networks | L-139.95 -0.57

FFIV,W
ABC Bullish
★★★★★ (4.5)
Earnings: 01/24/2018 (7 days)

1/17/18 3:22 PM

1.00 AB: 178.10

0.79 AB: 164.52

0.62 AB: 153.85

B (149.50)/58

0.38 AB: 138.75

EL: 121.13
120.08/117.88
ST: 114.62
C (114.63/54.94%)/(29br/50.00%)

A (86.03)

eSix

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Charts education purposes only.
Source: TradeStation

'16   '17   '18   '19

$FFIV (W) is trading in Cup & Handle Pattern. Entry above breakout level: 149.50, Handle Low: 134.50, 43.02% below breakout level. T1: 171.0 to 176.9 T2: 193.8 to 206.0

AAL Symm. Triangle Pattern
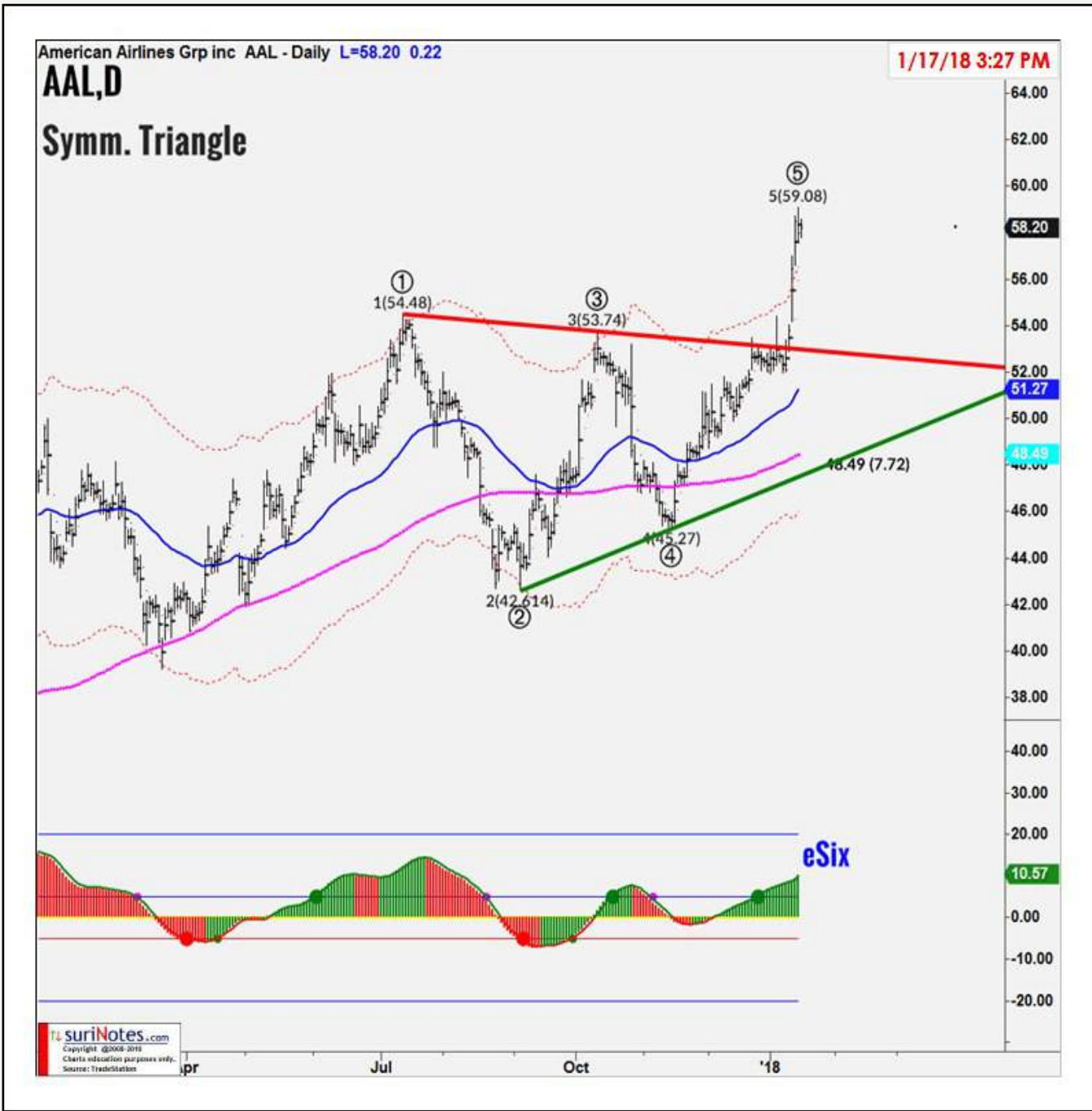
Reviewed in CPAT 12/11/17

AAL (Daily) is trading in Symmetric Triangle pattern. AAL Breakout level: $54. Targets: $60, $66.

ETFC Inv. HS Pattern

ETFC (W) is trading in Inv. HS and Double bottom patterns

JBLU Dragon Pattern
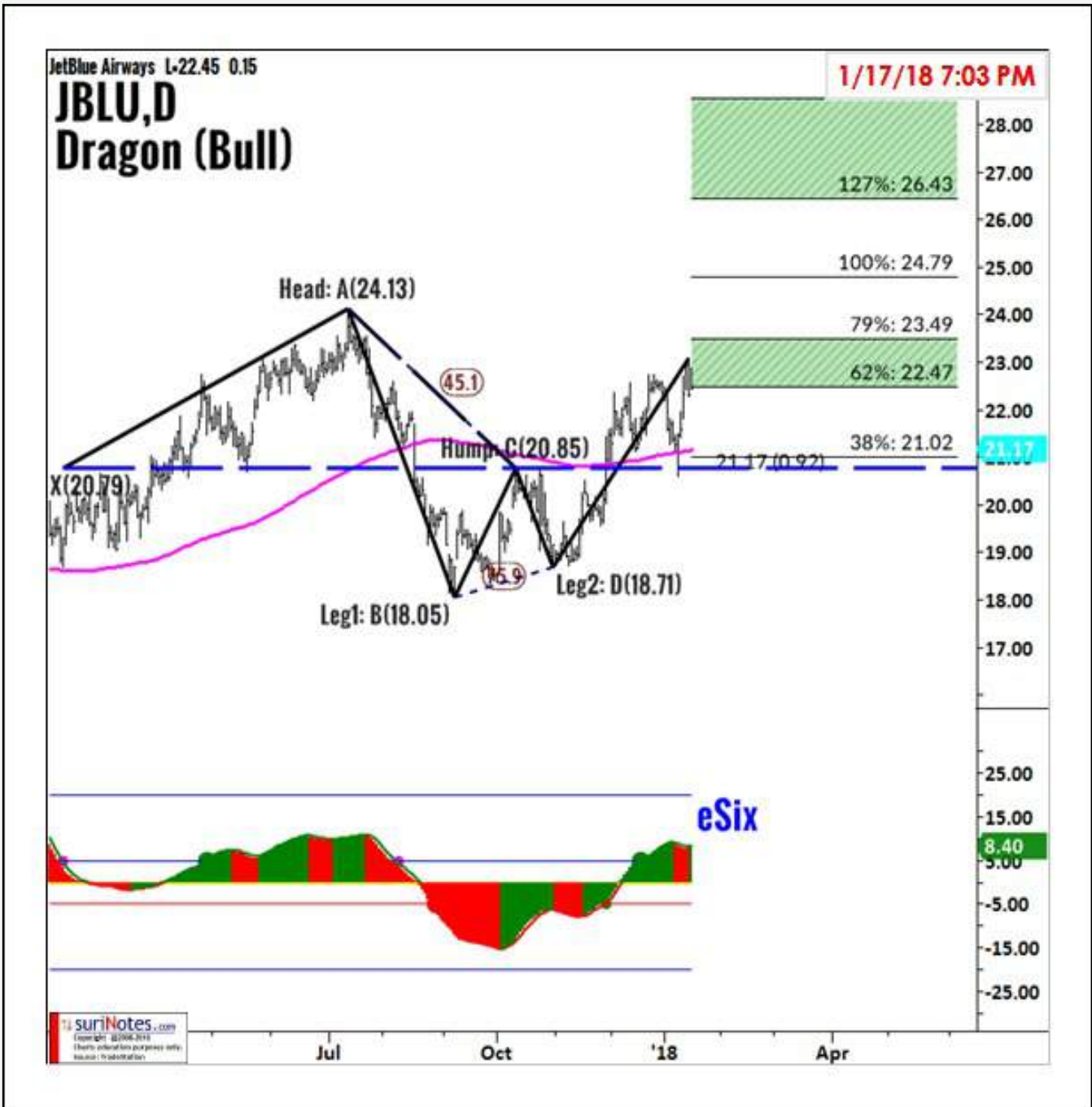
JBLU (Daily) is trading in Bullish Dragon pattern. Bullish Dragon entry is above $21, Stop: $19.5. Target ranges: $22.5-23.5, $24.75, $26.5-28.5

KLAC Cup & Handle Pattern

KLA-Tencor Corp L=113.49 5.83
KLAC,D
Cup & Handle

1/17/18 7:10 PM

100%: 131.25 — 132.00

79%: 126.61 — 128.00

Target1: 62%: 122.98 — 124.00

38%: 117.82 — 120.00

Breakout: 109.59/71.00   109.59

Stop: 104.23 — 104.00

Handle Low: 98.86/... — 100.53

Cup Low: 87.93/21.66 — 88.00
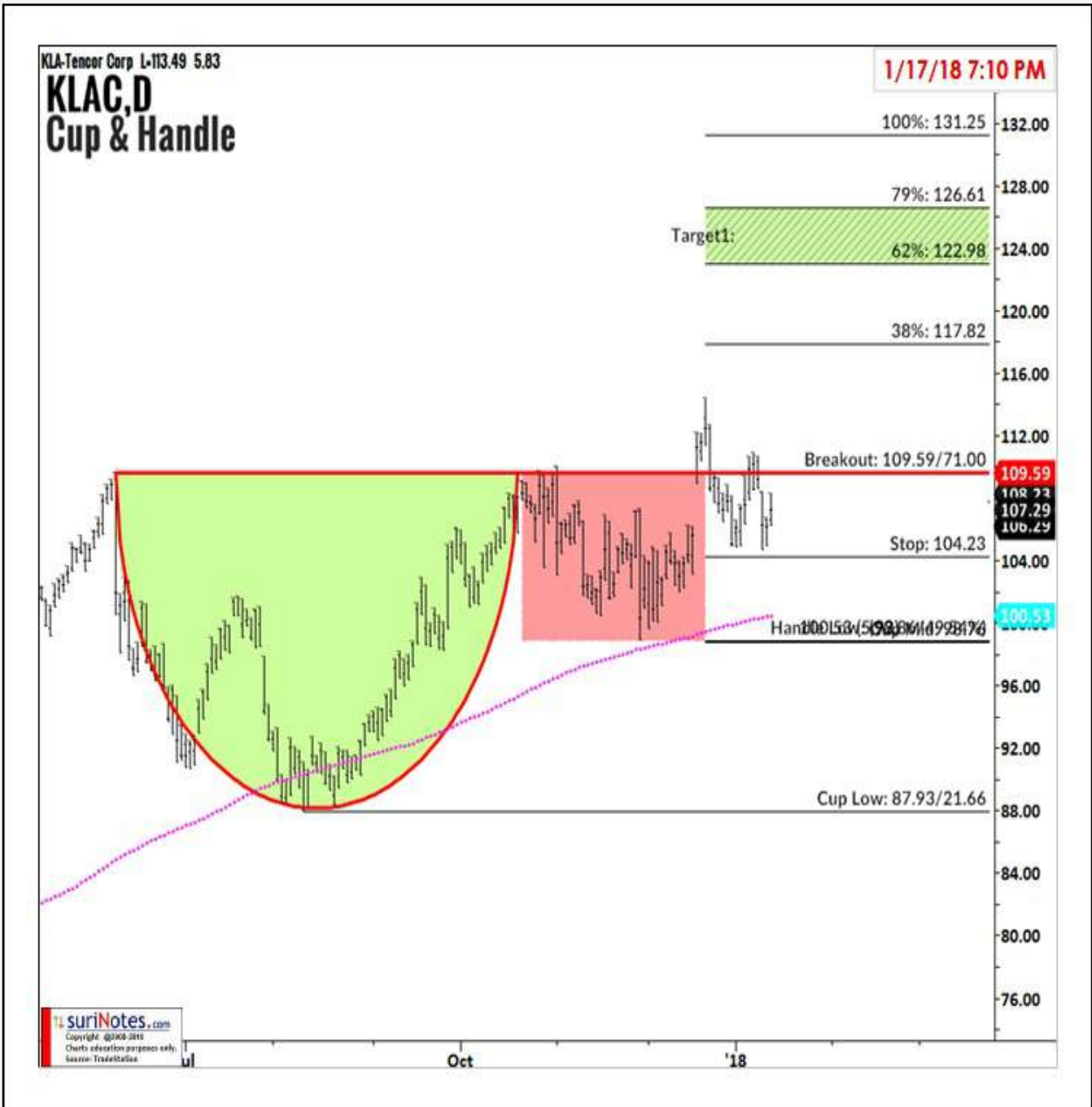
Reviewed in CPAT 11/13/17

$KLAC (D) is trading in Cup & Handle Pattern. Entry above breakout level: 109.59, Handle Low: 98.86, 49.54% below breakout level. T1: 123.0 to 126.6 T2: 137.1 to 144.7

SBUX ABC Bullish Pattern

$SBUX (W) ABC Bullish Pattern Long Entry above 55.94, Stop below 52.57 (-3.37), Target1 Zone: 61.3 to 63.6, Target2 Zone: 70.4 to 75.3

Weekly Relative Performances

Sector & Indexes Relative Performances

Winners: SemiConductors, HealthCare, Drugs

Losers:Oil, OilService

Relative Performance

Indexes ▾   1-Week Performance ▾   GO

Indexes: 1-Week Performance (201)
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Index	Performance
SemiCond	4.4%
HealthCare	2.6%
Drugs	2.0%
Industrials	1.9%
NASD100	1.9%
SPADR	1.8%
Banking	1.8%
Nasdaq	1.7%
SP100	1.6%
BioTech	1.6%
Defense	1.6%
SP500	1.5%
Regional Ban	1.3%
GoldSilver	1.1%
Airlines	0.94%
Telecom	0.75%
Insurance	0.67%
Oil	0.09%
OilService	-1.7%

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Relative Performance

SectorETFs ▾   1-Week Performance ▾   GO

SectorETFs: 1-Week Performance (201)
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Sector	Performance
HealthCare	2.6%
Con.Staples	2.5%
Retail	2.2%
Technology	2.1%
Financials	2.0%
Con.Discr	1.8%
HomeBuilders	1.6%
Industrials	0.33%
Real.Estate	0.06%
Materials	-0.02%
Energy	-0.39%
Utilities	-1.1%

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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
UNH	8.0%
MRK	6.4%
WMT	4.6%
NKE	4.5%
TRV	4.2%
HD	3.4%
INTC	3.2%
CSCO	3.0%
BA	2.9%
KO	2.4%
MMM	2.4%
V	2.4%
MSFT	2.2%
JPM	2.0%
AAPL	1.8%
JNJ	1.8%
MCD	1.6%
PFE	1.0%
PG	1.0%
CAT	0.72%
UTX	0.67%
GS	0.39%
XOM	0.25%
DIS	-0.36%
VZ	-0.38%
CVX	-0.96%
IBM	-1.1%
AXP	-2.7%
GE	-14.5%

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Select Sectors Weekly Performance

Relative Performance

SelectSectors: 1-Week Performance (201)
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Sector	Performance
Gambling	6.0%
Healthcare P	5.1%
Footwear	4.4%
Hotels	4.0%
Semiconducto	3.7%
Retailer-App	2.9%
Retail	2.8%
Tech Hardwar	2.8%
Large-Cap Te	2.7%
Food Retaile	2.7%
Retailers-Sp	2.7%
Trucking	2.7%
Soft Drinks	2.7%
Clothing A	2.7%
Healthcare	2.5%
Food Drug	2.4%
Beverage	2.2%
Food Bever	2.2%
Banks	2.2%
Software	2.2%
Computer Har	2.1%
Biotechnolog	2.0%
Technology	1.9%
Medical Equi	1.9%
Gold Mining	1.9%
Pharmaceutic	1.9%
Consumer Goo	1.8%
Pharmaceutic	1.8%
Restaurants	1.8%
Pharmaceutic	1.8%
Aerospace	1.7%
Insurance	1.6%
Financials T	1.6%
Home Constru	1.5%
Mining	1.5%
Commercial V	1.5%
Defense	1.4%
Software C	1.2%
General Reta	1.1%
Consumer Fin	1.0%
Media	0.90%
Broadcasting	0.84%
Airlines	0.75%
Telecommunic	0.75%
Industrials	0.63%
Building Mat	0.56%
Internet Ser	0.31%
Travel Tou	0.27%
Auto Parts	0.19%
Consumer Ele	-0.05%
Real Estate	-0.14%
Integrated O	-0.25%
Oil Gas Pr	-0.26%
Railroads	-0.44%
Oil Gas	-0.50%
Transportati	-0.65%
Mobile Telec	-0.77%
Wireless Com	-0.77%
Brewers	-0.85%
Pipelines	-1.0%
Utilities	-1.0%
Coal	-1.4%
Industrial M	-1.7%
Steel	-1.8%
Automobile M	-2.7%
Aluminum	-6.7%

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Country ETFs Weekly Performance

Relative Performance

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

CountryETFs: 1-Week Performance (201)
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Country	Performance
China Large-	6.0%
Mexico	5.6%
Poland	5.3%
So Africa	4.5%
Taiwan	4.5%
Asia 50	3.8%
Netherlands	3.8%
FrontierMkt	3.5%
Italy	3.5%
Germany	3.4%
Brazil	3.2%
Africa	3.1%
Nigeria	3.0%
MSCI BRIC	3.0%
Ireland	3.0%
China 'A'	2.9%
Emerg Mkt	2.9%
Austria	2.8%
EmgMkt50	2.8%
Colombia	2.6%
France	2.4%
Belgium	2.4%
MidEast	2.4%
EmrgSmlCap	2.2%
Peru	2.1%
Portugal	2.1%
UK	2.0%
Spain	1.9%
Saudi Arabia	1.8%
India Fd Inc	1.8%
Argentina	1.8%
Malaysia	1.7%
Chile	1.7%
Indonesia	1.6%
Switzerland	1.6%
Sweden	1.6%
Hong Kong	1.6%
US	1.6%
UAE	1.5%
Norway	1.4%
Singapore	1.4%
India Inv Fd	1.2%
Thailand	1.2%
New Zealand	1.1%
Brazil Sm-Cp	1.1%
Greece	1.1%
Japan	0.90%
S Korea	0.74%
Russia	0.69%
India Portfo	0.63%
Australia	0.51%
Canada	0.43%
JapanPese Ye	0.42%
Canadian S	0.18%
India Erngs	0.17%
Philippines	0.10%
Israel	-0.06%
Egypt	-0.15%
Vietnam	-0.21%
Turkey	-0.48%

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1/19/18 4:53 PM

Commodity ETFs Weekly Performance

CommodityETFs ▾   1-Week Performance ▾   **GO**

CommodityETFs: 1-Week Performance (201)
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ETF	Performance
Natural Gas	1.9%
Water Indx	1.8%
Gold Double	1.6%
Gold	1.5%
Water Resour	1.2%
Gold Miners	1.2%
Energy Bear	0.94%
Oil And Gas	0.91%
Agric	0.83%
SPDR Gold Tr	0.78%
Bas Mat ProS	0.75%
Gold Trust	0.71%
Base Metals	0.37%
Silver Trust	0.25%
Com Tot	0.18%
Ag Fd	0.16%
Oil Fd LP	0.16%
Commodity-Id	0.12%
Commodity Id	0.12%
Bloomberg Cr	0.08%
Crude ETN	0.00%
Crude	0.00%
Sel Material	-0.02%
US Oil Gas	-0.25%
US Basic Mat	-0.35%
Sel Energy S	-0.39%
GS Natural R	-0.46%
US Energy ET	-0.55%
Silver	-0.61%
Coal ETF	-0.74%
Bas Mat ProS	-0.89%
Oil And Gas	-0.90%
Crude Oil Db	-1.0%
Steel ETF	-1.1%
Energy Bull	-1.3%
Metals Min	-1.4%
Gold Double	-1.5%
UltraShort G	-1.6%
Oil Svcs ETF	-1.7%
Oil Gas Ex	-1.7%
Solar Energy	-2.3%

Watch Lists

Momentum

Relative Strength

Bullish/Bearish Lists

NH/NL

Oversold/Overbought

Key Retracements

Sector ETF %DWMY

Sector ETFs

mt	Sym	Name	Exch	Last	Net Chg	1D%	W%	M%	YTD%	PYTD%
1		**SectorETFs**								
2	SMH	VanEck Vctrs Semiconductor ETF	ARCX	106.77	0.10	0.09	4.32	7.58	9.16	36.53
3	FAS	Finl Bull 3x Shs	ARCX	77.04	1.71	2.03	3.19	12.48	12.45	67.19
4	XLP	S&P Sel Consum Staples Spdr Fu	ARCX	58.05	0.66	1.10	2.44	2.02	2.00	10.02
5	IHF	iShs US Hlth Cre Providers ETF	ARCX	167.64	1.30	0.78	2.22	7.29	6.89	25.19
6	XLV	S&P Sel Health Care Spdr Fd	ARCX	88.44	0.33	0.41	1.90	5.69	7.00	19.93
7	UYG	Ultra Finl ProShs	ARCX	137.75	1.92	1.34	1.86	7.33	7.61	38.42
8	RTH	VanEck Vctrs Retail ETF	ARCX	99.29	0.97	0.98	1.54	8.49	8.67	20.54
9	VGT	Vanguard Info Tech ETF	ARCX	176.01	0.37	0.21	1.49	5.74	6.85	35.58
10	XLK	S&P Sel Tech Spdr Fd	ARCX	67.80	0.13	0.19	1.48	5.02	6.02	32.24
11	IYW	iShs US Tech ETF	ARCX	173.27	0.20	0.12	1.35	5.07	6.45	35.36
12	IGM	iShs Gold Sach Tech Idx T	ARCX	180.95	0.30	0.17	1.28	6.20	7.20	36.33
13	IYG	iShs US Finl Svc ETF	ARCX	139.03	1.13	0.81	1.17	6.55	6.58	22.76
14	URE	Ultra Real EstateProShs	ARCX	60.14	0.79	1.31	1.13	-10.88	(8.82)	15.46
15	IAT	iShs US Regional Banks ETF	ARCX	52.93	0.71	1.34	1.09	6.69	7.38	8.62
16	XLF	S&P Sel Finl Spdr Fd	ARCX	29.52	0.19	0.71	1.06	6.22	5.84	20.04
17	IGV	iShs North Ameri Tch-Software	BATS	166.990	1.130	0.68	1.05	6.032	8.04	41.998
18	RWX	SPDR DJ Wilshire Intl Real Est	ARCX	41.53	0.05	0.12	1.02	4.19	2.57	12.22
19	IYF	iShs US Finl ETF	ARCX	123.94	0.81	0.65	0.99	3.45	3.78	17.71
20	IYC	iShs US Cons Service ETF	ARCX	191.89	1.53	0.80	0.96	7.59	7.05	18.69
21	XRT	SPDR S&P Retail	ARCX	48.33	0.91	1.76	0.94	9.01	6.84	2.52
22	VFH	Vanguard Finl ETF	ARCX	73.87	0.58	0.79	0.93	5.74	5.47	18.01
23	KBE	SPDR S&P Bank ETF	ARCX	50.78	0.73	1.44	0.83	7.15	7.27	8.90
24	XHB	SPDR S&P Homebuilders	ARCX	46.58	0.51	1.09	0.80	7.62	5.24	30.75
25	ITB	iShs US Home Constr ETF	BATS	45.920	0.420	1.22	0.77	8.147	5.35	59.098
26	KRE	SPDR S&P Regional Bank	ARCX	63.05	1.01	1.57	0.67	6.70	7.10	5.90
27	IYR	iShs US R/E ETF	ARCX	77.52	0.56	0.65	0.65	-6.06	(4.38)	5.29
28	IAI	iShs US Broker-Dealers & Sec	ARCX	66.58	0.77	1.16	0.60	5.73	6.07	26.86
29	KCE	SPDR S&P Cap Mkts	ARCX	60.84	0.56	1.20	0.56	6.40	5.30	29.10
30	XLY	S&P Sel Consum Discretion'y Sp	ARCX	105.60	0.91	0.86	0.54	7.79	7.00	21.24
31	SDP	UltraShort Utilities ProShrs	ARCX	27.92	-0.09	(0.32)	0.54	19.98	10.66	-22.03
32	SIJ	UltraShort Ind ProShs	ARCX	15.40	0.22	0.00	0.46	-18.30	(9.86)	-36.33
33	KIE	SPDR S&P Insurance	ARCX	31.22	0.19	0.61	0.42	1.63	1.69	11.03
						(0.38)	0.39	4.12	4.61	21.16

mt	Sym	Name	Exch	Last	Net Chg	1D%	W%	M%	YTD%	PYTD%
35	MOO	VanEck Vctrs Agribusiness	ARCX	64.40	0.61	0.95	0.34	5.49	4.55	19.98
36	PPA	PwrShs Aerospace & Defense	ARCX	56.55	0.29	0.51	0.14	4.61	4.92	29.13
37	RWR	SPDR DJ Wilshire REIT	ARCX	88.92	0.43	0.48	0.14	-5.92	(5.09)	0.36
38	BBH	VanEck Vctrs Biotech ETF	NASDAQ	129.32	0.55	0.43	0.13	1.86	3.79	15.83
39	VNQ	Vanguard REIT ETF	ARCX	78.70	0.41	0.53	0.13	-7.49	(5.15)	0.55
40	IBB	iShs Nasdaq BioTech ETF	NASDAQ	111.80	0.53	0.65	0.02	5.07	4.90	20.70
41	ICF	iShs Cohen & Steers REIT ETF	BATS	95.600	0.280	0.29	(0.03)	-7.418	(5.65)	1.686
42	XLB	S&P Sel Materials Spdr Fd	ARCX	63.28	0.38	0.60	(0.17)	7.11	4.54	21.79
43	PPH	VanEck Vctr Pharmaceutical ETF	NASDAQ	62.54	-0.09	0.03	(0.33)	5.44	5.63	12.95
44	GLD	SPDR Gold Trust	ARCX	126.51	0.65	0.44	(0.43)	6.07	2.23	12.81
45	IGN	iShs GS Networking Fd	ARCX	50.33	0.01	(0.10)	(0.49)	3.20	3.69	11.14
46	XLU	S&P Sel Utilities Spdr Fd	ARCX	49.98	-0.16	(0.26)	(0.50)	-9.11	(5.07)	8.46
47	XLI	S&P Sel Industrial Spdr Fd	ARCX	79.69	0.23	0.31	(0.57)	6.96	5.34	21.62
48	IYT	iShs Transp Avg ETF	BATS	203.350	0.080	0.36	(0.64)	8.684	6.46	17.680
49	XBI	SPDR S&P Biotech	ARCX	88.92	1.03	1.16	(0.78)	8.68	4.77	43.39
50	SCC	UltraShort Cons Svcs ProShs	ARCX	21.23	-0.37	0.00	(1.10)	-14.12	(10.74)	-31.58
51	USO	United States Oil Fd LP	ARCX	12.70	-0.06	(0.31)	(1.17)	10.99	5.91	2.47
52	IYZ	iShs US Telecom ETF	BATS	29.200	0.220	0.75	(1.18)	-0.748	(0.71)	-14.754
53	IYZ	iShs US Telecom ETF	BATS	29.200	0.220	0.75	(1.18)	-0.748	(0.71)	-14.754
54	SKF	UltraShort Finl ProShare	ARCX	19.56	-0.04	(0.20)	(1.21)	-6.81	(6.41)	-31.70
55	SRS	UltraShort Real Estate ProShrs	ARCX	31.91	-0.42	(1.32)	(1.33)	10.76	9.17	-18.03
56	XLE	S&P Sel Energy Spdr Fd	ARCX	76.40	-0.08	(0.13)	(1.34)	11.15	5.70	-4.06
57	SLV	iShs Silver Trust	ARCX	16.05	0.08	0.50	(1.35)	5.94	0.38	5.82
58	GDX	VanEck Vctrs Gold Miners ETF	ARCX	23.63	0.02	0.17	(1.50)	7.55	1.76	11.09
59	PBW	PwrShr WilderHill Clean Energy	ARCX	25.71	0.06	0.23	(1.57)	1.90	1.38	37.83
60	OIH	VanEck Vctrs Oil Svcs ETF	ARCX	28.49	0.26	0.91	(2.33)	16.67	9.37	-21.89
61	TAN	Guggenheim Solar Energy	ARCX	25.97	-0.01	(0.04)	(2.37)	5.87	3.34	51.66
62	SZK	UltraShort Cons Gds ProShs	ARCX	13.16	-0.20	(1.52)	(2.37)	-7.00	(3.24)	-27.27
63	REW	UltraShort Tech ProShs	ARCX	14.66	0.06	0.41	(2.40)	-9.45	(10.94)	-49.10
64	RXD	UltraShort Hlth Care ProShs	ARCX	27.18	0.30	0.00	(2.89)	-15.71	(10.64)	-35.24
65	FAZ	Finl Bear 3x Shs	ARCX	10.38	-0.21	(2.02)	(3.26)	-11.73	(11.21)	-46.18
66	SSG	UltraShort Semic ProShs	ARCX	9.00	-0.03	(0.33)	(7.02)	-15.25	(13.29)	-51.59
67										

Relative Strength Ranks (200)

S...	Sym	Exch	Last	YTD	1M	3M	1YR
1	DDD	NYSE	10.66	100	32	9	4
2	STX	NASDAQ	52.62	100	99	100	79
3	CMG	NYSE	343.95	99	79	49	8
4	OLED	NASDAQ	204.00	96	96	99	100
5	FOSL	NASDAQ	9.97	98	100	56	1
6	TGT	NYSE	78.00	98	99	88	45
7	ISRG	NASDAQ	433.23	97	94	79	97
8	NVDA	NASDAQ	229.88	97	97	72	99
9	IDXX	NASDAQ	180.63	96	92	54	84
10	JCP	NYSE	3.99	96	100	65	3
11	BA	NYSE	338.00	95	91	87	99
12	NTAP	NASDAQ	63.09	95	78	95	93
13	FARO	NASD5	54.40	94	89	94	80
14	FAS	ARCX	77.04	94	85	90	95
15	UAL	NYSE	76.29	93	97	61	22
16	XONE	NASDAQ	10.02	93	78	22	17
17	SINA	NASDAQ	120.06	92	96	36	96
18	TXN	NASDAQ	116.83	92	83	83	89
19	INFY	NYSE	18.02	91	83	81	53
20	WDAY	NASDAQ	114.11	91	80	45	71
21	ADBE	NASDAQ	195.73	90	79	84	94
22	MS	NYSE	57.28	90	69	68	66
23	MA	NYSE	166.83	89	70	67	86
24	SSYS	NASDAQ	22.82	89	29	34	37
25	NFLX	NASDAQ	220.27	88	93	64	89
26	GILD	NASDAQ	80.98	87	64	27	35
27	WYNN	NASDAQ	179.64	87	69	82	98
28	MRK	NYSE	61.28	86	71	18	19
29	TSLA	NASDAQ	349.98	86	31	20	77
30	CTSH	NASDAQ	77.29	85	65	36	68
31	TSM	NYSE	44.70	85	87	48	84
32	AMZN	NASDAQ	1,294.70	84	76	87	90
33	TSCO	NASDAQ	82.39	84	98	95	30
34	ILMN	NASDAQ	243.55	83	85	74	85
35	SODA	NASDAQ	75.74	83	77	83	95
36	CAT	NYSE	170.37	82	93	86	94
37	FXI	ARCX	51.91	82	87	58	76
38	KLAC	NASDAQ	115.02	81	71	44	74
39	ORCL	NYSE	50.52	81	65	55	59
40	ICE	NYSE	75.73	80	65	62	62
41	TEVA	NYSE	20.70	80	82	96	3
43	JAZZ	NASDAQ	148.70	79	75	41	46
44	LVS	NYSE	74.56	78	51	77	64
45	MCHP	NASDAQ	97.45	78	84	40	82
46	ADSK	NASDAQ	115.29	77	57	19	78
47	PCLN	NASDAQ	1,910.21	77	81	23	52
48	RL	NYSE	111.77	76	95	91	58
49	UPS	NYSE	133.11	76	86	62	40
50	CRM	NYSE	111.68	75	54	71	81
51	GRMN	NASDAQ	63.87	75	74	69	65
52	OIL	ARCX	7.05	74	91	89	42
53	V	NYSE	122.90	74	67	66	83
54	MELI	NASDAQ	345.31	73	70	97	97
55	UBNT	NASDAQ	75.01	73	89	78	56
56	AMGN	NASDAQ	189.28	72	62	29	51
57	MSTR	NASDAQ	140.98	72	56	33	6
58	MXIM	NASDAQ	55.83	71	68	65	72
59	VMW	NYSE	136.08	71	77	73	90
60	AMTD	NASDAQ	55.21	70	54	70	45
61	GOOG	NASDAQ	1,138.00	70	61	67	74
62	ESRX	NASDAQ	80.22	69	83	94	31
63	MNST	NASDAQ	66.66	69	41	74	87
64	CME	NASDAQ	154.28	68	42	71	69
65	IFN	NYSE	27.60	68	26	23	52
66	DECK	NYSE	85.39	67	84	86	76
67	FDX	NYSE	274.32	67	90	81	81
68	ABBV	NYSE	104.37	66	66	50	93
69	ULTA	NASDAQ	243.67	66	82	80	12
70	IP	NYSE	63.37	65	86	51	47
71	SBUX	NASDAQ	61.41	65	48	55	26
72	BAC	NYSE	31.68	64	73	76	72
73	CSCO	NASDAQ	41.29	64	68	80	70
74	WMT	NYSE	104.59	63	67	78	87
75	JWN	NYSE	52.00	62	90	82	48
76	NKE	NYSE	66.97	62	37	85	56
77	JNJ	NYSE	147.37	61	35	37	59
78	XLV	ARCX	88.44	61	51	42	54
79	PANW	NYSE	157.22	60	60	38	31
80	XLF	ARCX	29.52	60	55	60	58
81	BIDU	NASDAQ	255.98	59	74	14	80
82	DAL	NYSE	60.01	59	63	66	47
83	C	NYSE	78.30	58	45	47	71
84	DATA	NYSE	73.95	58	44	11	91
85	IBM	NYSE	162.10	57	59	30	15
86	OSIS	NASDAQ	68.53	57	39	3	16
87	DIA	ARCX	260.44	56	52	61	62
88	WDC	NASDAQ	85.60	56	46	27	46
89	CAVM	NASDAQ	89.84	55	64	84	73
90	QQQ	NASDAQ	166.51	55	50	59	66
91	XHB	ARCX	46.58	54	66	69	69
92	XRT	ARCX	48.33	54	72	77	32
93	CRAY	NASDAQ	25.35	53	28	91	82
94	XLK	ARCX	67.81	53	47	57	70
95	MSFT	NASDAQ	89.98	52	36	70	79
96	XLI	ARCX	79.69	52	62	54	53
97	FFIV	NASDAQ	138.76	51	52	75	16
98	JPM	NYSE	112.93	51	59	68	67
99	ULTI	NASDAQ	227.99	50	41	75	44
100	VRSN	NASDAQ	114.48	50	19	37	75
101	CTXS	NASDAQ	92.72	49	53	63	54
102	SFLY	NASD5	52.11	49	80	39	17
103	PM	NYSE	108.92	48	17	18	39
104	QCOM	NASDAQ	67.84	48	47	89	24
105	GD	NYSE	209.10	47	49	24	43
106	SPY	ARCX	280.11	47	49	51	51
107	LMT	NYSE	332.00	46	34	39	60
108	SHW	NYSE	430.80	46	60	59	85
109	IIF	NYSE	34.70	45	8	16	57
110	RHT	NYSE	125.50	45	10	35	92
111	EXPE	NASDAQ	126.27	44	42	5	26
112	XLE	ARCX	76.40	44	81	62	20
113	APA	NYSE	46.05	43	94	48	6
114	SPLK	NASDAQ	89.94	43	72	96	91
115	NOC	NYSE	316.88	42	31	49	67
116	X	NYSE	38.60	42	98	97	41
117	AAPL	NASDAQ	178.46	41	33	58	83
118	KO	NYSE	47.16	41	32	29	37
119	HON	NYSE	158.33	40	34	53	65
120	LOGM	NASDAQ	119.55	40	23	30	34
121	CYBR	NASDAQ	42.83	39	11	25	7
122	GM	NYSE	43.15	39	50	16	39
123	FEYE	NASDAQ	15.02	38	35	8	36
124	CVX	NYSE	131.30	37	75	56	35
125	KORS	NYSE	65.89	37	61	93	88
126	TJX	NYSE	78.27	36	57	53	24
127	YUM	NYSE	83.65	36	30	52	61
128	M	NYSE	26.93	35	76	92	12
129	MON	NYSE	120.66	35	33	22	33
130	BIIB	NASDAQ	342.41	34	40	24	48
131	JBL	NYSE	27.56	34	12	12	44
132	BUD	NYSE	115.23	33	39	9	29
133	IBB	NASDAQ	111.80	33	48	26	49
134	COST	NASDAQ	192.29	32	20	79	50
135	NXPI	NASDAQ	120.60	32	36	35	50
136	TRIP	NASDAQ	35.45	31	27	8	5
137	WBA	NASDAQ	76.47	31	56	64	11
138	CTRP	NASDAQ	46.85	30	58	7	28
139	PEP	NASDAQ	120.17	30	24	47	42
140	BMY	NYSE	62.15	29	21	20	34
141	MCD	NYSE	176.10	29	26	43	78
142	RDY	NYSE	38.67	28	37	41	9
143	TARO	NYSE	105.23	28	13	25	23
144	MLNX	NASDAQ	66.00	27	45	100	86
145	PFE	NYSE	36.86	27	16	32	40
146	FCX	NYSE	19.99	26	95	93	60
147	GLD	ARCX	126.32	26	53	34	29
148	LLY	NYSE	85.49	25	14	26	32
149	SWKS	NASDAQ	99.20	25	46	10	55
150	CHKP	NASDAQ	104.48	24	9	7	28
151	SAP	NYSE	112.94	24	14	28	55
152	CERN	NASDAQ	68.91	23	16	13	64
153	MO	NYSE	71.04	23	15	52	20
154	GS	NYSE	256.00	22	19	40	30
155	PG	NYSE	91.07	22	15	21	27
156	AKAM	NASDAQ	65.63	21	88	85	14
157	BWLD	NASDAQ	156.80	21	22	98	27
158	AVGO	NASDAQ	266.39	20	21	50	77
159	FB	NASDAQ	181.00	20	23	32	75
160	LULU	NASDAQ	79.50	19	43	92	43
161	WHR	NYSE	167.53	19	30	12	10
162	FSLR	NASDAQ	70.03	18	28	99	98
163	WAGE	NASDAQ	61.00	18	25	15	8
164	CRUS	NASDAQ	52.76	17	38	15	14
165	AXP	NYSE	98.03	16	18	45	57
166	YELP	NYSE	42.85	16	25	17	23
167	DIS	NYSE	110.53	15	17	60	21
168	GWPH	NASDAQ	132.42	15	29	76	33

RS Ranks Sorted (Alpha)

#	Sym	Exch	Last	YTD	1M	3M	1YR
1	AAPL	NASDAQ	178.46	41	33	58	83
2	ABBV	NYSE	104.37	66	66	50	93
3	ADBE	NASDAQ	195.73	90	79	84	94
4	ADSK	NASDAQ	115.29	77	57	19	78
5	AKAM	NASDAQ	65.63	21	88	85	14
6	ALNY	NASDAQ	124.83	5	18	42	100
7	ALXN	NASDAQ	121.05	12	43	6	9
8	AMAT	NASDAQ	57.40	79	73	33	92
9	AMBA	NASDAQ	51.86	1	3	19	25
10	AMGN	NASDAQ	189.28	72	62	29	51
11	AMTD	NASDAQ	55.21	70	54	70	45
12	AMZN	NASDAQ	1,294.70	84	76	87	90
13	APA	NYSE	46.05	43	94	48	6
14	ATHN	NASDAQ	127.59	5	5	44	25
15	AVGO	NASDAQ	266.39	20	21	50	77
16	AXP	NYSE	98.03	16	18	45	57
17	BA	NYSE	337.95	95	91	87	99
18	BAC	NYSE	31.68	64	73	76	72
19	BIDU	NASDAQ	255.98	59	74	14	80
20	BIIB	NASDAQ	342.41	34	40	24	48
21	BMY	NYSE	62.15	29	21	20	34
22	BUD	NYSE	115.23	33	39	9	29
23	BWLD	NASDAQ	156.80	21	22	98	27
24	C	NYSE	78.30	58	45	47	71
25	CAT	NYSE	170.36	82	93	86	94
26	CAVM	NASDAQ	89.84	55	64	84	73
27	CBS	NYSE	57.80	12	10	28	13
28	CELG	NASDAQ	102.65	9	5	3	10
29	CERN	NASDAQ	68.91	23	16	13	64
30	CHKP	NASDAQ	104.48	24	9	7	28
31	CME	NASDAQ	154.28	68	42	71	69
32	CMG	NYSE	343.95	99	79	49	8
33	COST	NASDAQ	192.29	32	20	79	50
34	CRAY	NASDAQ	25.35	53	28	91	82
35	CREE	NASDAQ	36.29	7	4	43	61
36	CRM	NYSE	111.68	75	54	71	81
37	CRUS	NASDAQ	52.76	17	38	15	14
38	CSCO	NASDAQ	41.29	64	68	80	70
39	CTRP	NASDAQ	46.85	30	58	7	28
40	CTSH	NASDAQ	77.29	85	65	36	68
41	CTXS	NASDAQ	92.72	49	53	63	54

#	Sym	Exch	Last	YTD	1M	3M	1YR
43	CYBR	NASDAQ	42.83	39	11	25	7
44	DAL	NYSE	60.01	59	63	66	47
45	DATA	NYSE	73.95	58	44	11	91
46	DDD	NYSE	10.66	100	32	9	4
47	DECK	NYSE	85.39	67	84	86	76
48	DIA	ARCX	260.43	56	52	61	62
49	DIS	NYSE	110.53	15	17	60	21
50	EQIX	NASDAQ	437.89	14	8	11	38
51	ESRX	NASDAQ	80.22	69	83	94	31
52	EXPE	NASDAQ	126.27	44	42	5	26
53	F	NYSE	12.00	6	7	21	15
54	FARO	NASDS	54.40	94	89	94	80
55	FAS	ARCX	77.04	94	85	90	95
56	FAZ	ARCX	10.38	2	2	4	2
57	FB	NASDAQ	181.00	20	23	32	75
58	FCX	NYSE	19.99	26	95	93	60
59	FDX	NYSE	274.32	67	90	81	81
60	FEYE	NASDAQ	15.02	38	35	8	36
61	FFIV	NASDAQ	138.76	51	52	75	16
62	FOSL	NASDAQ	9.97	98	100	56	1
63	FSLR	NASDAQ	70.03	18	28	67	74
64	FXI	ARCX	51.92	82	87	99	98
65	GD	NYSE	209.10	47	49	58	76
66	GE	NYSE	16.29	3	3	24	43
67	GILD	NASDAQ	80.98	87	64	2	2
68	GLD	ARCX	126.32	26	53	27	35
69	GM	NYSE	43.15	40	34	76	29
70	GOOG	NASDAQ	1,138.00	70	48	53	65
71	GPRO	NASDAQ	6.30	1	1	67	39
72	GRMN	NASDAQ	63.87	75	74	2	74
73	GS	NYSE	256.00	22	19	69	5
74	GWPH	NASDAQ	132.42	15	29	40	65
75	HON	NYSE	158.33	40	34	76	30
76	IBB	NASDAQ	111.80	33	48	53	49
77	IBM	NYSE	162.11	57	59	30	15
78	ICE	NYSE	75.73	80	65	55	62
79	IDXX	NASDAQ	180.63	96	92	54	84
80	IIF	NYSE	27.60	68	26	23	52
81	ILMN	NASDAQ	34.70	45	8	16	57
82	IMAX	NYSE	243.55	63	85	74	85
83	INCY	NASDAQ	20.25	2	1	17	4
84	OIL	NASDAQ	93.16	4	9	4	7

#	Sym	Exch	Last	YTD	1M	3M	1YR
85	INFY	NYSE	18.02	91	83	81	53
86	INTC	NASDAQ	44.80	7	22	57	49
87	IP	NYSE	63.37	65	86	51	47
88	ISRG	NASDAQ	433.23	97	94	79	97
89	JAZZ	NASDAQ	148.70	79	75	41	46
90	JBL	NYSE	27.56	34	12	12	44
91	JCP	NYSE	3.99	96	100	65	3
92	JNJ	NYSE	147.37	61	35	37	59
93	JNPR	NYSE	27.84	10	11	46	18
94	JPM	NYSE	112.93	51	59	68	67
95	JWN	NYSE	52.00	62	90	82	48
96	KLAC	NASDAQ	115.02	81	71	44	74
97	KO	NYSE	47.16	41	32	29	37
98	KORS	NYSE	65.89	37	61	93	88
99	LLY	NYSE	85.49	25	14	26	32
100	LMT	NYSE	332.00	46	34	39	60
101	LOGM	NASDAQ	119.55	40	23	30	34
102	LULU	NASDAQ	79.50	19	43	92	43
103	LVS	NYSE	74.56	78	51	77	64
104	M	NYSE	26.93	35	76	92	12
105	MA	NYSE	166.83	89	70	67	86
106	MCD	NYSE	176.10	29	26	43	78
107	MCHP	NASDAQ	97.45	78	84	40	82
108	MELI	NASDAQ	345.31	73	70	97	97
109	MLNX	NASDAQ	66.00	27	45	100	86
110	MNST	NASDAQ	66.86	69	41	74	87
111	MO	NYSE	71.04	23	15	52	20
112	MON	NYSE	120.66	35	33	22	33
113	MRK	NYSE	61.28	86	71	18	19
114	MS	NYSE	57.28	90	69	68	66
115	MSFT	NASDAQ	89.98	52	36	70	79
116	MSTR	NASDAQ	140.98	72	56	33	6
117	MU	NASDAQ	42.72	13	24	31	96
118	MXIM	NASDAQ	55.83	71	68	65	72
119	NFLX	NASDAQ	220.27	88	93	64	89
120	NKE	NYSE	66.97	62	37	85	56
121	NOC	NYSE	316.88	42	31	49	67
122	NTAP	NASDAQ	63.09	95	78	95	93
123	NTES	NASDAQ	328.40	4	4	73	68
124	NVDA	NASDAQ	229.82	97	97	72	99
125	NXPI	NASDAQ	120.60	32	36	35	50
126	OIL	ARCX	7.05	74	91	89	42

#	Sym	Exch	Last	YTD	1M	3M	1YR
127	OLED	NASDAQ	204.00	99	96	99	100
128	ORCL	NYSE	50.52	81	44	31	59
129	OSIS	NASDAQ	68.53	57	39	3	16
130	PANW	NYSE	157.22	60	60	38	31
131	PCLN	NASDAQ	1,910.21	77	81	23	52
132	PEP	NASDAQ	120.17	30	24	47	42
133	PFE	NYSE	36.86	27	16	32	40
134	PG	NYSE	91.07	22	15	21	27
135	PM	NYSE	108.92	48	17	18	39
136	QCOM	NASDAQ	67.84	48	47	89	24
137	QQQ	NASDAQ	166.49	55	50	59	66
138	RDY	NYSE	38.67	28	37	41	9
139	REGN	NASDAQ	371.53	11	7	5	19
140	RHT	NYSE	125.50	45	10	35	92
141	RL	NYSE	111.77	76	95	91	58
142	SAP	NYSE	112.94	24	14	28	55
143	SBUX	NASDAQ	61.41	65	48	55	26
144	SFLY	NASDS	52.11	49	80	39	17
145	SHLD	NASDAQ	3.75	8	6	1	1
146	SHW	NYSE	430.80	46	60	59	85
147	SINA	NASDAQ	120.06	96	96	36	96
148	SODA	NASDAQ	75.74	83	77	83	95
149	SOHU	NASDAQ	44.64	14	20	1	36
150	SPLK	NASDAQ	89.94	43	72	96	91
151	SPY	ARCX	280.12	47	49	51	51
152	SSYS	NASDAQ	22.82	89	29	34	37
153	STX	NASDAQ	52.62	100	99	100	79
154	SWKS	NASDAQ	99.20	25	46	10	55
155	SYMC	NASDAQ	27.46	6	6	6	22
156	TARO	NYSE	105.23	28	13	25	23
157	TEVA	NYSE	20.70	80	82	96	3
158	TGT	NYSE	78.00	98	99	88	45
159	TJX	NYSE	78.27	36	57	53	24
160	TRIP	NASDAQ	35.45	31	27	8	5
161	TSCO	NASDAQ	82.39	84	98	95	30
162	TSLA	NASDAQ	349.98	86	31	20	77
163	TSM	NYSE	44.70	85	87	48	84
164	TWTR	NYSE	23.58	92	58	90	73
165	TXN	NASDAQ	116.83	92	92	83	89
166	UAL	NYSE	76.29	93	97	61	22
167	UBNT	NASDAQ	75.01	73	89	78	56
168	ULTA	NASDAQ	247.67	82	91	80	12

Bullish/Bearish List

59 Neutral · 6 Bearish · 98 Bullish

#	rmt	Sym	Exch	Last	Direc.	#	rmt	Sym	Exch	Last	Direc.	#	rmt	Sym	Exch	Last	Direc.
1		CBS	NYSE	57.75	BEAR	36		GILD	NASDAQ	80.98	BULL	71		QQQ	NASDAQ	166.51	BULL
2		GE	NYSE	16.28	BEAR	37		GLD	ARCX	126.42	BULL	72		RDY	NYSE	38.67	BULL
3		GPRO	NASDAQ	6.30	BEAR	38		GOOG	NASDAQ	1,138.00	BULL	73		RHT	NYSE	125.50	BULL
4		IMAX	NYSE	20.25	BEAR	39		GRMN	NASDAQ	63.87	BULL	74		RL	NYSE	111.77	BULL
5		SYMC	NASDAQ	27.46	BEAR	40		IBB	NASDAQ	111.80	BULL	75		SBUX	NASDAQ	61.41	BULL
6		XLU	ARCX	50.00	BEAR	41		IBM	NYSE	162.10	BULL	76		SHW	NYSE	430.80	BULL
7		AAL	NASDAQ	58.06	BULL	42		ICE	NYSE	75.73	BULL	77		SINA	NASDAQ	120.06	BULL
8		AAPL	NASDAQ	178.54	BULL	43		ILMN	NASDAQ	243.55	BULL	78		SODA	NASDAQ	75.74	BULL
9		ADBE	NASDAQ	195.73	BULL	44		INFY	NYSE	18.02	BULL	79		SPLK	NASDAQ	89.94	BULL
10		AMAT	NASDAQ	57.34	BULL	45		IWM	ARCX	158.41	BULL	80		SPY	ARCX	280.20	BULL
11		AMGN	NASDAQ	189.28	BULL	46		JAZZ	NASDAQ	148.70	BULL	81		SSYS	NASDAQ	22.90	BULL
12		AMTD	NASDAQ	55.21	BULL	47		JNJ	NYSE	147.37	BULL	82		STX	NASDAQ	52.62	BULL
13		AMZN	NASDAQ	1,294.70	BULL	48		JPM	NYSE	113.00	BULL	83		TGT	NYSE	78.00	BULL
14		BA	NYSE	338.00	BULL	49		KLAC	NASDAQ	115.02	BULL	84		TJX	NYSE	78.27	BULL
15		BAC	NYSE	31.67	BULL	50		KO	NYSE	47.16	BULL	85		TSCO	NASDAQ	82.39	BULL
16		BIDU	NASDAQ	255.98	BULL	51		LMT	NYSE	332.00	BULL	86		TSLA	NASDAQ	350.00	BULL
17		BIIB	NASDAQ	342.41	BULL	52		LVS	NYSE	74.56	BULL	87		TXN	NASDAQ	116.83	BULL
18		BMY	NYSE	62.15	BULL	53		M	NYSE	26.93	BULL	88		UAL	NYSE	76.29	BULL
19		C	NYSE	78.22	BULL	54		MA	NYSE	166.50	BULL	89		ULTA	NASDAQ	243.67	BULL
20		CAT	NYSE	170.45	BULL	55		MCHP	NASDAQ	97.45	BULL	90		ULTI	NASDAQ	227.99	BULL
21		CME	NASDAQ	154.28	BULL	56		MELI	NASDAQ	345.00	BULL	91		UPS	NYSE	133.11	BULL
22		CRM	NYSE	111.68	BULL	57		MNST	NASDAQ	66.86	BULL	92		V	NYSE	122.70	BULL
23		CSCO	NASDAQ	41.30	BULL	58		MS	NYSE	57.28	BULL	93		VMW	NYSE	136.08	BULL
24		CTSH	NASDAQ	77.29	BULL	59		MSFT	NASDAQ	89.95	BULL	94		VRSN	NASDAQ	114.48	BULL
25		CTXS	NASDAQ	92.72	BULL	60		MXIM	NASDAQ	55.83	BULL	95		WDAY	NASDAQ	114.11	BULL
26		CVX	NYSE	131.30	BULL	61		NFLX	NASDAQ	220.35	BULL	96		WMT	NYSE	104.59	BULL
27		DAL	NYSE	60.01	BULL	62		NKE	NYSE	66.90	BULL	97		WYNN	NASDAQ	179.64	BULL
28		DECK	NYSE	85.39	BULL	63		NOC	NYSE	316.37	BULL	98		X	NYSE	38.60	BULL
29		DIA	ARCX	260.31	BULL	64		NTAP	NASDAQ	63.09	BULL	99		XHB	ARCX	46.58	BULL
30		ESRX	NASDAQ	80.22	BULL	65		NVDA	NASDAQ	229.80	BULL	100		XLE	ARCX	76.38	BULL
31		FAS	ARCX	76.89	BULL	66		OLED	NASDAQ	204.00	BULL	101		XLF	ARCX	29.52	BULL
32		FCX	NYSE	19.58	BULL	67		PANW	NYSE	157.28	BULL	102		XLI	ARCX	79.69	BULL
33		FDX	NYSE	274.32	BULL	68		PEP	NASDAQ	120.17	BULL	103		XLK	ARCX	67.80	BULL
34		FFIV	NASDAQ	138.76	BULL	69		PFE	NYSE	36.86	BULL	104		XLV	ARCX	88.44	BULL
35		FXI	ARCX	51.92	BULL	70		QCOM	NASDAQ	67.84	BULL	105		XRT	ARCX	48.30	BULL

52 Week Highs and Lows

#	Sym	Exch	Last	52 Wk High	52 Wk Low
1	AAL	NASDAQ	58.06	59.08	39.21
2	AAPL	NASDAQ	178.56	180.10	119.50
3	ADBE	NASDAQ	195.73	198.21	109.57
4	ADSK	NASDAQ	115.29	131.10	79.15
5	AKAM	NASDAQ	65.63	71.34	44.65
6	ALNY	NASDAQ	124.83	147.63	35.98
7	ALXN	NASDAQ	121.05	149.34	96.18
8	AMAT	NASDAQ	57.34	60.89	33.56
9	AMBA	NASDAQ	51.86	66.23	40.06
10	AMD	NASDS	12.58	15.65	9.67
11	AMGN	NASDAQ	189.28	191.10	150.38
12	AMTD	NASDAQ	55.21	55.29	36.12
13	AMZN	NASDAQ	1,294.70	1,339.94	803.00
14	AVGO	NASDAQ	266.39	285.68	188.10
15	AXP	NYSE	98.00	102.39	75.39
16	BA	NYSE	338.00	352.23	157.29
17	BAC	NYSE	31.69	31.79	22.07
18	BIDU	NASDAQ	256.00	274.97	166.00
19	BIIB	NASDAQ	342.41	348.84	244.28
20	BMY	NYSE	62.15	66.10	46.01
21	BUD	NYSE	115.23	126.50	103.55
22	BWLD	NASDAQ	156.80	165.70	95.00
23	C	NYSE	78.22	78.44	55.23
24	CAT	NYSE	170.45	173.24	90.34
25	CBS	NYSE	57.75	70.10	52.75
26	CELG	NASDAQ	102.65	147.17	94.55
27	CERN	NASDAQ	68.91	73.86	50.33
28	CHKP	NASDAQ	104.48	119.20	96.25
29	CME	NASDAQ	154.28	155.15	111.32
30	CMG	NYSE	343.95	499.00	263.00
31	COST	NASDAQ	192.29	195.35	150.00
32	CREE	NASDAQ	36.29	40.24	20.50
33	CRM	NYSE	111.68	112.17	75.43
34	CSCO	NASDAQ	41.30	41.48	30.00
35	CTRP	NASDAQ	46.85	60.65	42.53
36	CTSH	NASDAQ	77.29	77.14	51.52
37	CTXS	NASDAQ	92.72	92.62	70.24
38	CVX	NYSE	131.30	133.88	102.55
39	CYBR	NASDAQ	42.83	55.65	39.34
40	DAL	NYSE	60.01	60.79	43.81
41	DATA	NYSE	73.75	82.32	44.13
42	DDD	NYSE	10.66	23.70	7.92
43	DECK	NYSE	85.39	84.19	44.00
44	DIA	ARCX	260.31	261.32	197.04
45	DIS	NYSE	110.89	116.10	96.20
46	ESRX	NASDAQ	80.22	81.75	55.80
47	EXPE	NASDAQ	126.27	161.00	115.55
48	F	NYSE	12.00	13.48	10.47
49	FAS	ARCX	76.89	76.66	40.37

#	Sym	Exch	Last	52 Wk High	52 Wk Low
51	FB	NASDAQ	181.44	188.90	126.78
52	FCX	NYSE	19.58	20.07	11.05
53	FDX	NYSE	274.32	274.66	182.89
54	FFIV	NASDAQ	138.76	149.50	114.63
55	FOSL	NASDAQ	9.97	26.78	5.50
56	FSLR	NASDAQ	70.03	76.61	25.56
57	FXI	ARCX	51.92	51.13	36.14
58	GD	NYSE	209.10	214.81	172.43
59	GE	NYSE	16.29	30.90	16.76
60	GILD	NASDAQ	80.98	86.27	63.76
61	GLD	ARCX	126.42	128.32	112.81
62	GM	NYSE	43.10	46.76	31.92
63	GOOG	NASDAQ	1,138.00	1,139.91	790.52
64	GPRO	NASDAQ	6.30	11.89	5.04
65	GRMN	NASDAQ	63.87	63.34	47.03
66	GS	NYSE	256.00	262.14	209.62
67	GWPH	NASDAQ	132.42	140.52	92.65
68	IBB	NASDAQ	111.80	114.17	88.96
69	IBM	NYSE	162.10	182.79	139.13
70	ICE	NYSE	75.73	75.59	56.69
71	IFN	NYSE	27.60	28.81	22.06
72	IIF	NYSE	34.70	36.80	26.78
73	ILMN	NASDAQ	243.55	248.97	156.50
74	IMAX	NYSE	20.25	34.60	17.58
75	INFY	NYSE	18.02	18.25	13.42
76	INTC	NASDAQ	44.80	47.64	33.23
77	IWM	ARCX	158.44	159.41	132.40
78	JAZZ	NASDAQ	148.70	163.75	117.16
79	JNJ	NYSE	147.37	148.32	110.76
80	JNPR	NYSE	27.84	30.96	23.87
81	JPM	NYSE	113.00	113.72	81.64
82	KLAC	NASDAQ	115.02	115.83	80.68
83	KO	NYSE	47.16	47.48	40.22
84	KORS	NYSE	65.89	65.37	32.38
85	LLY	NYSE	85.49	89.09	74.00
86	LMT	NYSE	332.00	336.67	248.00
87	LOGM	NASDAQ	119.55	129.51	90.35
88	LULU	NASDAQ	79.50	81.92	47.26
89	LVS	NYSE	74.56	74.25	51.35
90	M	NYSE	26.93	34.37	17.41
91	MA	NYSE	166.50	165.98	104.01
92	MCD	NYSE	176.10	175.78	119.82
93	MCHP	NASDAQ	97.45	97.60	65.85
94	MELI	NASDAQ	345.00	348.17	172.85
95	MNST	NASDAQ	66.86	67.24	41.02
96	MO	NYSE	71.04	77.79	60.01
97	MON	NYSE	120.66	122.79	106.97
98	MRK	NYSE	61.28	66.80	53.63
99	MS	NYSE	57.28	55.99	40.06
	MSFT	NASDAQ	89.95	90.79	62.37

Sym	Exch	Last	52 Wk High	52 Wk Low
MSTR	NASDAQ	140.98	205.96	122.90
MU	NASDAQ	42.73	49.89	21.74
MXIM	NASDAQ	55.83	56.50	40.88
NFLX	NASDAQ	220.30	226.07	137.03
NKE	NYSE	66.90	65.36	50.35
NOC	NYSE	316.37	318.70	223.88
NTAP	NASDAQ	63.09	63.97	35.77
NTES	NASDAQ	328.40	377.64	239.21
NVDA	NASDAQ	229.81	227.51	95.17
OLED	NASDAQ	204.00	208.20	56.85
ORCL	NYSE	50.52	53.14	39.43
PANW	NYSE	157.28	158.78	107.31
PCLN	NASDAQ	1,910.86	2,067.99	528.01
PEP	NASDAQ	120.17	120.57	102.44
PFE	NYSE	36.86	37.37	30.90
PG	NYSE	91.07	94.67	85.42
QCOM	NASDAQ	67.84	69.28	48.92
QQQ	NASDAQ	166.51	166.41	122.57
RDY	NYSE	38.67	46.95	29.83
RHT	NYSE	125.50	130.93	73.46
RL	NYSE	111.77	110.93	66.06
SAP	NYSE	112.94	116.90	88.84
SBUX	NASDAQ	61.41	64.87	50.84
SHW	NYSE	430.80	435.15	280.14
SINA	NASDAQ	120.06	120.40	62.02
SODA	NASDAQ	75.74	76.42	40.60
SOHU	NASDAQ	44.64	70.86	37.78
SPLK	NASDAQ	89.94	92.10	52.89
SPY	ARCX	280.22	280.09	225.27
SSYS	NASDAQ	22.90	30.88	18.04
STX	NASDAQ	52.62	52.42	30.60
SWKS	NASDAQ	99.20	117.65	84.69
SYMC	NASDAQ	27.46	34.20	25.65
TARO	NYSE	105.23	128.46	94.00
TGT	NYSE	78.00	77.91	48.56
TJX	NYSE	78.27	80.92	66.44
TRIP	NASDAQ	35.45	53.47	29.50
TSCO	NASDAQ	82.39	81.19	49.87
TSLA	NASDAQ	350.00	389.61	242.01
TWTR	NYSE	23.58	25.85	14.12
TXN	NASDAQ	116.83	119.98	74.16
UAL	NYSE	76.29	83.04	56.51
ULTA	NASDAQ	243.67	314.86	187.96
ULTI	NASDAQ	227.99	233.42	181.59
UPS	NYSE	133.11	135.53	102.12
UTHR	NASDAQ	139.51	169.89	112.01
V	NYSE	122.70	123.19	81.50
VMW	NYSE	136.08	136.19	81.26
VRSN	NASDAQ	114.48	118.28	79.21
VZ	NYSE	53.69		42.80

D%, W%, M%, YTD%

Block 1

S..	Sym	Exch	Last	1D%	W%	M%	YTD%	PYTD%
1	AAL	NASDAQ	58.06	-0.48	(0.7)	13.7	11.6	11.44
2	AAPL	NASDAQ	178.56	-0.45	0.8	2.6	5.5	46.11
3	ADBE	NASDAQ	195.73	-0.24	0.3	10.3	10.0	70.22
4	ADSK	NASDAQ	115.29	2.38	(0.5)	6.4	10.0	41.64
5	AKAM	NASDAQ	65.63	0.84	0.2	13.6	0.9	-2.46
6	ALNY	NASDAQ	124.83	0.67	(3.3)	(0.6)	(1.7)	239.34
7	ALXN	NASDAQ	121.05	0.58	(1.4)	4.6	1.2	-2.26
8	AMAT	NASDAQ	57.34	0.00	7.4	9.3	12.3	58.41
9	AMBA	NASDAQ	51.86	-2.37	(6.4)	(9.1)	(12.5)	8.54
10	AMD	NASDS	12.58	0.95	4.7	22.4	22.5	-9.35
11	AMGN	NASDAQ	189.28	0.89	2.3	6.9	8.8	18.94
12	AMTD	NASDAQ	55.21	0.38	1.2	6.1	7.9	17.27
13	AMZN	NASDAQ	,294.70	0.10	(0.8)	9.8	10.7	55.96
14	AVGO	NASDAQ	266.39	-1.28	0.8	0.0	3.7	45.33
15	AXP	NYSE	98.00	-1.87	(2.9)	(0.5)	(1.3)	34.06
16	BA	NYSE	338.00	-0.72	0.5	14.9	14.5	89.43
17	BAC	NYSE	31.68	0.76	1.7	9.2	7.5	33.57
18	BIDU	NASDAQ	255.90	0.40	1.2	9.6	9.3	42.45
19	BIIB	NASDAQ	342.41	-0.59	1.9	4.4	7.5	12.34
20	BMY	NYSE	62.15	0.74	(0.8)	(0.2)	1.6	4.86
21	BUD	NYSE	115.23	0.05	0.2	4.1	3.2	5.80
22	BWLD	NASDAQ	156.80	0.03	0.0	0.3	0.3	1.26
23	C	NYSE	78.22	1.16	1.9	4.7	5.2	25.21
24	CAT	NYSE	170.45	0.93	0.1	16.2	8.1	69.92
25	CBS	NYSE	57.75	-3.90	(1.8)	(2.0)	(2.1)	-7.26
26	CELG	NASDAQ	102.65	0.91	(3.2)	(6.2)	(1.6)	-9.84
27	CERN	NASDAQ	68.91	-0.84	(5.5)	(0.7)	0.8	42.26
28	CHKP	NASDAQ	104.48	1.23	1.4	(2.6)	0.2	22.69
29	CME	NASDAQ	154.28	1.34	1.0	4.5	5.6	30.58
30	CMG	NYSE	343.95	1.84	5.0	10.2	19.0	-23.40
31	COST	NASDAQ	192.29	0.41	0.2	(0.2)	3.3	21.56
32	CREE	NASDAQ	36.29	0.30	(1.5)	(7.3)	(2.3)	40.74
33	CRM	NYSE	111.68	0.14	1.5	6.1	9.5	49.33
34	CSCO	NASDAQ	41.30	-0.02	1.0	8.1	6.2	26.74
35	CTRP	NASDAQ	46.85	-1.28	(1.7)	6.5	6.2	10.25
36	CTSH	NYSE	77.29	0.70	3.7	7.2	8.8	26.75
37	CTXS	NASDAQ	92.72	1.45	3.0	5.9	5.4	23.73
38	CVX	NYSE	131.13	-0.22	(1.7)	9.7	4.9	6.36
39	CYBR	NASDAQ	42.83	0.82	(1.3)	(1.7)	3.5	-9.03
40	DAL	NYSE	60.01	0.93	0.3	7.0	7.2	13.84
41	DATA	NYSE	73.75	1.23	(0.8)	4.7	6.9	64.18
42	DDD	NYSE	10.66	1.03	(4.7)	2.5	23.4	-34.99
43	DECK	NYSE	85.39	2.16	2.9	12.4	6.4	44.88
44	DIA	ARCX	260.45	0.15	1.0	5.8	5.3	25.25
45	DIS	NYSE	110.89	0.11	(1.7)	(0.7)	2.8	3.16
46	ESRX	NASDAQ	80.22	0.27	(0.8)	12.1	7.5	8.50
47	EXPE	NASDAQ	126.27	-0.49	(4.6)	4.5	5.4	5.73
48	F	NYSE	12.00	-0.58	(9.3)	(4.6)	(3.9)	2.97
49	FAS	ARCX	76.89	2.03	3.2	12.5	12.4	67.19
50	FAZ	ARCX	10.38	-2.02	(3.3)	(11.7)	(11.2)	-46.18
51	FB	NASDAQ	181.44	0.82	1.1	0.6	2.7	53.38
52	FCX	NYSE	20.01	2.81	1.1	17.6	5.3	43.75
53	FDX	NYSE	274.32	0.78	0.9	14.3	9.9	34.02
54	FFIV	NASDAQ	138.76	0.55	(2.2)	5.9	5.7	-9.33
55	disclaimer FOSkation NASDAQs ont9.976		on7.97..	a:7.97..	6.9..	46.2..	-29.1..	-69.95

Block 2

S..	Sym	Exch	Last	1D%	W%	M%	YTD%	PYTD%
56	FSLR	NASDAQ	70.03	-1.51	(4.6)	1.6	3.7	110.41
57	FXI	ARCX	51.92	1.64	4.3	13.5	12.5	33.02
58	GD	NYSE	209.10	0.61	(0.7)	5.1	2.8	17.83
59	GE	NYSE	16.29	-3.14	(13.3)	(8.8)	(6.8)	-44.78
60	GILD	NASDAQ	80.98	-0.23	2.5	7.2	13.0	0.04
61	GLD	ARCX	126.42	0.44	(0.4)	6.1	2.2	12.81
62	GM	NYSE	43.10	-1.65	(2.1)	5.4	5.3	17.65
63	GOOG	NASDAQ	,138.00	0.68	1.4	6.9	8.7	35.58
64	GPRO	NASDAQ	6.30	0.32	1.0	(21.8)	(16.9)	-13.09
65	GRMN	NASDAQ	63.87	0.99	3.1	9.4	7.2	22.85
66	GS	NYSE	256.00	2.01	(0.4)	(0.4)	0.5	6.39
67	GWPH	NASDAQ	132.42	0.32	0.3	1.7	0.3	18.13
68	IBB	NASDAQ	111.80	0.65	0.0	5.1	4.9	20.70
69	IBM	NYSE	162.10	-4.16	(0.5)	6.5	5.8	-7.57
70	ICE	NYSE	75.73	0.44	1.1	7.2	7.1	25.06
71	IFN	NYSE	27.60	2.30	2.2	1.1	6.4	22.11
72	IIF	NYSE	34.70	2.28	0.9	(3.5)	4.7	29.39
73	ILMN	NASDAQ	243.55	0.92	(0.5)	12.5	11.5	70.64
74	IMAX	NYSE	20.25	-3.45	(1.9)	(18.8)	(12.3)	-26.27
75	INFY	NYSE	18.02	0.39	7.0	12.0	10.9	9.37
76	INTC	NASDAQ	44.80	0.76	3.7	0.6	(2.9)	27.27
77	IWM	ARCX	158.44	1.30	0.3	4.2	4.0	13.06
78	JAZZ	NASDAQ	148.70	-0.37	(1.0)	9.7	10.4	23.50
79	JNJ	NYSE	147.37	0.30	1.1	3.4	5.5	21.27
80	JNPR	NYSE	27.84	0.68	(3.6)	(1.9)	(2.3)	0.85
81	JPM	NYSE	113.00	-0.22	0.3	6.5	5.7	23.93
82	KLAC	NASDAQ	115.02	0.32	7.2	8.9	9.5	33.54
83	KO	NYSE	47.16	0.59	2.2	2.1	2.8	10.66
84	KORS	NYSE	65.89	1.31	1.0	6.8	4.6	46.46
85	LLY	NYSE	85.49	-0.39	(1.7)	(1.2)	1.2	14.83
86	LMT	NYSE	332.00	-0.30	(1.3)	2.8	3.4	28.45
87	LOGM	NASDAQ	119.55	0.88	(1.2)	0.7	4.4	19.21
88	LULU	NASDAQ	79.50	2.23	0.6	4.6	1.0	20.93
89	LVS	NYSE	74.56	1.05	4.9	5.7	7.2	30.11
90	M	NYSE	26.93	1.52	0.4	9.8	7.2	-29.66
91	MA	NYSE	166.50	0.81	2.8	8.8	10.2	46.60
92	MCD	NYSE	176.10	0.88	1.5	1.2	2.3	41.41
93	MCHP	NASDAQ	97.45	0.16	4.3	12.3	10.9	36.99
94	MELI	NASDAQ	345.00	0.99	0.8	8.3	9.7	101.52
95	MNST	NASDAQ	66.86	0.58	4.8	4.5	5.6	42.74
96	MO	NYSE	71.04	1.53	2.2	(0.8)	(0.4)	11.00
97	MON	NYSE	120.66	1.49	0.8	2.8	3.3	11.00
98	MRK	NYSE	61.28	0.24	4.5	9.0	8.9	-4.42
99	MS	NYSE	57.28	2.82	4.2	8.2	9.5	24.19
100	MSFT	NASDAQ	89.98	-0.11	0.4	3.6	5.2	37.66
1..	MSTR	NASDAQ	140.98	1.51	0.9	6.3	7.4	-33.49
1..	MU	NASDAQ	42.73	-2.90	(0.1)	0.8	4.0	87.59
1..	MXIM	NASDAQ	55.83	1.36	2.8	7.9	8.2	35.55
1..	NFLX	NASDAQ	220.40	0.06	(0.3)	16.0	14.8	55.06
1..	NKE	NYSE	66.90	4.61	3.9	3.7	7.5	23.06
1..	NOC	NYSE	316.37	0.66	0.4	1.9	3.1	31.96
1..	NTAP	NASDAQ	63.09	-0.33	0.5	10.2	14.0	56.85
1..	NTES	NASDAQ	328.40	1.03	(1.0)	(8.5)	(5.7)	60.24
1..	NVDA	NASDAQ	229.72	2.46	3.2	20.1	18.9	81.28
1..	OLED	NASDAQ	204.00	-0.96	3.6	19.4	18.0	206.66

Block 3

S..	Sym	Exch	Last	1D%	W%	M%	YTD%	PYTD%
111	ORCL	NYSE	50.52	0.69	2.2	4.7	7.0	22.96
1..	PANW	NYSE	157.28	-0.43	2.4	6.7	8.4	15.91
1..	PCLN	NASDAQ	,910.86	3.06	4.8	11.1	9.9	18.53
1..	PEP	NASDAQ	120.17	0.93	2.4	0.8	0.2	14.61
1..	PFE	NYSE	36.86	-0.14	1.1	(0.7)	2.0	11.51
1..	PG	NYSE	91.07	0.98	1.6	(0.9)	(0.9)	9.28
1..	QCOM	NASDAQ	67.84	-0.01	4.1	5.1	6.3	-1.81
1..	QQQ	NASDAQ	166.48	0.31	1.1	5.5	6.8	31.47
1..	RDY	NYSE	38.67	0.96	1.2	3.9	2.9	-17.05
1..	RHT	NYSE	125.50	0.38	0.0	(2.2)	4.9	72.31
1..	RL	NYSE	111.77	2.63	5.6	17.4	8.8	14.80
1..	SAP	NYSE	112.94	1.32	2.8	(1.0)	0.7	30.00
1..	SBUX	NASDAQ	61.41	0.28	1.4	5.1	6.7	3.44
1..	SHW	NYSE	430.80	0.00	(0.5)	6.7	5.1	52.58
1..	SINA	NASDAQ	120.06	0.36	6.2	19.0	19.7	78.81
1..	SODA	NASDAQ	75.74	-0.07	3.6	10.0	7.6	78.21
1..	SOHU	NASDAQ	44.64	-1.37	0.3	(0.4)	3.0	27.91
1..	SPLK	NASDAQ	89.94	-1.66	0.3	9.1	8.6	61.96
1..	SPY	ARCX	280.22	0.45	0.9	5.2	5.1	19.38
1..	SSYS	NASDAQ	22.90	0.13	(1.8)	1.6	14.3	20.68
1..	STX	NASDAQ	52.62	1.16	2.7	25.2	25.8	9.61
1..	SWKS	NASDAQ	99.20	-3.11	(2.0)	4.8	4.5	27.18
1..	SYMC	NASDAQ	27.46	0.76	(4.7)	(5.2)	(2.1)	17.46
1..	TARO	NYSE	105.23	-1.98	(0.6)	(1.3)	0.4	-0.53
1..	TGT	NYSE	78.00	0.23	1.7	24.7	19.7	-9.66
1..	TJX	NYSE	78.27	2.08	0.8	6.4	3.2	1.77
1..	TRIP	NASDAQ	35.45	-0.48	(3.0)	1.2	2.9	-25.68
1..	TSCO	NASDAQ	82.39	1.81	3.5	20.4	10.2	-1.40
1..	TSLA	NASDAQ	350.00	1.56	4.1	1.9	12.4	45.70
1..	TWTR	NYSE	23.58	-1.61	(6.9)	6.4	(1.5)	47.30
1..	TXN	NASDAQ	116.83	0.36	3.6	15.4	11.9	43.13
1..	UAL	NYSE	76.29	0.26	(2.4)	20.0	13.5	-7.52
1..	ULTA	NASDAQ	243.67	0.40	2.9	11.9	9.2	-12.27
1..	ULTI	NASDAQ	227.99	-0.37	0.8	4.4	4.5	19.68
1..	UPS	NYSE	133.11	-0.38	(0.8)	12.8	11.7	3.93
1..	UTHR	NASDAQ	139.51	-0.01	(1.2)	1.5	(5.7)	3.15
1..	V	NYSE	122.70	-0.33	2.2	7.8	7.6	46.14
1..	VMW	NYSE	136.08	0.30	2.6	9.9	8.6	59.18
1..	VRSN	NASDAQ	114.48	-0.05	0.8	(0.5)	0.0	50.44
1..	VZ	NYSE	51.89	0.69	0.1	(1.4)	(1.9)	-0.84
1..	WDAY	NASDAQ	114.11	0.73	1.1	10.3	12.2	53.94
1..	WDC	NASDAQ	85.60	-0.93	3.0	4.9	7.6	17.04
1..	WMT	NYSE	104.59	0.28	3.7	7.7	5.9	42.87
1..	WYNN	NASDAQ	179.64	2.32	8.5	8.2	6.6	94.88
1..	X	NYSE	38.60	-0.67	(0.9)	21.7	10.2	6.60
1..	XHB	ARCX	46.58	1.09	0.8	7.6	5.2	30.75
1..	XLE	ARCX	76.38	-0.13	(1.3)	11.1	5.7	-4.06
1..	XLF	ARCX	29.51	0.71	1.1	6.2	5.8	20.04
1..	XLI	ARCX	79.69	0.31	(0.6)	7.0	5.3	21.62
1..	XLK	ARCX	67.80	0.19	1.5	5.0	6.0	32.24
1..	XLU	ARCX	50.00	-0.26	(0.5)	(9.1)	(5.1)	8.46
1..	XLV	ARCX	88.44	0.41	1.9	5.7	7.0	19.93
1..	XONE	NASDAQ	10.02	2.69	1.0	10.0	19.3	-10.06
1..	XRT	ARCX	48.30	1.76	0.9	9.0	6.8	2.52
1..	YELP	NYSE	42.85	-0.33	(5.6)	Bat10m	2.1	10.04

Algorithmic Trading

Algo. Techniques

Algo. Reports

Current Algorithms

Trading Bearish Shark Patterns

by Suri Duddella

Harmonic Patterns foundation and trading concepts were laid by H.M. Gartley in 1932. H.M. Gartley wrote about a 5-point pattern (known as Gartley) in his book, Profits in the Stock Market. Few other authors who have worked on this pattern theory, but the best work to my knowledge is done by Scott Carney in his books of "Harmonic Trading." Scott Carney also invented patterns like 'Crab,' 'Bat,' 'Shark,' '5-0' and added real depth of knowledge for with Fibonacci ratios and established rules on how to trade their trading rules, validity and risk/money management. His pioneering work is truly impressive, and the trading world should thank him immensely as he has opened newer trading styles and careers for many traders.

The primary theory behind Harmonic patterns is price/time movements which adhere to Fibonacci ratio relationships and its symmetry in markets. Fibonacci ratio analysis works well with any markets and on any time-frame charts. The basic idea of using these ratios is to identify key turning points, retracements, and extensions along with a series of the swing high and the swing low points. The derived projections and retracements using these swing points (Highs and Lows) will give key price levels for Targets or Stops.

Pattern Identification

Harmonic pattern identification can be a bit hard with the naked eye, but once a trader understands the pattern structure, it can be relatively easily spotted by Fibonacci tools. The primary Harmonic patterns are 5-point (Gartley, Butterfly, Crab, Bat, Shark and Cypher) patterns. These patterns have embedded 3-point (ABC), 4-Point (ABCD) patterns. All the price swings between these points are inter-related and have harmonic ratios based on Fibonacci. Patterns are either forming or completed 'M' or 'W' shaped structures or combinations of 'M' and 'W', in the case of 3-drives. Harmonic patterns (5-point) have a critical origin (X)

followed by an impulse wave (XA) followed by a corrective wave to form the 'EYE' at (B) completing AB leg. Then followed by a trend wave (BC) and finally completed by a corrective leg (CD). The critical harmonic ratios between these legs determine whether a pattern is a retracement based or extension based pattern and defines its names (Gartley, Butterfly, Crab, Bat, Shark and Cypher). One of the significant point to remember is: All 5-point and 4-point Harmonic patterns have embedded ABC (3-Point) patterns.

All 5-point Harmonic patterns (Gartley, Butterfly, Crab, Bat, Shark, Cypher) have similar principles and structures, and they differ by their ratios to identify them and locations of key nodes (X, A, B, C, D) but once one of the patterns is understood it may be relatively easy to grasp knowledge of others. It may help for traders to use an automated pattern recognition software to identify these patterns than using naked eye to find or force these pattern identification.

Trade Entries and Stops

To enter a trade, I prefer a confirmation of reversal price-action combined with a reversal trend change from the "reversal zones." at 'D'.

It could be a Buy (in bullish patterns) or a Sell (in bearish patterns). Usually, 'D' is identified by a confluence of projections, retracements and extensions of prior swings (legs), universally called as "reversal zone." The entry criteria and pattern validity are determined by various other factors like current volatility, underlying trend, volume structure within the pattern and market internals etc. If the pattern is valid and the underlying trend and market internals agreeing with the Harmonic pattern reversal, then Entry levels (EL) can be calculated using price-ranges, volatility or some combination. Stop is placed above/below the last significant pivot (in 5 and 4-Point patterns it is below D for the bullish pattern, above D for bearish patterns).

Target Zones

Target zones in Harmonic patterns are computed based on the retracement, extensions or projections of impulse/corrective swings and Fibonacci ratios from the action point of the pattern structure. For example, in Gartley bullish pattern, the target zones are computed using XA leg from the trade action point (D). The projections are computed using Fib. ratios like 62%, 78.6% of XA leg and added to the action point (D). The extension ratios like 1., 1.27, 1.62, 2., 2.27, 2.62 are computed for potential target levels. The primary target zones are marked computed from D as 62%-78.6% of XA leg (or largest of XA and CD) as the first target zone and 127%-162% as the second target zone.

Target Zone1: (D + XA*0.62) to (D+XA*.786)

Target Zone2: (D + XA*1.27) to (D+XA*1.62)

Examples
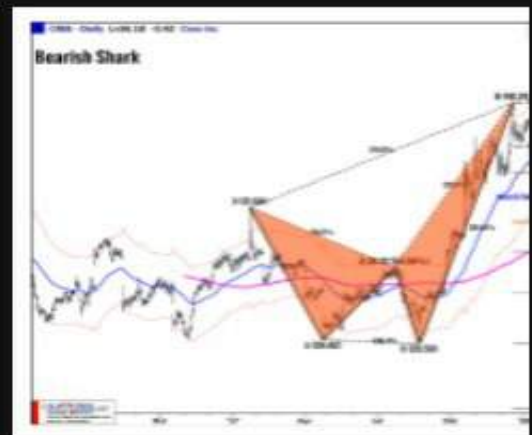
Plato Algo. Performance Report (1/22/18)

Short/Medium Term, Not for Sale or Lease.

	Symbol	Last	suri.Plato					
			Long Date	Num Days	Long Entry	Stop	PL Pts	PL %
1	**PLATO ALGO**							
2	ADBE	195.73	01/06/2017	270	108.53	165.2	87.20	80.3
3	ADSK	115.29						
4	AMGN	189.28	01/12/2018	5	185.71	173.4	3.57	1.9
5	AMZN	1,294.58	10/27/2017	60	1,105.68	1,085.5	188.90	17.1
6	AVGO	266.39	04/21/2017	195	219.22	250.9	47.17	21.5
7	AXP(D)	98.00	06/09/2017	160	80.83	92.6	17.20	21.3
8	BA(D)	338.00	10/21/2016	325	137.05	263.9	200.68	146.4
9	BABA(D)	184.20	01/05/2018	10	190.85	168.3	-6.80	(3.6)
10	BIDU	255.90	05/12/2017	180	188.08	228.0	67.90	36.1
11	BIIB	342.41	06/23/2017	150	284.56	309.0	57.85	20.3
12	C(D)	78.12	08/05/2016	380	45.83	71.3	32.47	70.8
13	CELG	102.65						
14	CMG(D)	343.95	07/24/2015	650	734.60	330.6	-390.73	(53.2)
15	CVX(D)	131.13	03/11/2016	485	96.24	116.7	35.06	36.4
16	EBAY	38.43	12/15/2017	25	38.52	36.2	-0.09	(0.2)
17	FB	181.31	01/13/2017	265	129.37	171.0	51.92	40.1
18	FDX(D)	274.32	06/02/2017	165	204.99	227.3	69.33	33.8
19	GLD(D)	126.42	12/29/2017	15	124.18	120.7	2.23	1.8
20	GOOG	1,138.00	09/29/2017	80	959.89	997.3	177.62	18.5
21	GS(D)	256.00	09/22/2017	85	232.20	238.9	23.92	10.3
22	HD(D)	201.33	09/08/2017	95	160.79	170.4	40.54	25.2
23	IBM(D)	162.10	10/20/2017	65	162.58	151.2	-0.21	(0.1)
24	INTC	44.80	08/04/2017	120	36.77	41.0	8.05	21.9
25	JPM(D)	113.00	06/30/2017	145	92.75	99.3	20.26	21.8
26	MA(D)	166.50	08/05/2016	380	97.04	143.9	69.79	71.9
27	MCD(D)	176.10	11/18/2016	305	120.34	164.4	55.78	46.4
28	MS(D)	57.28	09/22/2017	85	48.59	49.2	8.87	18.3
29	MSFT	89.98	07/22/2016	390	56.94	80.2	33.06	58.1
30	NFLX	220.40	12/02/2016	295	121.08	183.8	99.38	82.1
31	NVDA	229.88	05/12/2017	180	130.53	184.4	99.58	76.3
32	ORCL(D)	50.52	01/19/2018	0	50.78	49.6	-0.20	(0.4)
33	QQQ	166.45	01/06/2017	270	122.35	150.5	43.99	36.0
34	SPY(D)	280.20	11/11/2016	310	218.41	257.8	61.98	28.4
35	TSLA	350.02	01/19/2018	0	352.40	340.0	-2.38	(0.7)
36	V(D)	122.70	01/06/2017	270	82.59	108.0	40.11	48.6
37	VRSN	114.48	10/28/2016	320	87.08	107.4	27.40	31.5
38	WMT(D)	104.59	02/24/2017	235	72.90	89.8	31.69	43.5
39	WYNN	179.64	01/27/2017	255	104.15	149.3	75.49	72.5
40	XLK(D)	67.80	11/25/2016	300	48.17	61.5	19.63	40.8

Monty Algo. Performance (01/2/2018)

Long Term, NOT for Lease or Sale

	Symbol	Last	suri.Monty2					
			Trend	Days	Signal Date	Signal	TrailStop	PL%
1	NVDA	229.88	Bullish	1,725	04/30/2013	Long above 14	149.45	1,282.14
2	AVGO	266.39	Bullish	1,541	10/31/2013	Long above 48	231.84	435.21
3	ADBE	195.73	Bullish	2,151	02/29/2012	Long above 34	143.75	415.41
4	COST	192.29	Bullish	2,668	09/30/2010	Long above 47	157.58	296.00
5	AMZN	1,294.58	Bullish	1,085	01/30/2015	Long above 360	954.41	224.85
6	V(D)	122.62	Bullish	1,845	12/31/2012	Long above 39	97.85	192.36
7	NFLX	220.40	Bullish	1,085	01/30/2015	Long above 66	162.87	190.85
8	QQQ	166.48	Bullish	2,180	01/31/2012	Long above 61	140.05	155.34
9	FB	181.31	Bullish	1,057	02/27/2015	Long above 82	156.93	115.20
10	BABA(D)	184.05	Bullish	630	04/29/2016	Long above 82	143.66	110.28
11	BA(D)	338.00	Bullish	445	10/31/2016	Long above 147	218.37	100.62
12	MS(D)	57.50	Bullish	506	08/31/2016	Long above 33	44.66	59.00
13	JPM(D)	113.00	Bullish	506	08/31/2016	Long above 68	89.92	57.26
14	MSFT	89.98	Bullish	812	10/30/2015	Long above 55	72.08	55.53
15	GOOG	1,137.40	Bullish	903	07/31/2015	Long above 679	915.57	54.11
16	FDX(D)	274.32	Bullish	659	03/31/2016	Long above 165	206.16	51.24
17	ADSK	115.29	Bullish	506	08/31/2016	Long above 70	99.64	49.76
18	MA(D)	166.50	Bullish	476	09/30/2016	Long above 103	127.40	46.95
19	C(D)	78.12	Bullish	445	10/31/2016	Long above 51	65.58	45.90
20	WYNN	179.64	Bullish	294	03/31/2017	Long above 117	130.21	44.09
21	GS(D)	256.00	Bullish	445	10/31/2016	Long above 179	222.32	42.32
22	XLK(D)	67.80	Bullish	812	10/30/2015	Long above 45	56.65	42.11
23	MCD(D)	176.10	Bullish	353	01/31/2017	Long above 124	149.82	38.81
24	HD(D)	201.33	Bullish	385	12/30/2016	Long above 138	152.53	37.34
25	AXP(D)	98.00	Bullish	415	11/30/2016	Long above 74	84.23	34.20
26	VRSN	114.48	Bullish	325	02/28/2017	Long above 86	97.48	33.07
27	WMT(D)	104.59	Bullish	266	04/28/2017	Long above 76	78.09	29.93
28	SPY(D)	280.41	Bullish	598	05/31/2016	Long above 211	243.68	26.47
29	BIDU	255.90	Bullish	266	04/28/2017	Long above 189	205.55	23.92
30	TSLA	350.02	Neutral	353	01/31/2017	Long above 259	293.61	19.25
31	INTC	44.80	Bullish	112	09/29/2017	Long above 39	37.03	18.36
32	EBAY	38.43	Bullish	539	07/29/2016	Long above 32	33.79	17.94
33	ORCL(D)	50.52	Bullish	598	05/31/2016	Long above 41	46.14	15.32
34	CMG(D)	343.95	Bearish	172	07/31/2017	Short below 336	361.29	13.98
35	CVX(D)	131.13	Bullish	112	09/29/2017	Long above 119	109.10	5.20
36	BIIB	342.41	Bullish	141	08/31/2017	Long above 317	289.35	0.50
37	CELG	102.65	Bearish	80	10/31/2017	Short below 94	130.45	0.00
38	GLD(D)	126.42	Bullish	141	08/31/2017	Long above 126	118.03	-1.87
39	AMGN	188.82	Bullish	325	02/28/2017	Long above 179	166.01	-2.85
40	IBM(D)	162.10	Bearish	233	05/31/2017	Short below 149	159.58	-2.97
41								
42								
43								

Disclaimer: Education purposes only, not an advice. Charts: TradeStation 01/9/18 5:01 PM

Symbols Universe

Symbol Universe of Stocks/ETFs

Industry	#Stocks
Basic Materials	4
Capital Goods	7
Cons. Cyclicals	11
Non-Cyclicals	10
Energy	4
Financials	25
HealthCare	22
Technology	122
Transports	5

SURI200 Universe of Stocks/ETFs

s

Transports 2.4%

Technology 58.1%

Capital Goods 3.3%

Cons. Cyclicals 5.2%

Non-Cyclicals 4.8%

Financials 11.9%

HealthCare 10.5%

Symbols Universe

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

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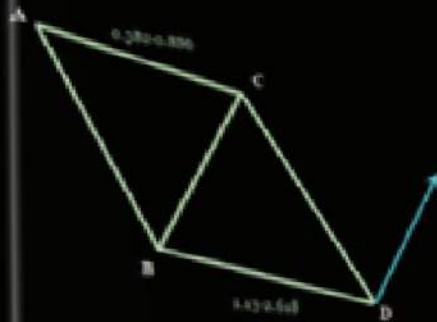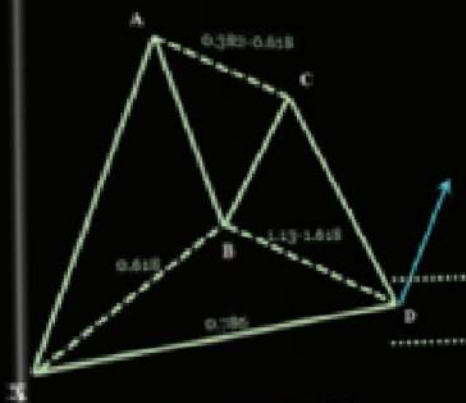
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