



Zimba Trading

Harmonic Patterns

Six harmonic price patterns

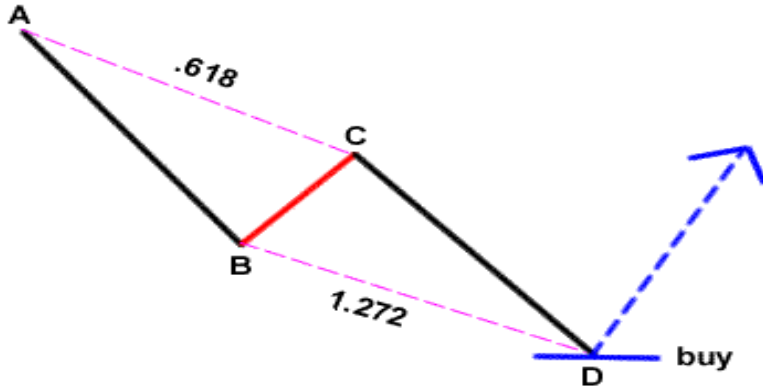
1. The ABCD Pattern
2. The Three-Drive Pattern
3. The Gartley Pattern
4. The Crab Pattern
5. The Bat Pattern
6. The Butterfly Pattern



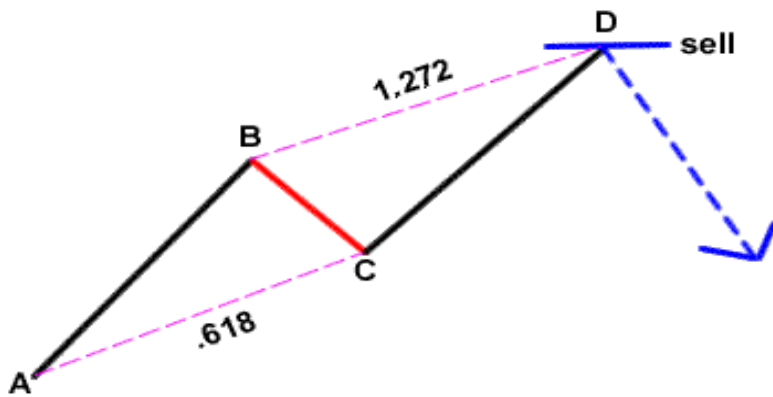
ABCD and Three drive patterns

The ABCD Pattern

Bullish ABCD

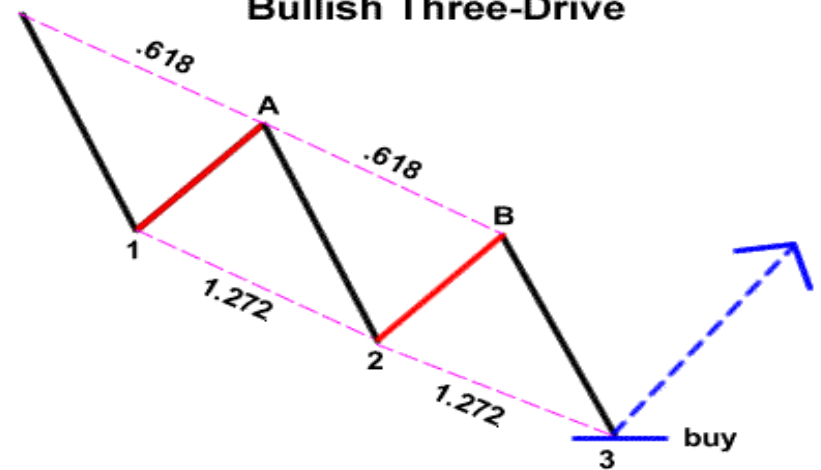


Bearish ABCD

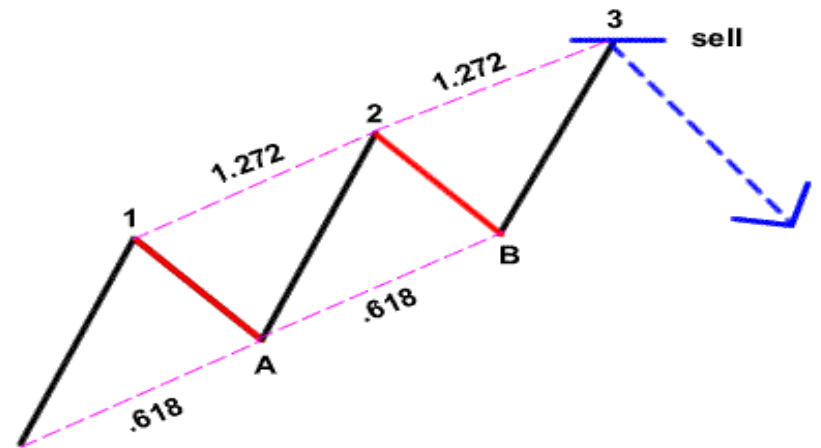


The Three-Drive Pattern

Bullish Three-Drive



Bearish Three-Drive



Trading The Gartley Pattern

- **Harold McKinley Gartley** had a stock market advisory service in the mid-1930s with a huge following.
- This service was one of the first to apply scientific and statistical methods to analyze the stock market behavior.
- According to **Harold McKinley Gartley**, he was finally able to solve two of the biggest problems of traders: **What and When to buy or sell**.
- Gartley are patterns that include the basic ABCD pattern we've already talked about, but are preceded by a significant high or low.
- Now, these patterns normally form when a correction of the overall trend is taking place and look like **'M'** (or **'W'** for bearish patterns).
- These patterns are used to help traders find good entry points to jump in on the overall trend.



Trading “The Gartley Pattern”

- A Gartley forms when the price action has been going on a recent uptrend (or downtrend) but has started to show signs of a correction.
- What makes the Gartley such a nice setup when it forms is the reversal points are a **Fibonacci retracement** and **Fibonacci extension** level. This gives a stronger indication that the asset may actually reverse.
- This pattern can be hard to spot and once you do, it can get confusing when you pop up all those Fibonacci tools. The key to avoiding all the confusion is to take things one step at a time.
- In any case, the pattern contains a bullish or bearish **ABCD pattern**, but is preceded by a point (X) that is beyond point D.



Advantages & Disadvantages of Harmonic Patterns

- **Advantages**

- Harmonic Patterns provide future price projections, stops in advance. This makes them leading indicators.
- Harmonic Patterns are frequent, repeatable, reliable and do produce high probable setups.
- The trading rules are relatively standardized (Credit: Scott Carney and Larry Pesavento) using Fibonacci ratios.
- Works well with defined Market Context, Symmetry, Measured Moves rules.
- Work in all timeframes and in all market instruments.
- Other indicator theories (CCI, RSI, MACD) can be used along with them.

- **Disadvantages**

- Harmonic patterns are complex and highly technical to understand and master them.
- Correct identification and automation (coding) of harmonic patterns is difficult.
- Conflicting Fibonacci retracements/projections make them difficult to identify reversal or projection zones.
- Complexity arises when opposing patterns form either from same swings or other swings/timeframes.
- The risk/reward factors from un-symmetric and low-ranked patterns are pretty low.



Fibonacci Retracement

- The first thing you should know about the Fibonacci tool is that it works best when the market is trending.
- The idea is to go long (or buy) on a retracement at a Fibonacci support level when the market is trending up, and to go short (or sell) on a retracement at a Fibonacci resistance level when the market is trending down.
- The Fibonacci retracement levels are; 23.6%, 38.2%, 50.0%, 61.8%, and 76.4%.

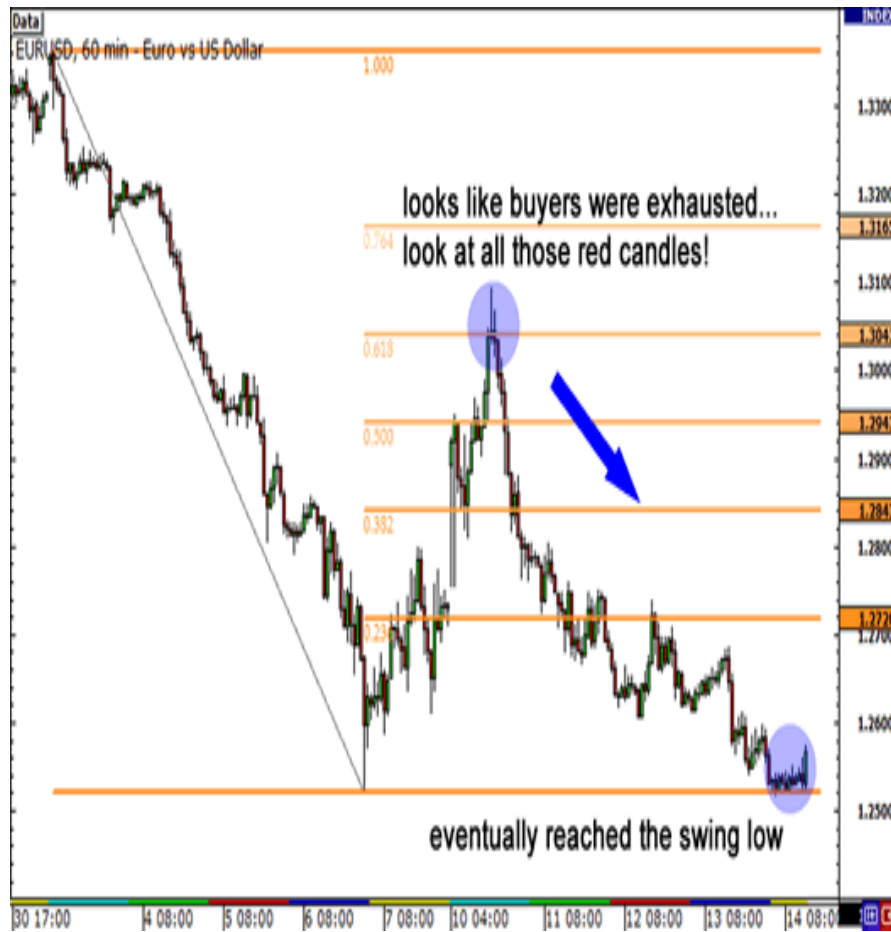


Fibonacci Extension

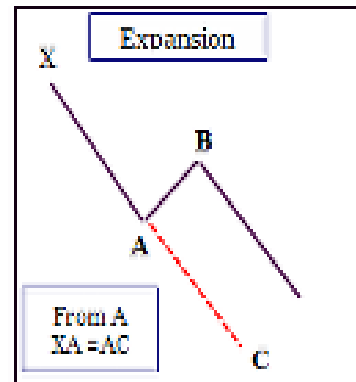
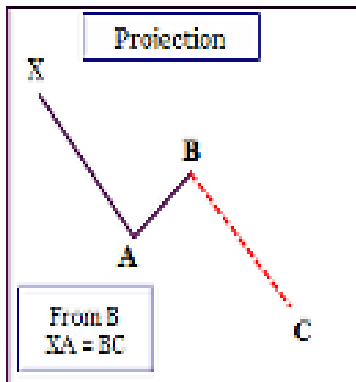
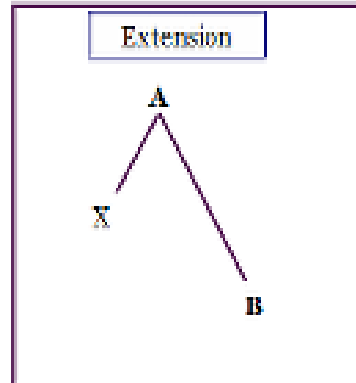
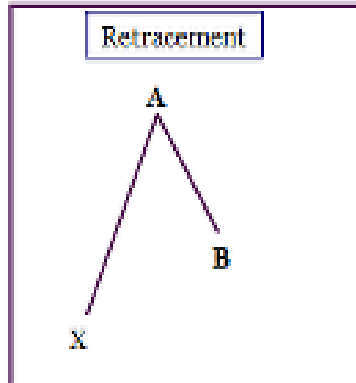
- The 50.0% Fib level held strongly as support and, after three tests, the pair finally resumed its uptrend. In the chart below, we could see price rise above the previous Swing High.
- Price rallied all the way to the 61.8% level, which lined up closely with the previous Swing High. It fell back to the 38.2% level, where it found support.
- Price then rallied and found resistance at the 100% level.
- A couple of days later, price rallied yet again before finding resistance at the 161.8% level. the 61.8%, 100% and 161.8% levels all would have been good places to take off some profits.



Fibonacci Extension



Types of Fibonacci



Types of Fibonacci

Retracement: From the swing XA, a Fibonacci ratio length is retraced to B.

Extension: From the swing XA, more than 100% of the swing XA is extended from A to B.

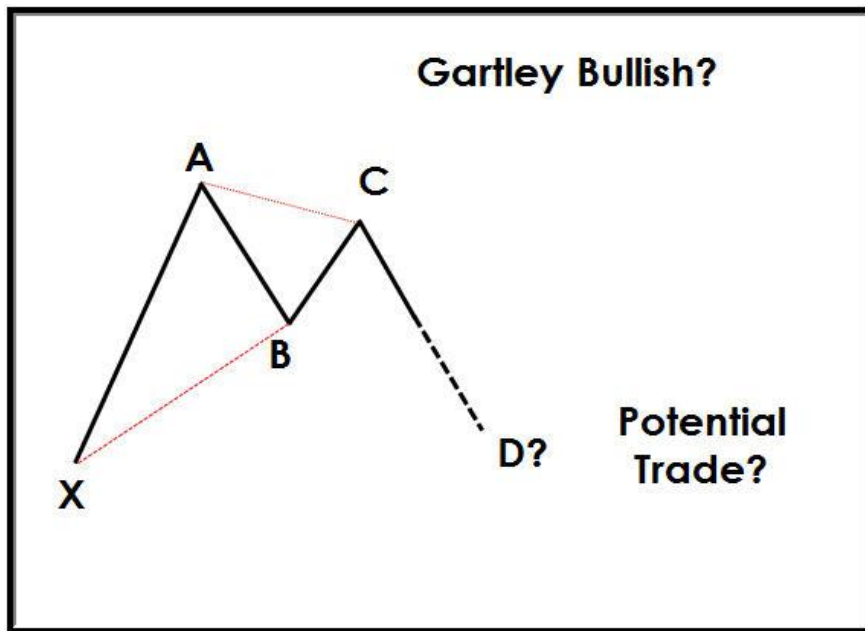
Projection: From the swing XA, a retracement is made to form the AB leg. From B, the swing XA is projected from B to C.

Expansion: From the swing XA, a retracement is made to B to form AB. A projection is plotted from A in the same direction and length of XA to C.



Trade Identification - $AB=CD$ & $XA=D(\text{Target})$

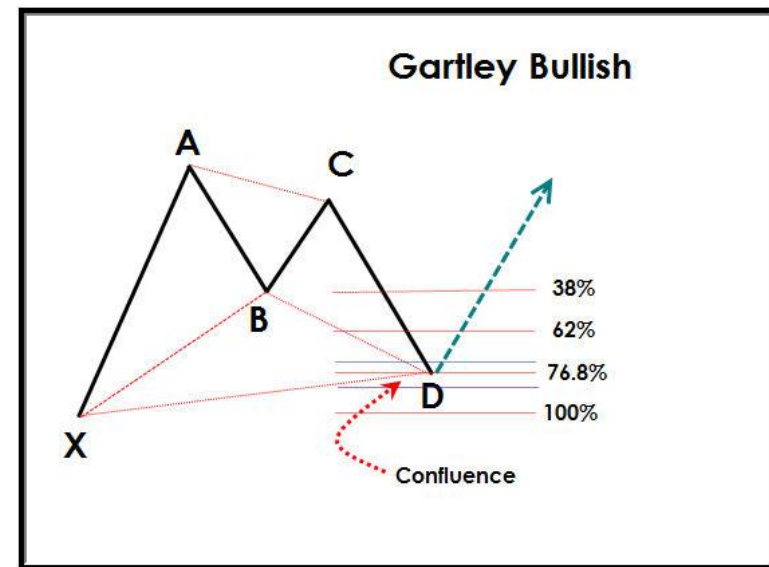
In harmonic pattern setups, a trade is identified when the first 3 legs are completed (in 5-point patterns). **For example, in Gartley Bullish pattern**, when XA , AB , BC legs are completed and it starts to form CD leg, you would identify the potential trade may be in works. Using the projections and retracements of XA , BC legs and Fibonacci ratios we build a price cluster to identify potential Price completion zone (PCZ) and D point of the pattern.



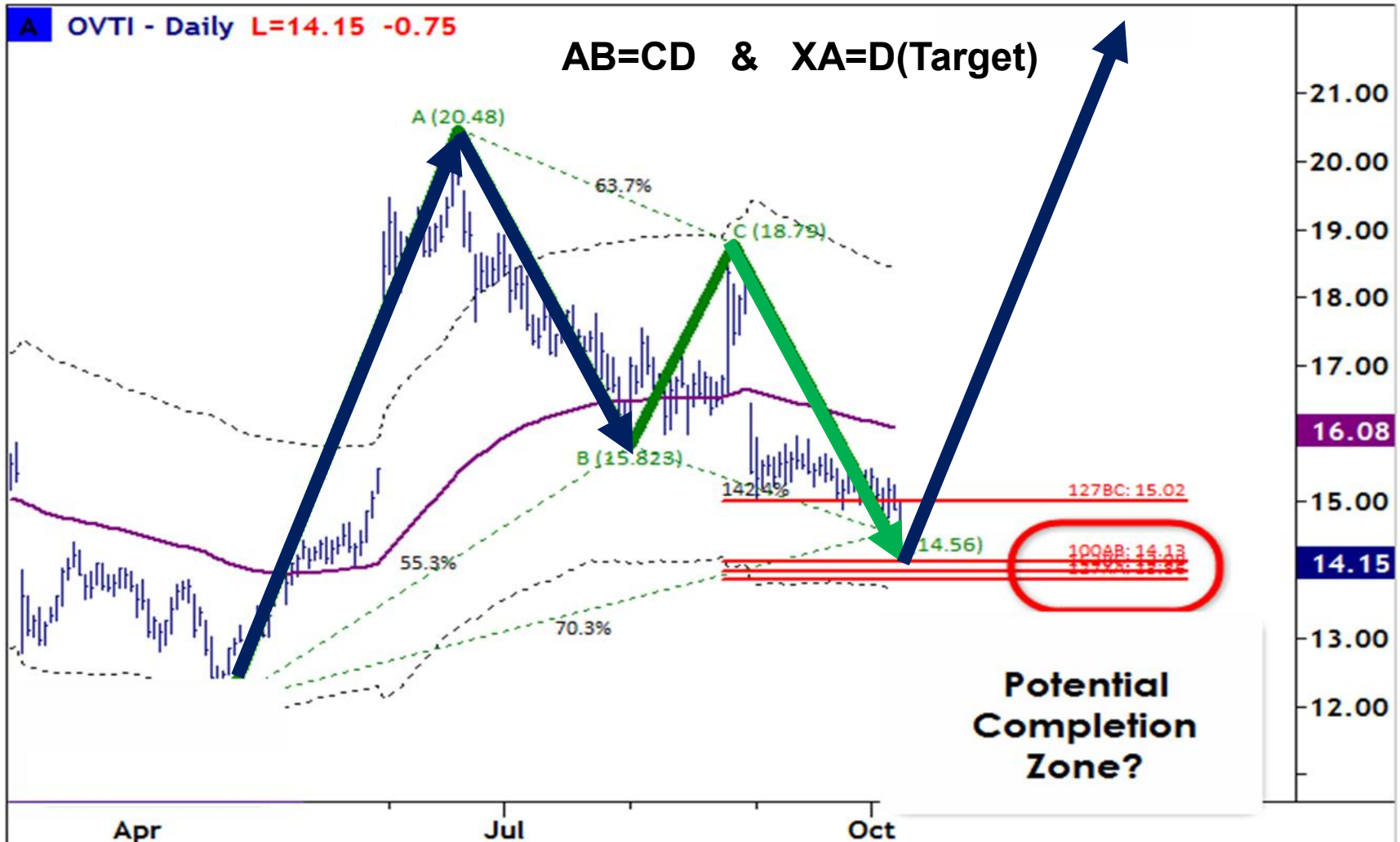
All Harmonic patterns have defined Pattern Completion Zones (PCZ). These PCZs are also known as price clusters formed by the completed swing (legs) confluence of Fibonacci extensions, retracements and price projections. Pattern supposed to complete its CD leg (also complete D) in this zone (PCZ) and reverse. Trades are anticipated in this zone and entered on price reversal action.

As an example, Pattern Completion Zone (PCZ) for Bullish Gartley pattern is constructed using following Fibonacci extensions and projections:

- 0.78 XA
- 1.27 BC
- 1.62 BC
- AB = CD**



Example of Potential Completion Zone (PCZ) formation

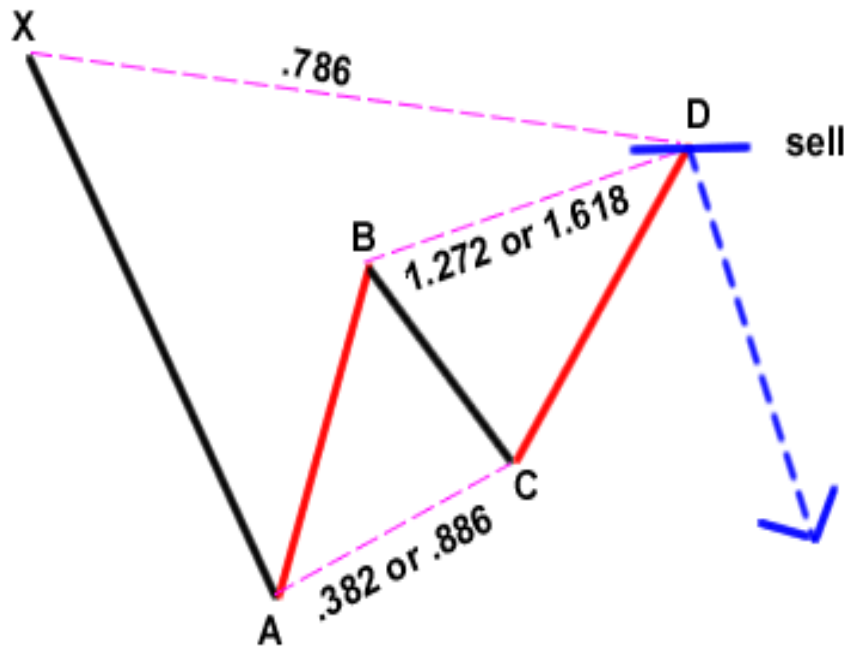


Trading The Gartley Pattern - $AB=CD$ & $XA=D(\text{Target})$

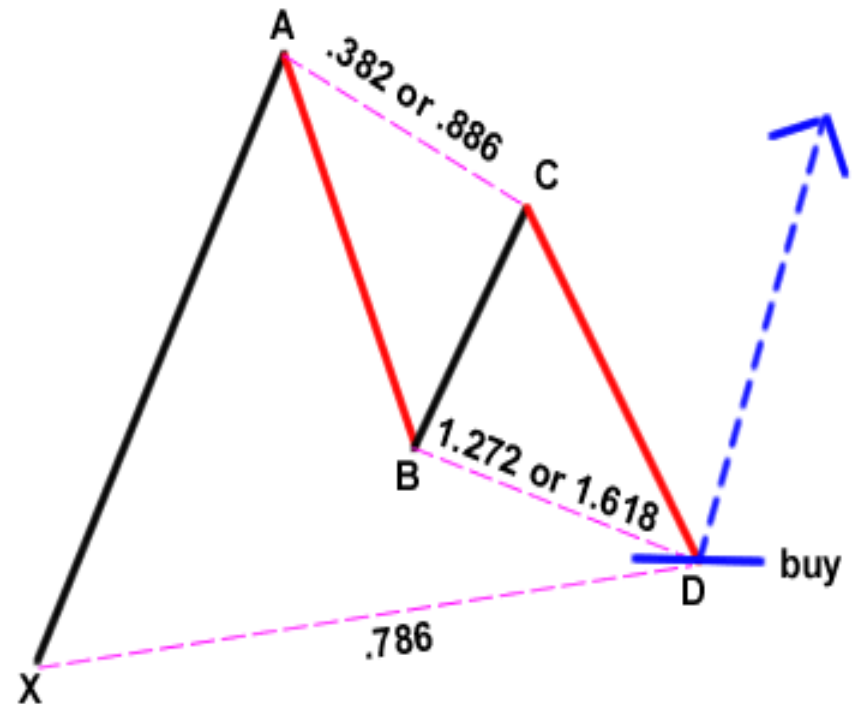
The “perfect” Gartley pattern has the following characteristics:

1. Move AB should be the .618 retracement of move XA.
2. Move BC should be either .382 or .886 retracement of move AB.
3. If the retracement of move BC is .382 of move AB, then CD should be 1.272 of move BC.
if the retracement of move BC is .886 of move AB, then CD should extend 1.618 of move BC.
4. Move CD should be .786 retracement of move XA

Bearish Gartley

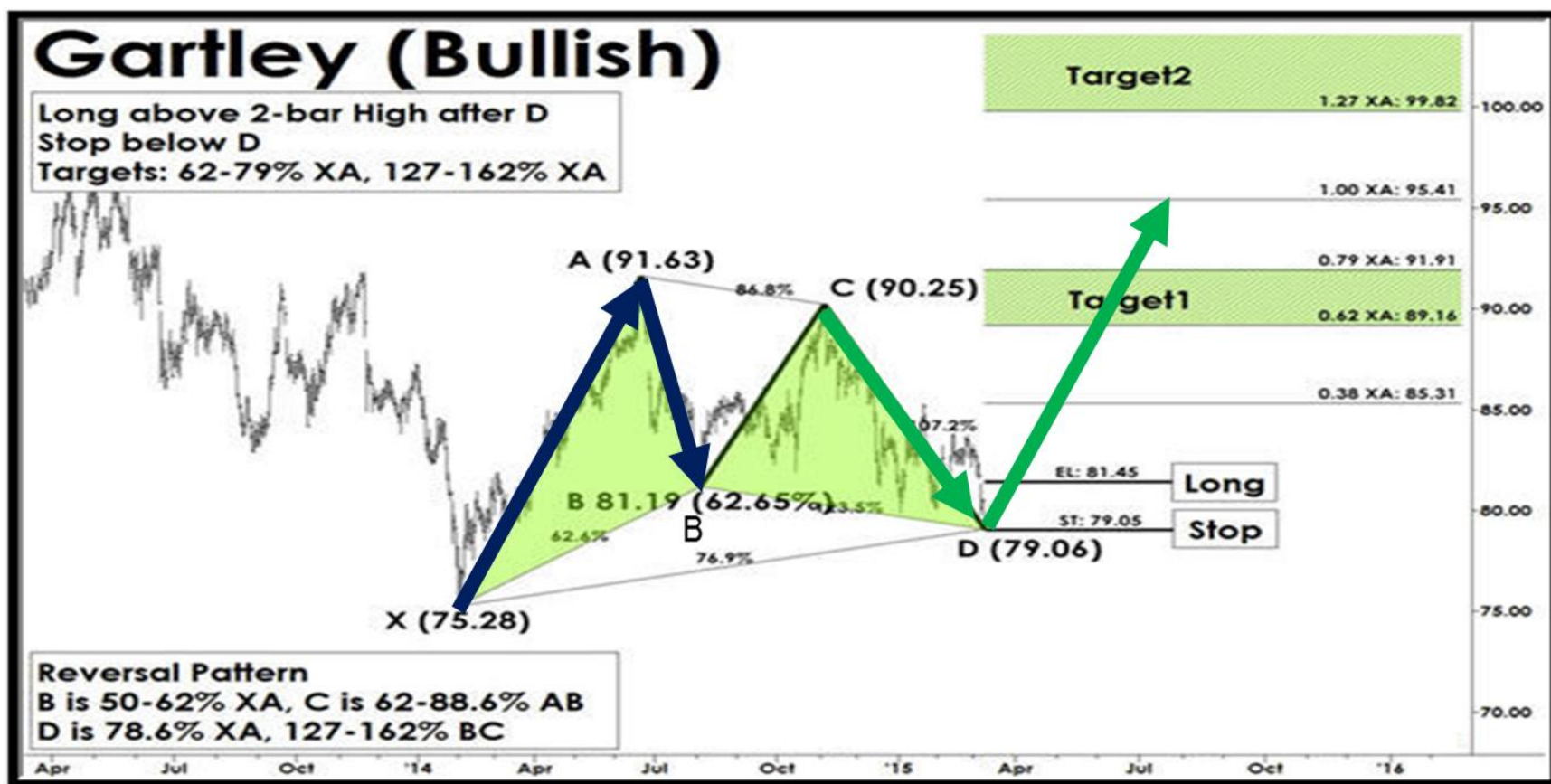


Bullish Gartley



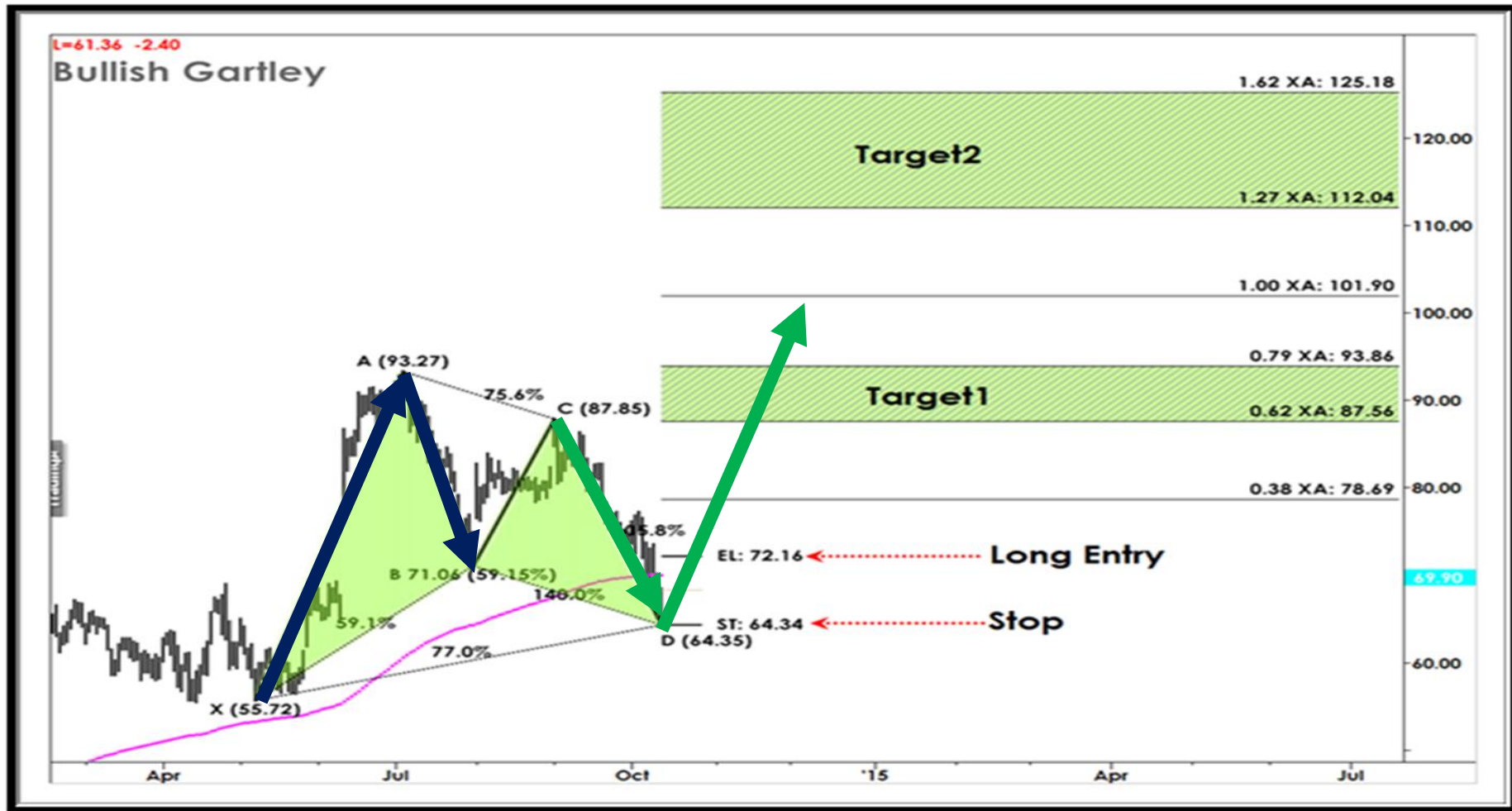
Examples of Harmonic Patterns: Gartley pattern

A 5-point pattern Gartley (Bullish) is shown below. These patterns resemble “M” or “W” patterns with 5 key pivot points define the harmonic pattern (Gartley). Gartley patterns built by 2 retracement legs and 2 impulse swings(legs) forming a 5-point pattern and all these swings are interrelated and associated with Fibonacci ratios. The center (eye) of the pattern is “B” defines the pattern and “D” is the action or trigger point where trades are taken. It shows trade entry (Long), stop and target levels from “D” level.



Examples of Harmonic Patterns: **Gartley patterns**

The following chart shows a Bullish Gartley Pattern, entry level, stops and target zones. The Target zones are projected using XA swing length and Fibonacci ratios from D. Ranges of 62%-79% is TargetZone1 and 127%-162% is TargetZone2.

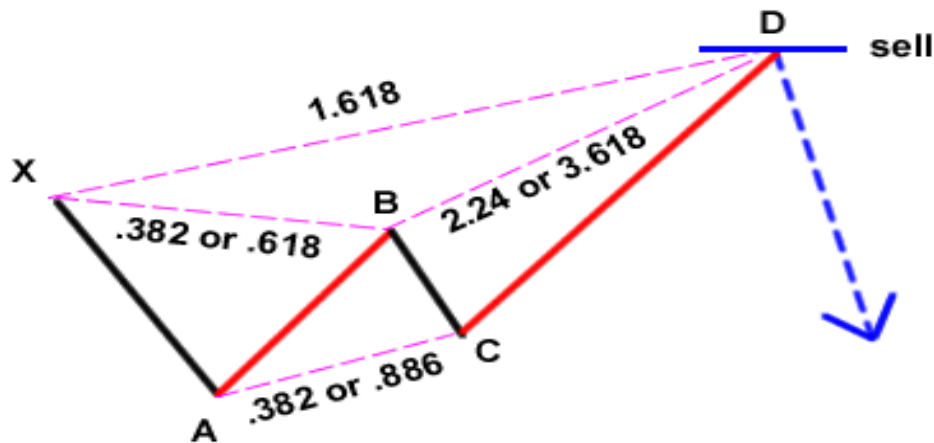


Trading The Gartley Pattern: **Crab pattern**

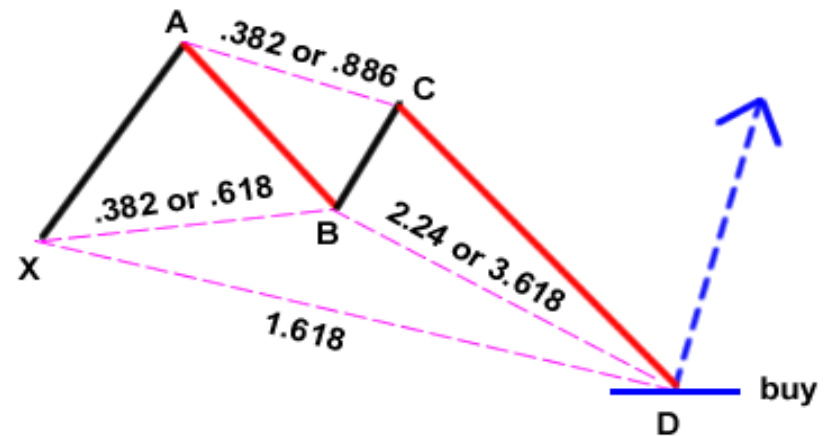
In 2000, Scott Carney, a firm believer in harmonic price patterns, discovered the “**Crab**”. According to him, this is the most accurate among all the harmonic patterns because of how extreme the Potential Reversal Zone (sometimes called “price better reverse” point) from move XA. This pattern has a high reward-to-risk ratio because you can put a very tight stop loss. The “perfect” crab pattern must have the following aspects:

1. Move AB should be the .382 or .618 retracement of move XA.
2. Move BC can be either .382 or .886 retracement of move AB.
3. If the retracement of move BC is .382 of move AB, then CD should be 2.24 of move BC.
if the retracement of move BC is .886 of move AB, then CD should be 3.618 extension of move BC.
4. CD should be 1.618 extension of move XA.

Bearish Crab

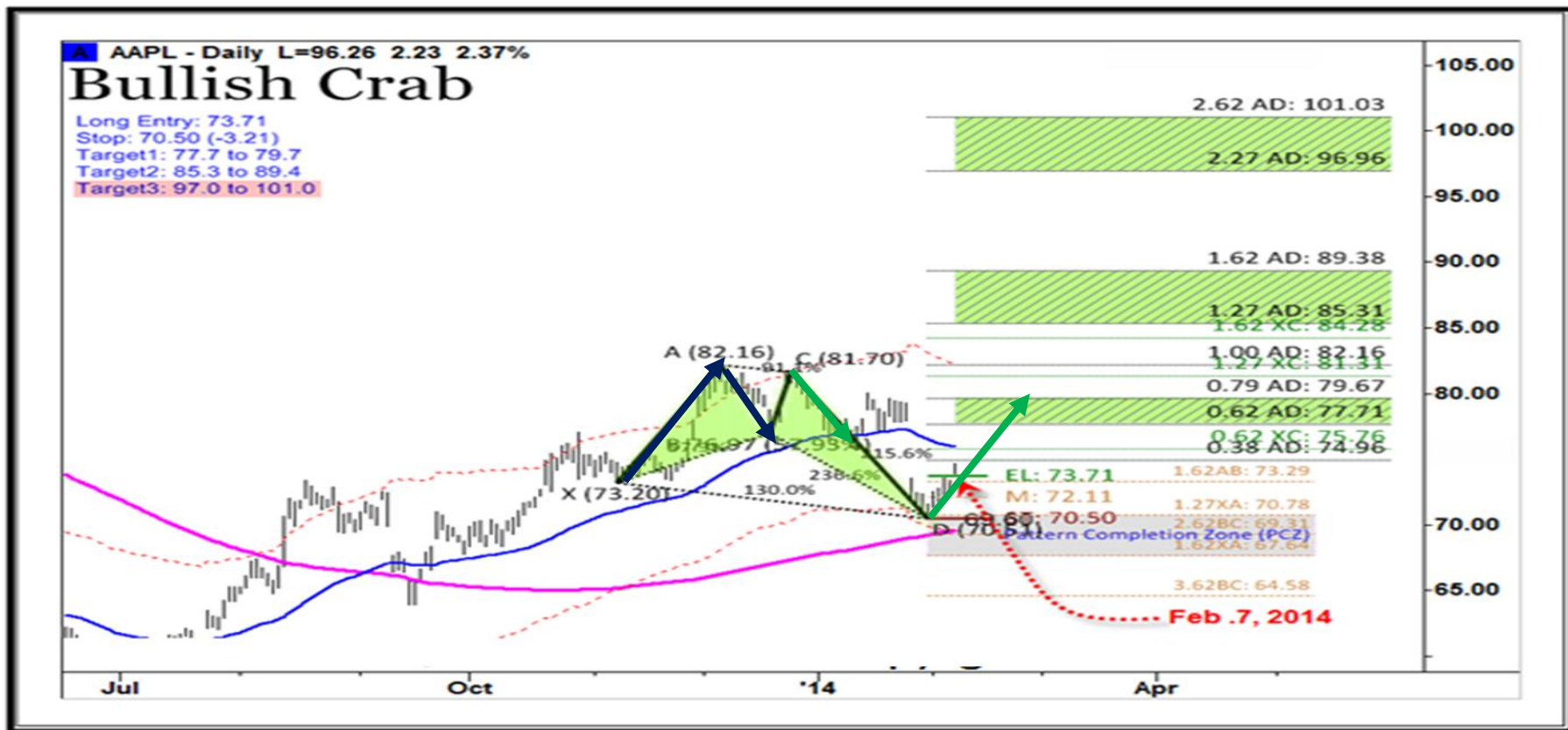


Bullish Crab



Examples of Harmonic Patterns : Crab pattern

The following example shows how Market Context is used with pattern analysis. This example shows AAPL (date: Feb. 07, 2014) formed a Bullish Crab pattern above 200-SMA and outside the Fib. Bands (A, C points) and D point is formed near lower Fib. Bands with Crab pattern. Also, notice the pattern traded below mid-Fib. Band level and trading near lower Fib. Band to signal a potential exhaustion setup. After completing Bullish Crab setup, price traded above the EL to signal a Long entry to the setup. The overall trend of APPL is also Bullish as price slope is positive above 200-SMA. On Feb. 07, 2014, a Long bullish trade is entered above 73.71 with a Stop below 70.50 (-3.21). Target levels are 77.7 to 79.7 for the Target Zone1, 85.3 -89.4 for Target Zone2.



Examples of Harmonic Patterns : Crab patterns

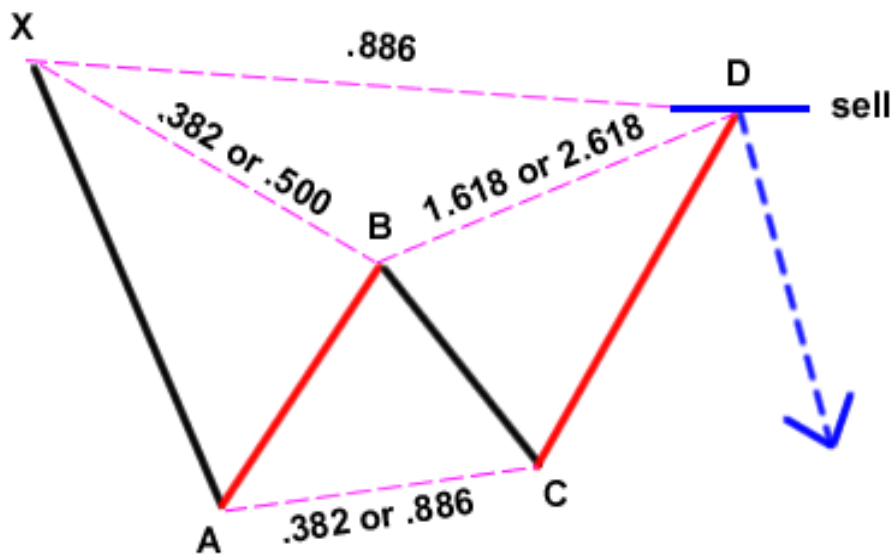


Trading The Gartley Pattern: **Bat pattern**

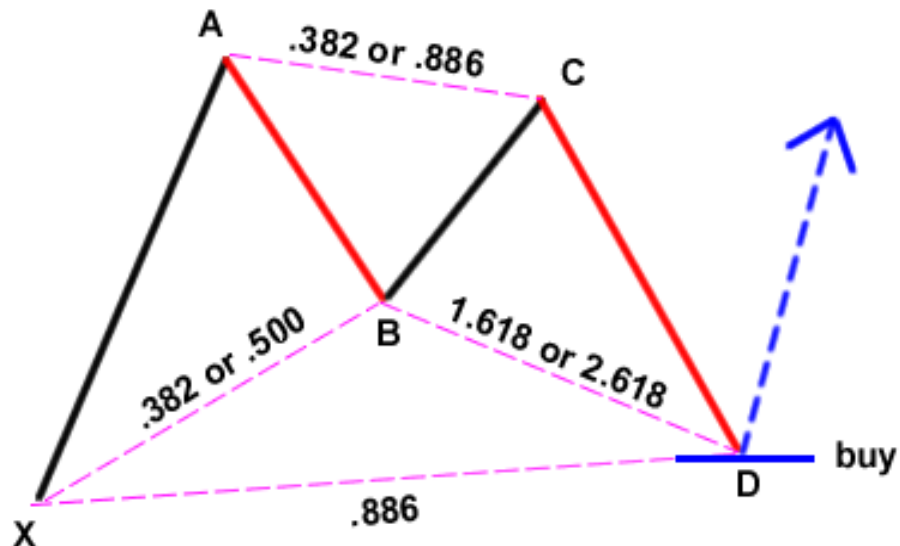
Come 2001, Scott Carney founded another Harmonic Price Pattern called the "**Bat pattern**". The Bat is defined by the .886 retracement of move XA as Potential Reversal Zone. The Bat pattern has the following qualities:

1. Move AB should be the .382 or .500 retracement of move XA.
2. Move BC can be either .382 or .886 retracement of move AB.
3. If the retracement of move BC is .382 of move AB, then CD should be 1.618 extension of move BC.
if the retracement of move BC is .886 of move AB, then CD should be 2.618 extension of move BC.
4. CD should be .886 retracement of move XA.

Bearish Bat



Bullish Bat



Examples of Harmonic Patterns: **Bat pattern**

ADSK - Daily L=60.67 1.60 2.71%

Bullish Bat

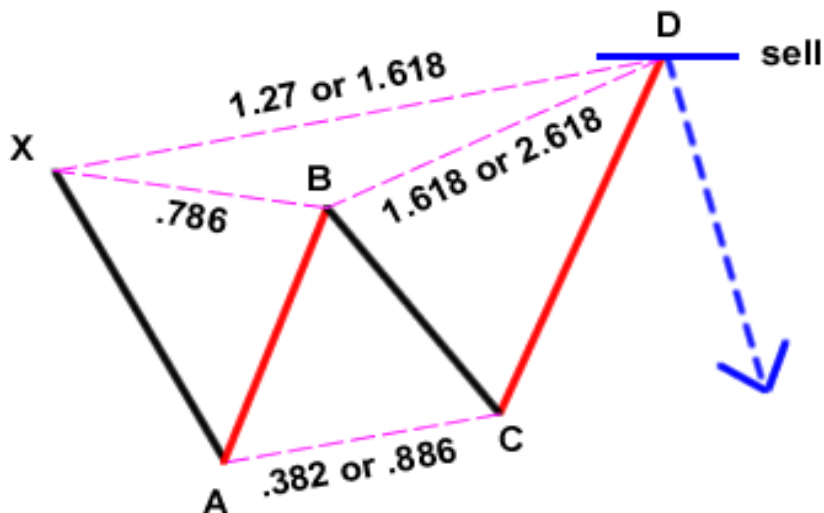


Trading The Gartley Pattern: **Butterfly pattern**

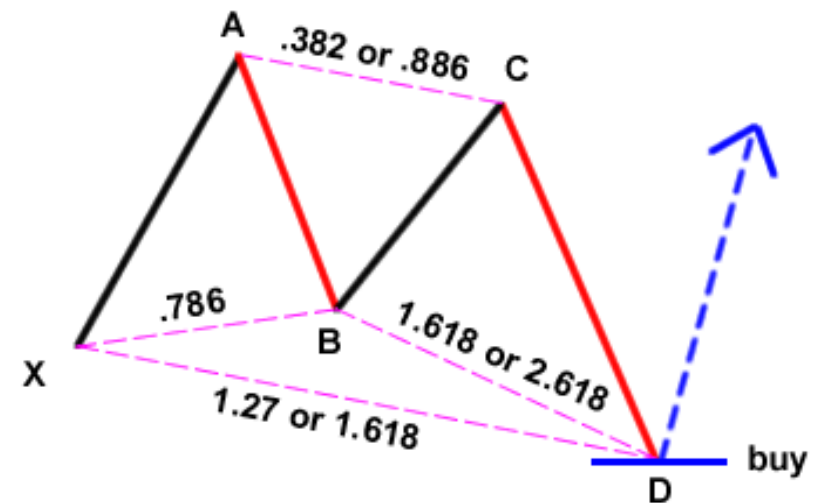
Created by Bryce Gilmore, the perfect “**Butterfly pattern**” is defined by the .786 retracement of move AB with respect to move XA. The Butterfly contains these specific characteristics:

1. Move AB should be the .786 retracement of move XA.
2. Move BC can be either .382 or .886 retracement of move AB.
3. If the retracement of move BC is .382 of move AB, then CD should be 1.618 extension of move BC. if the retracement of move BC is .886 of move AB, then CD should extend 2.618 of move BC.
4. CD should be 1.27 or 1.618 extension of move XA.

Bearish Butterfly



Bullish Butterfly

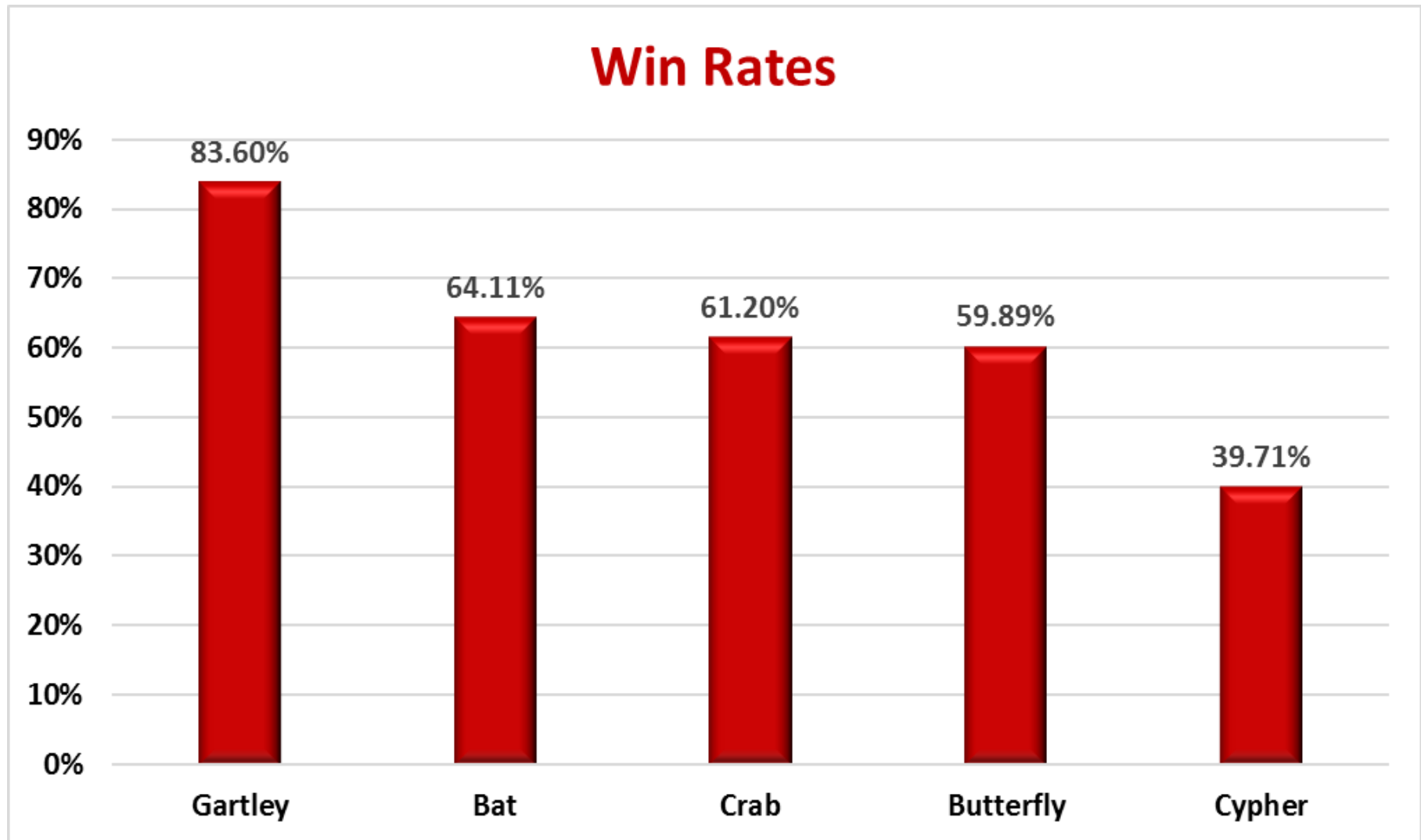


Examples of Harmonic Patterns : Butterfly patterns

The following chart shows another 5-point Harmonic pattern (Butterfly Bearish). This pattern is similar to the above 5-point Gartley pattern, but in reverse. Here the pattern is “W” shaped with “B” being the center (eye) of the pattern. It shows trade entry, stop and target levels from “D” levels using “XA” leg.



Harmonic Pattern Study over 1 Million Patterns



3 Steps to Trading Harmonic Price Patterns

Step 1: Locate a potential Harmonic Price Pattern



Step 2: Measure the potential Harmonic Price Pattern



Step 3: Buy or sell on the completion of the Harmonic Price Pattern



What Is a Harmonic Pattern?

- *Harmonic patterns are defined by specific price structures quantified by Fibonacci calculations. Essentially, these patterns are price structures that contain combinations of distinct and consecutive Fibonacci retracements and projections. By calculating the various Fibonacci aspects of a specific price structure, harmonic patterns can indicate a specific area to examine for potential turning points in price action.*



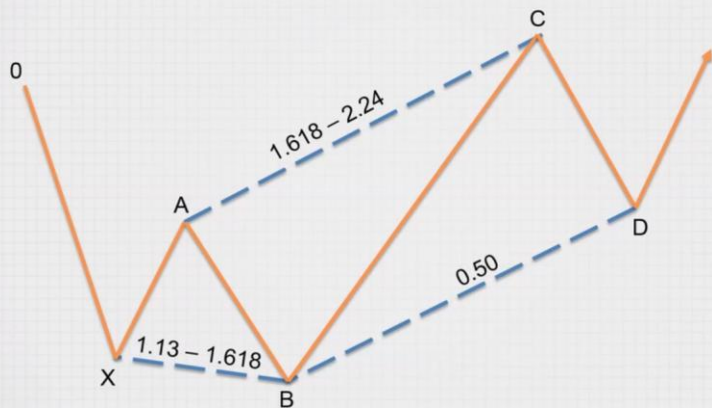
Harmonic Trading versus basic Elliott Wave Analysis

- The price point alignment of harmonic patterns is essential.
- Each pattern must possess an exact alignment that must not be violated.
- The most significant point in all harmonic patterns is the **mid-point (B)**.
- Unlike Elliot Wave number counts, Harmonic Trading denotes each point with letters, marking each price move as XA, AB, BC, CD.

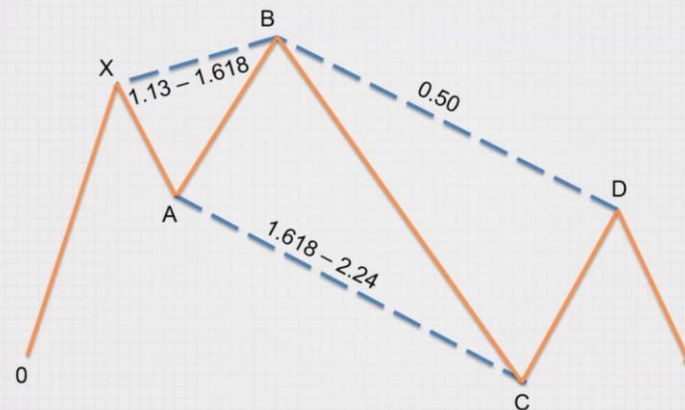


5-0 Pattern

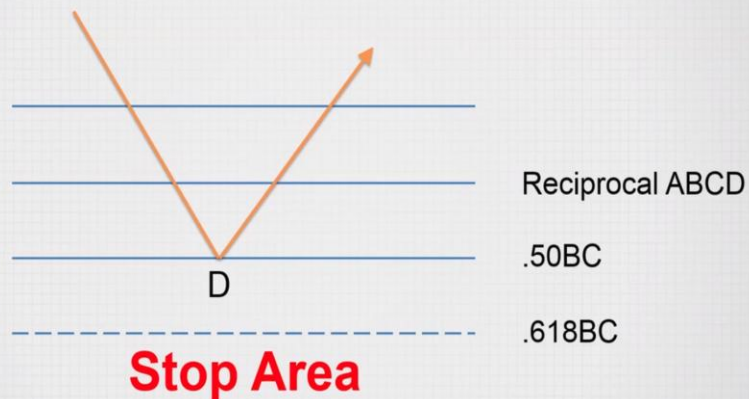
Bullish 5-0 Pattern



Bearish 5-0 Pattern



Entry/Exit Rules (PRZ)



Key Points

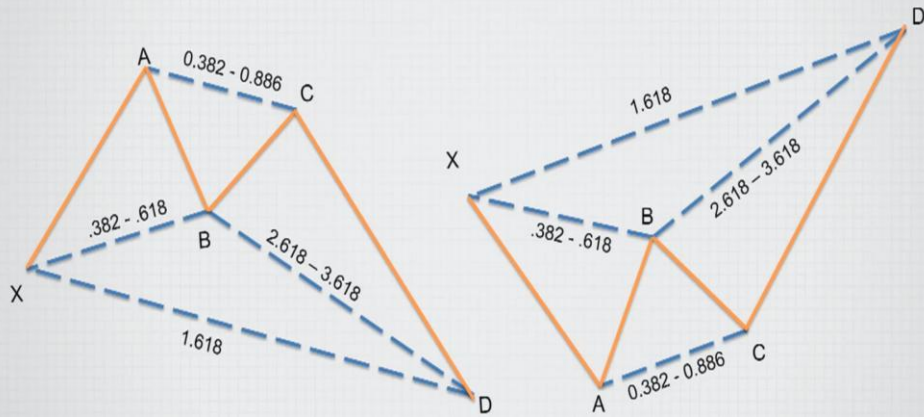
The 5-0 pattern utilizes the 50% BC retracement as the defining limit in the set up.

A Reciprocal $AB=CD$ pattern is typically a shorter counter move of equal length within a longer trend. They look like a lazy "Z" or "S."

The BC leg is the longest price length of the structure and must be at least a 1.618 extension of the AB length but it must not exceed 2.24.



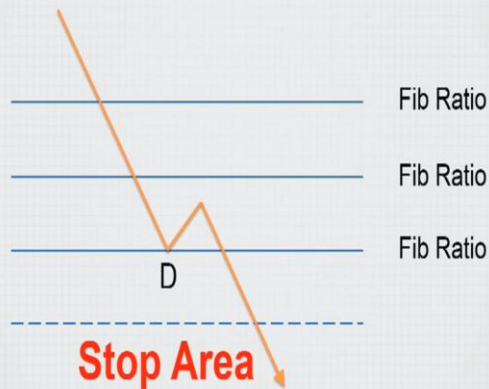
Harmonic Pattern



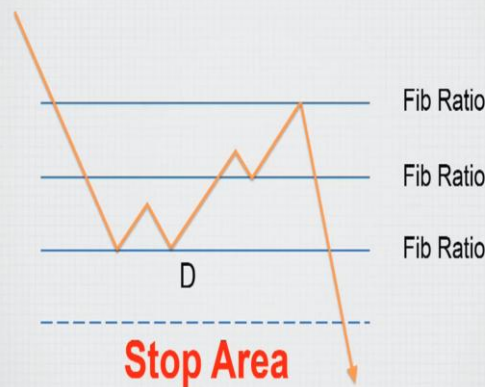
Potential Reversal Zone (PRZ)



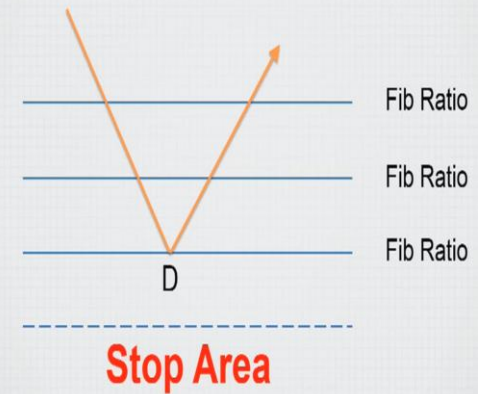
Stop Loss (PRZ)



Consolidation (PRZ)

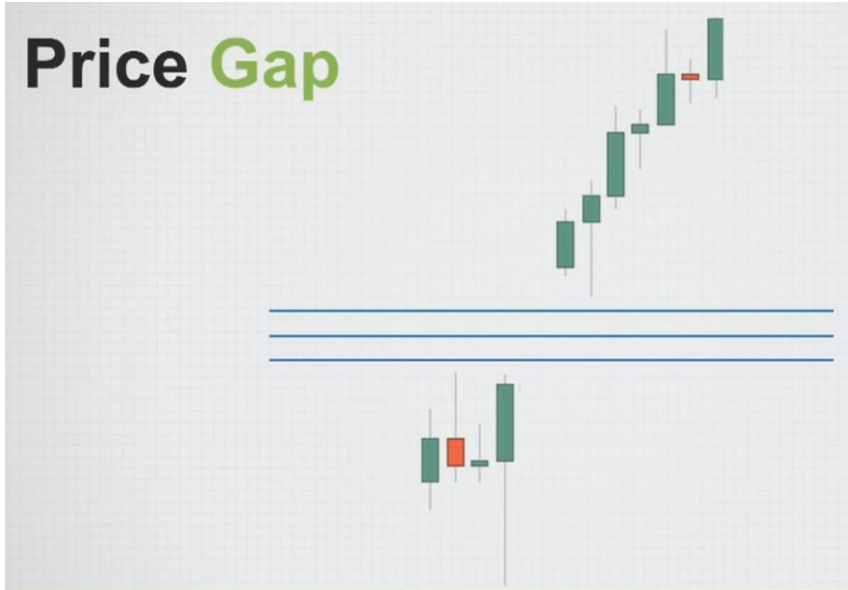


Profitable Scenario (PRZ)



Do not trade on these conditions

Price Gap



Price Expansion

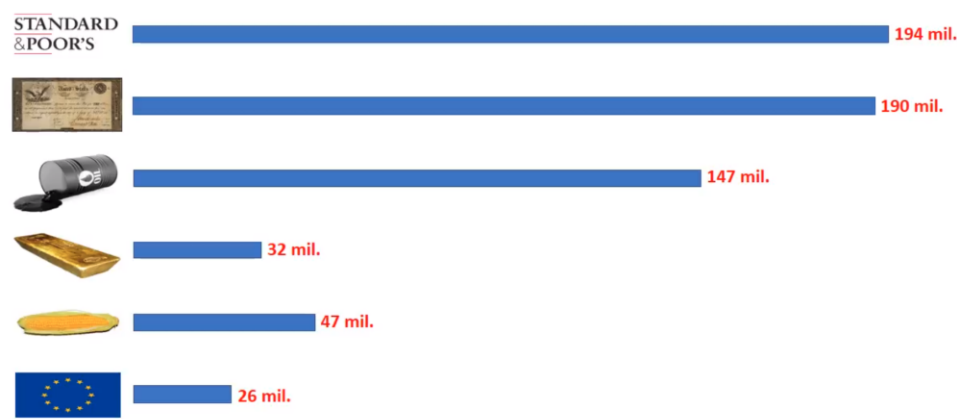


Two Primary Market Characteristics

Volume – First Half 2017

1. Volume / Liquidity

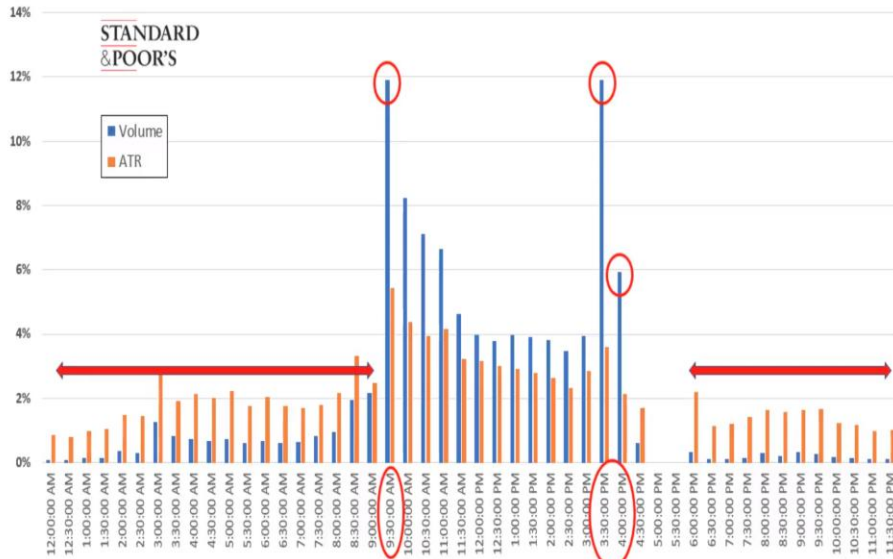
2. Volatility / Risk



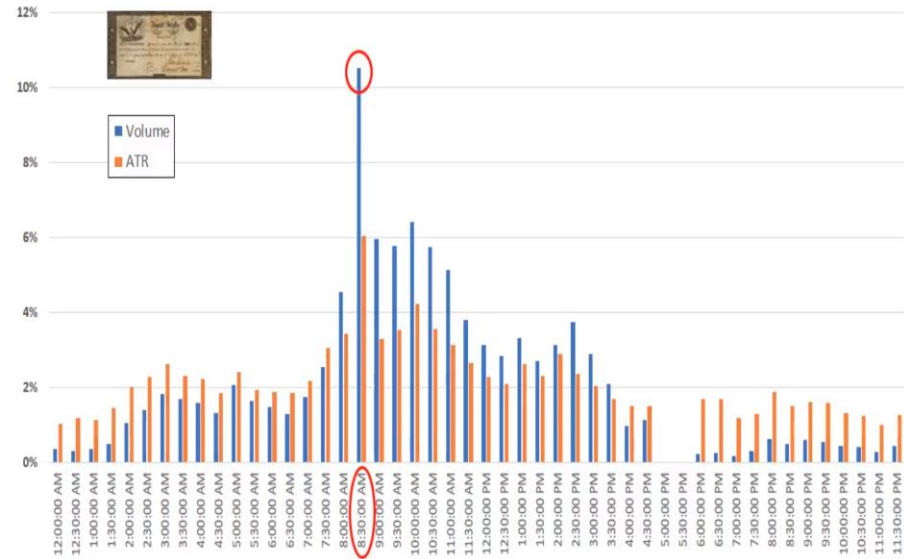
Volatility Adjusted for Price – July 2017

Market	ATR	Mult	\$ Per Point	Risk / Reward
Mini S&P	16.1095	X	\$50	\$805
10 Yr. Treas.	0.49537	X	\$1,000	\$495
Crude Oil	1.26204	X	\$1,000	\$1,262
Gold	13.1432	X	\$100	\$1,314
Corn	0.06931	X	\$5,000	\$347
Euro	0.00760	X	\$125,000	\$950

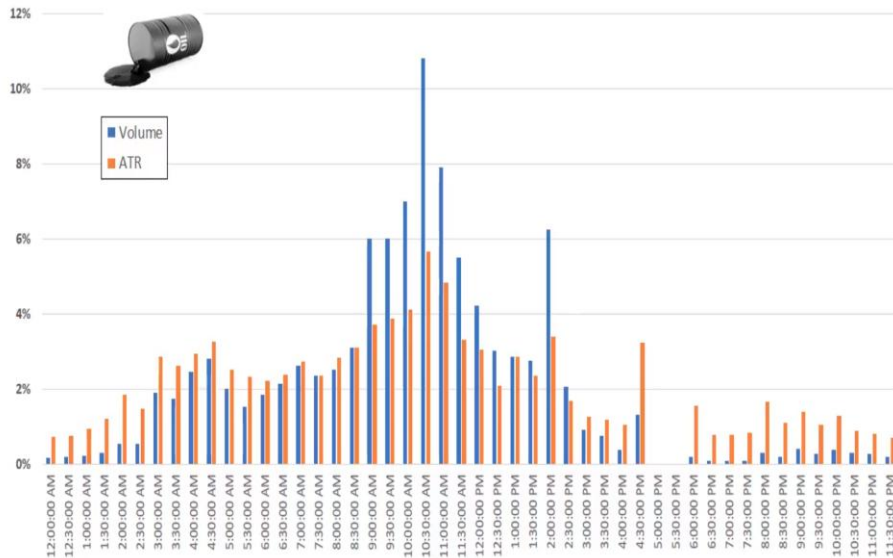
E-Mini S&P – July 2017 - 30 Minute (U.S. Eastern Time)



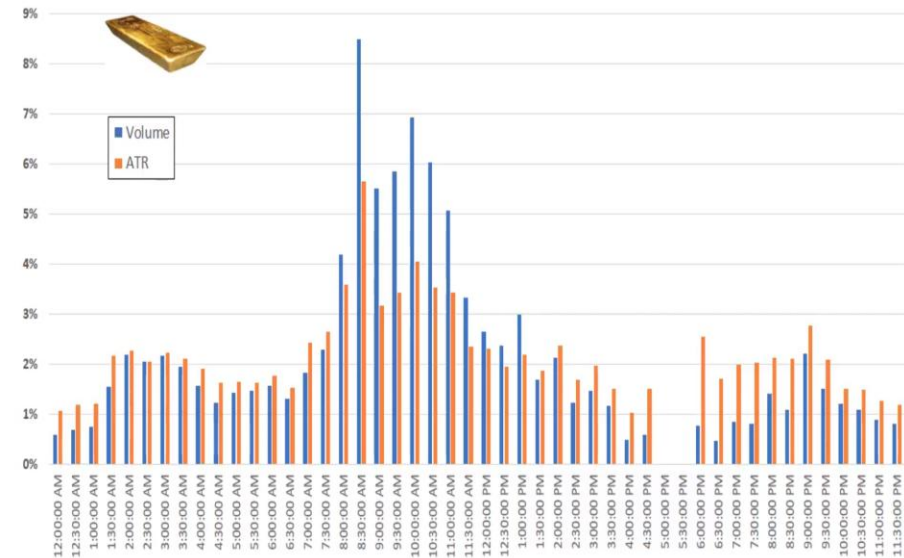
U.S. 10 Yr. Note - July 2017 - 30 Min. (U.S. Eastern Time)



Crude Oil - July 2017 - 30 Minute (U.S. Eastern Time)



Gold - July 2017 - 30 Minute (U.S. Eastern Time)



Compute Profit Targets



The Bearish Bat Pattern

A B point that is less than a 0.618 retracement, preferably a 0.50 or 0.382 of the XA leg, defines the Bearish Bat pattern (see Figure 5.12). Bearish Bat patterns are excellent 5-point corrective structures that frequently form after retracing a critical high point. In addition, these structures are excellent trading opportunities when they form at distinct levels of resistance.

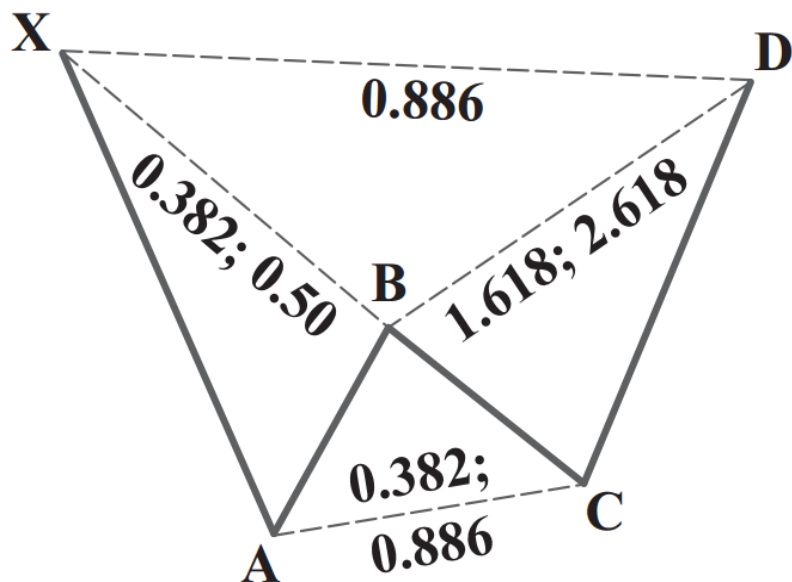
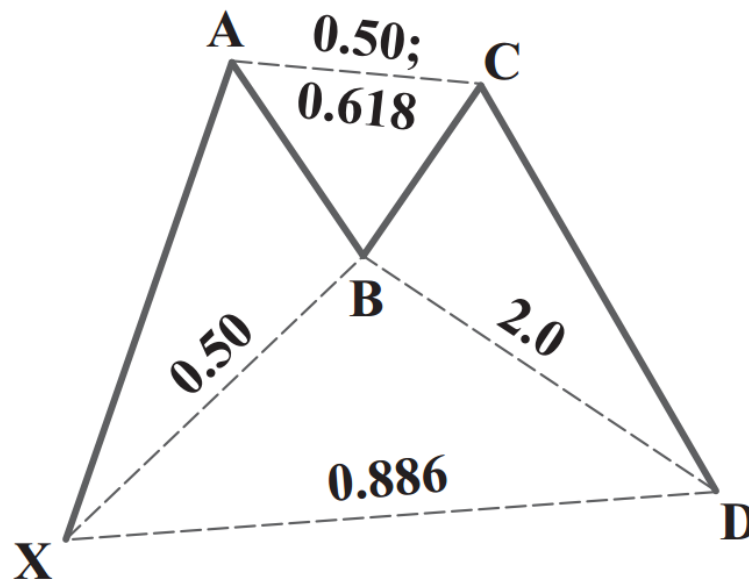


Figure 5.12

The Perfect Bullish Bat

The perfect Bullish Bat pattern is primarily defined by a precise 50% retracement at the B point (see Figure 5.20). The PRZ must possess an 0.886 retracement as the defining limit, and this area should be complemented by a 2.0 BC projection with an Alternate 1.27 AB=CD pattern. It is important to point out that the "0.50; 0.618" Fibonacci retracement range for the C point is the only "discretionary alignment" permitted. This C point range is the most ideal retracement to establish a 2.0 BC projection.



Perfect Bat Pattern Requirements:

1. Mandatory 50% B point retracement of the XA leg.
2. Precise 0.886 D point retracement of the XA leg as the defining limit within the PRZ.
3. 2.0 BC projection.
4. Alternate 1.27 AB=CD pattern required.
5. C point should be in the 50–61.8% range.

The Perfect Bearish Bat

The perfect Bearish Bat pattern is primarily defined by an exact 0.50 retracement at the B point. The PRZ must possess an 0.886 retracement as the defining upper limit, and this area should be complemented by a 2.0 BC projection with an alternate 1.27 AB=CD pattern (see Figure 5.23).

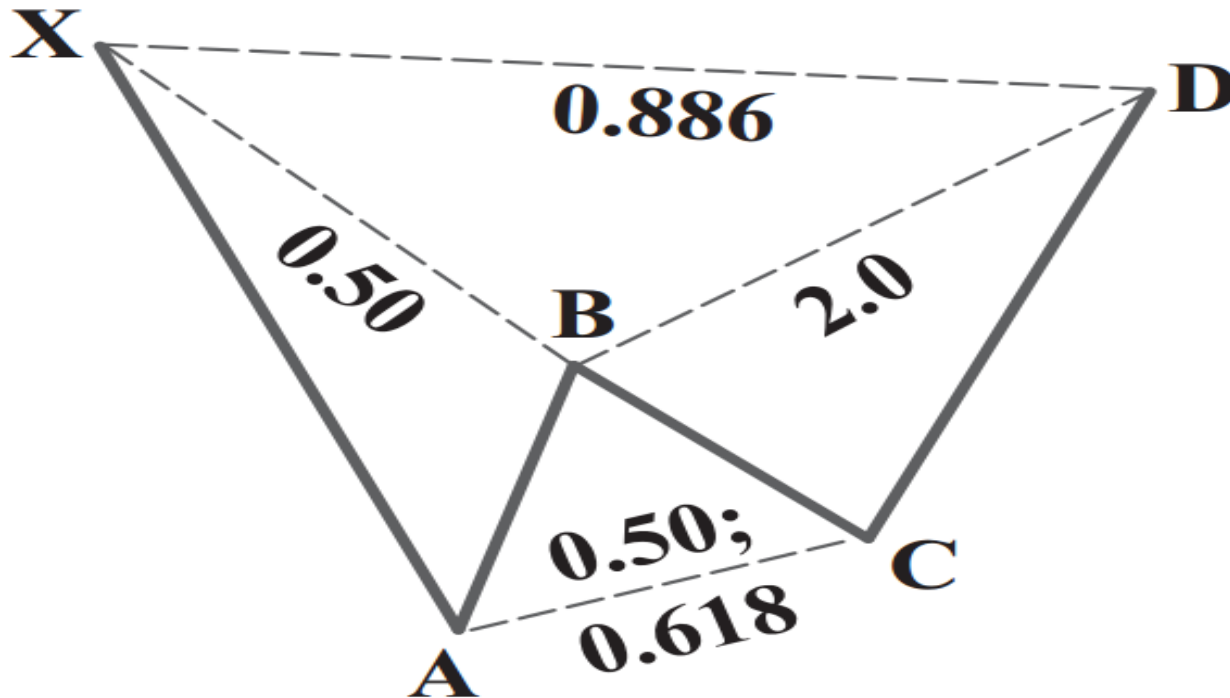


Figure 5.23

It is important to point out that the “0.50; 0.618” Fibonacci retracement range for the C point is the only “discretionary alignment” permitted. This C point range is the most ideal retracement to establish a 2.0 BC projection.

The Bat Pattern Summary

The Bat pattern is a precise harmonic pattern that frequently yields exact and sharp reversals. The 0.886 retracement is a powerful completion point and the defining limit within the PRZ. Although a 0.50 or 0.382 retracement is preferred, any B point that is less than a 0.618 will define a valid Bat structure. The Bat pattern incorporates a minimum AB=CD completion to validate the structure, as well. However, an Alternate 1.27 AB=CD is most common and is a defining element in the Perfect Bat structure. Furthermore, the BC projection should complement the other numbers in the PRZ, and it must be at least a 1.618 extension.

- 1. B point retracement of the XA leg must be less than 0.618 with a 0.50 or 0.382 retracement preferred.**
- 2. Precise 0.886 D point retracement of the XA leg as the defining limit within the PRZ.**
- 3. Minimum 1.618 BC projection with extreme extensions (2.0–2.618) possible.**
- 4. Minimum AB=CD completion, although an Alternate 1.27 AB=CD is more common and preferred.**
- 5. C point retracement can vary between a 0.382 to an 0.886.**

The Bat pattern is probably the best harmonic pattern of them all! Bat structures represent powerful corrective signals that identify excellent trading opportunities that are retesting significant levels of support or resistance. The best structures typically are distinct and possess a precise alignment of Fibonacci ratios to validate the pattern.

The Bullish Gartley

A distinct $AB=CD$ and a 0.786 retracement define the Potential Reversal Zone (PRZ) in the Bullish Gartley (see Figure 6.1). However, these conditions are valid only with a 0.618 B point retracement of the XA leg.

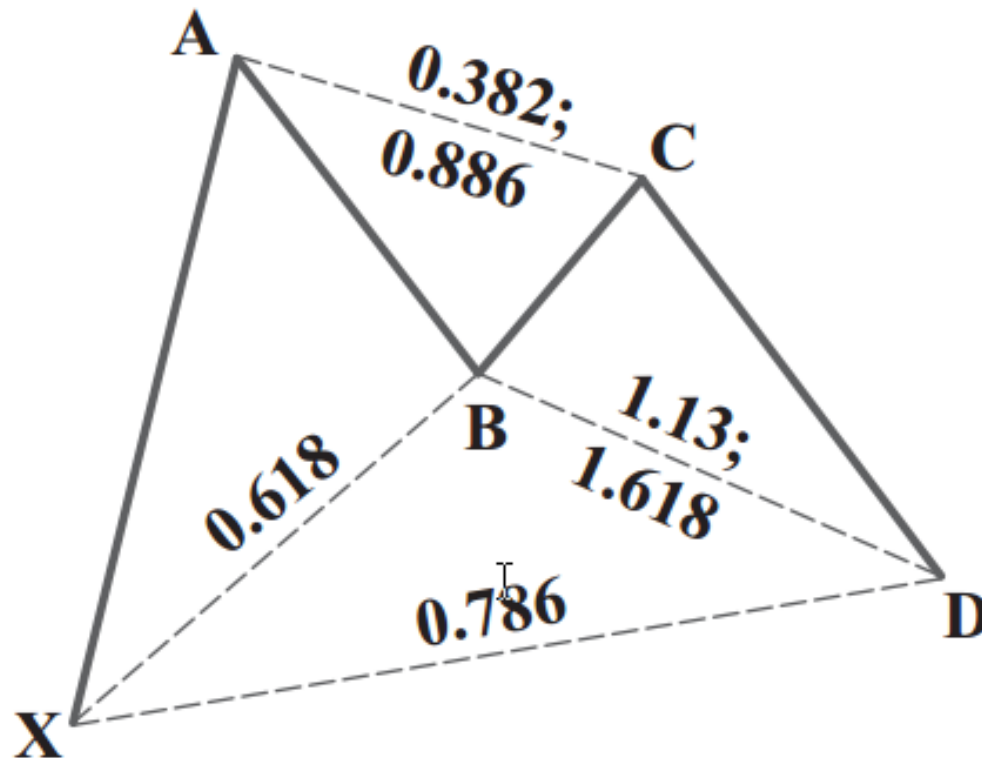


Figure 6.1

The BC projection should complement the other numbers in the PRZ, as a 1.13, 1.27, 1.41, or 1.618 extension should converge in the same area. It is important to note that the Gartley does not utilize any BC projection that is greater than a 1.618. Any BC projection that is greater than a 1.618 is usually found in Bat structures. Again, it is important to point out that the "0.382;0.886" Fibonacci retracement range for the C point can be any of the Harmonic Trading ratios that fall between these two constraints. Therefore, the C point can be 0.382, 0.50, 0.618, 0.707, 0.786, or 0.886.

The Bearish Gartley Pattern

The Bearish Gartley structure is principally identified by a 0.618 B point retracement of the XA leg (see Figure 6.8). The other elements of the pattern—the $AB=CD$, the BC projection, and the 0.786 retracement—should converge within close proximity of each other to define the PRZ.

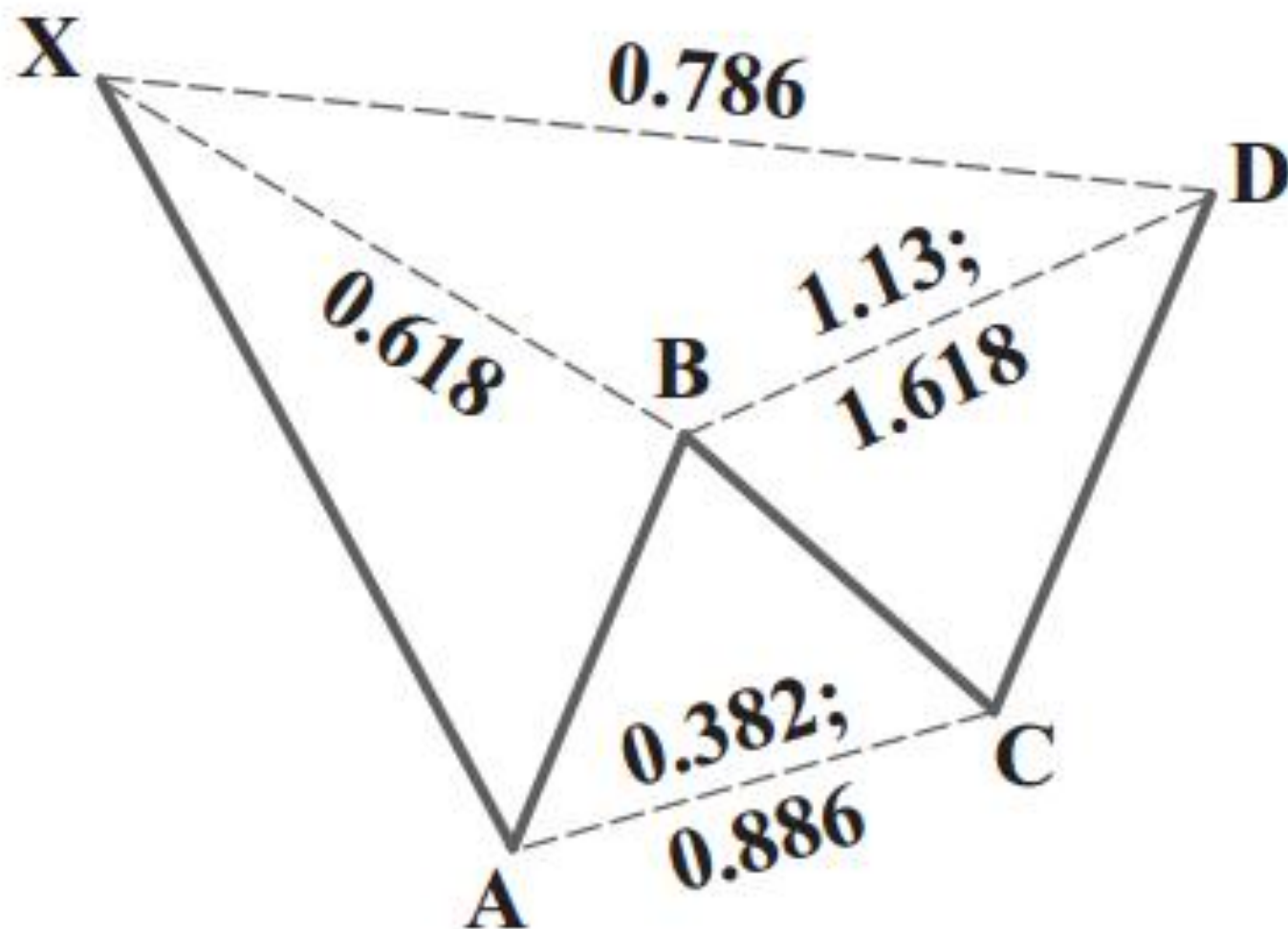


Figure 6.8

The Perfect Gartley

The Perfect Gartley should possess the following elements:

1. **Precise 0.618 B point retracement of the XA leg.**
2. **Precise 0.786 D point retracement of the XA leg in the PRZ.**
3. **Mandatory 1.618 BC projection.**
4. **Equivalent and Perfect AB=CD (0.618/1.618) with distinct symmetry and time duration for each leg.**
5. **C point at a 0.618 retracement.**

Although the *ideal* Gartley is well defined, a perfect Gartley utilizes the perfect AB=CD pattern (0.618/1.618) structure. The perfect AB=CD is primarily defined by the C point retracement that should be precisely 0.618 of the AB leg. The 0.618 C point retracement sets up the 1.618 BC projection. For obvious reasons, the 0.618 and 1.618 AB=CD pattern represent the most harmonic ratios that are directly derived from the Fibonacci sequence.

The perfect Gartley should entail an exact B point retracement. Although the ideal Gartley structure allows only a slight variation of the 0.618 B point retracement, a perfect Gartley should possess an almost exact retracement. Furthermore, the C point should be at a 0.618 retracement. Due to the perfect AB=CD required to validate this structure, the C point is another precise ratio that distinguishes the pattern. Another aspect of the perfect Gartley pattern is the general symmetry and time consideration of the structure, where each leg is exactly equivalent in duration.

The Perfect Bullish Gartley

The perfect Bullish Gartley pattern is primarily defined by an exact 0.618 retracement at the B point (see Figure 6.17). Although the ideal price action should test the entire range of the Potential Reversal Zone (PRZ), the minimum $AB=CD$ and the 0.786 XA leg still represent the most important numbers in the completion pattern. The structure should be distinct and possess ideal symmetry. In addition, the $AB=CD$ should be a perfect bullish structure with 0.618 and 1.618 ratios at the respective points. The combination of these elements define a remarkably ideal setup with a particularly critical PRZ. Although these structures are rare, they represent the best alignment of all the Gartley variations.

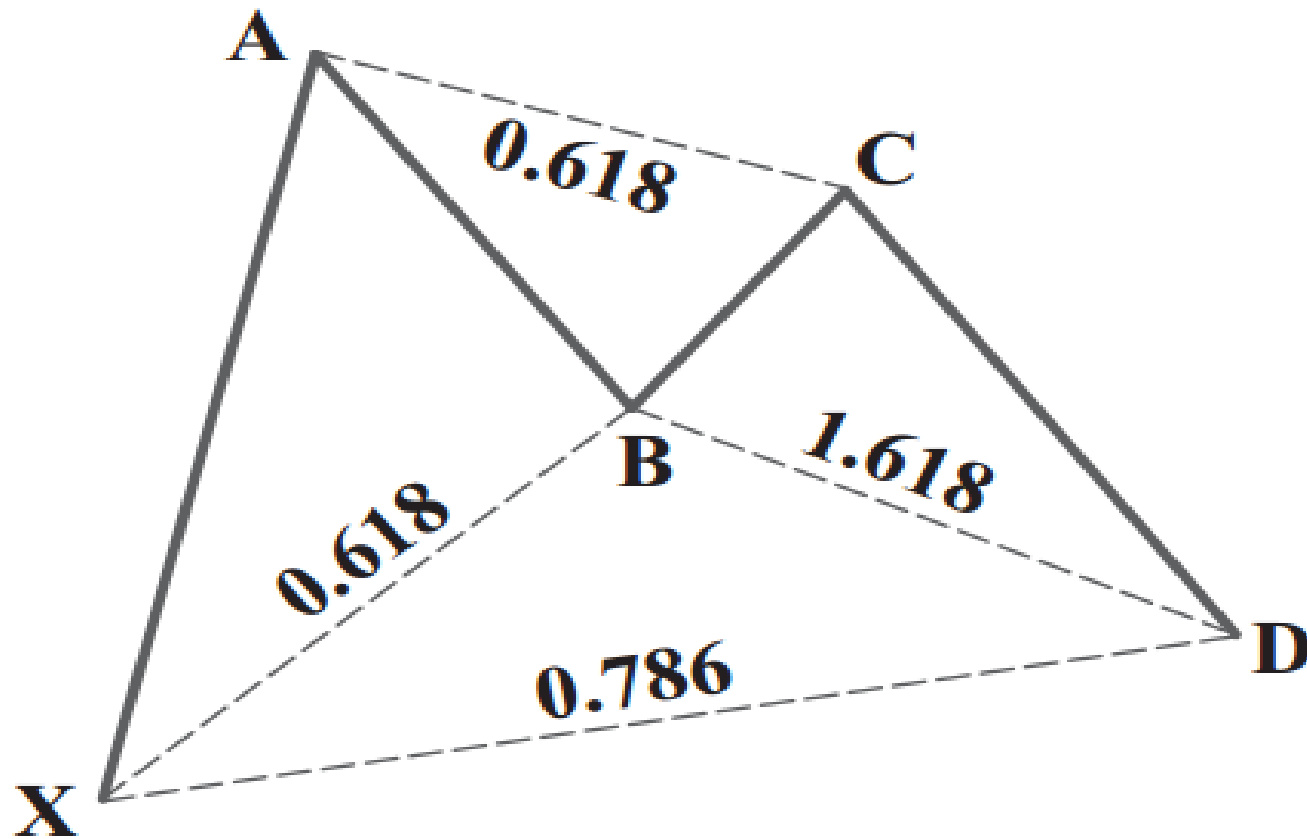


Figure 6.17

Gartley Pattern Summary

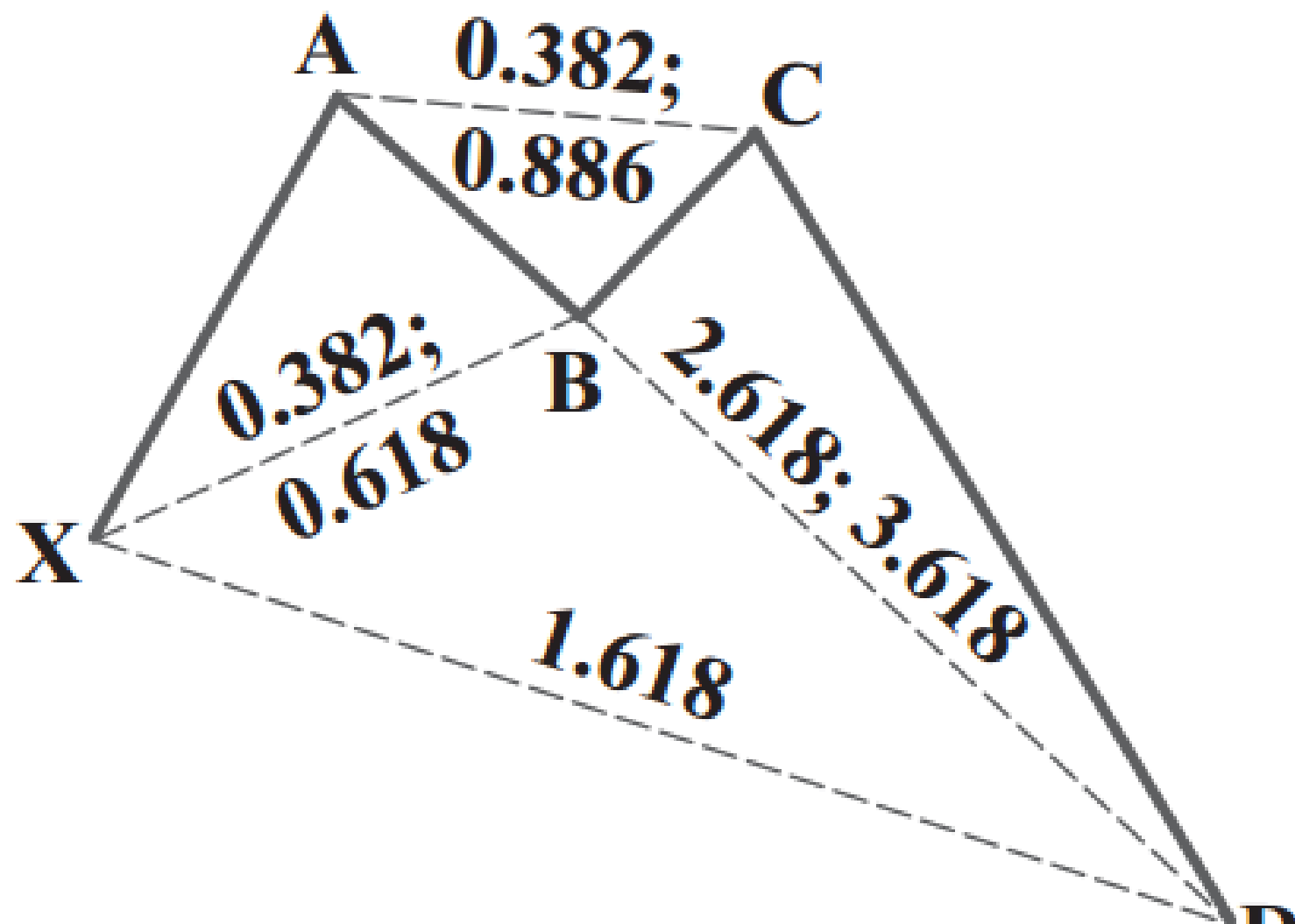
The Gartley pattern is a controversial pattern. Despite the varying interpretations within *The Great Gartley Controversy*, the most harmonic Gartley pattern possesses distinct characteristics at all points within the structural rules were originally outlined in "The Harmonic Trader."

The 0.618 B point retracement is critical in defining a valid Gartley structure. Although the 0.786 XA retracement is an important element of the structure, the equivalent $AB=CD$ within the pattern is the most critical completion point in the Potential Reversal Zone (PRZ). Furthermore, the $AB=CD$ completion is a mandatory minimum requirement for all valid Gartley patterns.

- 1. Precise 0.618 B point retracement of the XA leg.**
- 2. Precise 0.786 D point retracement of the XA leg in the PRZ.**
- 3. 1.27 or 1.618 BC projection.**
- 4. Equivalent $AB=CD$.**
- 5. C point retracement can vary between a 0.382 to a 0.886.**

The Gartley pattern must include these specific conditions to define the best harmonic structures. Although the Gartley may resemble a Bat, the Fibonacci ratios utilized in the setup are unique to this pattern. In addition, the pattern should be quite distinct and possess ideal symmetry.

The Bullish Crab pattern possesses a distinct structure with an extended final leg (see Figure 7.1). It is common for price action to become extreme as the pattern approaches its completion point. Again, it is best to wait for the 1.618 XA extension to be tested, but the BC projection should be a significant consideration and a minimum price level within the PRZ. In addition, the Alternate 1.27 or 1.618 AB=CD should complement this area.



The Bearish Crab Pattern

The Bearish Crab pattern is a precise structure with a PRZ consisting of three numbers, the 1.618 XA retracement, the Alternate $AB=CD$, and an extreme BC projection (see Figure 7.7).

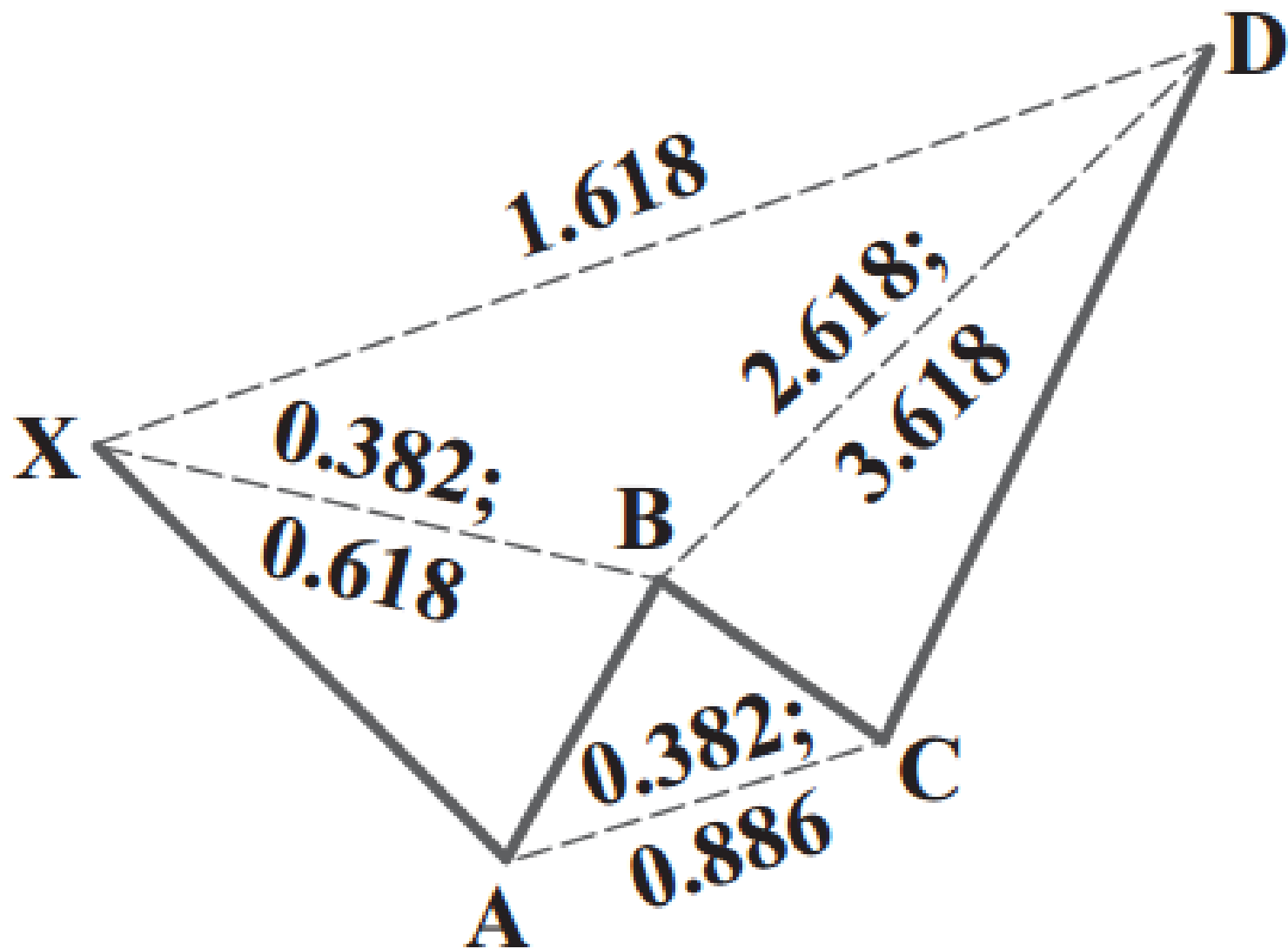
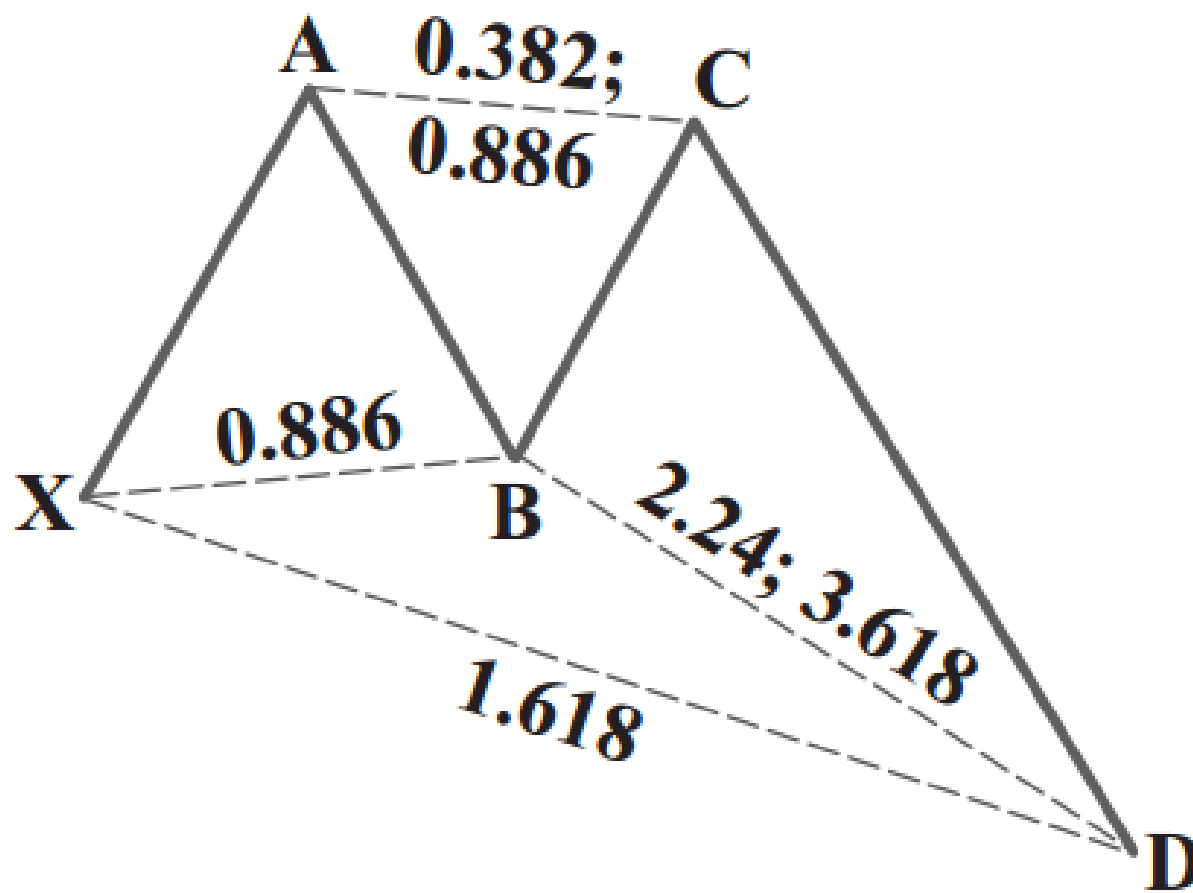


Figure 7.7

The Deep Bullish Crab Pattern

The Deep Bullish Crab is a distinct structure that is defined by the 0.886 B point retracement of the XA leg (see Figure 7.13). The 1.618 XA leg should be the lowest point in the PRZ and the defining limit in the completion of the pattern. The pattern usually possesses some type of Alternate Bullish $AB=CD$ that requires either a 1.27 or 1.618 calculation.



The Deep Bearish Crab Pattern

The Deep Bearish Crab pattern utilizes a 1.618 XA projection exclusively for the defining level in the PRZ (see Figure 7.16). The 0.886 retracement at the B point validates the structure as "deep" in nature. Essentially, this pattern possesses multiple extensions that combined with an Alternate AB=CD structure, identify considerable potential turning points. The pattern frequently develops after a trend has been established in patterns with an extreme BC projection.

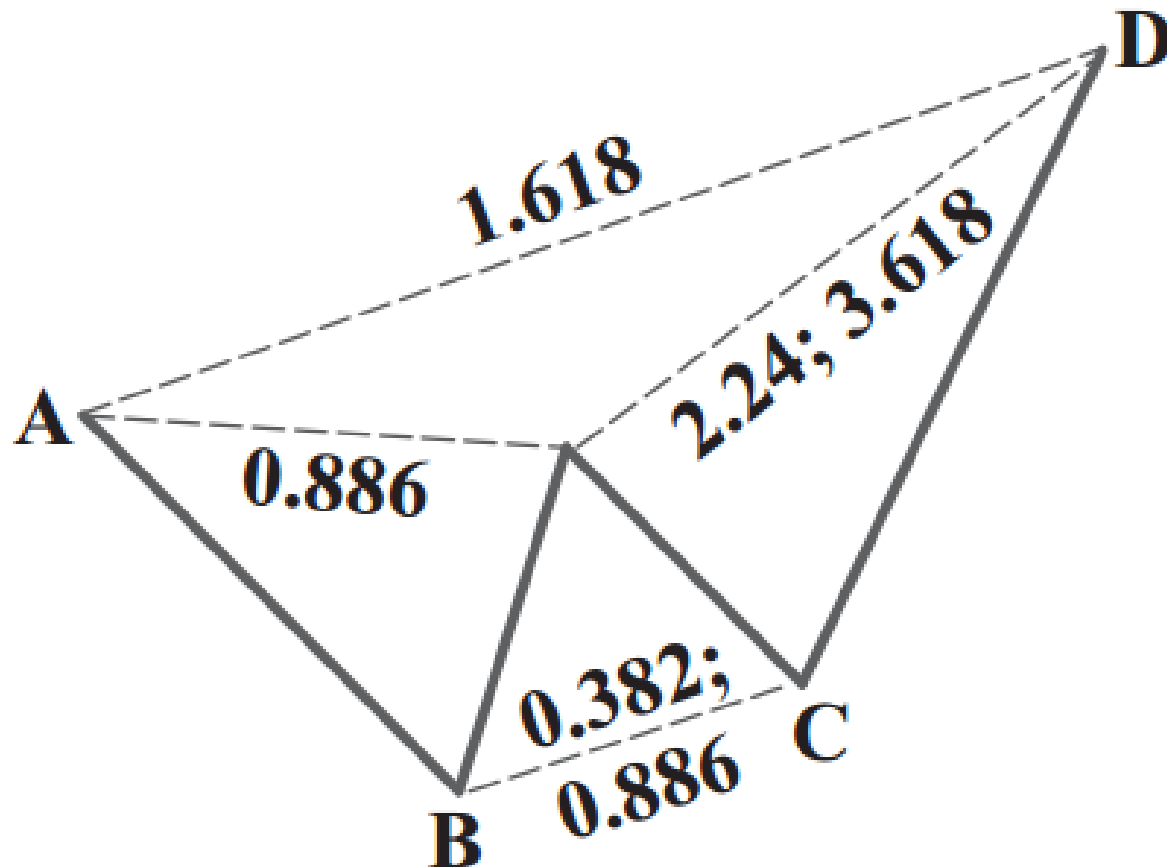


Figure 7.16

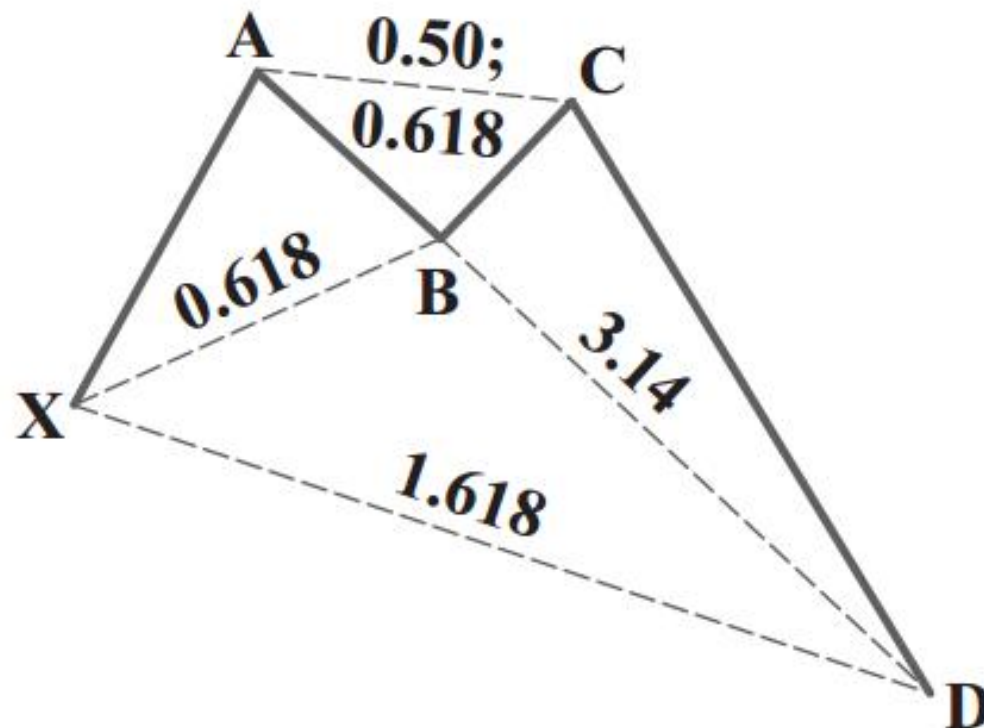
The Perfect Crab Pattern

The Crab pattern is defined by a 0.618 B point retracement, a 1.618 XA projection, and a 3.14 BC projection. Utilizing two extremely harmonic measures, 1.618 (Phi) and 3.14 (Pi), the perfect Crab represents a unique structure and an incredibly precise pattern.

1. Precise 0.618 B point retracement of the XA leg.
2. 3.14 BC projection.
3. 1.618 AB=CD.
4. C point within a 50–61.8% range.

The Perfect Bullish Crab Pattern

The perfect Bullish Crab pattern in Figure 7.19 is a distinct structure that possesses a precise alignment of 0.618 B point retracement, a 1.618 XA projection, an Alternate 1.618 AB=CD, and a 3.14 BC projection.



The Perfect Bearish Crab Pattern

The perfect Bearish Crab is a distinct 5-point extension structure that combines the particularly harmonic ratios of the 1.618 at the XA leg and the 3.14 at the BC leg (see Figure 7.22). This unique alignment frequently defines remarkable trading opportunities and incredibly precise resistance zones.

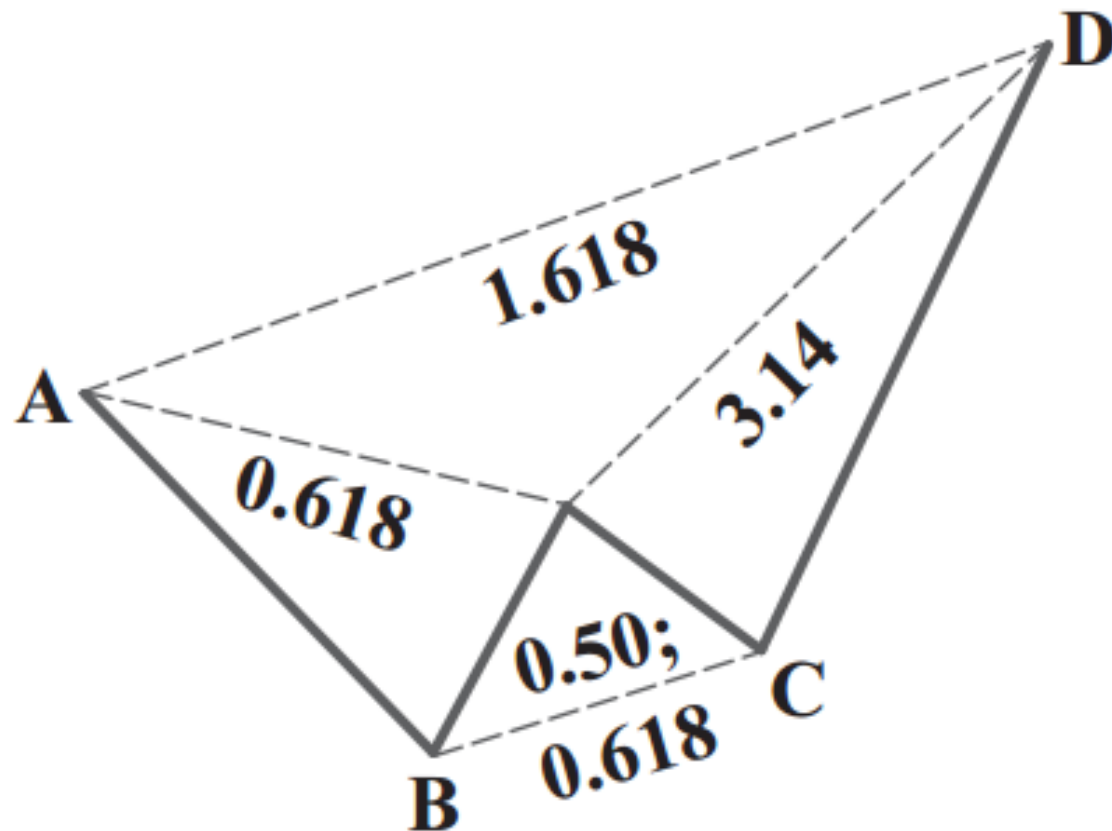


Figure 7.22

The Crab Pattern Summary

Although the structural variations of the Crab may seem to define the same pattern, the alignment of Fibonacci ratios clearly differentiates each type as a unique situation. The Crab typically defines extreme overbought and oversold situations, as the 1.618 XA leg is the most important Fibonacci measurement of the pattern and it represents the most critical number in the Potential Reversal Zone (PRZ).

Unlike the other patterns within the Harmonic Trading approach, the AB=CD is not as critical at the completion point. Although it is important to differentiate the AB=CD possibilities for each variation, the Alternate 1.618 AB=CD pattern is the preferred structure in most Crab patterns. However, the 1.27 AB=CD pattern is typically found in the original version, while it is not unusual for the Deep Crab to possess an equivalent AB=CD.

The extreme BC projection—usually a 2.618, 3.14, or 3.618 extension—underscores the nature of this structure. Although the Deep Crab permits a wider range of BC possibilities, this projection should converge closely with the 1.618 XA.

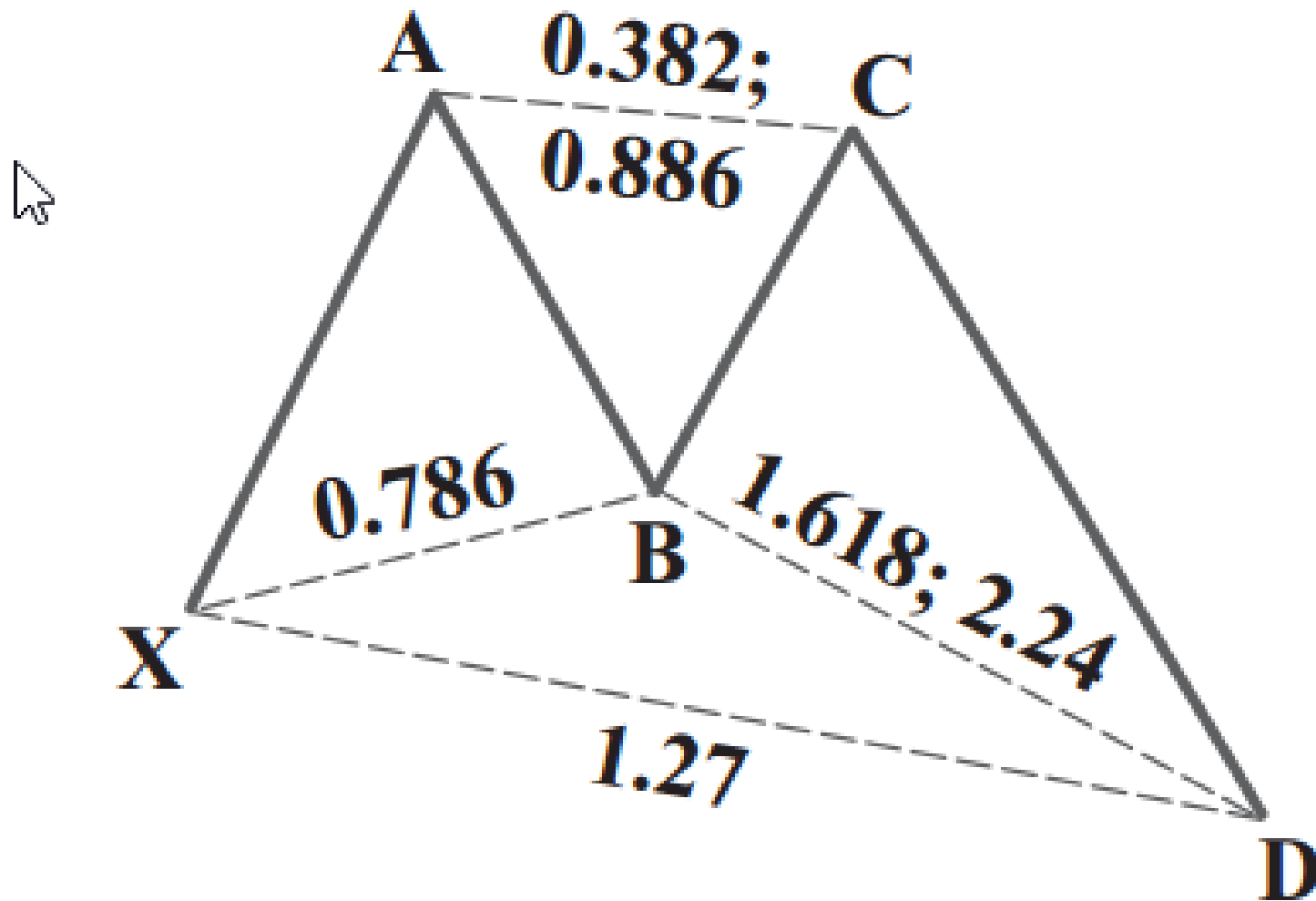
- 1. Precise 0.618 B point retracement or less of the XA leg. (.382 and 0.50 are common B points in the structure.)**
- 2. Extreme 2.618, 3.14 or 3.618BC projection. (Sometimes 2.24 BC projections form in the structure.)**
- 3. Minimum AB=CD completion. Alternate 1.27 AB=CD or 1.618 AB=CD patterns are most common.**
- 4. C point retracement can vary between a 0.382 to an 0.886.**
- 5. This is an extreme pattern!**

The volatile nature of this pattern must be emphasized. Reversals from these PRZs can be sharp and possess extreme price action. The Crab is a distinctive pattern and possesses unique qualities that identify remarkable harmonic opportunities. The differentiation of this pattern is critical to define each variation.

From a harmonic perspective, valid Crab structures identify extreme oversold or overbought conditions. These patterns usually offer some type of reaction on the initial test of the Potential Reversal Zone. The price action frequently responds to extreme Fibonacci projection combinations within the Crab pattern of the 1.618 XA leg and the 2.618 or greater BC leg. The Crab is an incredibly accurate and consistently effective pattern within the Harmonic Trading arsenal to identify critical turning points in the markets.

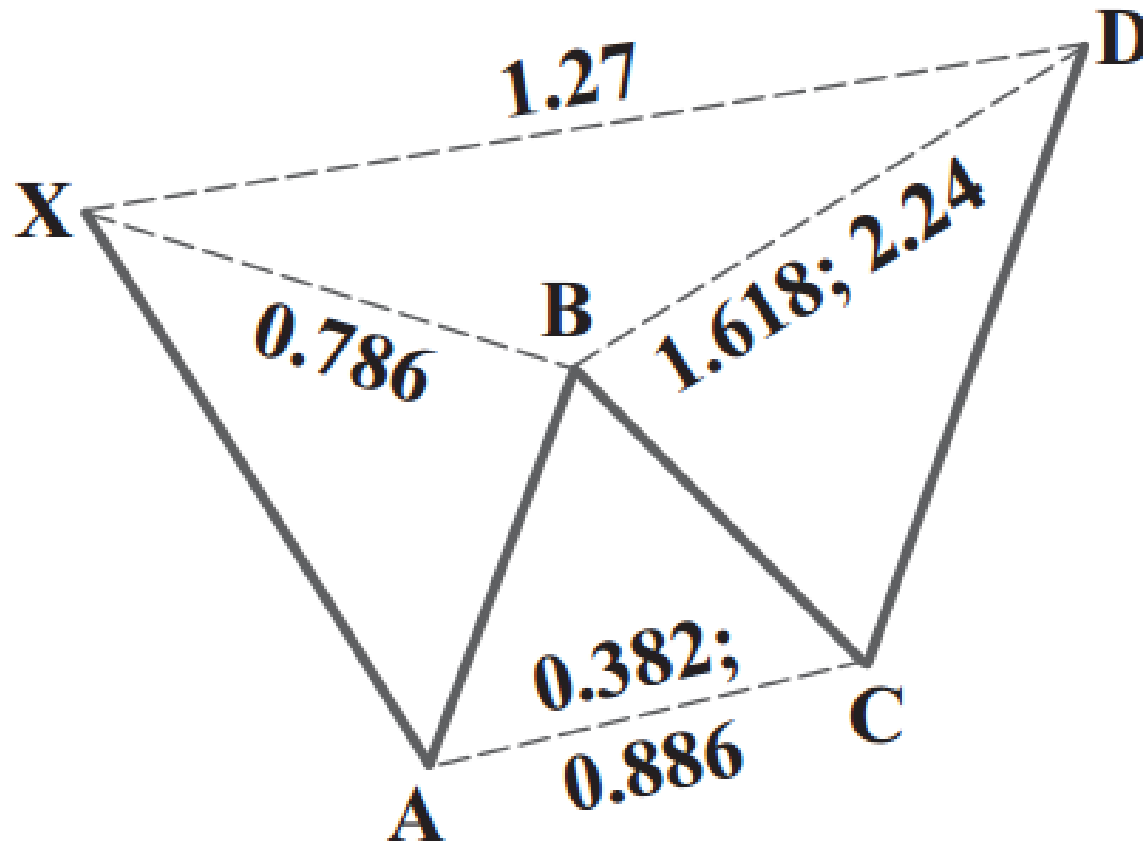
The Bullish Butterfly Pattern

Beginning with a precise 0.786 B point retracement, the Bullish Butterfly (see Figure 8.1) encompasses a minimum $AB=CD$ pattern with the 1.27 XA and the 1.618 BC projections as mandatory requirements to define the Potential Reversal Zone (PRZ).



The Bearish Butterfly Pattern

The ideal Bearish Butterfly structure is defined by a precise 0.786 B point retracement of the XA leg (see Figure 8.9). The setup requires an AB=CD pattern that should converge with the 1.27 XA and the 1.618 BC projections as minimum conditions to define the PRZ.



The Perfect Butterfly Pattern

The Perfect Butterfly pattern is defined by a B point retracement that is an exact 78.6% of the XA leg to set up the ideal alignment of Fibonacci ratios. Another distinctive aspect of the Perfect Butterfly structure is a precise 1.618 BC leg that complements completion of the 1.27 XA leg. Although the ideal Butterfly alignment permits some variation of the BC projection—up to a 2.24—the perfect structure possesses only a 1.618 BC. Although the ideal Butterfly alignment permits either AB=CD type, only the Alternate pattern 1.27 AB=CD is valid for the perfect pattern.

1. Exact 0.786 B point retracement of the XA leg.
2. 1.27 XA projection exclusively.
3. 1.618 BC projection.
4. Alternate 1.27 AB=CD in the PRZ.
5. C point with range between 0.50 to 0.886 retracement.

The Perfect Bullish Butterfly

The perfect Bullish Butterfly is a distinct 5-point extension structure that requires a specific alignment of Fibonacci numbers, including a 1.27 XA projection as the lowest limit in the PRZ (see Figure 8.14). The pattern must possess an Alternate 1.27 AB=CD pattern with a precise 1.618 BC projection, as well.

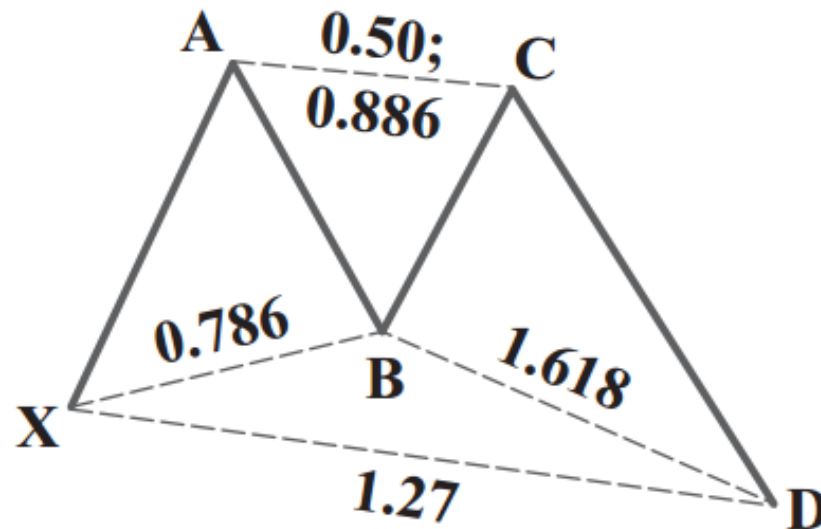
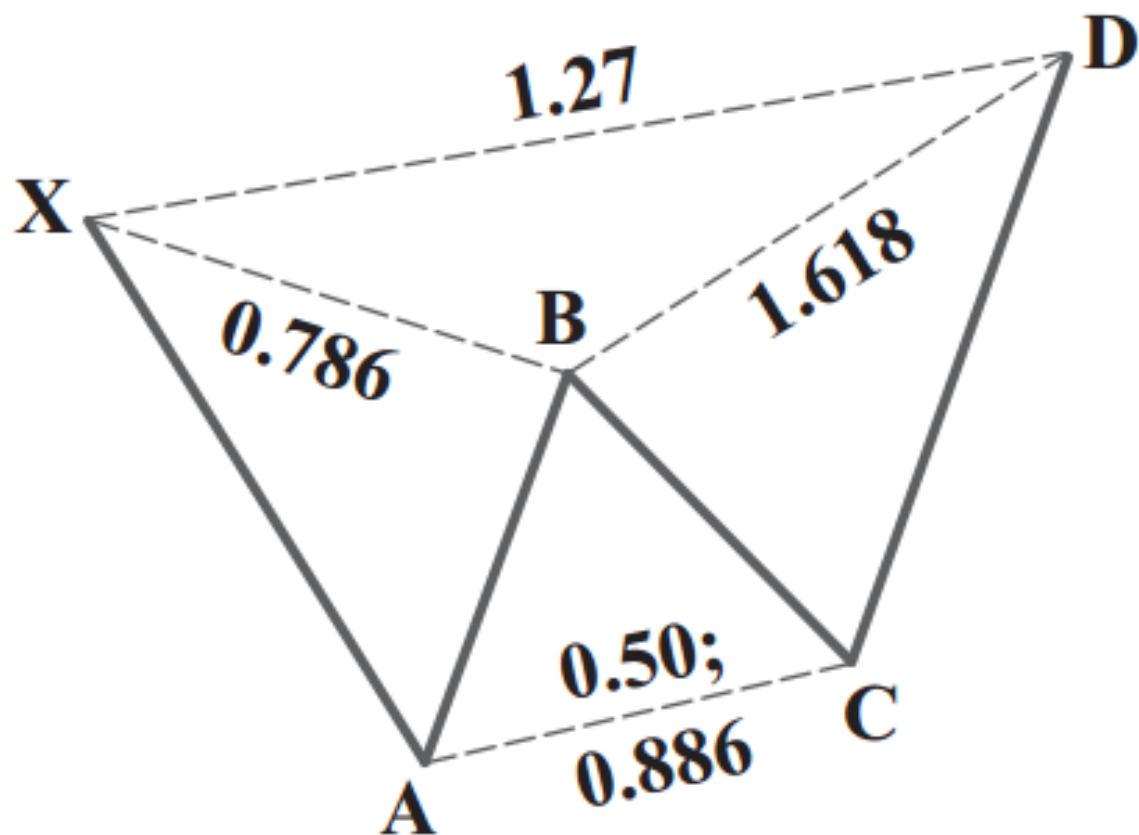


Figure 8.14

The Perfect Bearish Butterfly

The perfect Bearish Butterfly in Figure 8.17 is a distinct 5-point extension structure that utilizes the 1.27 XA projection as the highest limit in the PRZ. The pattern should possess an Alternate 1.27 AB=CD pattern with a 1.618 BC projection that complements the PRZ.



The Butterfly Pattern Summary

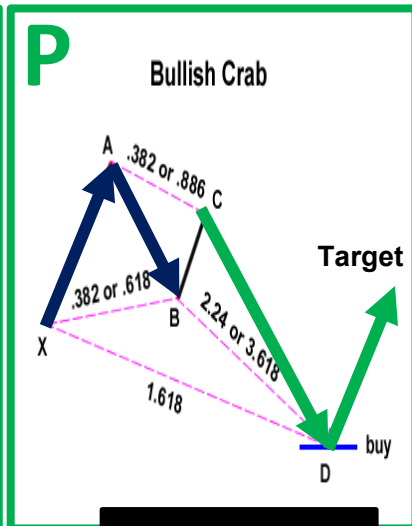
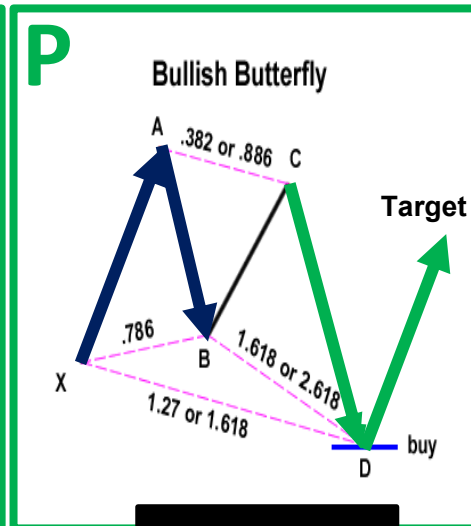
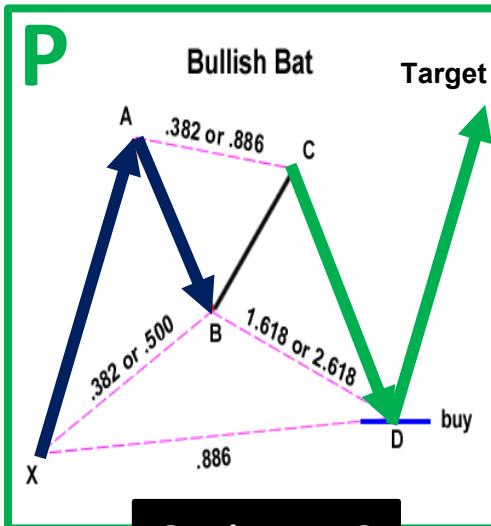
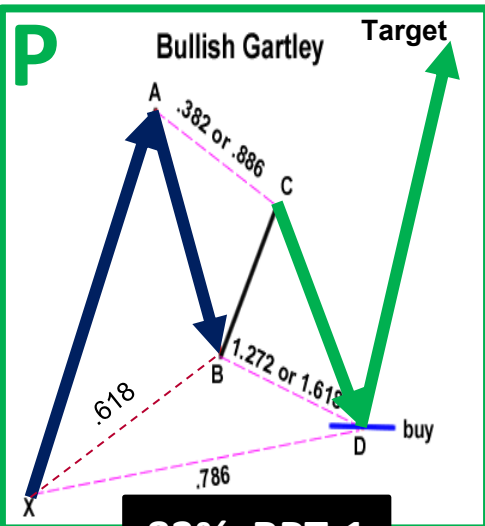
The Butterfly is a specific 5-point extension structure that possesses a distinct alignment of Fibonacci ratios to validate the pattern. The primary determining element of the pattern is a precise 0.786 B point retracement of the XA leg. The Butterfly utilizes only a 1.27 XA projection as the most critical number in the PRZ. Furthermore, the equivalent AB=CD pattern serves as a minimum requirement for the pattern's completion. But, the Alternate 1.27 AB=CD pattern is more common to the structure. The BC projection is another defining element of the pattern, as it must be at least a 1.618 extension. However, the BC projection is not as extreme in the Butterfly as it is in the Crab.

- 1. Minimum AB=CD completion with Alternate 1.27 AB=CD pattern most common.**
- 2. C point retracement can vary between a 0.382 to an 0.886, although 0.618 is preferred.**
- 3. BC projection can vary from 1.13 to 3.618 and depends upon the C point retracement.**
- 4. Alternate AB=CD patterns are common within the structure.**

The Butterfly is similar to the Gartley because it requires a specific alignment of Fibonacci ratios—especially a precise B point—to validate the structure. Although such a strict definition reduces the number of possible trading opportunities, this precision reduces those invalid situations that may appear similar but fail to yield consistently accurate setups.

Harmonic Trading Patterns

Target from DA @ 0.382 / 0.618 / 1.27

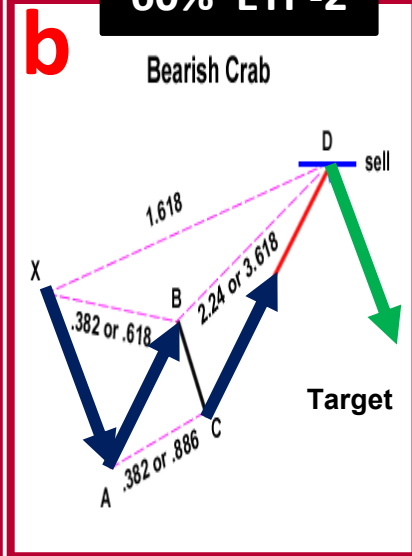
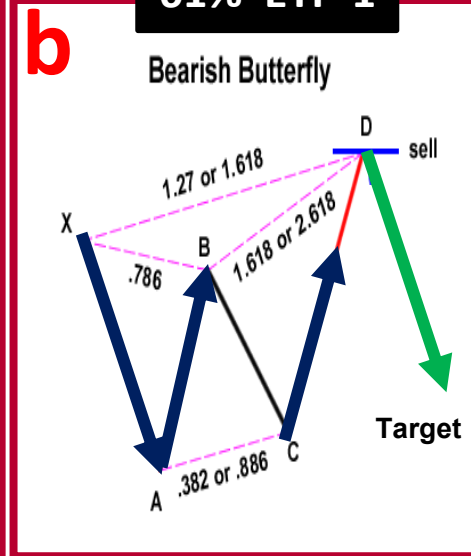
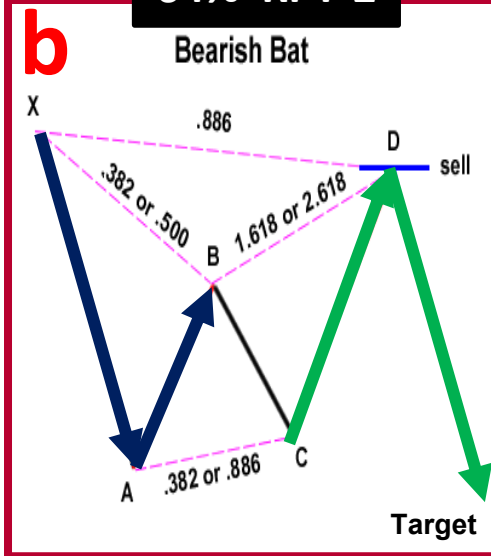
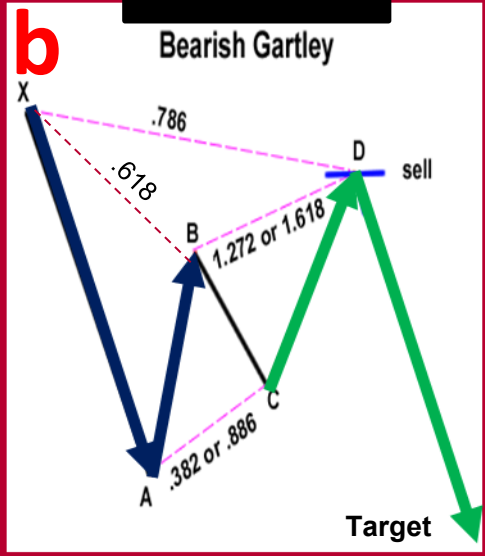


83% RPT-1

64% RPT-2

61% ETP-1

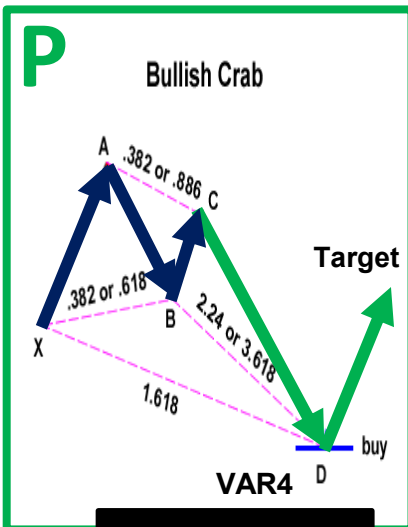
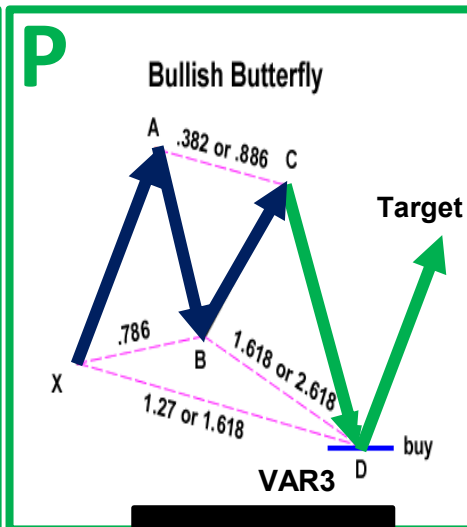
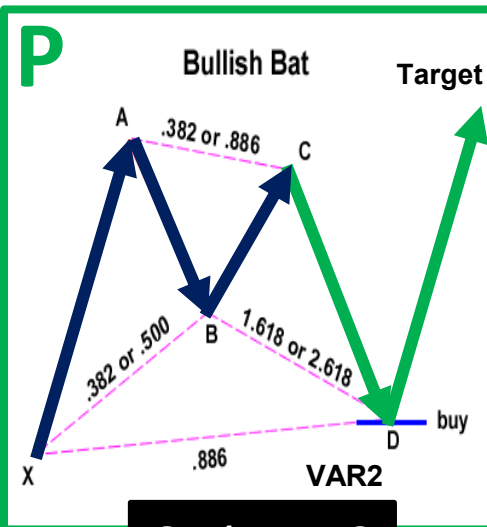
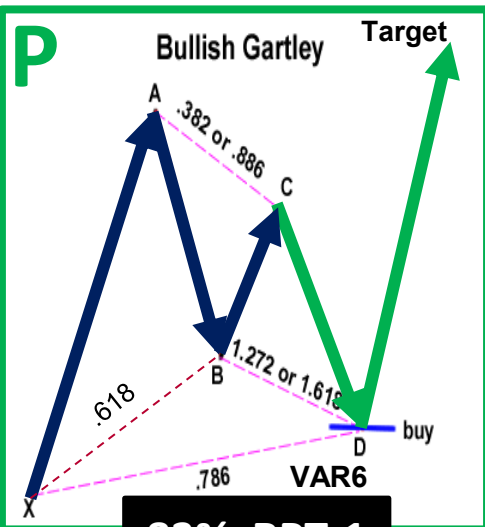
60% ETP-2



RTP – Retracement Pattern
ETP – Extended Pattern

Harmonic Trading Patterns

Target from DA @ 0.382 / 0.618 / 1.27

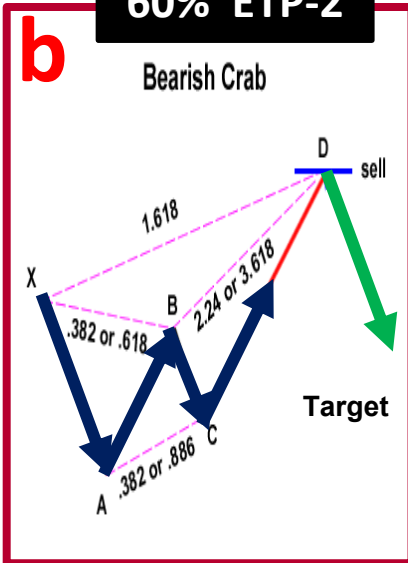
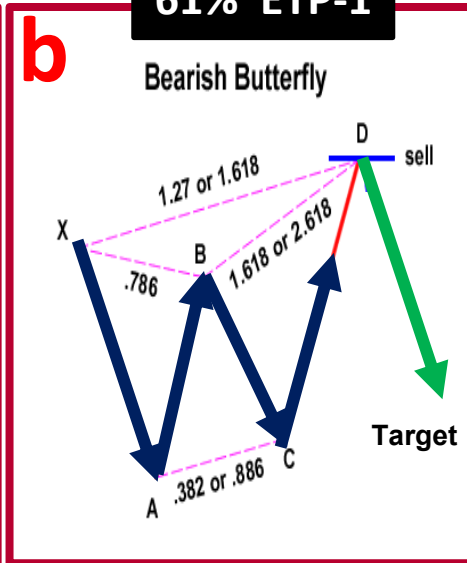
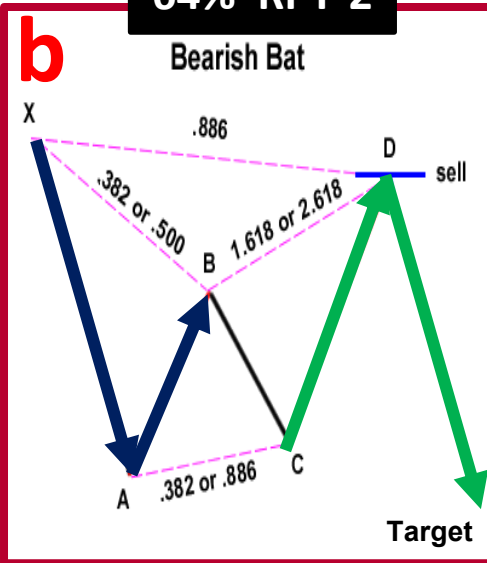
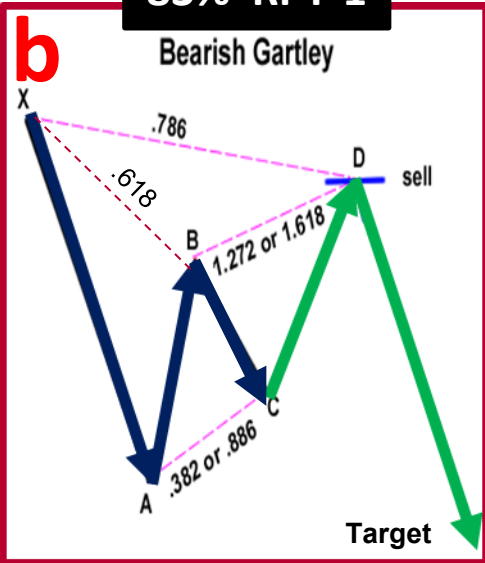


83% RPT-1

64% RPT-2

61% ETP-1

60% ETP-2

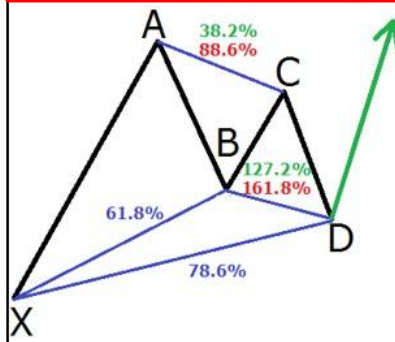


RTP – Retracement Pattern
 ETP – Extended Pattern

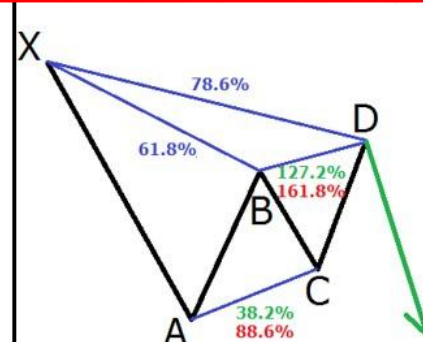
Harmonic Trading Patterns

Harmonic trading in the futures market includes the identification and the analysis of a handful of chart figures. In most of the cases these patterns consist of four price moves all of them conforming to specific Fibonacci levels (38.2%, 61.8%, 127.2%, 138.2%, 161.8%).

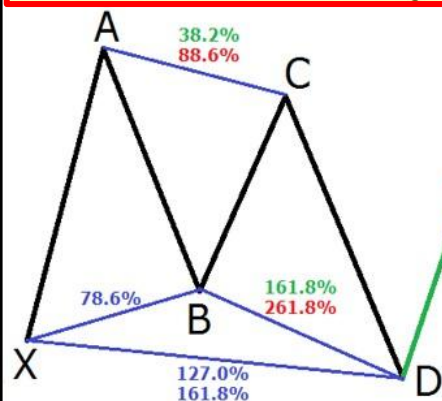
Bullish Gartley



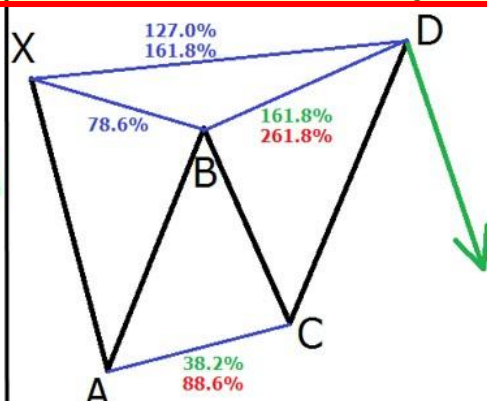
Bearish Gartley



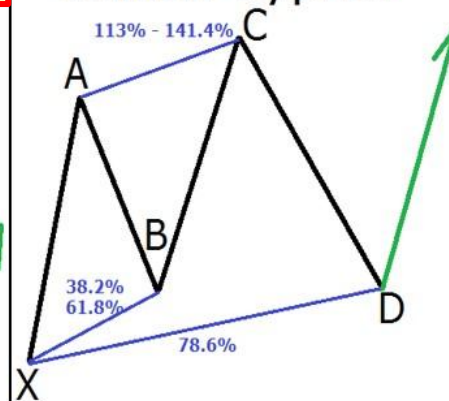
Bullish Butterfly



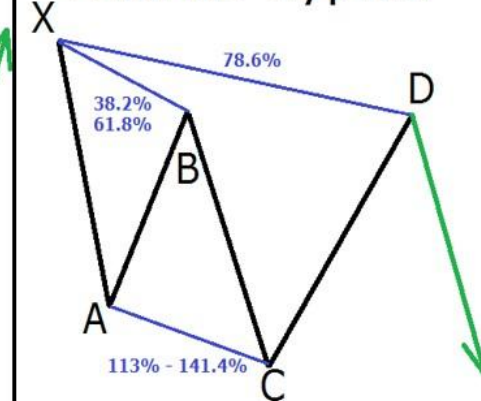
Bearish Butterfly



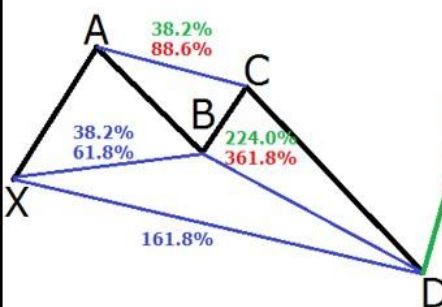
Bullish Cypher



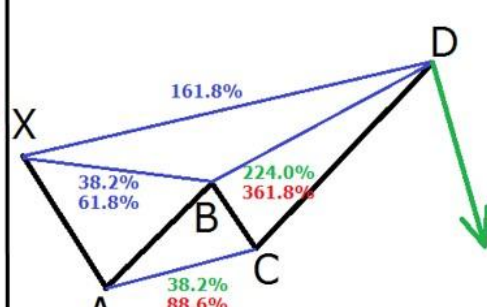
Bearish Cypher



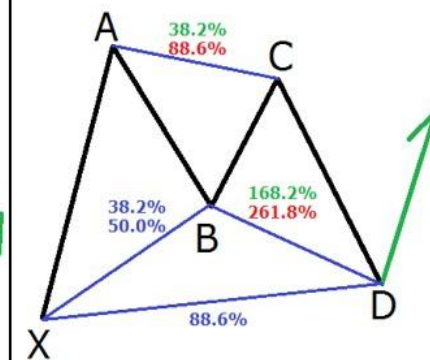
Bullish Crab



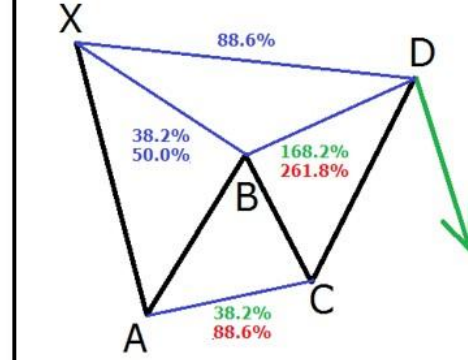
Bearish Crab



Bullish Bat



Bearish Bat



ETP-0	
Variation 1 XB:	0.382
Variation 1 AC Min:	0.382
Variation 1 AC Max:	0.886
Variation 1 BD Min:	2
Variation 1 BD Max:	2.618
Variation 1 XD:	1.41

BAT	
Variation 2 XB Min:	0.382
Variation 2 XB Max:	0.5
Variation 2 AC Min:	0.382
Variation 2 AC Max:	0.886
Variation 2 BD Min:	1.618
Variation 2 BD Max:	2.618
Variation 2 XD:	0.886

BUTTERFLY	
Variation 3 XB:	0.786
Variation 3 AC Min:	0.382
Variation 3 AC Max:	0.886
Variation 3 BD Min:	1.618
Variation 3 BD Max:	2.618
Variation 3 XD Min:	1.27
Variation 3 XD Max:	1.618

CRAB	
Variation 4 XB Min:	0.382
Variation 4 XB Max:	0.618
Variation 4 AC Min:	0.382
Variation 4 AC Max:	0.886
Variation 4 BD Min:	2.24
Variation 4 BD Max:	3.618
Variation 4 XD:	1.618

ETP-3	
Variation 5 XB:	0.886
Variation 5 AC Min:	0.382
Variation 5 AC Max:	0.886
Variation 5 BD Min:	2.618
Variation 5 BD Max:	3.618
Variation 5 XD:	1.618

GARTLEY	
Variation 6 XB:	0.618
Variation 6 AC Min:	0.382
Variation 6 AC Max:	0.886
Variation 6 BD Min:	1.13
Variation 6 BD Max:	1.618
Variation 6 XD:	0.786

ETP-4	
Variation 7 XD Min:	0.886
Variation 7 XD Max:	1.13
Variation 7 AC Min:	1.13
Variation 7 AC Max:	1.616
Variation 7 BD Min:	1.618
Variation 7 BD Max:	2.34

CYPHER	
XTP-1 XB Min:	0.382
XTP-1 XB Max:	0.618
XTP-1 AC Min:	1.13
XTP-1 AC Max:	1.414
XTP-1 XD:	0.786

XTP-2	
XTP-2 XB Min:	0.5
XTP-2 XB Max:	0.886
XTP-2 AC Min:	1.618
XTP-2 AC Max:	2
XTP-2 XD:	0.886

6 Point	
6 Point XB Min:	0.382
6 Point XB Max:	0.886
6 Point AC Min:	2
6 Point AC Max:	2.618
6 Point BD:	0.55

4 Point	
4 Point AC Min:	0.382
4 Point AC Max:	0.886
4 Point DB Min:	1.41
4 Point DB Max:	2

3 Point	
3 Point Wave 12 Min:	1.128
3 Point Wave 12 Max:	1.618
3 Point Wave 23 Min:	1.128
3 Point Wave 23 Max:	1.618

Gartley

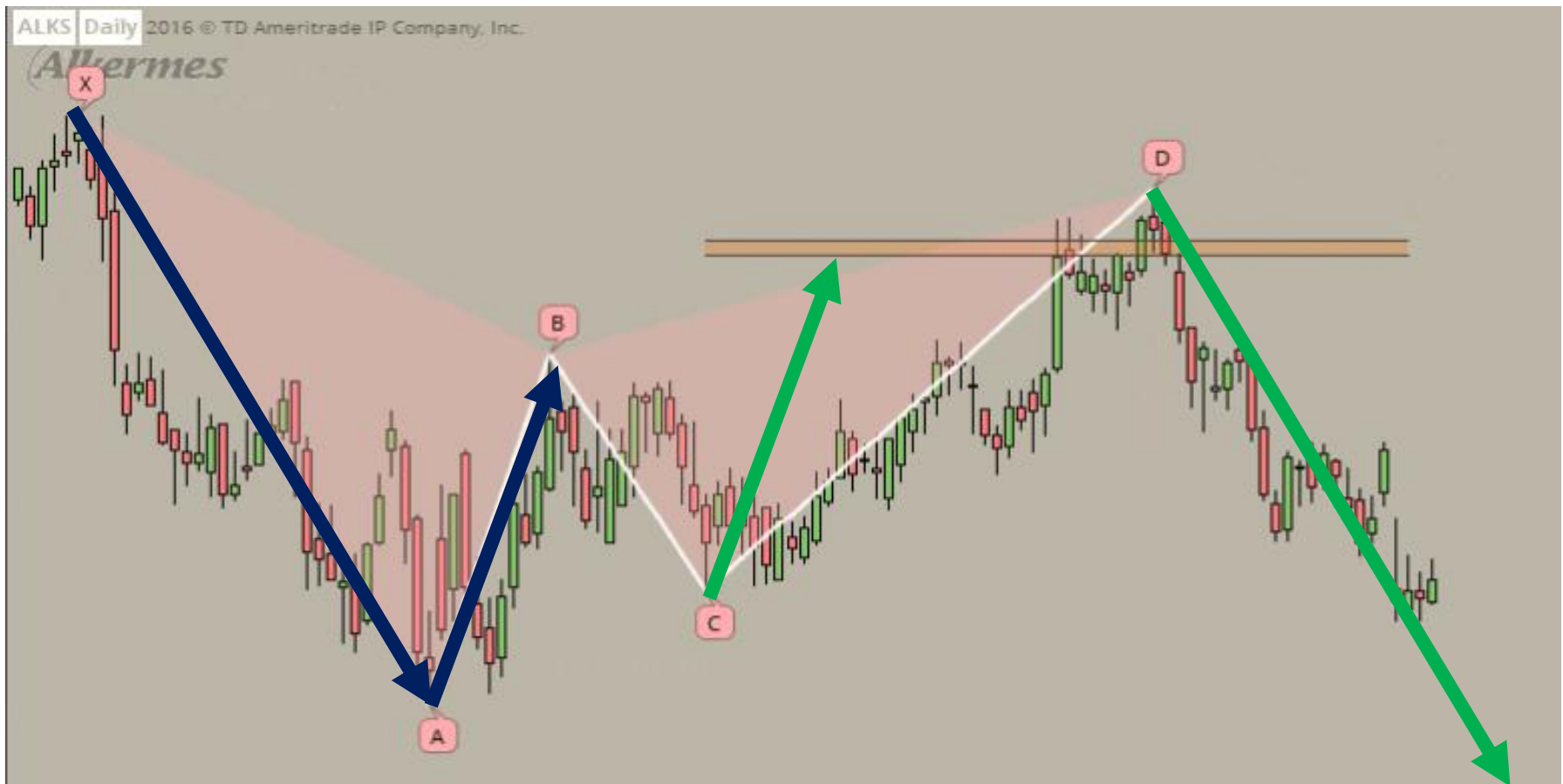
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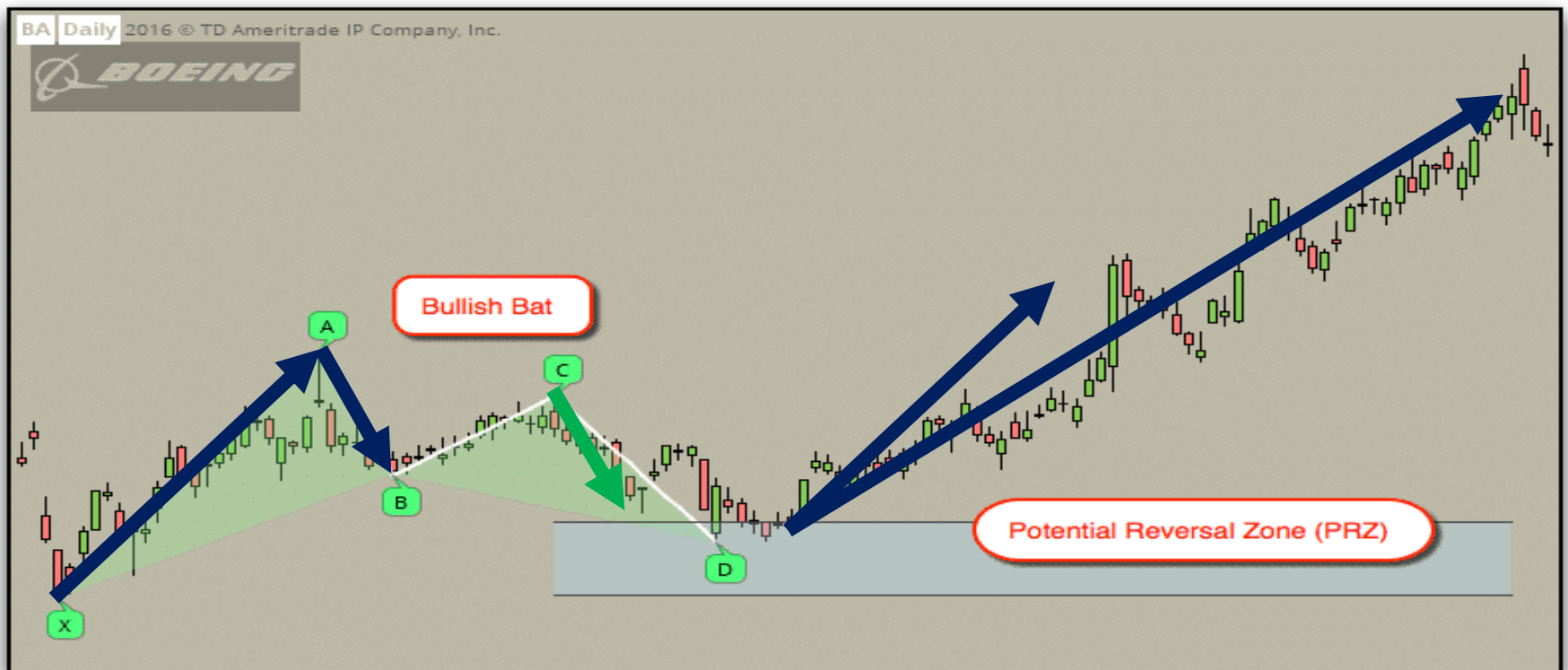
Harmonic Patterns

Harmonic Trading utilizes the best strategies of Fibonacci and pattern recognition techniques to identify, execute, and manage trade opportunities. These techniques are extremely precise and comprise a system that requires specific conditions to be met before any trade is executed. The Harmonic Trading approach offers information regarding the potential state of future price action like no other technical methods.

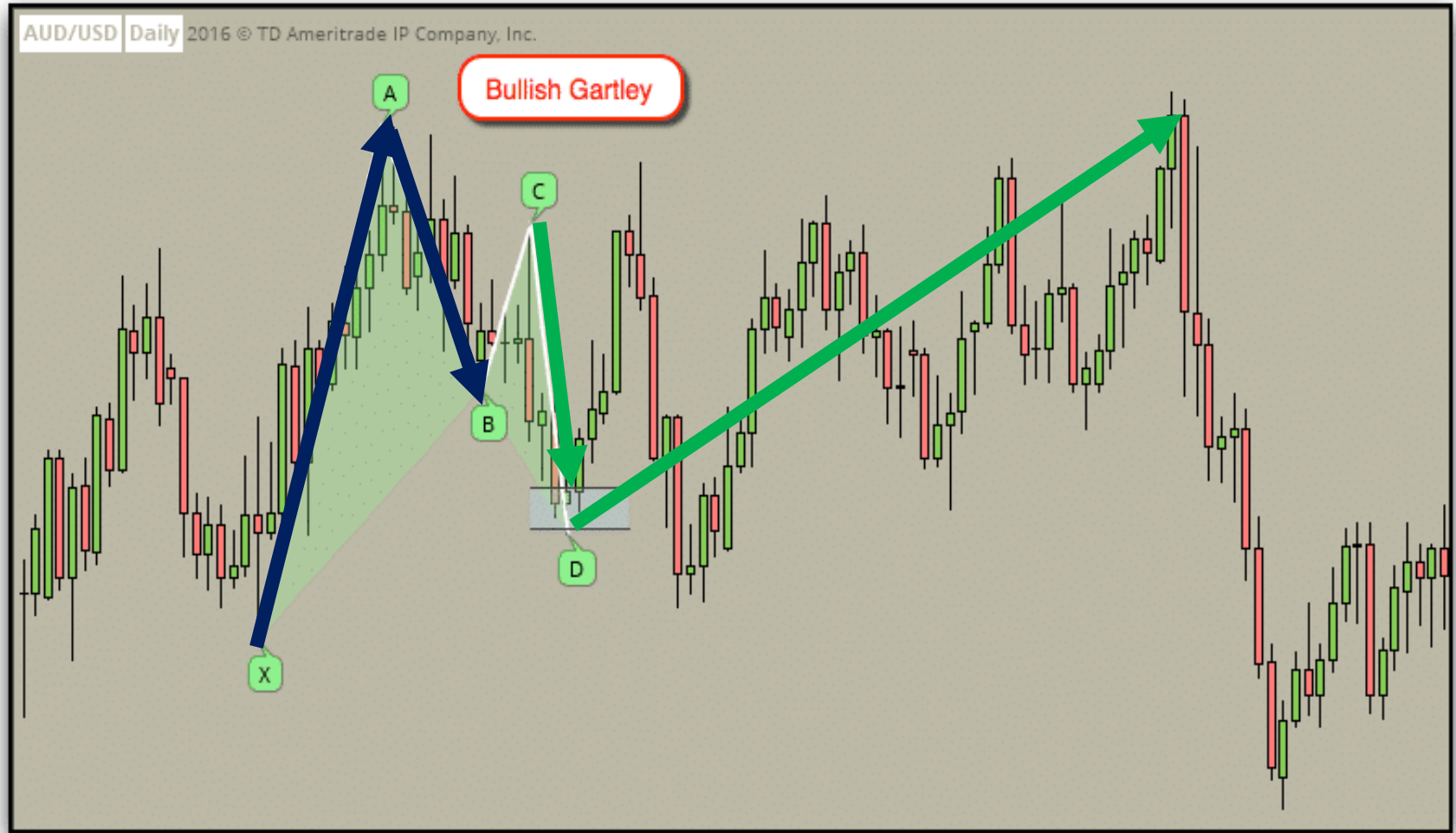


The Potential Reversal Zone

- This area is marked as a highly probable area for a reversal. This potential reversal zone is marked once point “C” is identified. By calculating the various Fibonacci aspects of a specific price structure, harmonic patterns can indicate a specific area to examine for *potential* turning points in price action.
- These are zero-lag indicators that rely on price action alone. As such, points “C” and “D” will redraw until the associated peak or valley has fully formed



Example $AB=CD$ & $XA=D(\text{Target})$



Example $AB=CD$ & $XA=D(\text{Target})$



Example $AB=CD$ & $XA=D(\text{Target})$



Example $AB=CD$ & $XA=D(\text{Target})$



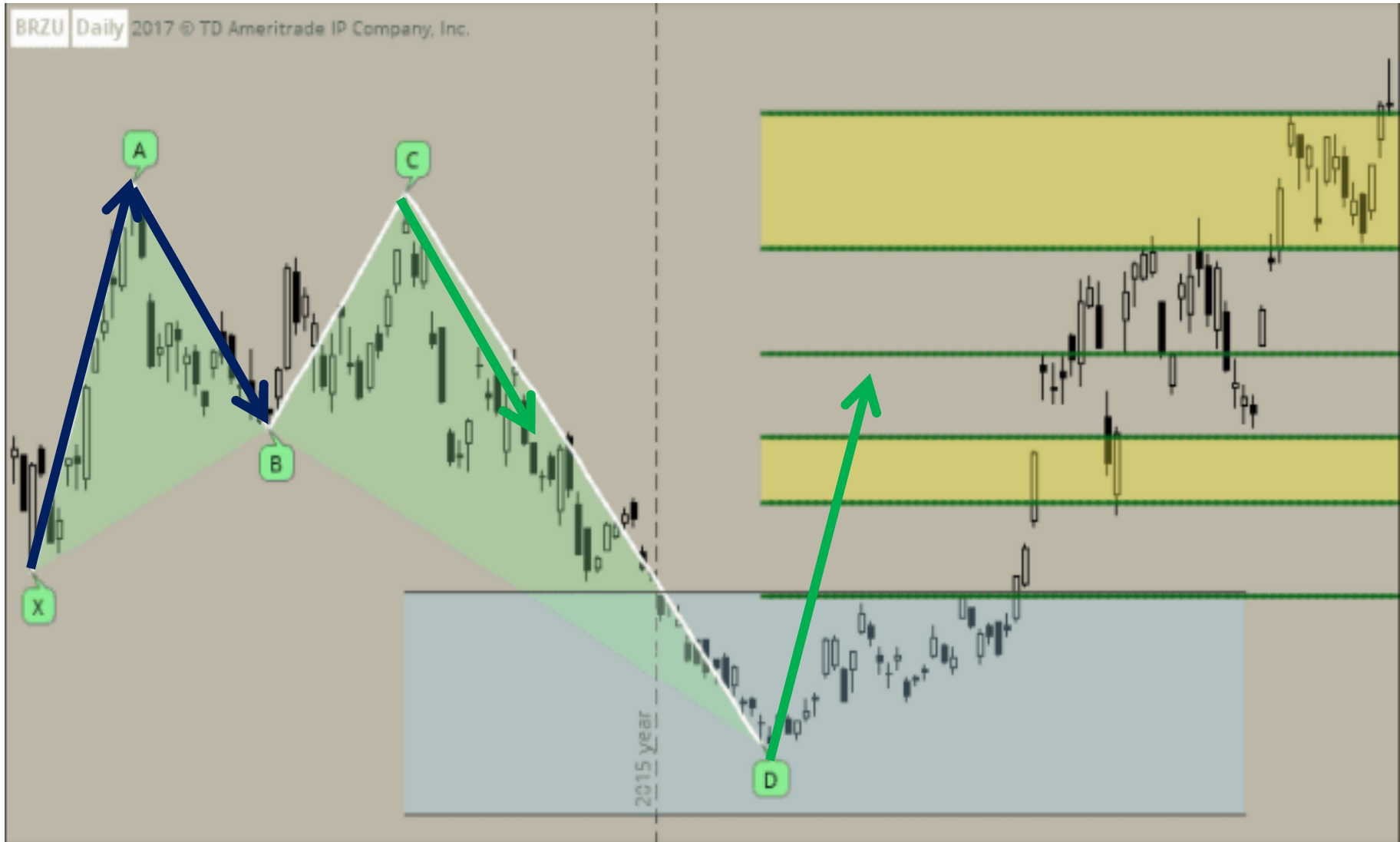
Example $AB=CD$ & $XA=D(\text{Target})$



Example $AB=CD$ & $XA=D(\text{Target})$



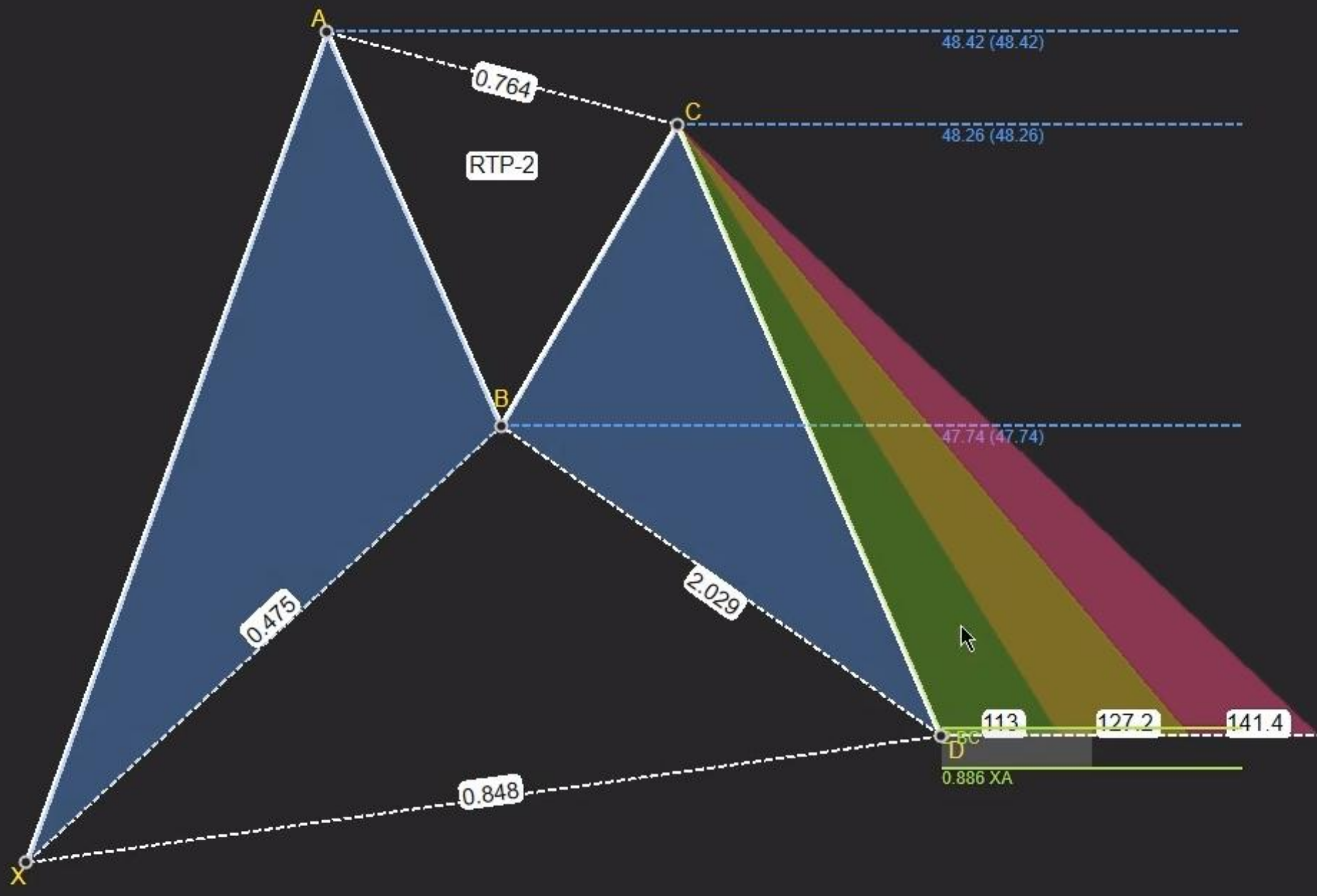
Example AB=CD & XA=D(Target)



Example $AB=CD$ & $XA=D(\text{Target})$









ETP-0	
Variation 1 XB:	0.382
Variation 1 AC Min:	0.382
Variation 1 AC Max:	0.886
Variation 1 BD Min:	2
Variation 1 BD Max:	2.618
Variation 1 XD:	1.41

ETP-2	
Variation 4 XB Min:	0.55
Variation 4 XB Max:	0.618
Variation 4 AC Min:	0.382
Variation 4 AC Max:	0.886
Variation 4 BD Min:	2.618
Variation 4 BD Max:	3.618
Variation 4 XD:	1.618

ETP-4	
Variation 7 XD Min:	0.886
Variation 7 XD Max:	1.13
Variation 7 AC Min:	1.13
Variation 7 AC Max:	1.616
Variation 7 BD Min:	1.618
Variation 7 BD Max:	2.34

General global settings	
Time Extension 1:	113
Time Extension 2:	127.2
Time Extension 3:	141.4
Gap percent:	15

RTP-2	
Variation 2 XB Min:	0.382
Variation 2 XB Max:	0.5
Variation 2 AC Min:	0.382
Variation 2 AC Max:	0.886
Variation 2 BD Min:	2
Variation 2 BD Max:	2.618
Variation 2 XD:	0.886

ETP-3	
Variation 5 XB:	0.886
Variation 5 AC Min:	0.382
Variation 5 AC Max:	0.886
Variation 5 BD Min:	2.618
Variation 5 BD Max:	3.618
Variation 5 XD:	1.618

XTP-1	
XTP-1 XB Min:	0.382
XTP-1 XB Max:	0.618
XTP-1 AC Min:	1.272
XTP-1 AC Max:	1.414
XTP-1 XD:	0.786

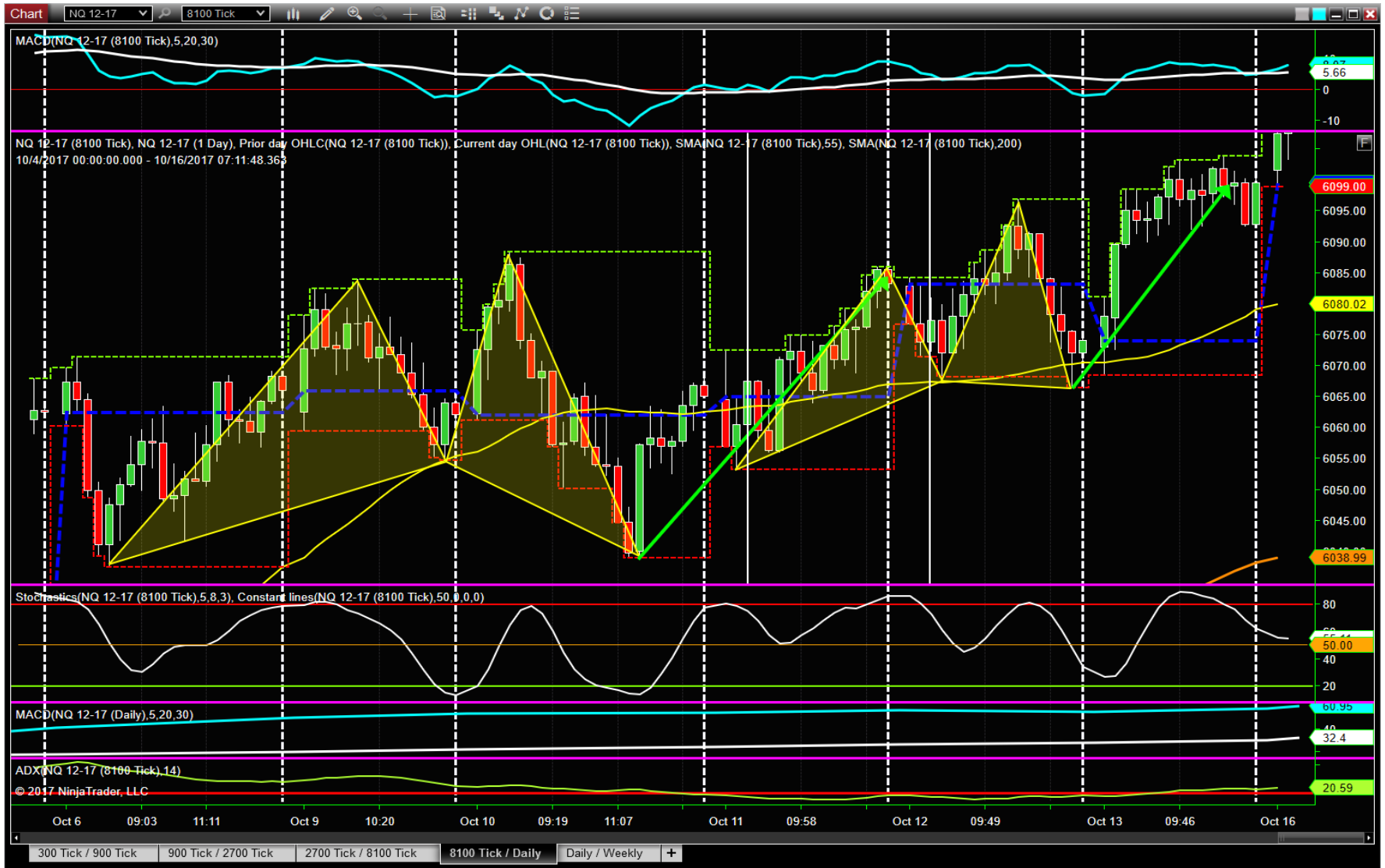
ETP-1	
Variation 3 XB:	0.786
Variation 3 AC Min:	0.382
Variation 3 AC Max:	0.886
Variation 3 BD Min:	2
Variation 3 BD Max:	2.618
Variation 3 XD Min:	1.27
Variation 3 XD Max:	1.41

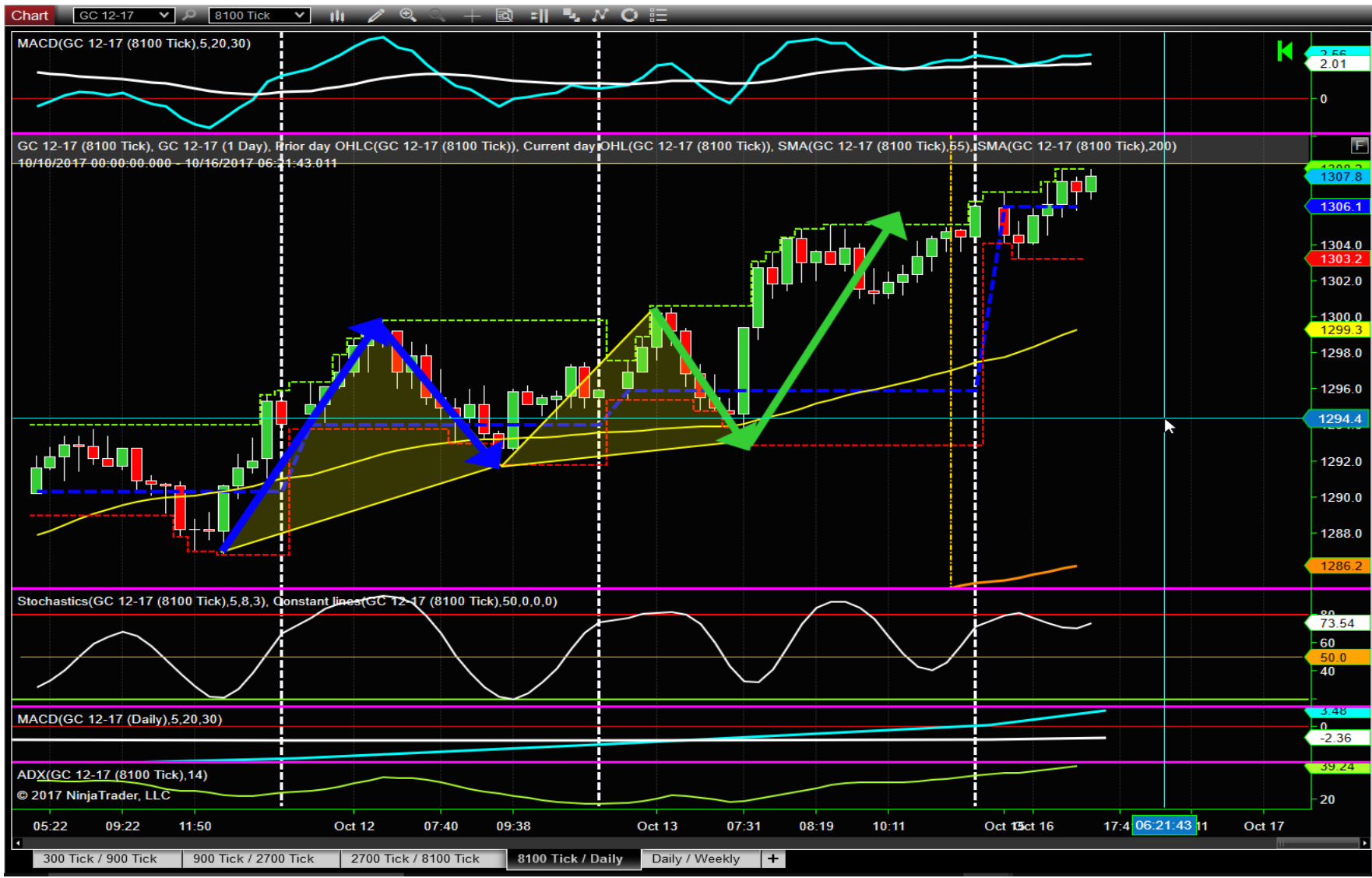
RTP-1	
Variation 6 XB:	0.618
Variation 6 AC Min:	0.382
Variation 6 AC Max:	0.886
Variation 6 BD Min:	1.41
Variation 6 BD Max:	1.618
Variation 6 XD:	0.786

XTP-2	
XTP-2 XB Min:	0.5
XTP-2 XB Max:	0.886
XTP-2 AC Min:	1.618
XTP-2 AC Max:	2
XTP-2 XD:	0.886

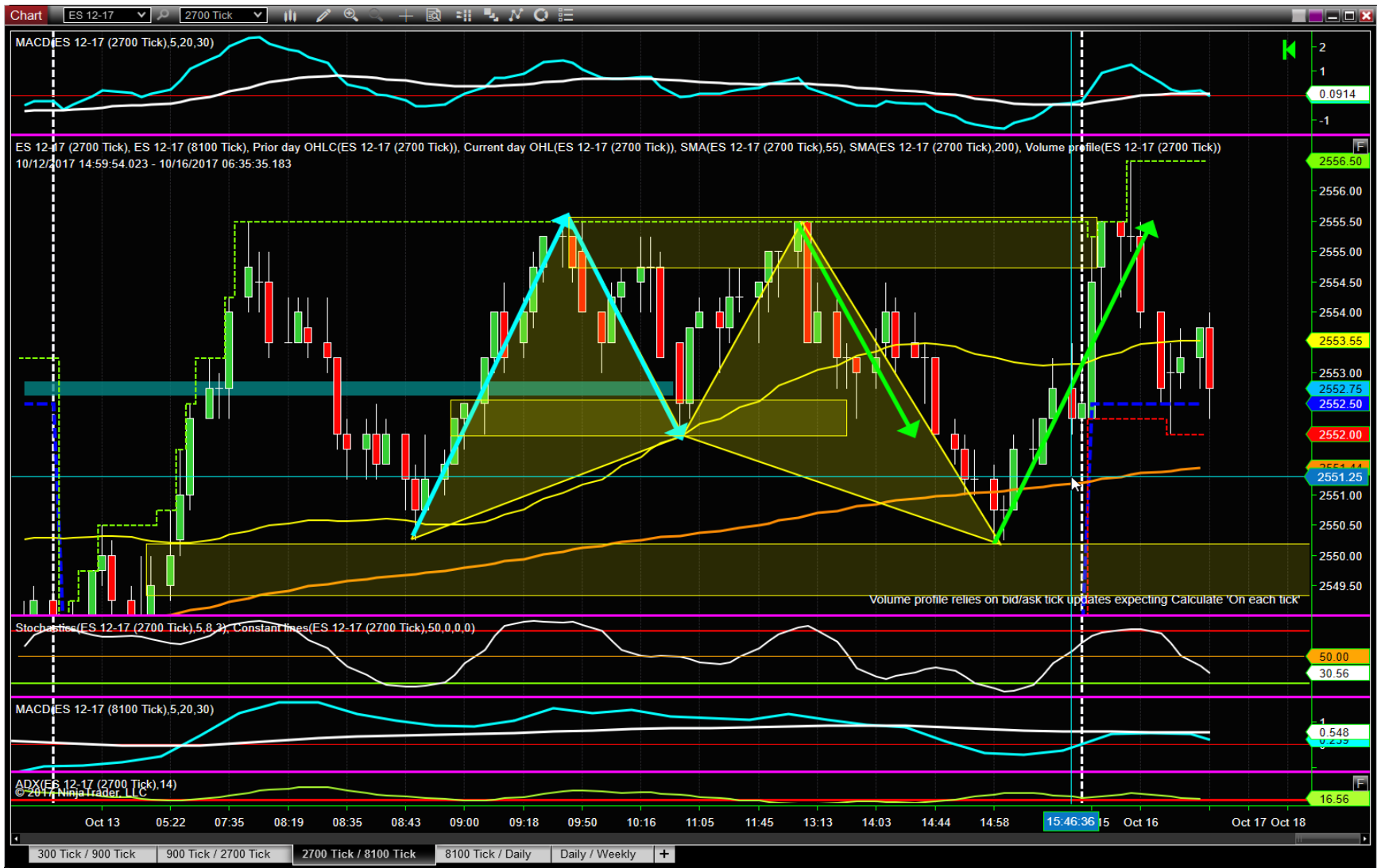
Save


Save Completed



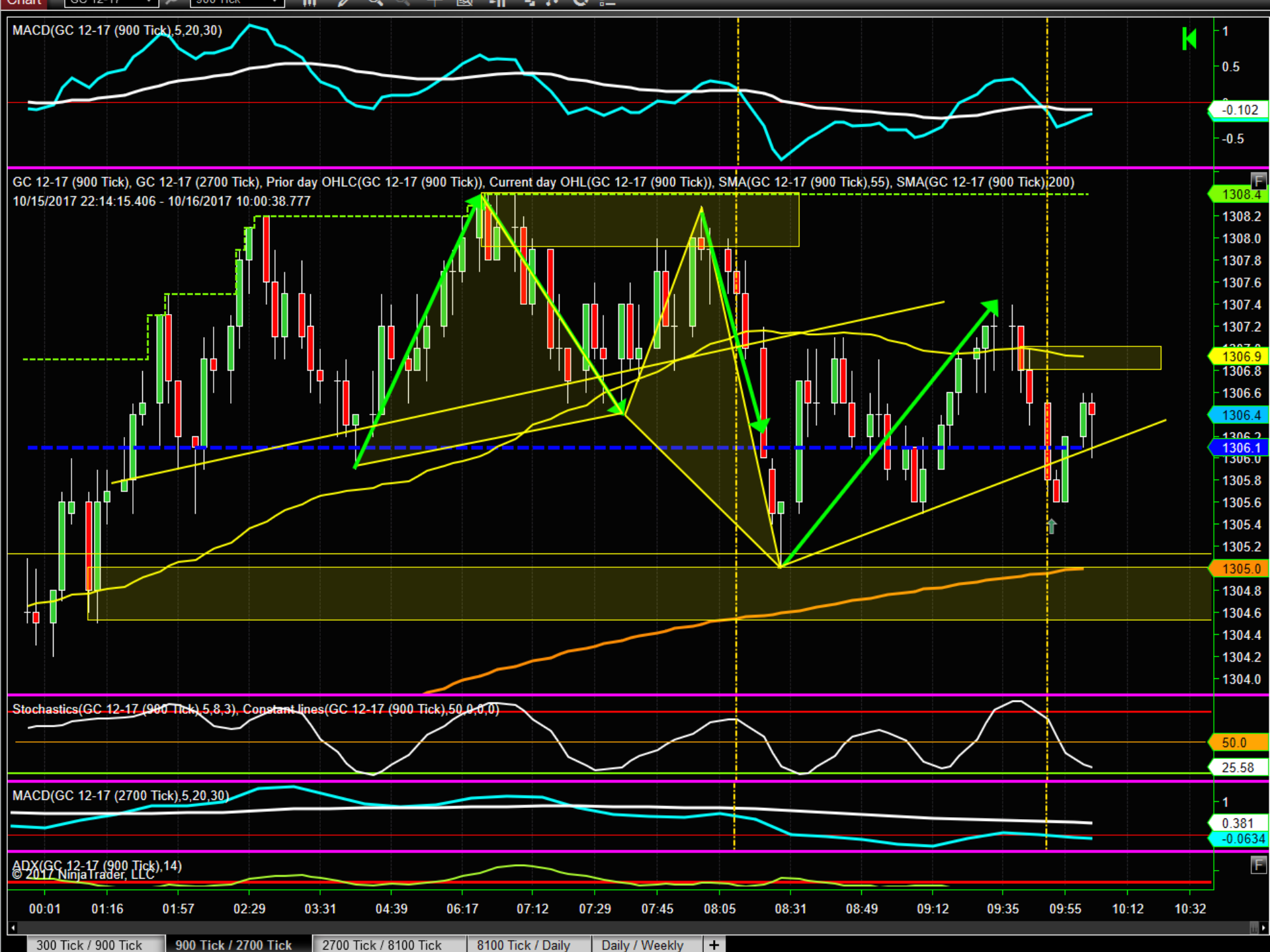


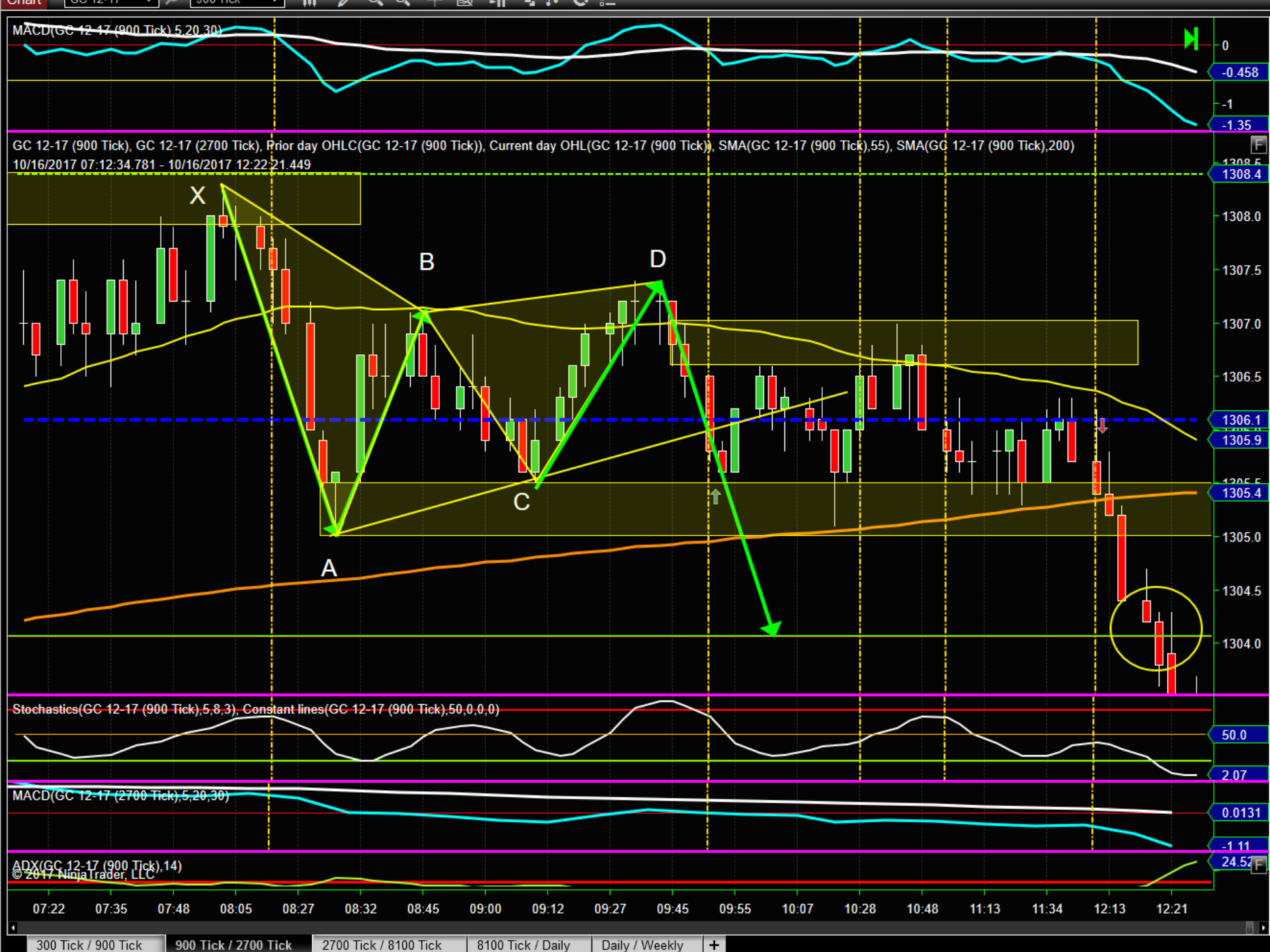
Zimba Trading



Date ▲	Instructor	Description
Thursday, 19 October 2017	Scot Stokes	Instructor: Scot Stokes Title: New Futures Worksheet 3:00PM (PDT) / 6:00PM (EDT) / 11:00PM (BST) /+1 day 6:00AM (SGT)

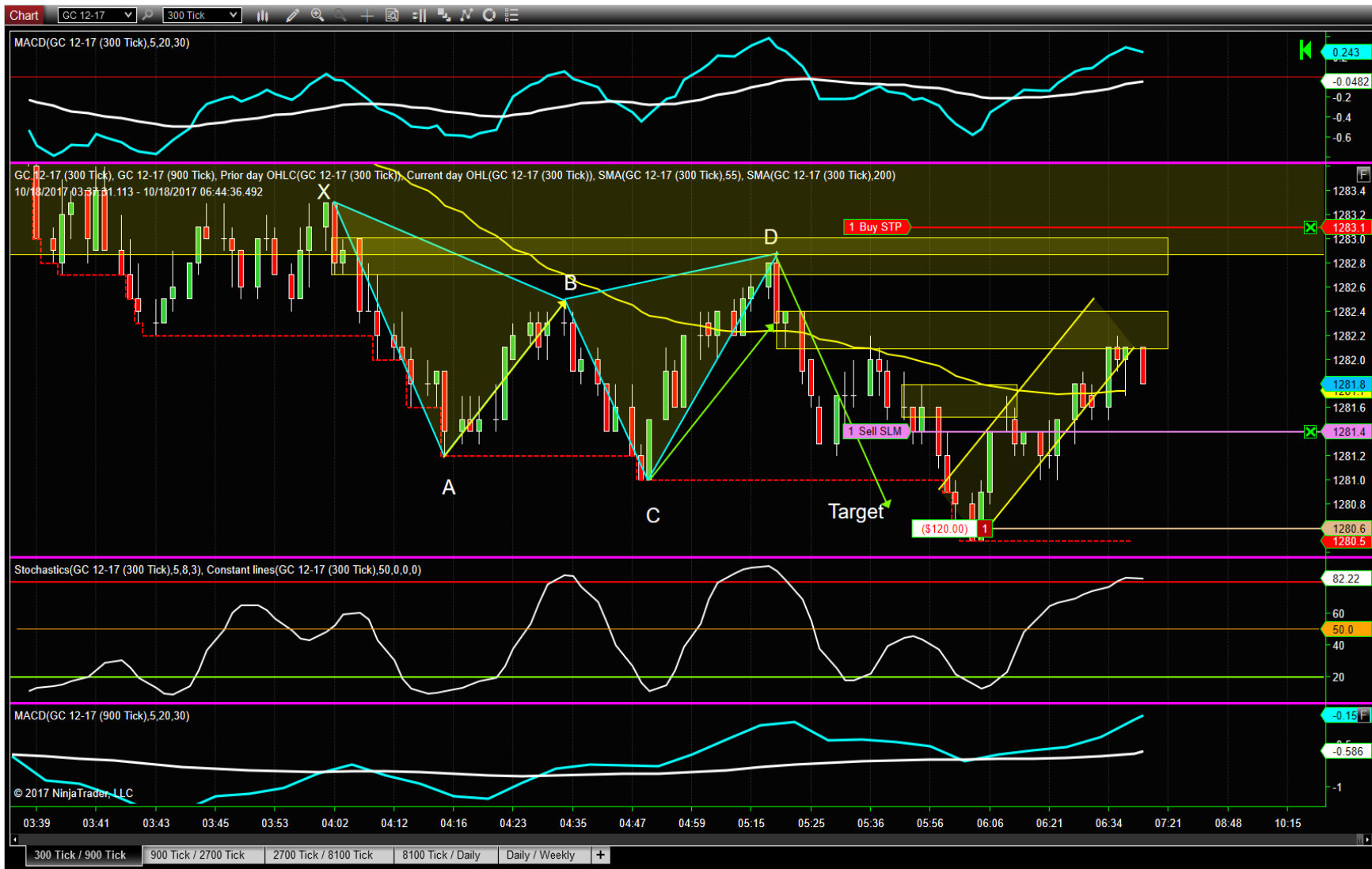


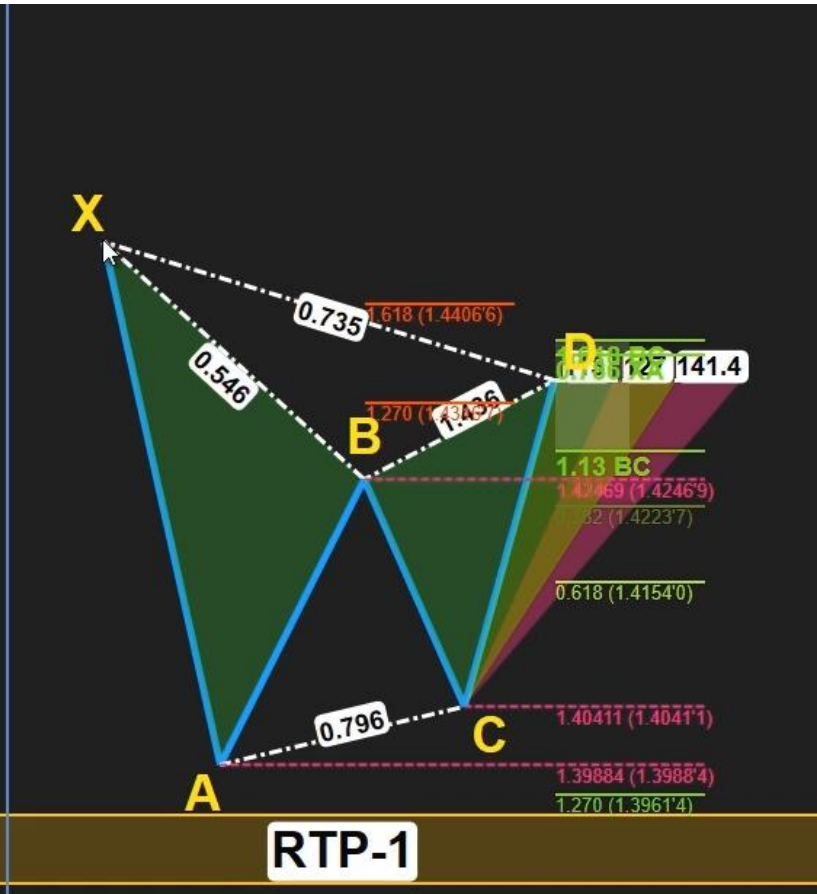
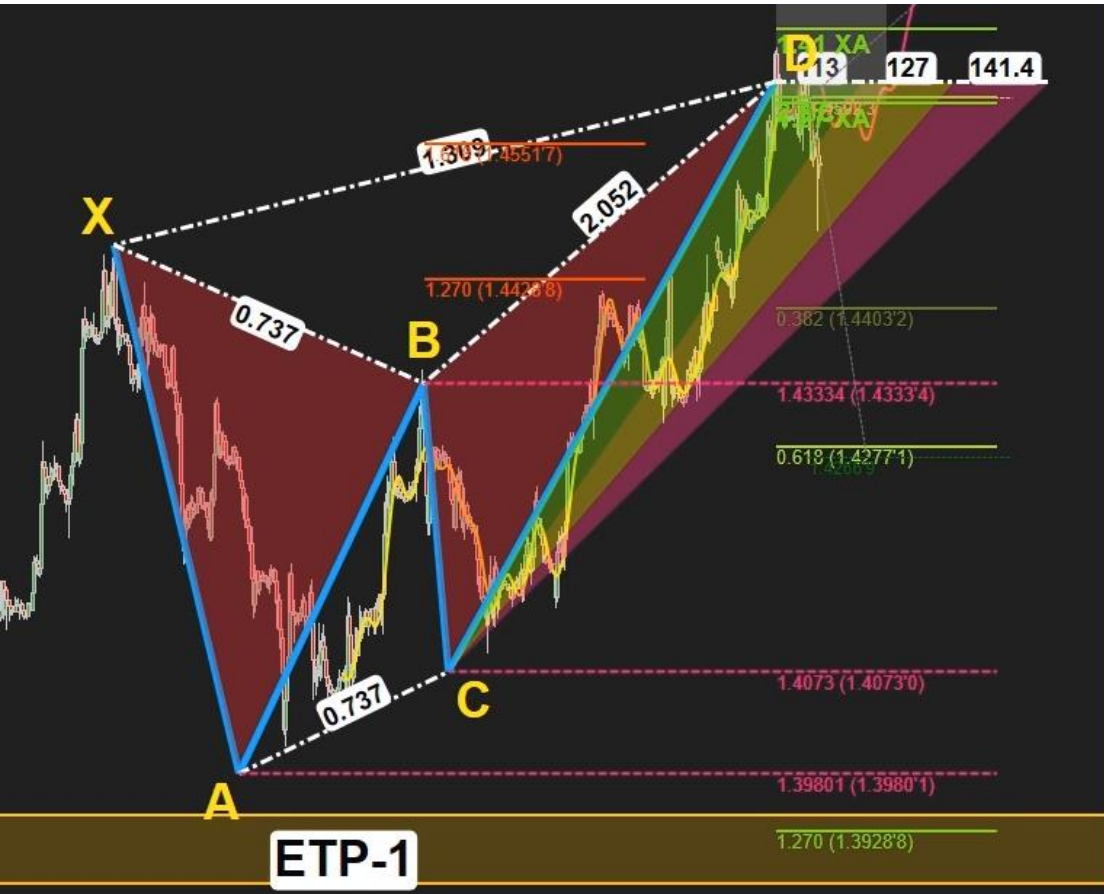


Mallistime

10:16 AM

gold, for the last 3 years has
down trend sept.oct.nov.dec. and
big up trend jan.feb. so, is this
year the same?





Extention Patterns

Retracement Patterns



Patterns Point

- “X” and “A” points are the mayor higher or lower point in the market.
- RTP – Retracement Pattern
- ETP – Extended Pattern
- How long is going to take this pattern to reverse and hit a target:
 - How many bar are between “X” and “D” bars
 - $(X-D)/3$ = How many bars will take to hit the target.
 - $(300-120)=180/3=60$ (If each bar is 5 minutes, this trade will take $60*5= 300$ minutes / 60 = 5 hours.
- How long is going to take this pattern to reverse
 - Help us to move Stops and/or reduce our risk
 - $((X-D)/3)/2$ = How many bars will take to hit the target.
 - $(300-120)=180/3=60/2 = 30$ (if each bar is 5 minutes, we could move our stop in $30*5=150$ minutes / 60 = 2 ½ hours.







ETP-2

GOLD / US DOLLAR, 240, FX_IDC



TO A TARGET

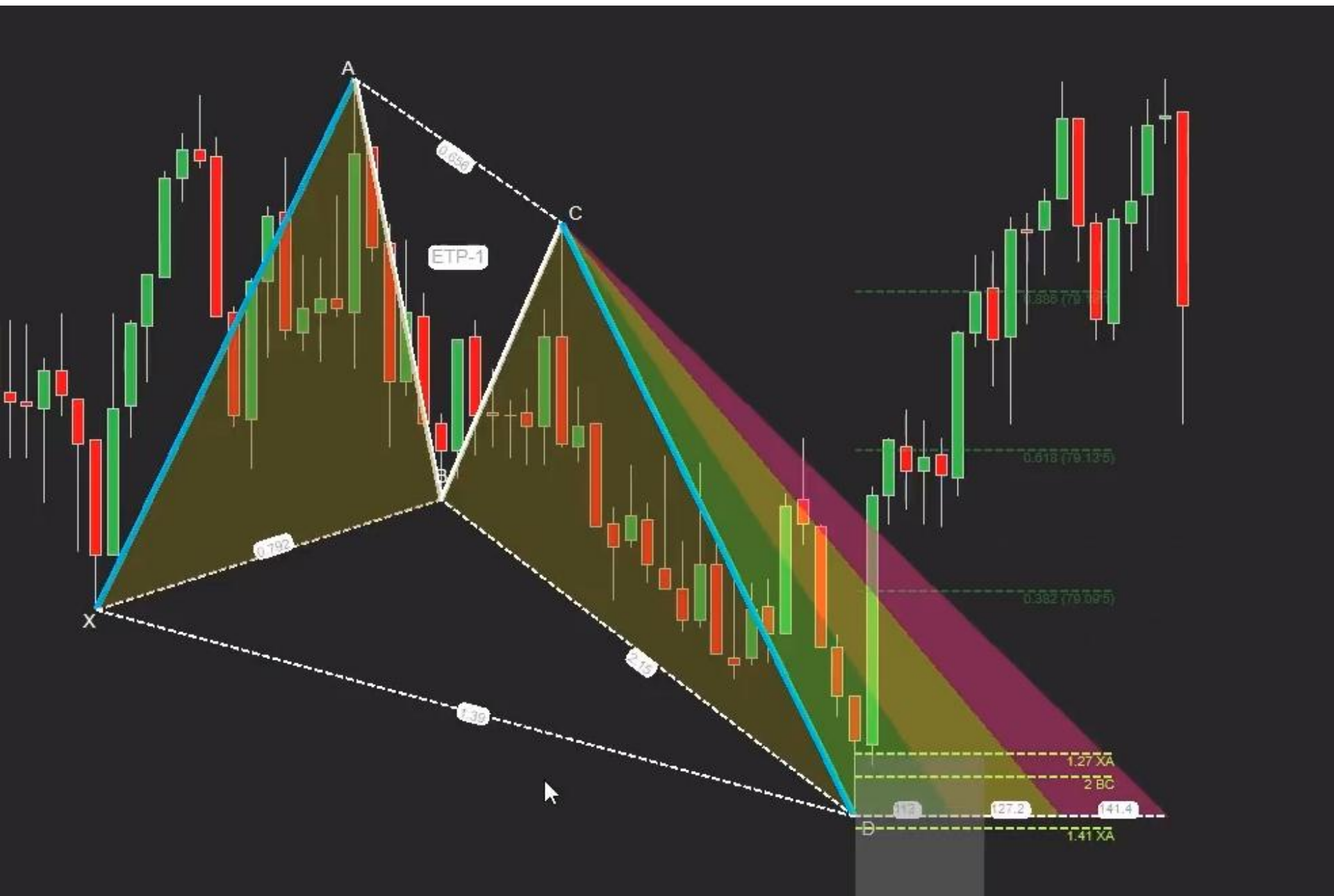
■ # OF BARS (BETWEEN "X" AND "D" / 3)

0.886 (113.065)

JUST TO REVERSE

■ # OF BARS (BETWEEN X AND D) / 3 / 2

0.718 (112.848)





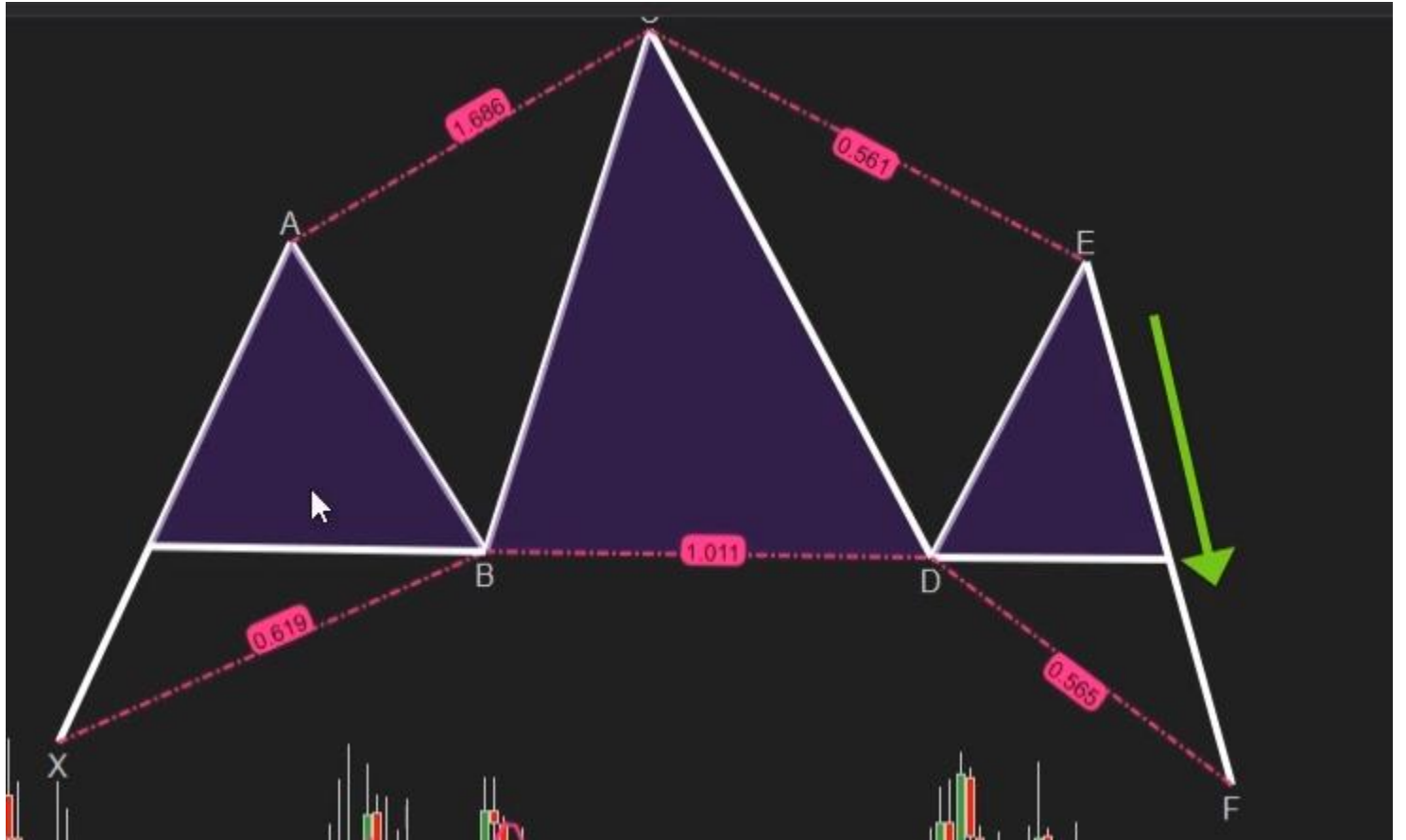
Quality Patterns Rules

- The length between “X” point and “D” point must be 30 or more bars.
- See it with your own eyes the pattern.
- Angles from “X” to “A” need to be greater than 45 degrees. We are looking for strong moves.

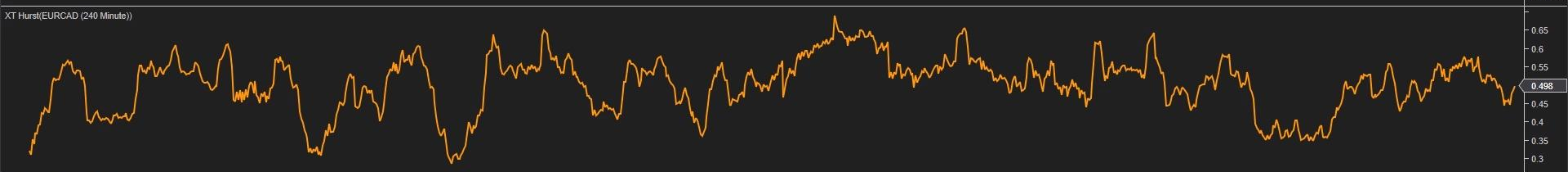
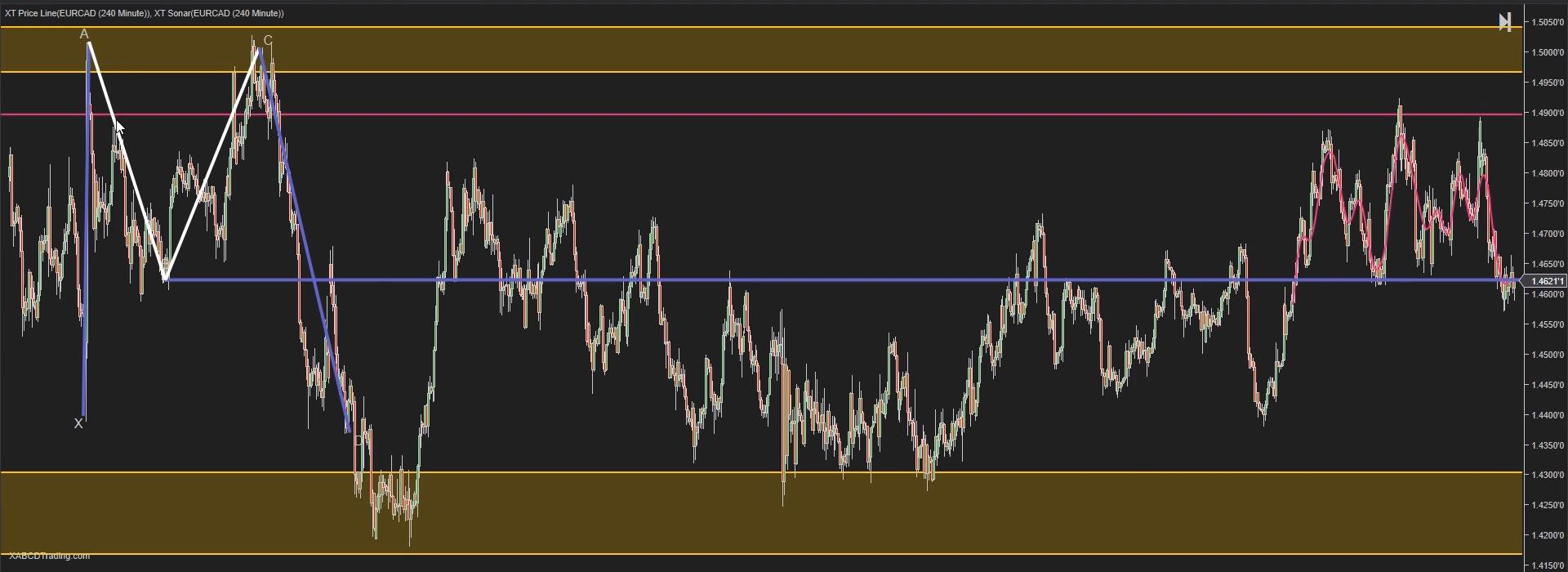


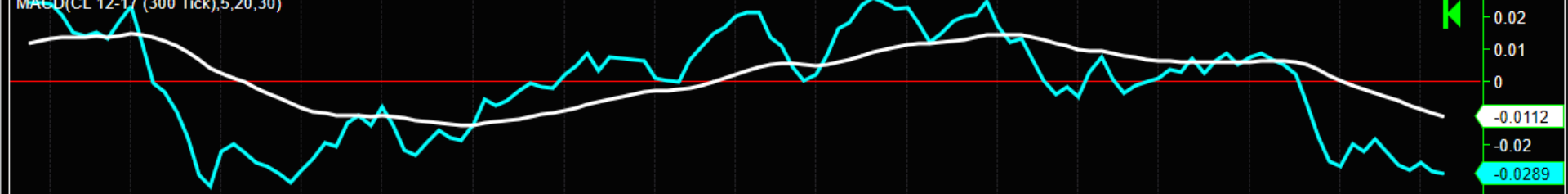
- Any pattern that fit the ratios of a pattern, is a valid pattern to trade.....**False**
- The b point can never be used as a first target....**False**
- We never want to enter at the D point...**False**
- A stop should be in a position where you learn something from the market. Eg, the pattern is broken, the range is broken and there is no way I want to be in it....**True**
- Scaling trades will hurt you because it will cause you to be too emotional when trading...**False**
- We want to look at the strength of direction of the sonar wave to help us determine if we use leverage in our trades?...**True**
- If a reading of the **HURST** is above 0.5 and high it means we will see persistent data.
True
- If a great pattern forms and “**HURST**” shows a lot of persistence do we still take the trade?
Yes
- A trade at 100% structure should be taken no matter what.
False
- A pattern should be at least 30 bars to help determine higher probability.
True





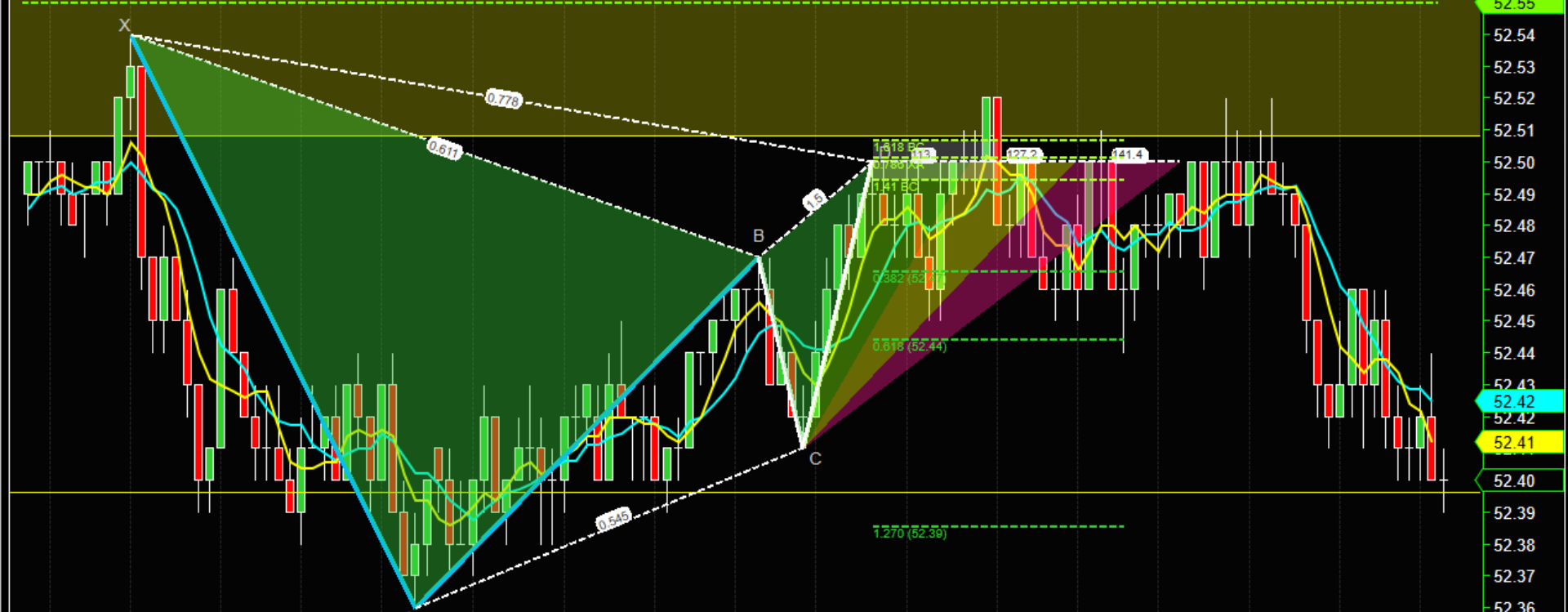




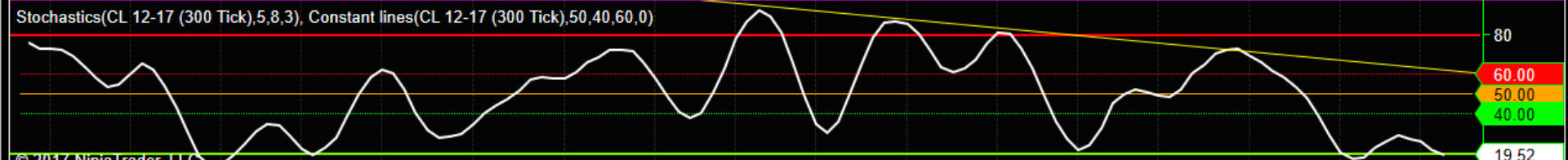


Prior day OHLC(CL 12-17 (300 Tick)), Current day OHL(CL 12-17 (300 Tick)), SMA(CL 12-17 (300 Tick),8), SMA(CL 12-17 (300 Tick),5), XABCD Trading V6(CL 12-17 (300 Tick))

10/24/2017 11:15:06.921 - 10/24/2017 13:27:17.953

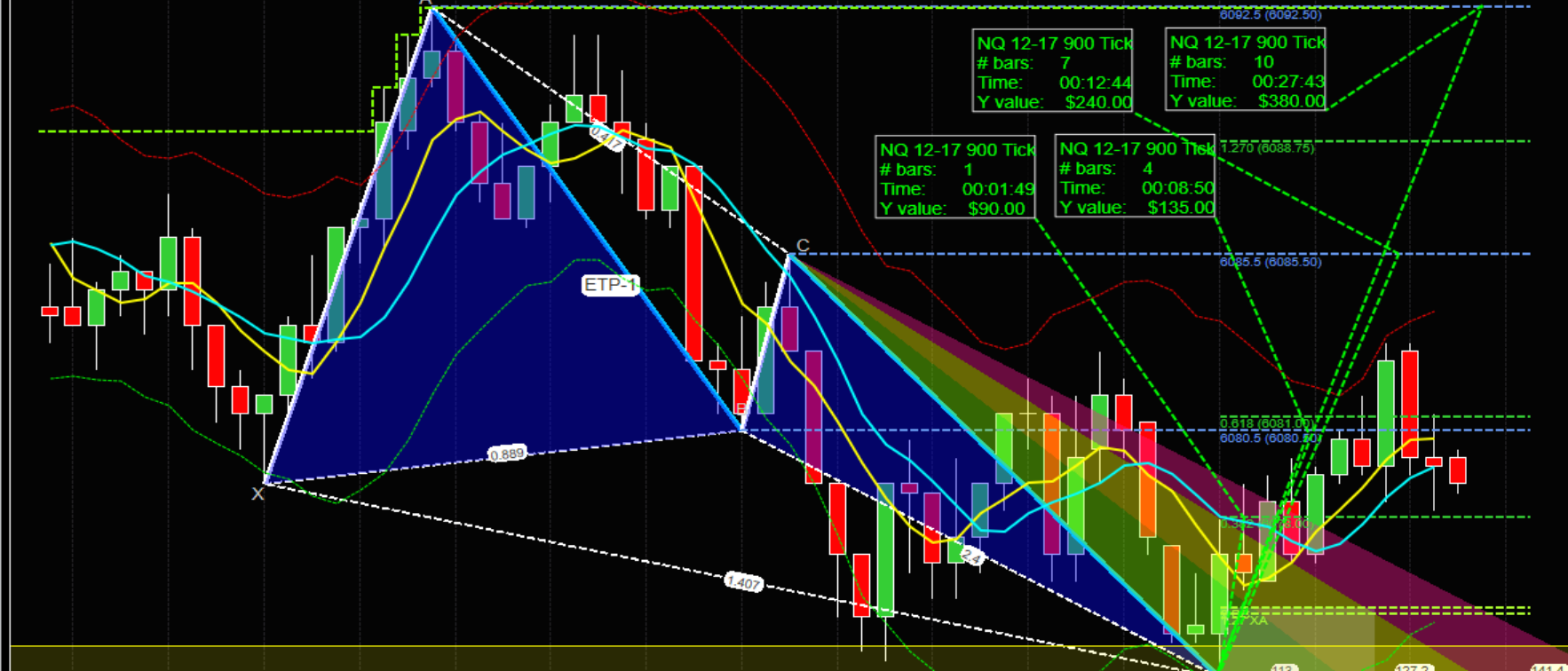


Stochastics(CL 12-17 (300 Tick),5,8,3), Constant lines(CL 12-17 (300 Tick),50,40,60,0)



MAGD(NQ 12-17 (900 Tick),5,20,30)

Prior day OHLC(NQ 12-17 (900 Tick)), Current day OHL(NQ 12-17 (900 Tick)), SMA(NQ 12-17 (900 Tick),5), Keltner channel(NQ 12-17 (900 Tick),1.5,8), XABCD Trading V6(NQ 12-17 (900 Tick))
10/24/2017 11:10:52.800 - 10/24/2017 15:14:59.902



NQ 12-17 900 Tick
bars: 7
Time: 00:12:44
Y value: \$240.00

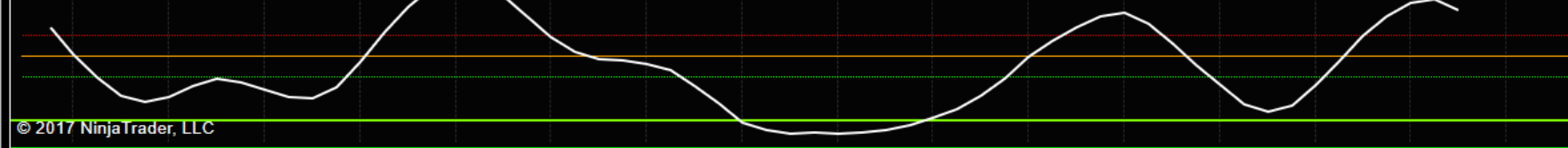
NQ 12-17 900 Tick
bars: 10
Time: 00:27:43
Y value: \$380.00

NQ 12-17 900 Tick
bars: 1
Time: 00:01:49
Y value: \$90.00

NQ 12-17 900 Tick
bars: 4
Time: 00:08:50
Y value: \$135.00

Bullish ETP-1, Bars: 41, Reward: 26, Risk: 6, RvR: 4.33

Stochastics(NQ 12-17 (900 Tick),5,8,3), Constant lines(NQ 12-17 (900 Tick),50,40,60,0)



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MACD(GC 12-17 (2700 Tick),5,20,30)

Prior day OHLC(GC 12-17 (2700 Tick)), Current day OHL(GC 12-17 (2700 Tick)), SMA(GC 12-17 (2700 Tick),5), Keltner channel(GC 12-17 (2700 Tick),1.5,8), XABCD Trading V6(GC 12-17 (2700 Tick))

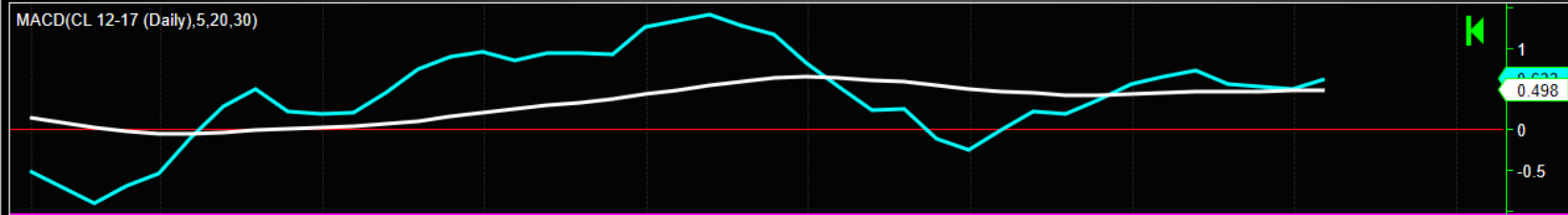


Bullish RTP-1, Bars: 20, Reward: 15, Risk: 3, RvR: 5.00

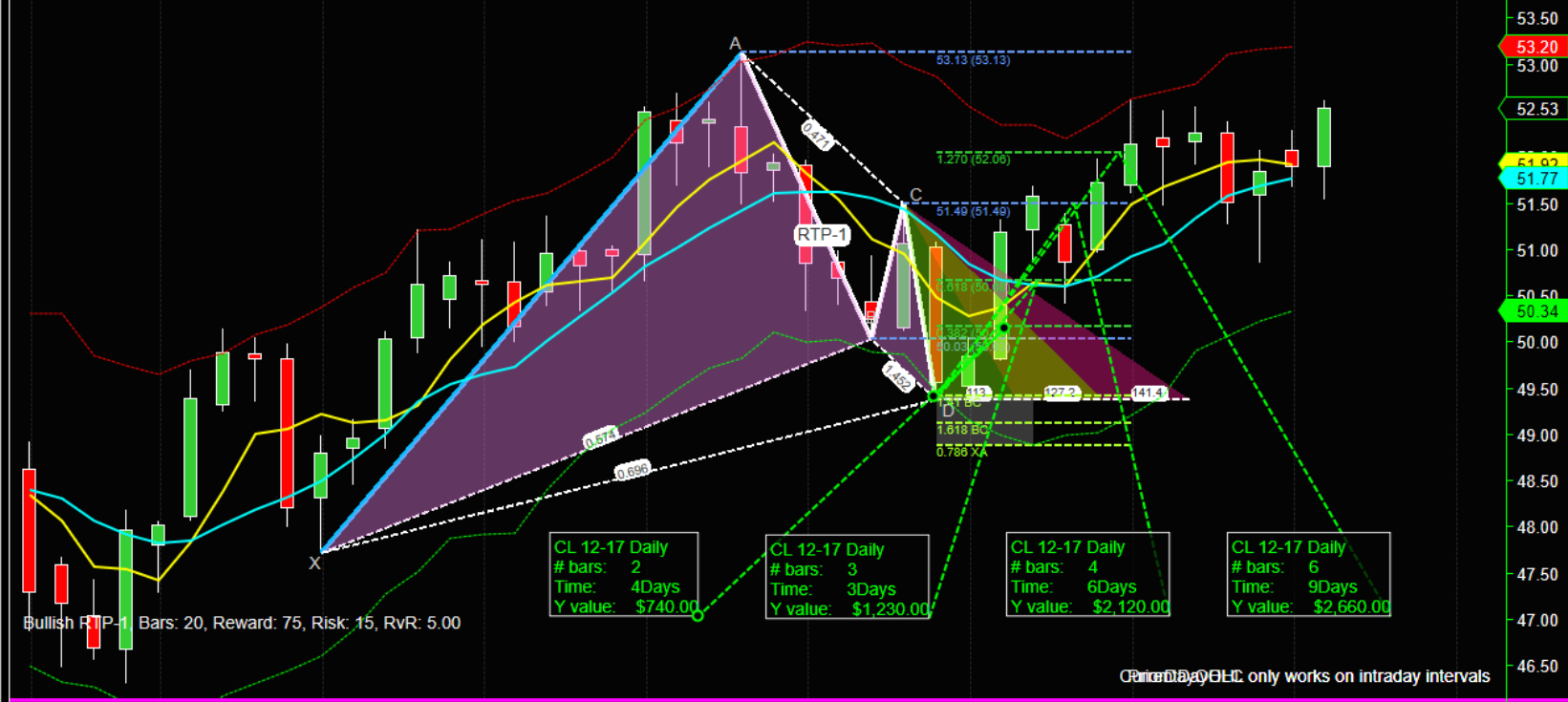
81(X&D) / 3=27 bars to hit target

Stochastics(GC 12-17 (2700 Tick),5,8,3), Constant lines(GC 12-17 (2700 Tick),50,40,60,0)

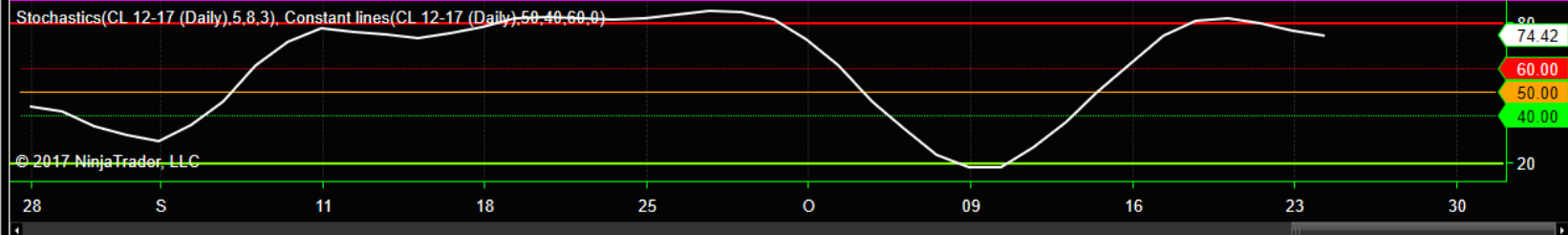




Prior day OHLC(CL 12-17 (Daily)), Current day OHLC(CL 12-17 (Daily)), SMA(CL 12-17 (Daily),5), Keltner channel(CL 12-17 (Daily),1.5,8), XABCD Trading V6(CL 12-17 (Daily))
8/28/2017 - 10/24/2017



- CL 12-17 Daily # bars: 2 Time: 4Days Y value: \$740.00
- CL 12-17 Daily # bars: 3 Time: 3Days Y value: \$1,230.00
- CL 12-17 Daily # bars: 4 Time: 6Days Y value: \$2,120.00
- CL 12-17 Daily # bars: 6 Time: 9Days Y value: \$2,660.00



Buy Mkt Sell Mkt
Buy Ask Sell Ask
Buy Bid Sell Bid
Rev Close
Flat Entry

PnL

Instrument TIF
CL 12-17 DAY
Account Order qty
Roel Lopez IRA!... 2

ATM Strategy
2 Cont Stop=10 - Targ...

A: 52.56 2
B: 52.51 2

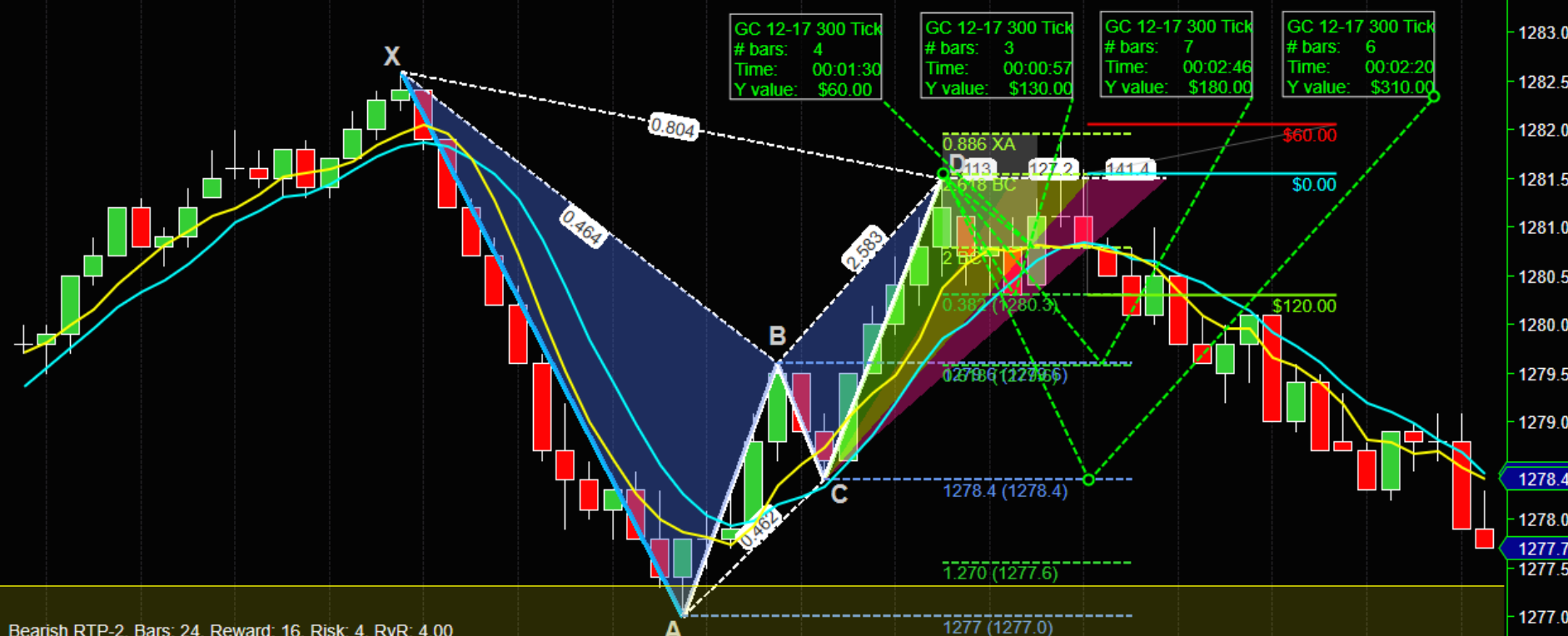
53.50
53.20
53.00
52.53
51.77
51.50
51.00
50.50
50.34
50.00
49.50
49.00
48.50
48.00
47.50
47.00
46.50
80
74.42
60.00
50.00
40.00

MACD(GC 12-17 (300 Tick),5,20,30)

1
-0.227
-0.849

Prior day OHLC(GC 12-17 (300 Tick)), Current day OHL(GC 12-17 (300 Tick)), SMA(GC 12-17 (300 Tick),8), SMA(GC 12-17 (300 Tick),5), XABCD Trading V6(GC 12-17 (300 Tick))
10/24/2017 13:49:49.296 - 10/24/2017 14:36:29.523

1283.6
1283.5



1283.0
1282.5
1282.0
1281.5
1281.0
1280.5
1280.0
1279.5
1279.0
1278.4
1278.0
1277.5
1277.0
1276.5

Bearish RTP-2, Bars: 24, Reward: 16, Risk: 4, RvR: 4.00

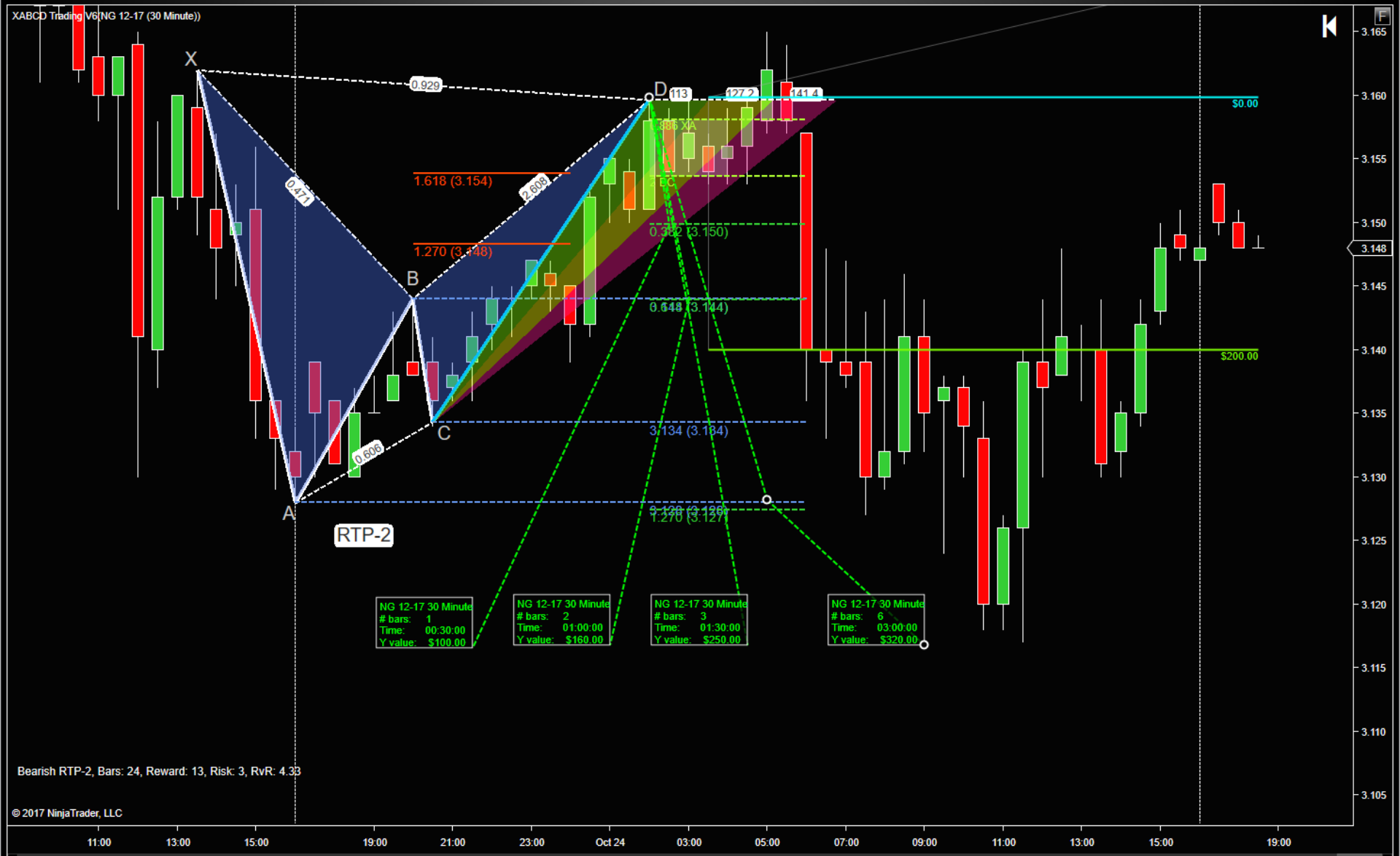
RTP-2

Stochastics(GC 12-17 (300 Tick),5,8,3), Constant lines(GC 12-17 (300 Tick),50,40,60,0)

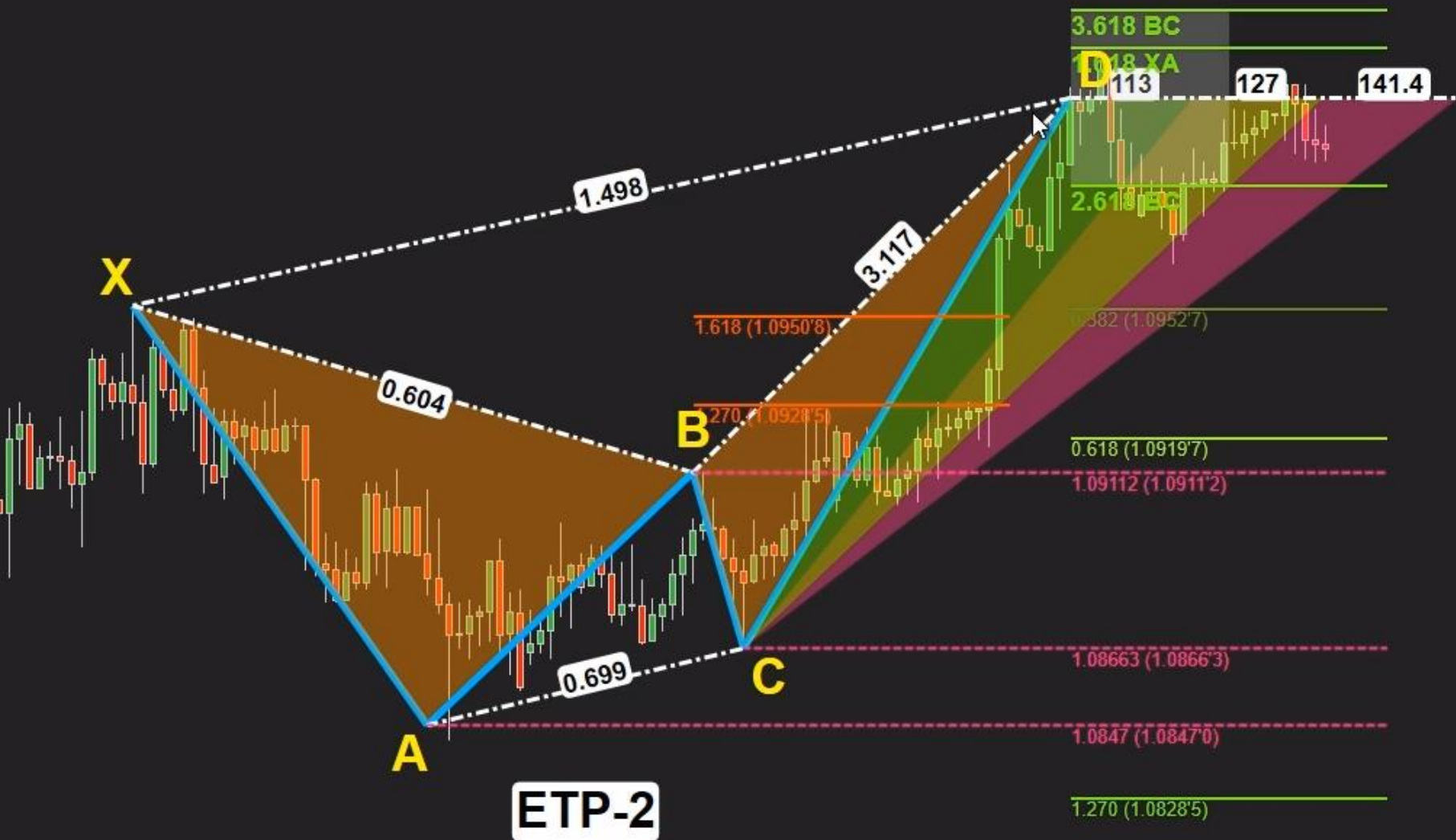
80
60.0
50.0
40.0
20
0

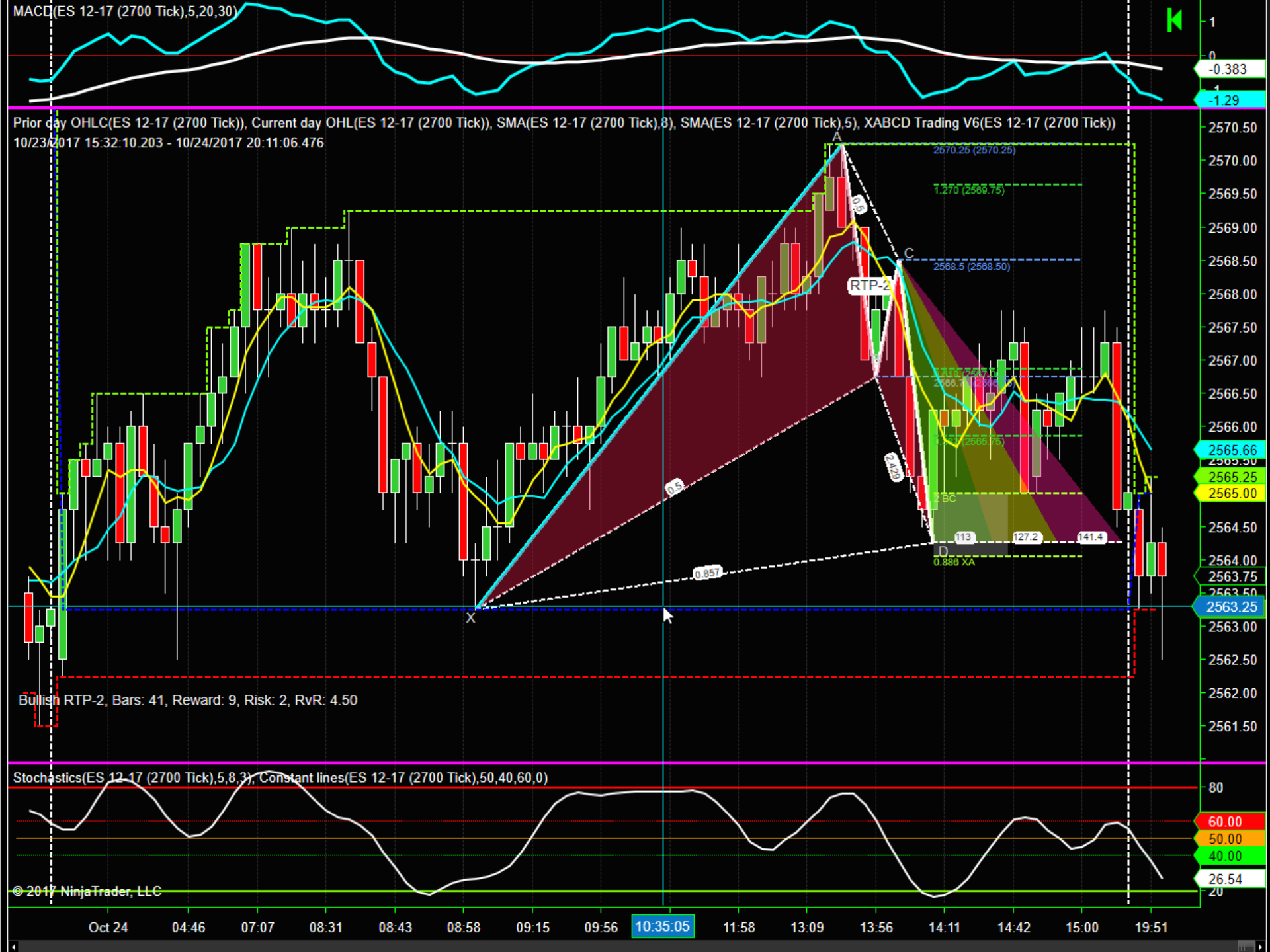
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13:51 13:53 13:56 14:01 14:05 14:05 14:05 14:06 14:06 14:07 14:08 14:09 14:13 14:19 14:25 14:34



Bearish RTP-2, Bars: 24, Reward: 13, Risk: 3, RvR: 4.33





MACD(ES 12-17 (2700 Tick),5,20,30)

Prior day OHLC(ES 12-17 (2700 Tick)), Current day OHL(ES 12-17 (2700 Tick)), SMA(ES 12-17 (2700 Tick),8), SMA(ES 12-17 (2700 Tick),5), XABCD Trading V6(ES 12-17 (2700 Tick))

10/23/2017 15:32:10.203 - 10/24/2017 20:11:06.476

Bullish RTP-2, Bars: 41, Reward: 9, Risk: 2, RvR: 4.50

Stochastics(ES 12-17 (2700 Tick),5,8,3), Constant lines(ES 12-17 (2700 Tick),50,40,60,0)

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Oct 24 04:46 07:07 08:31 08:43 08:58 09:15 09:56 10:35:05 11:58 13:09 13:56 14:11 14:42 15:00 19:51

1
0
-0.383
-1.29
2570.50
2570.00
2569.50
2569.00
2568.50
2568.00
2567.50
2567.00
2566.50
2566.00
2565.66
2565.50
2565.25
2565.00
2564.50
2564.00
2563.75
2563.50
2563.25
2563.00
2562.50
2562.00
2561.50
80
60.00
50.00
40.00
26.54
20

Exchange	Select	Monthly Fee	Included Markets
CME	<input type="checkbox"/>	\$7	ES, NQ, 6E, RTY
CBOT	<input type="checkbox"/>	\$7	YM, ZN, ZB
NYMEX	<input type="checkbox"/>	\$7	CL, NG
COMEX	<input type="checkbox"/>	\$7	GC, SI
CME Bundle	<input checked="" type="checkbox"/>	\$21	All CME Markets
EUREX	<input type="checkbox"/>	\$23	FDAX, FGBL
ICE US	<input type="checkbox"/>	\$117	TF, DX
ICE EU Commodities	<input type="checkbox"/>	\$117	BRN
ICE EU Financials	<input type="checkbox"/>	\$117	Z-FTSE
CFE	<input type="checkbox"/>	\$13	VX

Market Internals	Select	Monthly Fee	Includes
Dow Jones & Key Indices	<input type="checkbox"/>	\$6	TICK, TRIN, DJIA
CBOE Market Data	<input type="checkbox"/>	\$8	SP500 (SPX)
NASDAQ OMX Global	<input type="checkbox"/>	\$7	NASDAQ

MACD(NG 12-17 (8100 Tick),5,20,30)

0.04
0.02
0.0113
-0.00251
-0.02
-0.04

SMA(NG 12-17 (8100 Tick),8), SMA(NG 12-17 (8100 Tick),5), XABCD Trading V6(NG 12-17 (8100 Tick))
9/28/2017 11:07:30.230 - 10/25/2017 07:31:46.789



Bearish RTP-1, Bars: 37, Reward: 40, Risk: 8, RvR: 5.00

Stochastics(NG 12-17 (8100 Tick),5,8,3), Constant lines(NG 12-17 (8100 Tick),50,40,60,0)

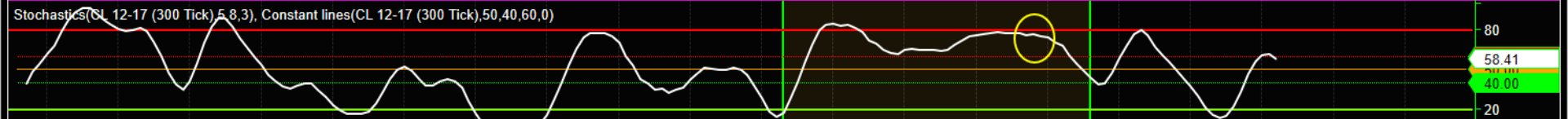
80
60.000
50.000
40.000
30.64
20

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Sep 29 Oct 2 Oct 3 Oct 4 Oct 5 Oct 6 Oct 9 Oct 10 Oct 11 Oct 12 Oct 13 Oct 16 Oct 17 Oct 18 Oct 19 Oct 20 Oct 23 Oct 24 Oct 25 Oct 26

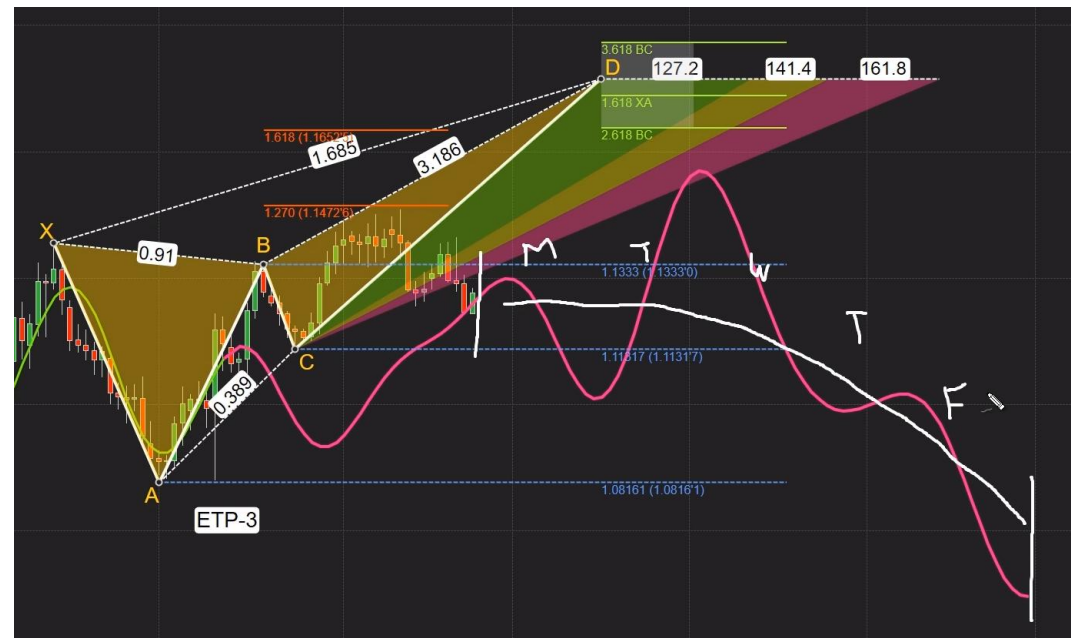


SMA(CL 12-17 (300 Tick),8), SMA(CL 12-17 (300 Tick),5), XABCD Trading V6(CL 12-17 (300 Tick))
 10/25/2017 11:26:51.890 - 10/25/2017 13:56:52.074



SONAR - Frequency wave analysis

- We need to have enough data
- From current price to the last price tell us the direction



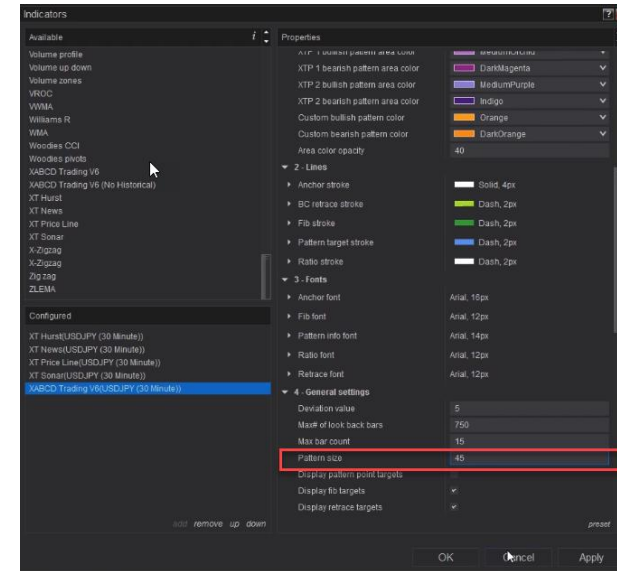
HURST Indicator

- Do not give us direction
- Scale is from 0 to 1
- Above 0.5 price keep going on the direction
- Below 0.5 we could see price reverse
- Do not tell us the entry point; it just to confirm direction or reverse.



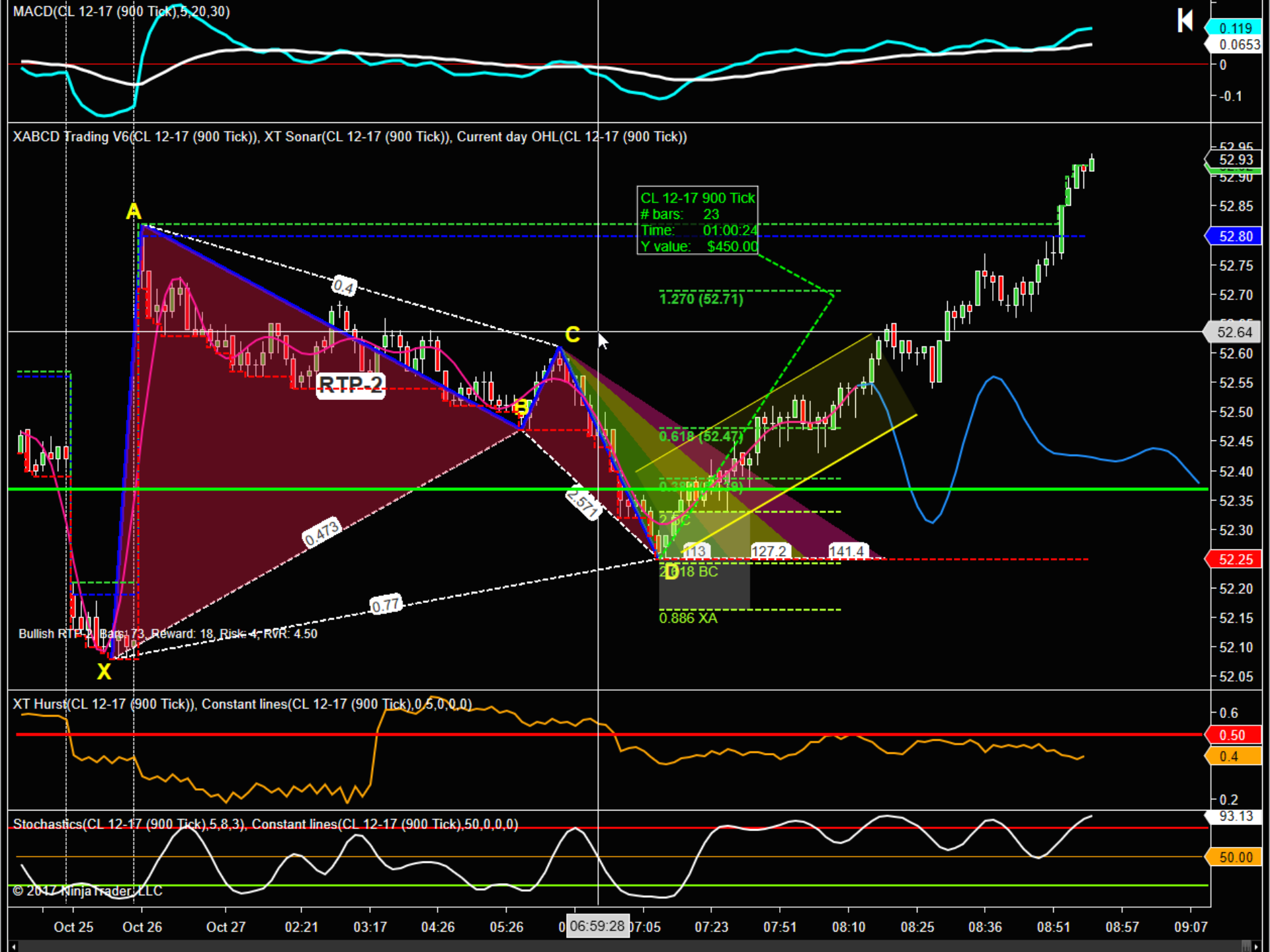
Market Analyzer

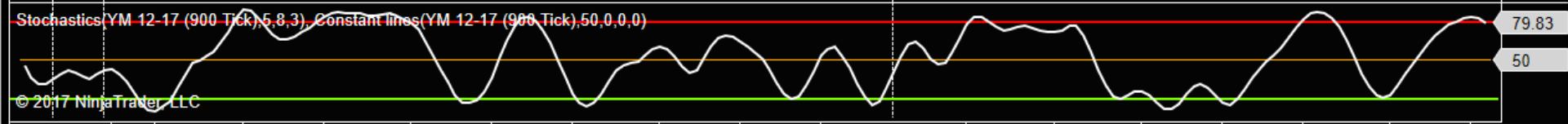
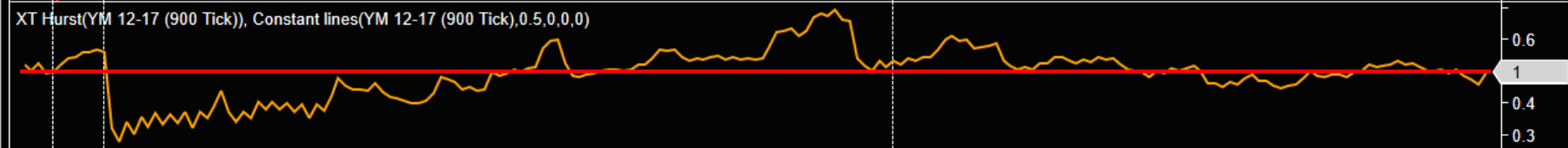
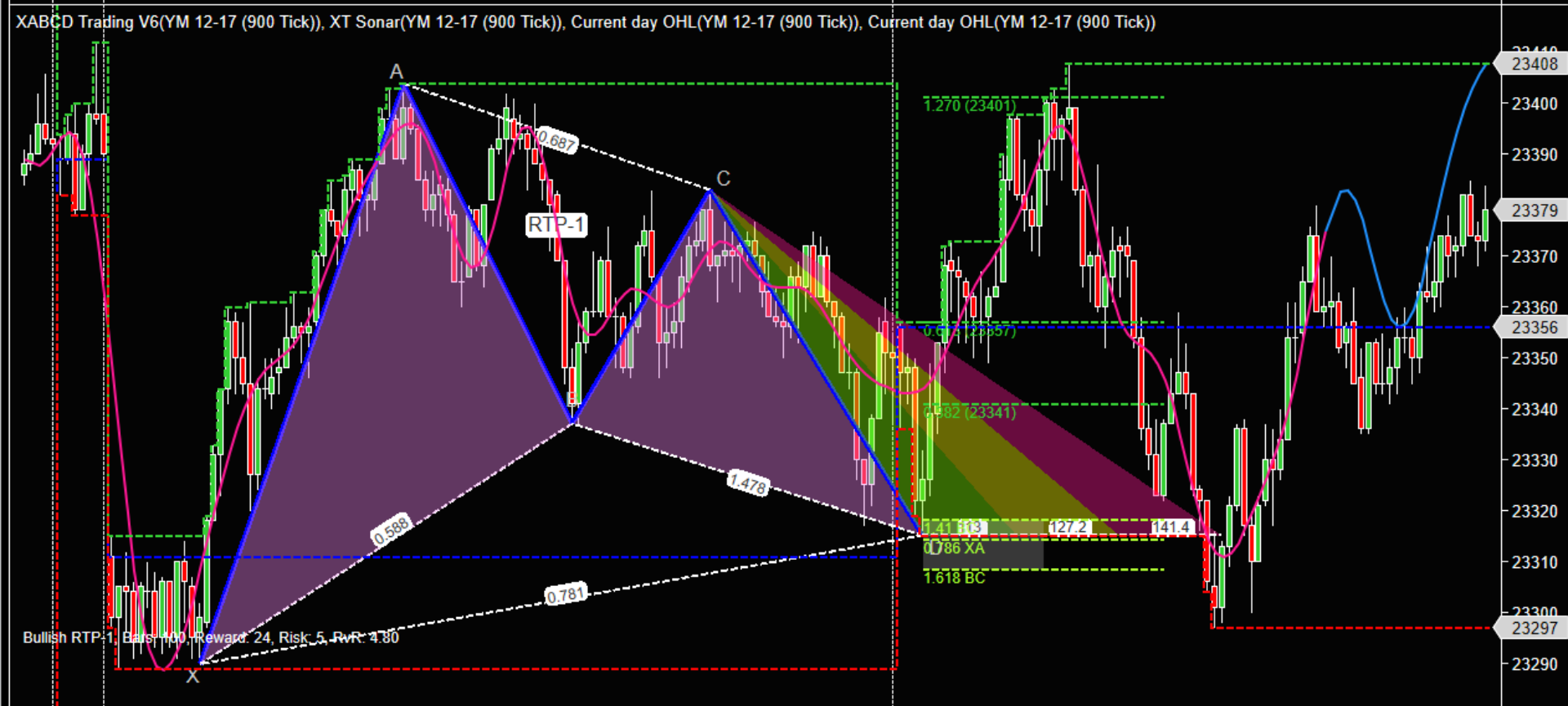
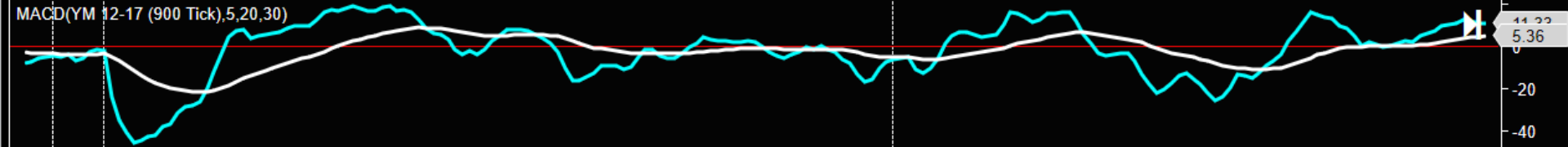
- The second is the "# of bars" from the start of the pattern to the end. We need **at least 30 bars** - here is why it's important:
<https://vimeo.com/user8316834/review/190094138/16d6458984>
- As for the third column, this is your risk vs reward. So we like to see **this number above 2**. IF we take a trade where a pattern has twice the reward over the risk then over time we only need to win 33% of the trades to breakeven... once we get to 34% we start growing :)

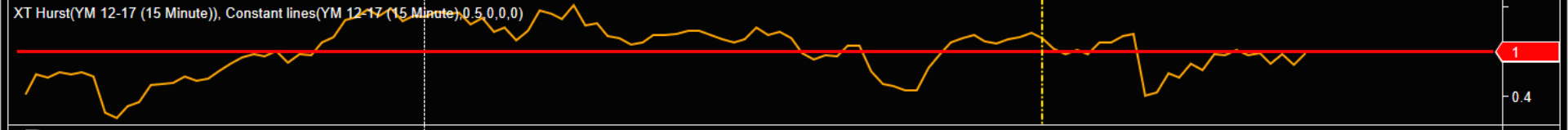
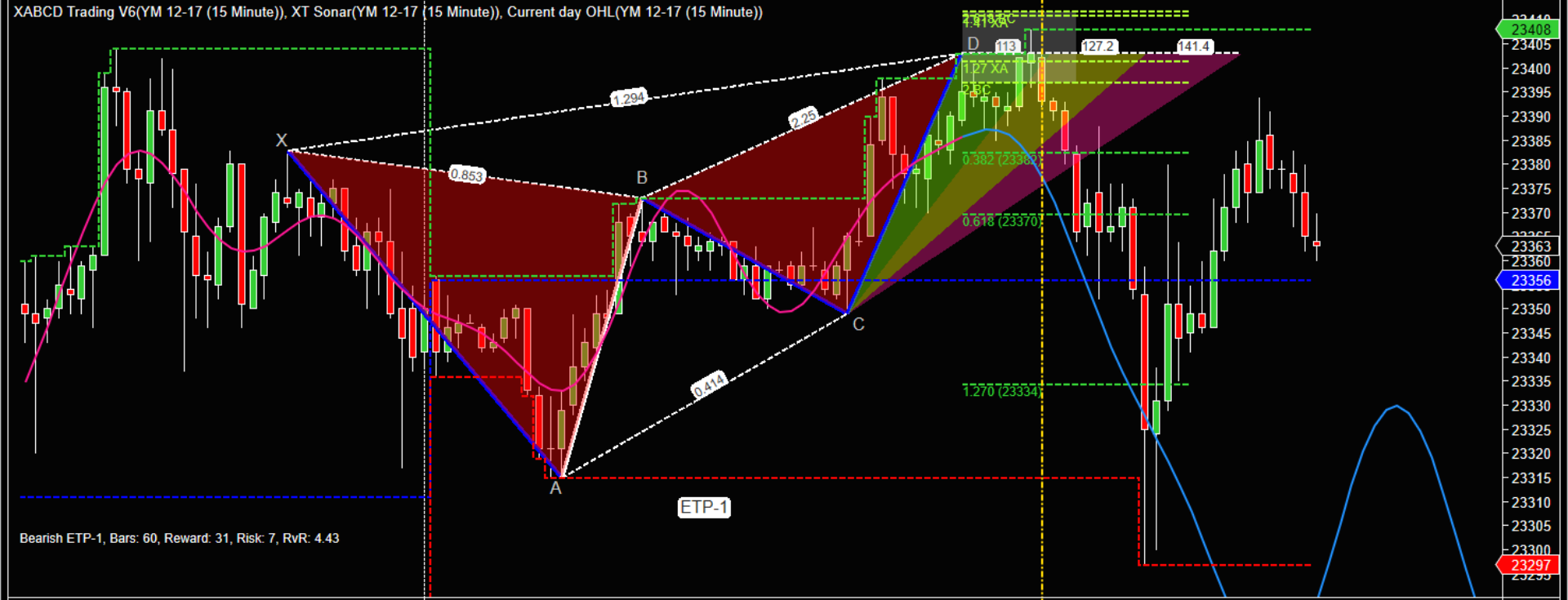
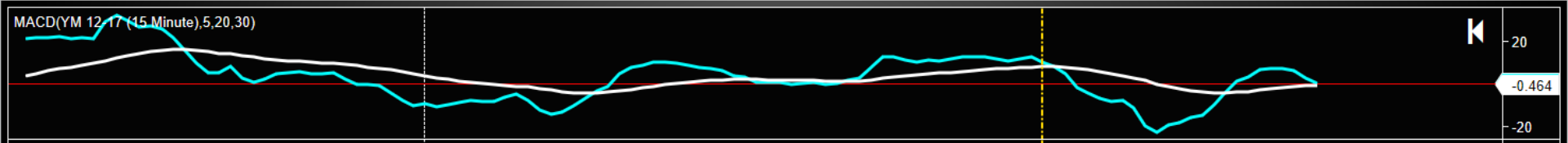


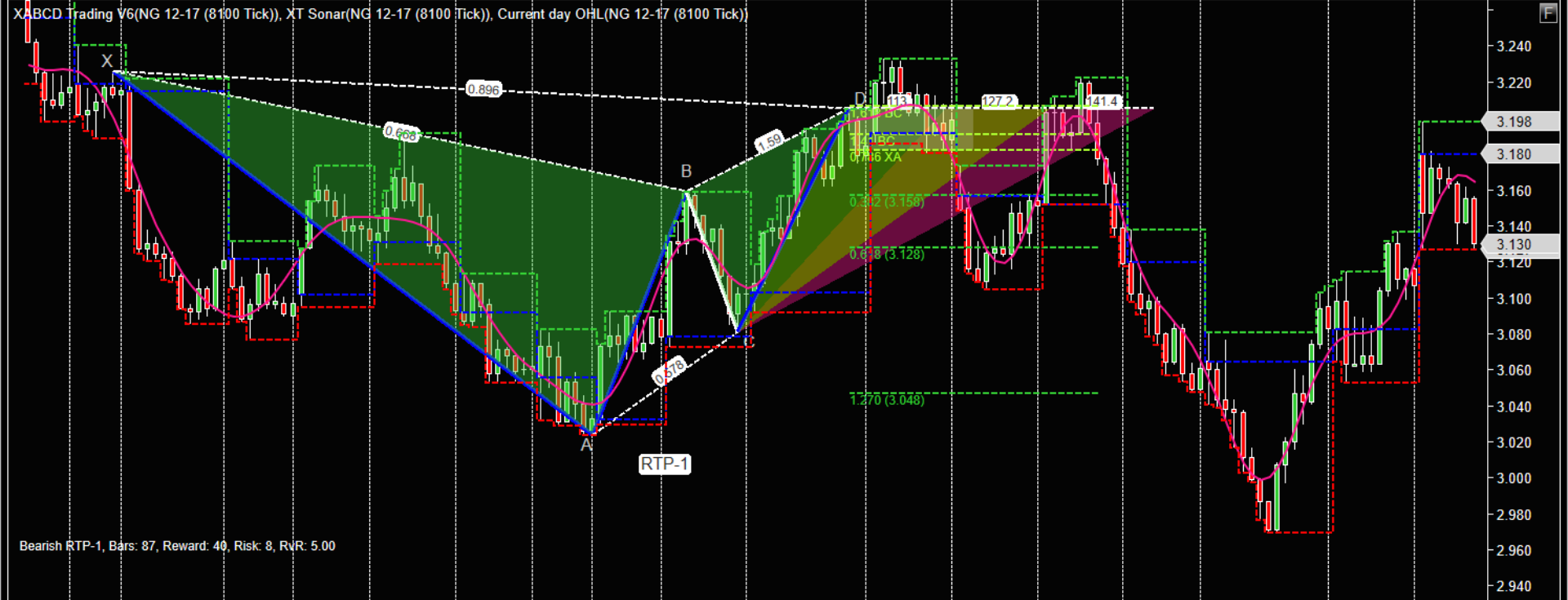
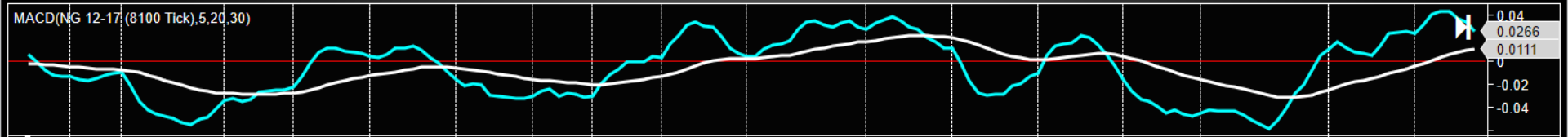
Market Analyzer

Instrument	Descriptio	Net change	ATR	900T	900T - Bar	900T - RVF	2700T	2700T - Ba	2700 - RVF
6A 12-17	Australian D	0.01 %	0.00538	-	-	-	-	-	-
6B 12-17	British Pou	0.04 %	0.0106	-	-	-	-	-	-
6C 12-17	Canadian D	0.01 %	0.00551	Bearish RTF	22	5.5	-	-	-
6E 12-17	Euro FX Fu	0.00 %	0.00687	-	-	-	Bearish ETF	53	4.12
6J 12-17	Japanese Y	0.02 %	0.0000581	-	-	-	-	-	-
CL 12-17	Crude Oil F	0.08 %	0.899	-	-	-	-	-	-

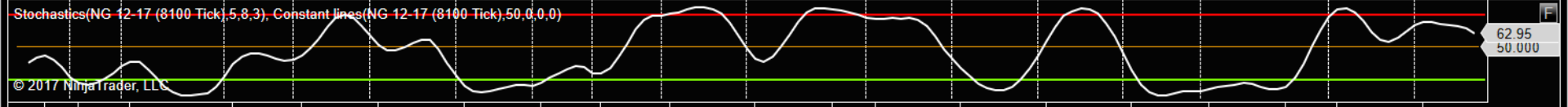
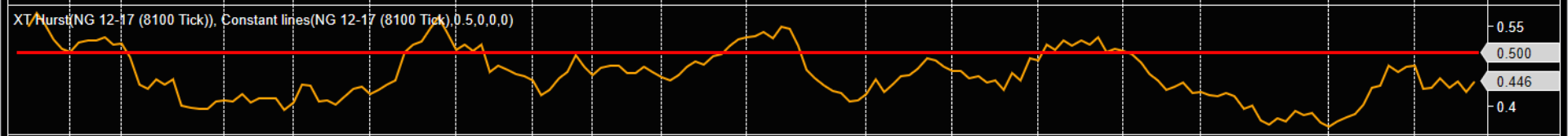


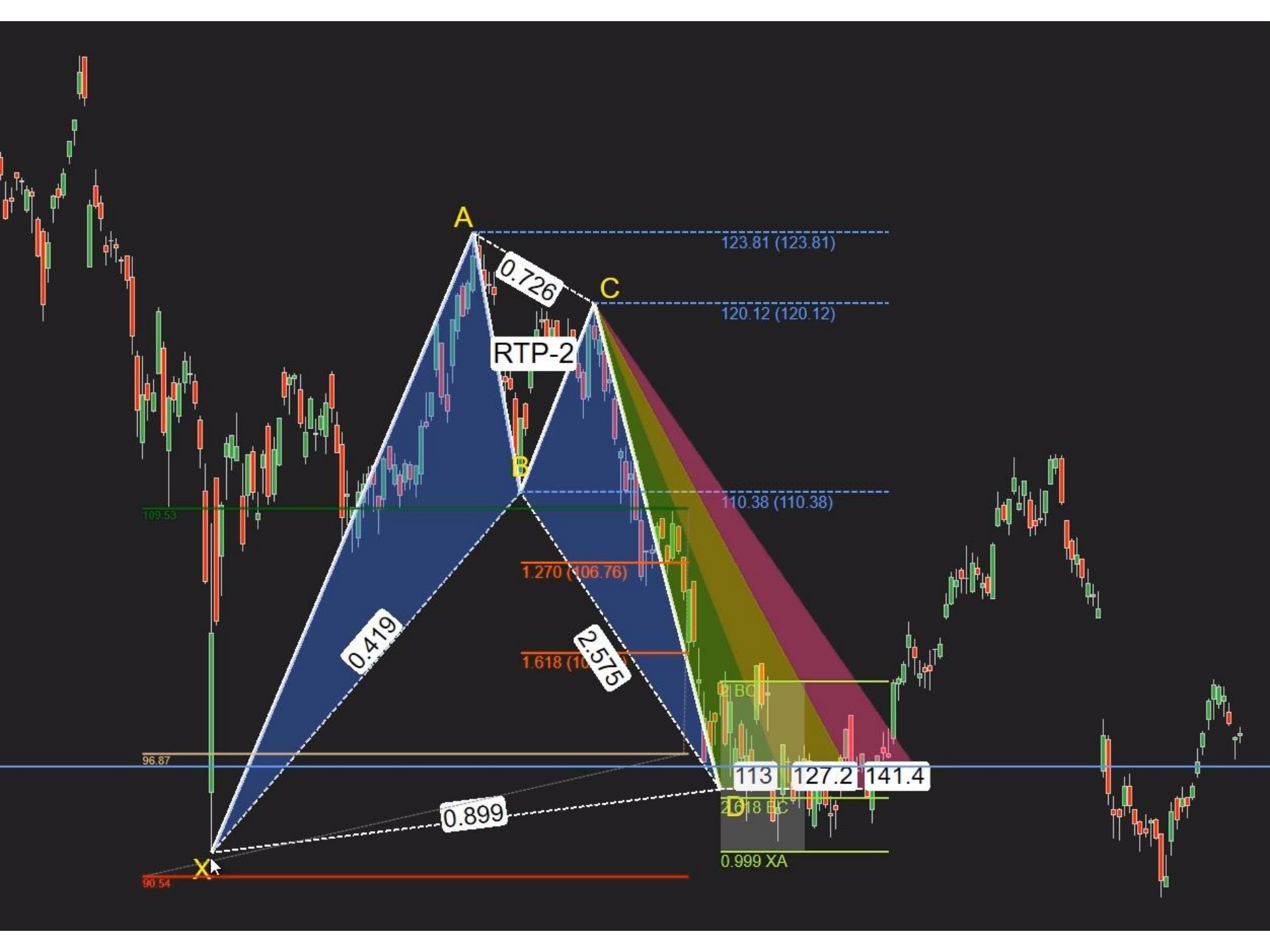


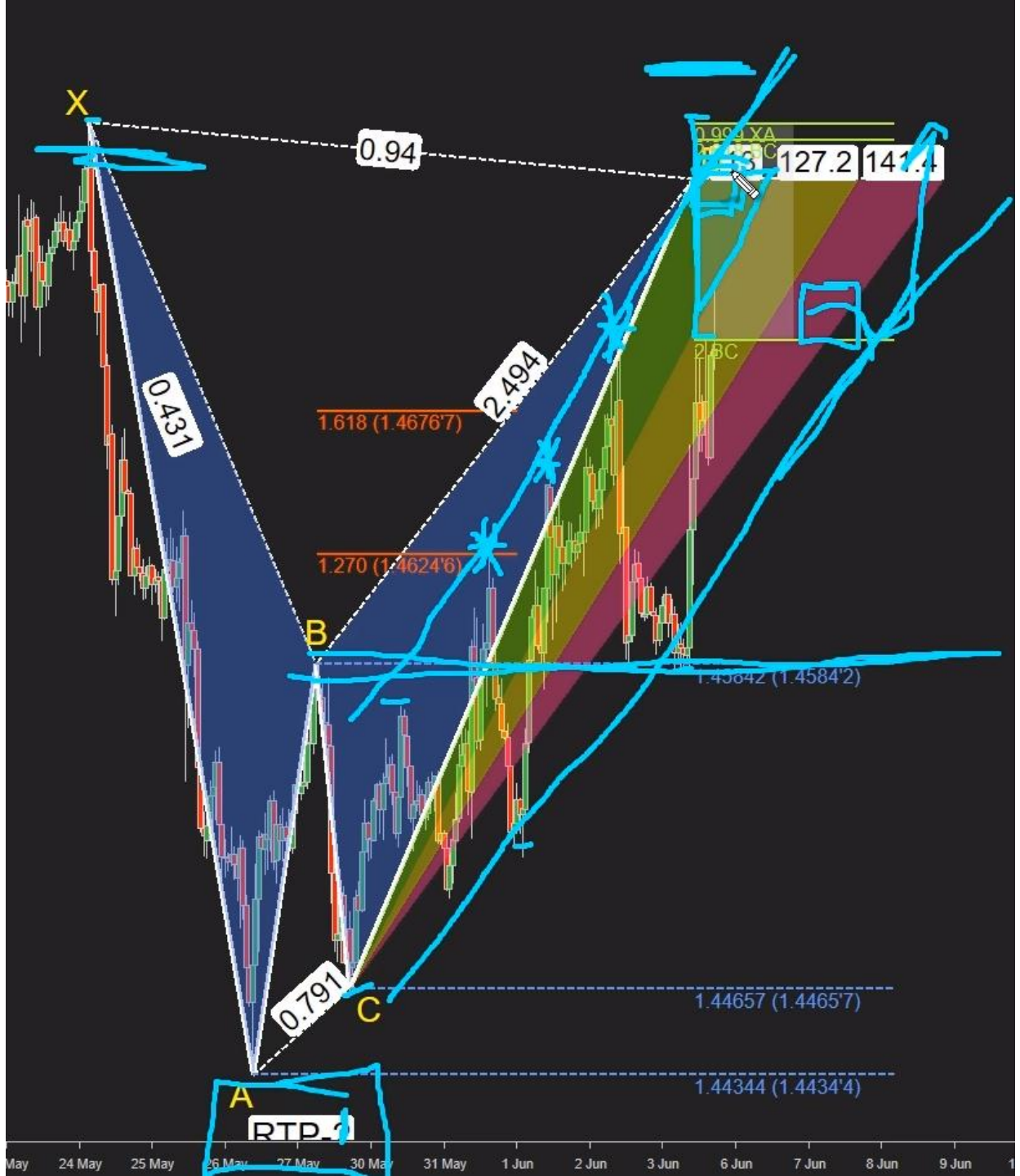


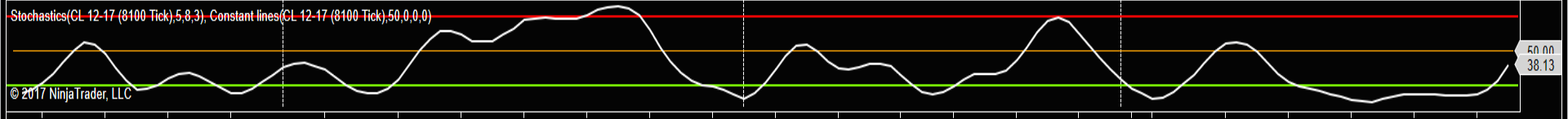
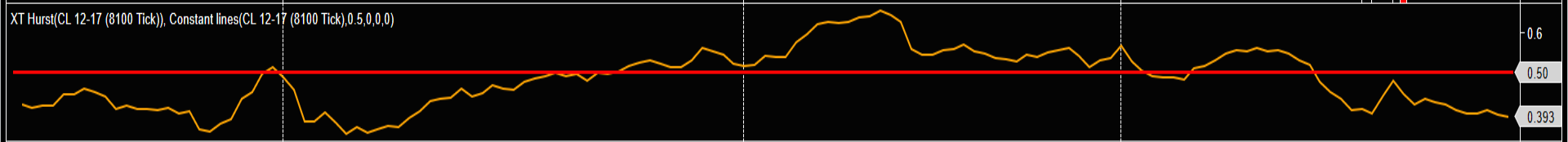
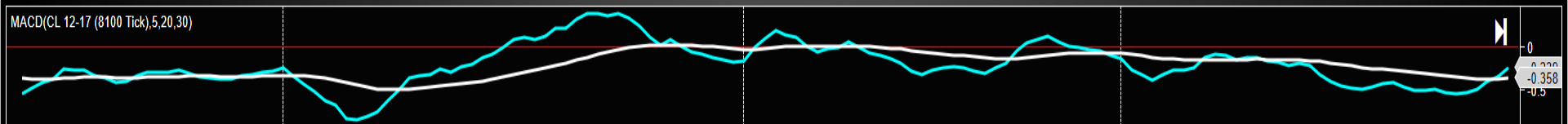


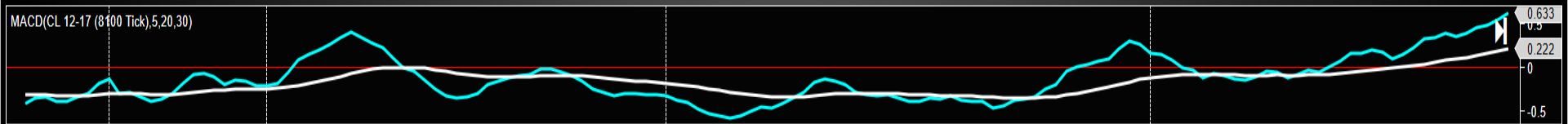
Bearish RTP-1, Bars: 87, Reward: 40, Risk: 8, RvR: 5.00





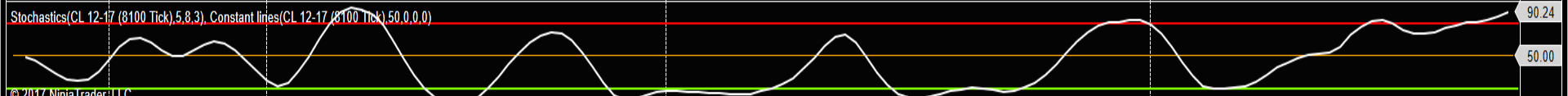
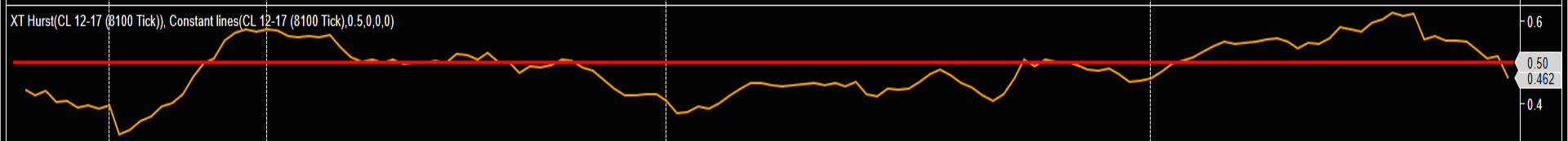


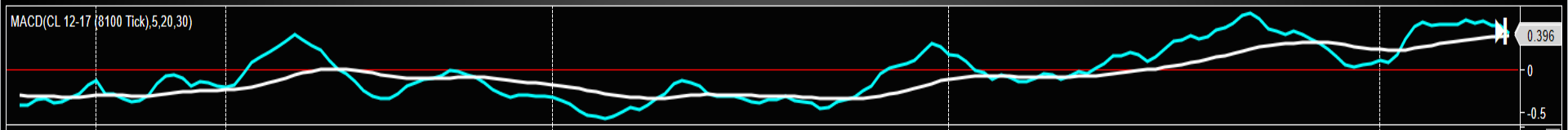




Bearish RTP-1, Bars: 73, Reward: 27, Risk: 5, RvR: 5.40

CL 12-17 8100 Tick
bars: 7
Time: 05:14:34
Y value: \$270.00



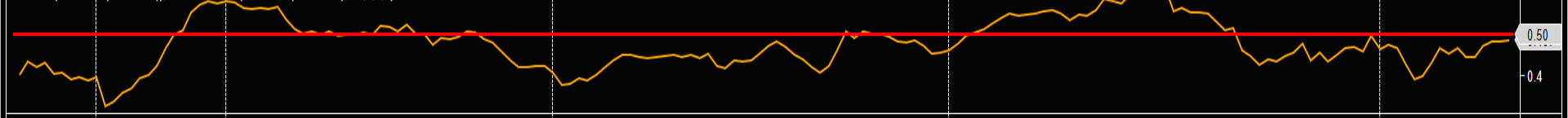


XABCD Trading V6 (CL 12-17 (8100 Tick)), XT Sonar (CL 12-17 (8100 Tick))

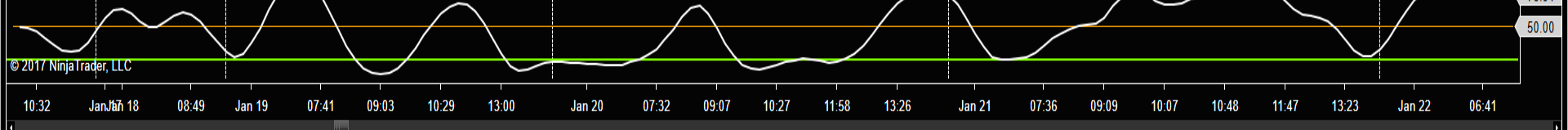


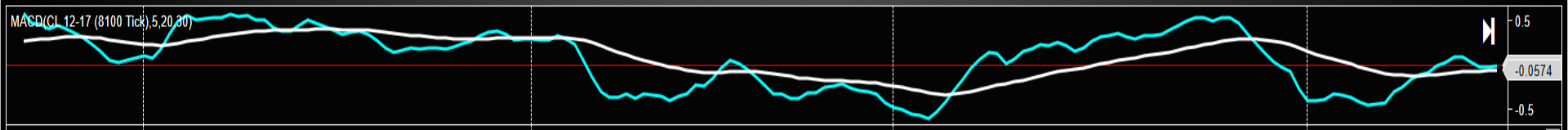
Bearish RTP-1, Bars: 73, Reward: 27, Risk: 5, R/R: 5.40

XT Hurst (CL 12-17 (8100 Tick)), Constant lines (CL 12-17 (8100 Tick), 0.5, 0.0, 0.0)

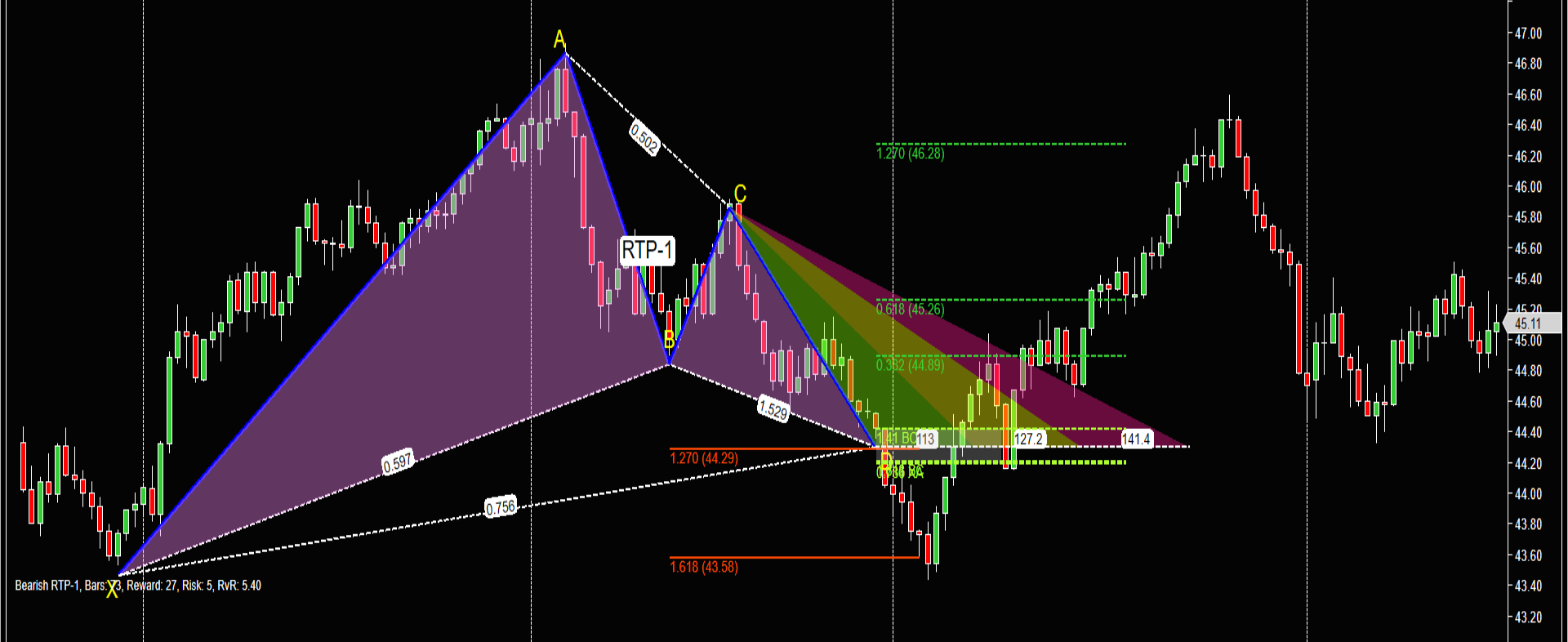


Stochastics (CL 12-17 (8100 Tick), 5, 8, 3), Constant lines (CL 12-17 (8100 Tick), 50, 0, 0, 0)

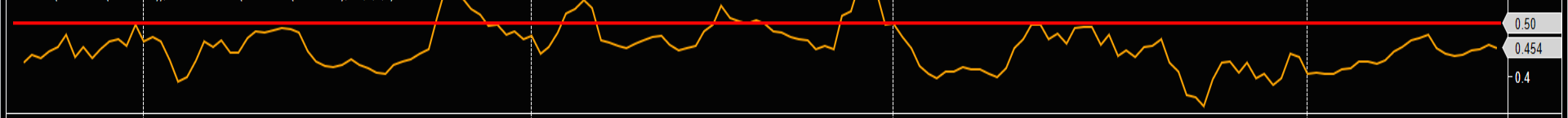




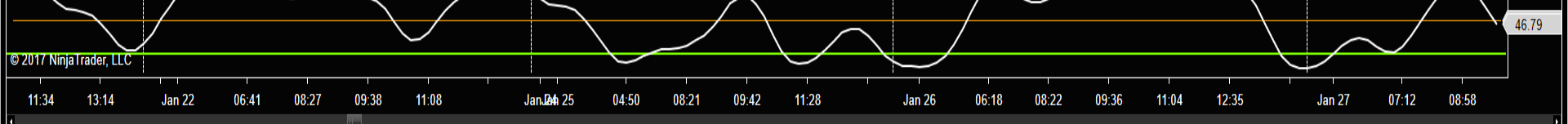
XABCD Trading V6 (CL 12-17 (8100 Tick)), XT Sonar (CL 12-17 (8100 Tick))

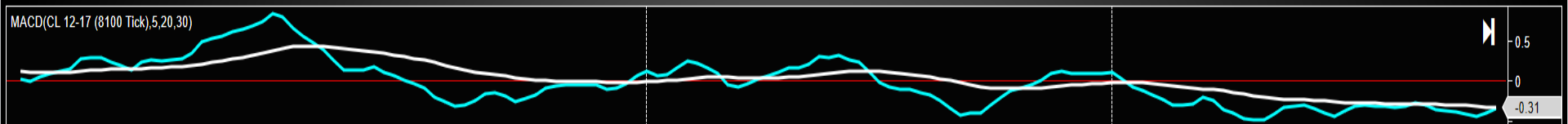


XT Hurst (CL 12-17 (8100 Tick)), Constant lines (CL 12-17 (8100 Tick), 0.5, 0.0, 0.0)

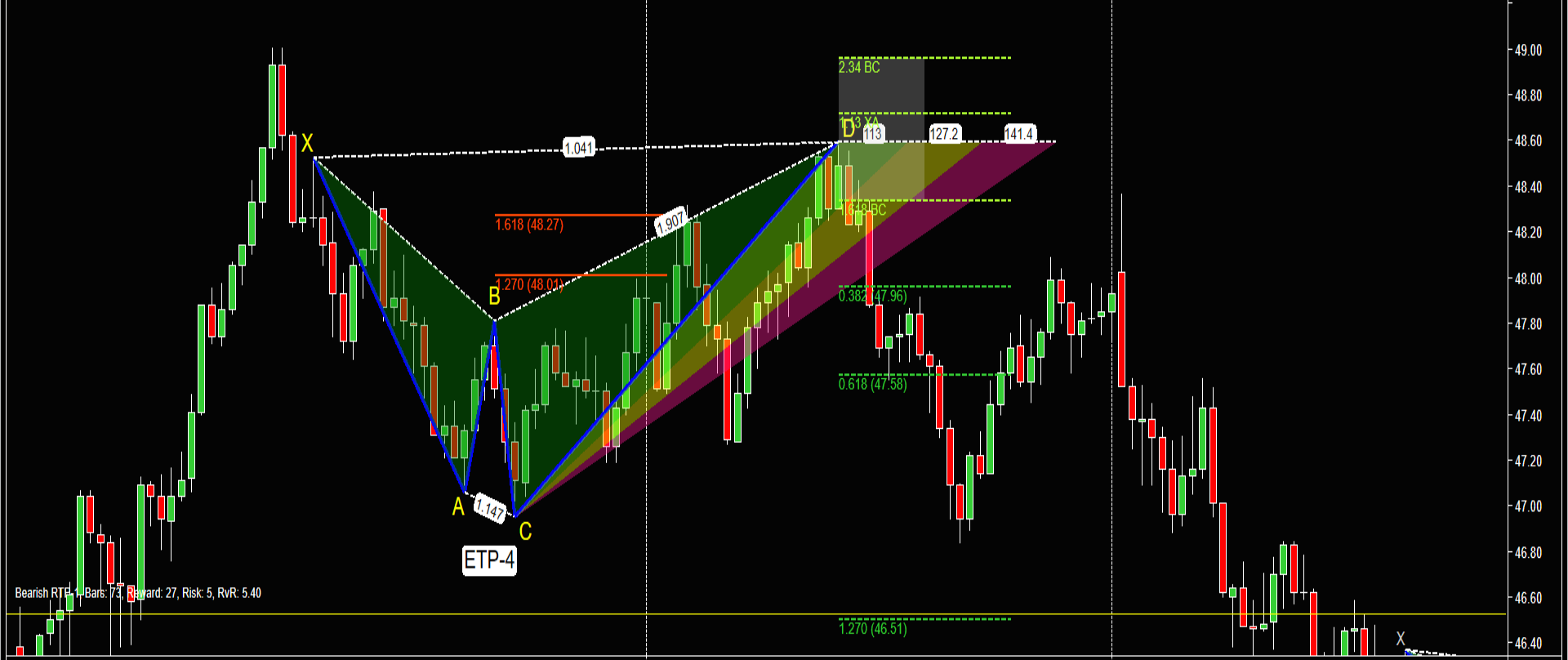


Stochastics (CL 12-17 (8100 Tick), 5, 8, 3), Constant lines (CL 12-17 (8100 Tick), 50, 0, 0, 0)

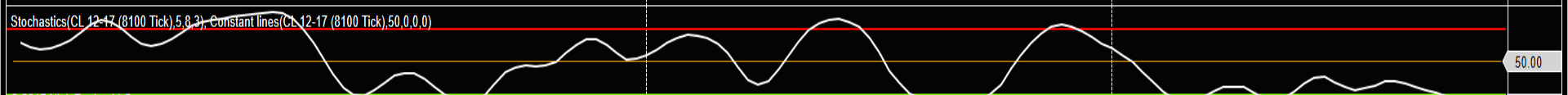




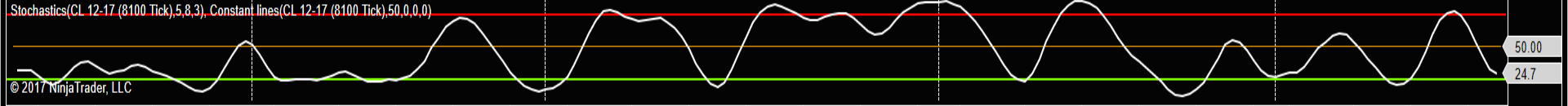
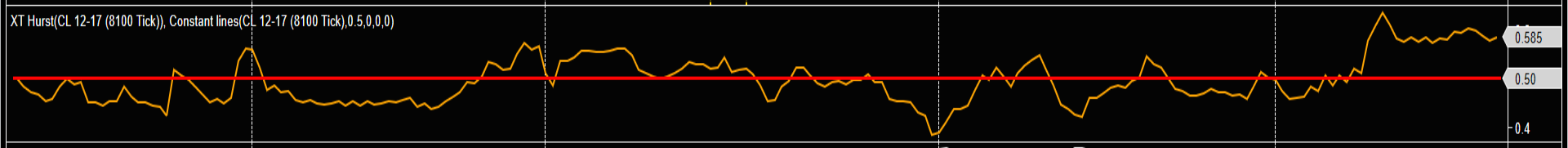
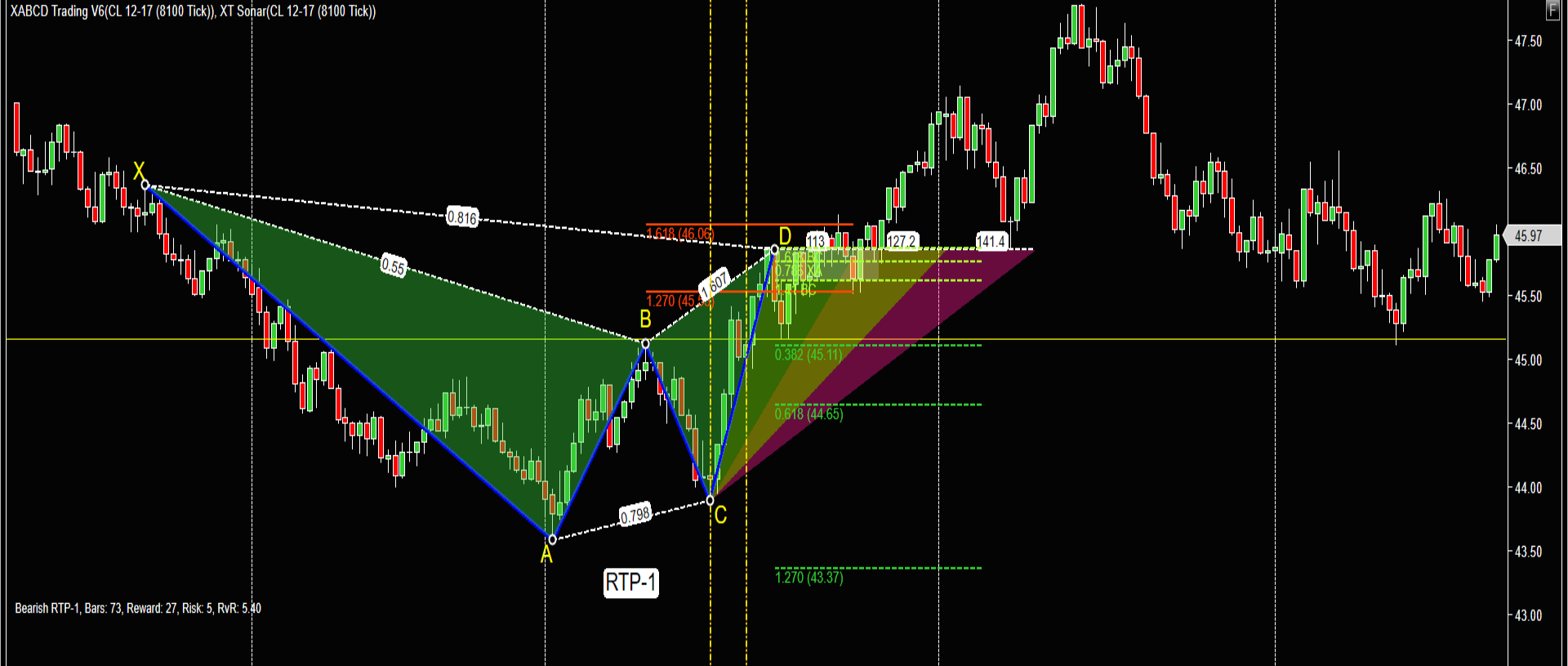
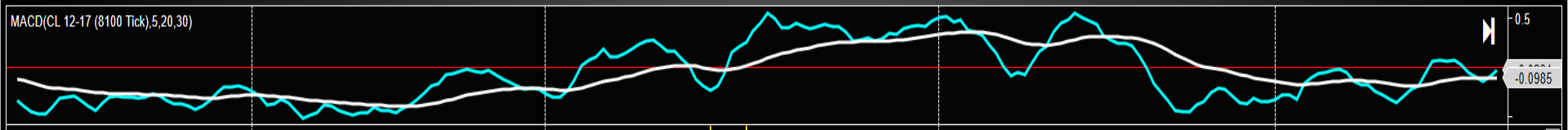
XABCD Trading V6 (CL 12-17 (8100 Tick)), XT Sonar (CL 12-17 (8100 Tick))

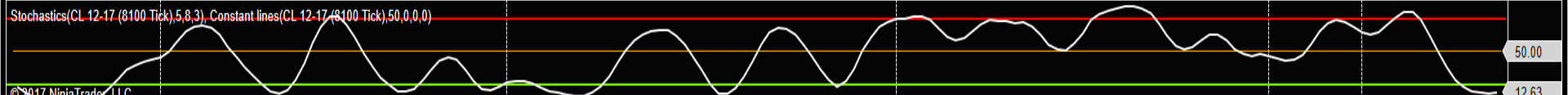
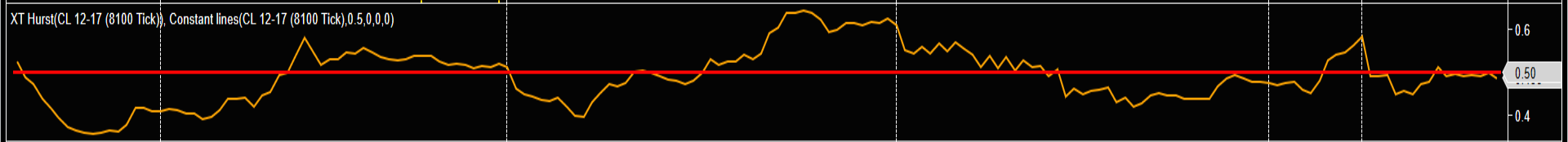
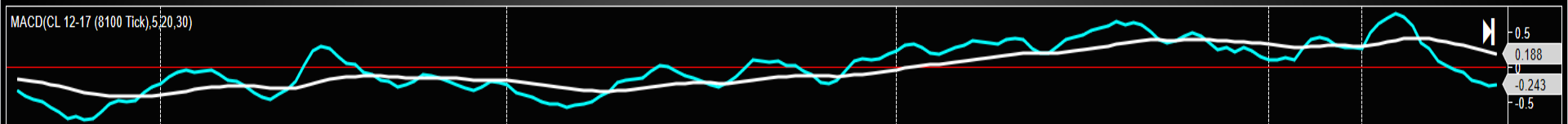


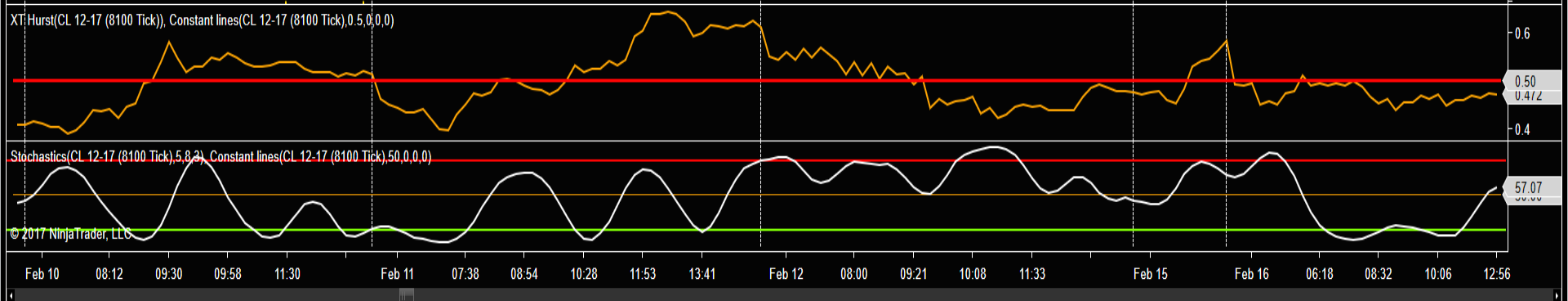
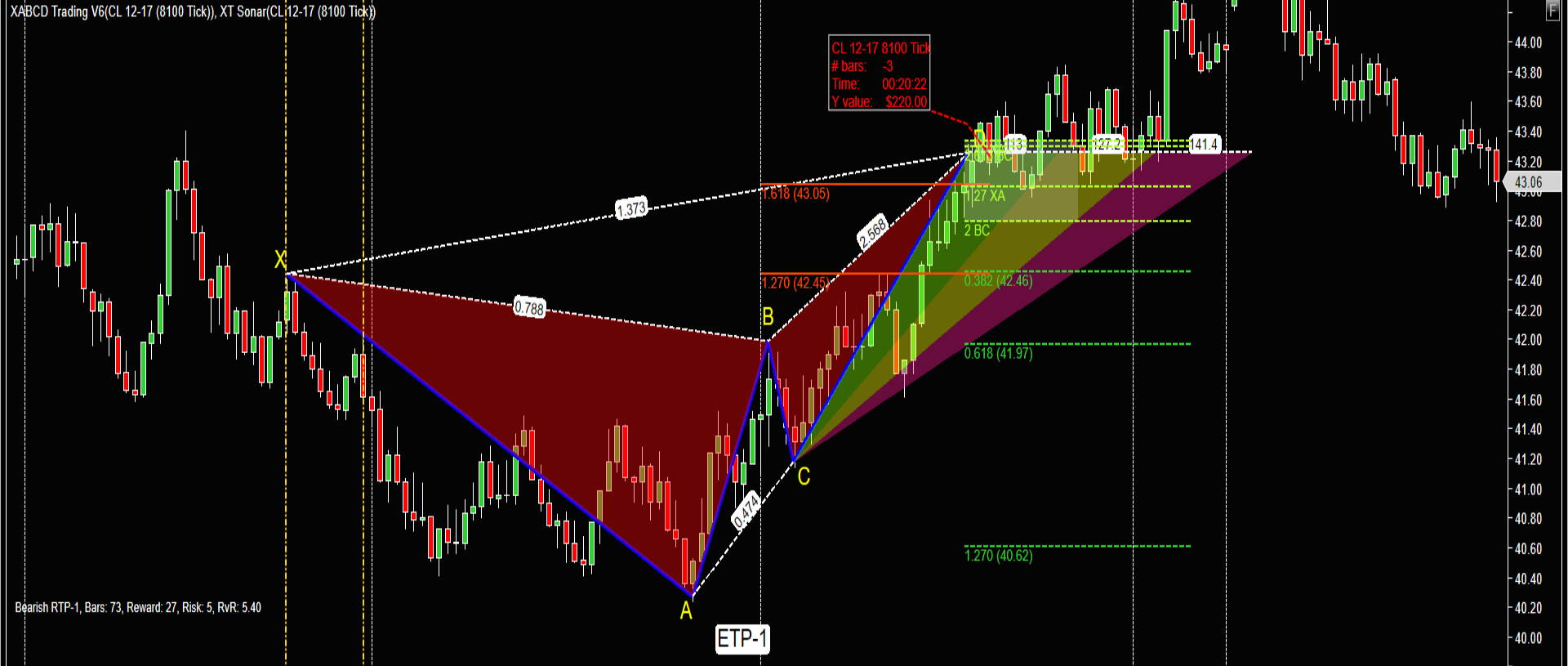
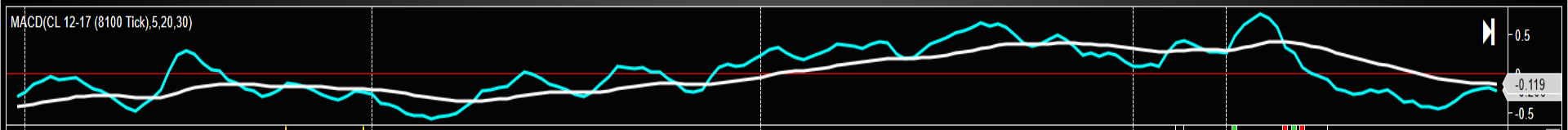
Bearish RTE Bars: 73 Reward: 27, Risk: 5, RvR: 5.40

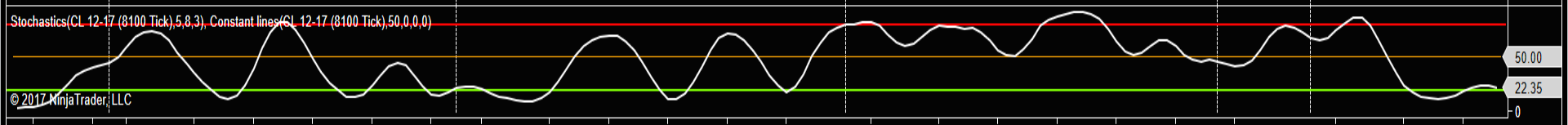
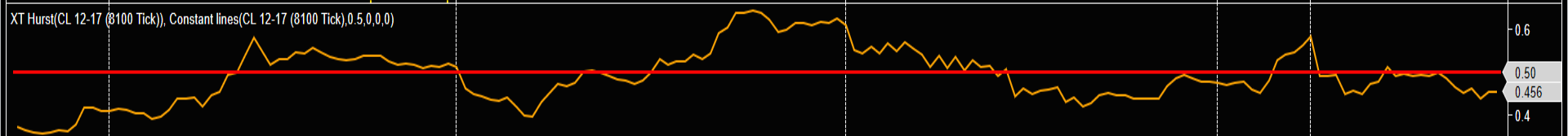
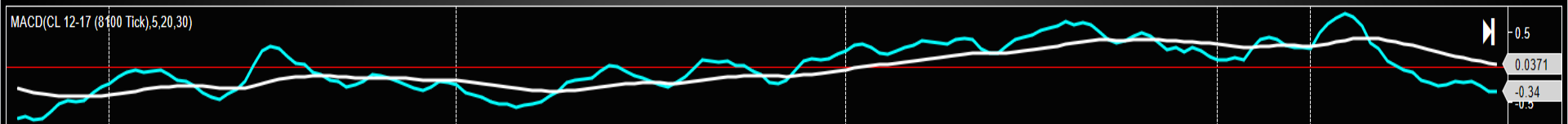


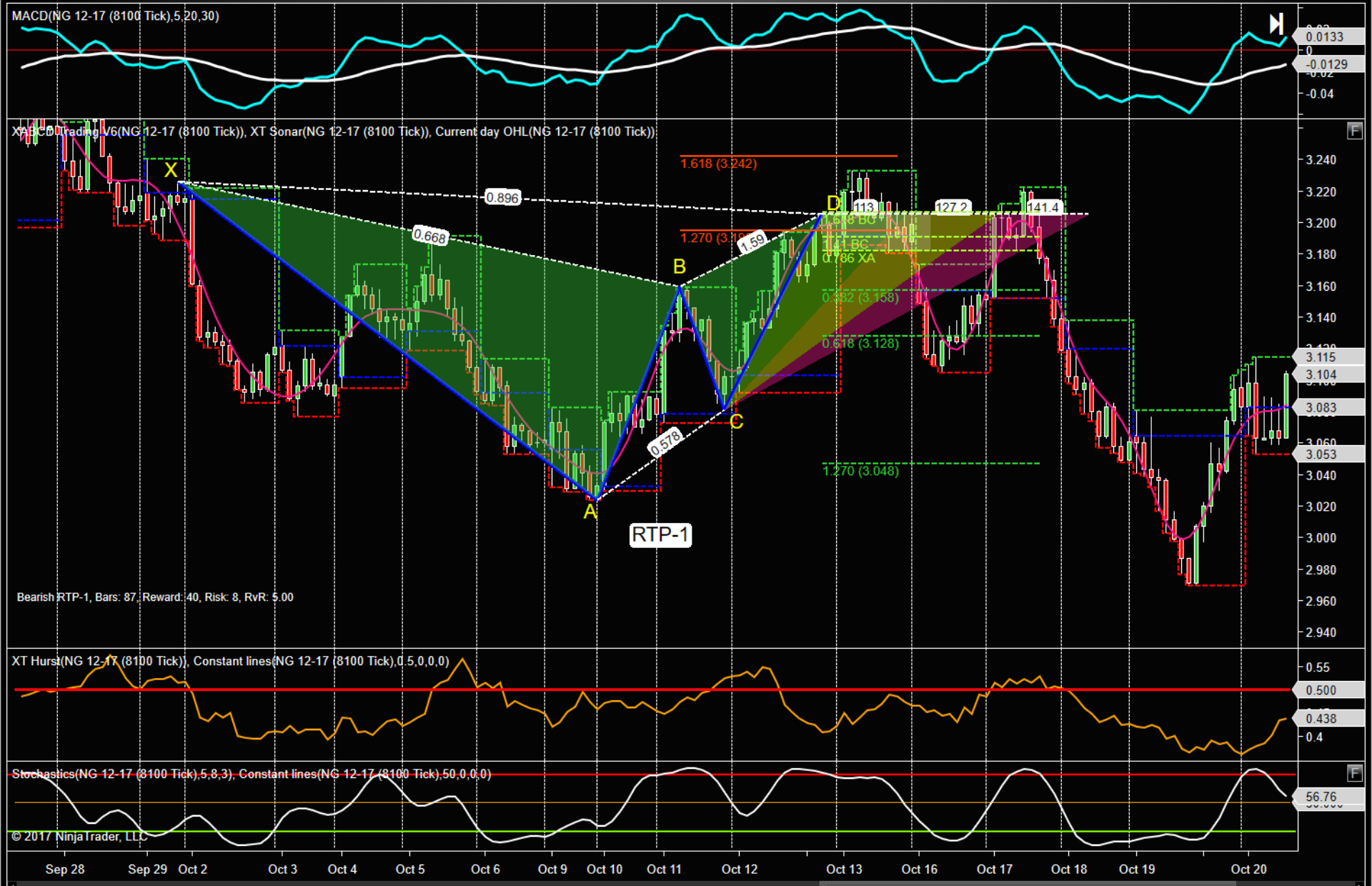
Jan 28 05:50 07:47 08:11 08:27 08:45 09:26 10:11 11:17 13:17 Jan 29 06:41 08:32 09:26 10:24 11:16 12:49 Jan 31 Feb 1 06:51 08:31 09:21 10:39 12:13

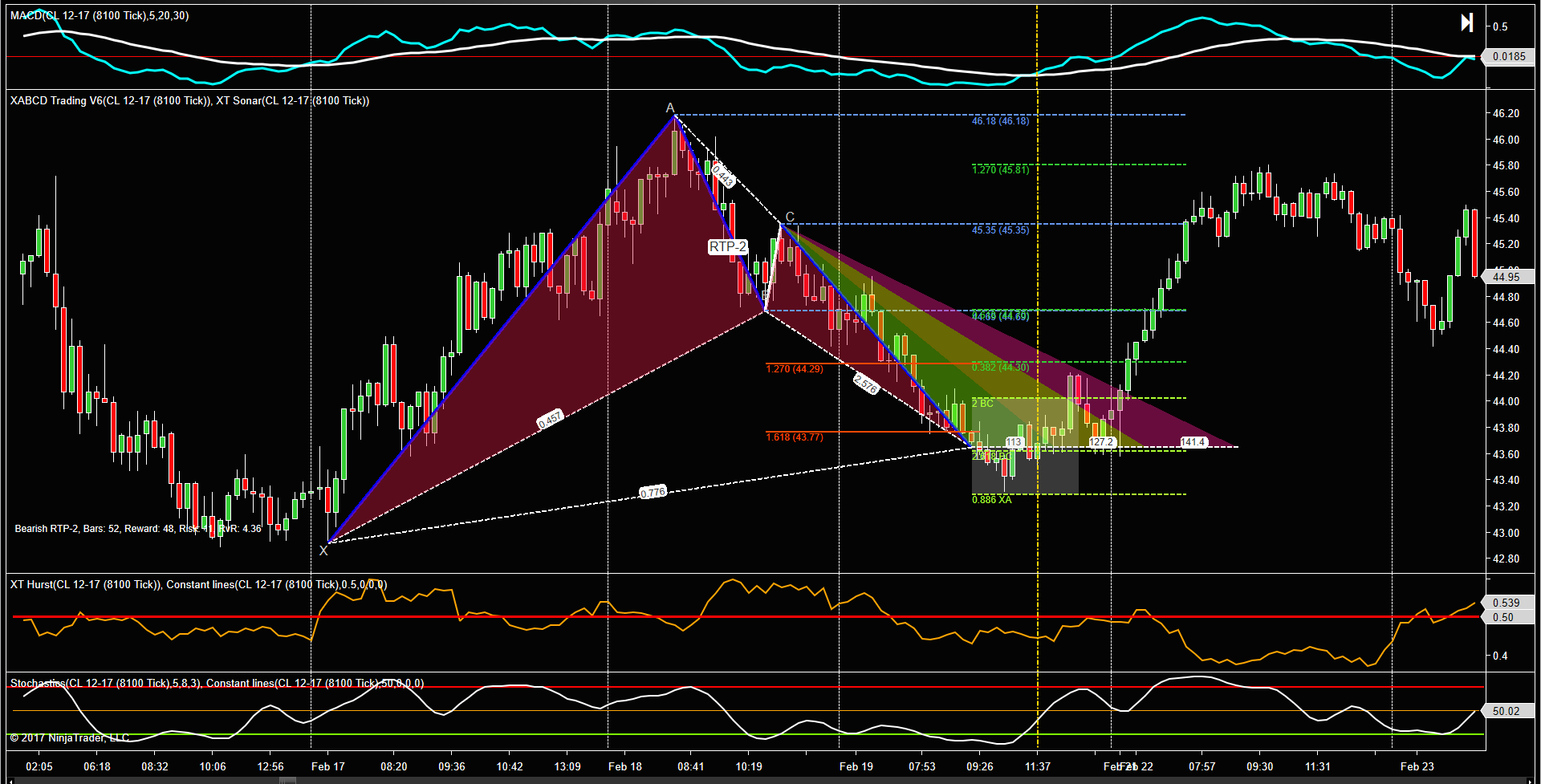


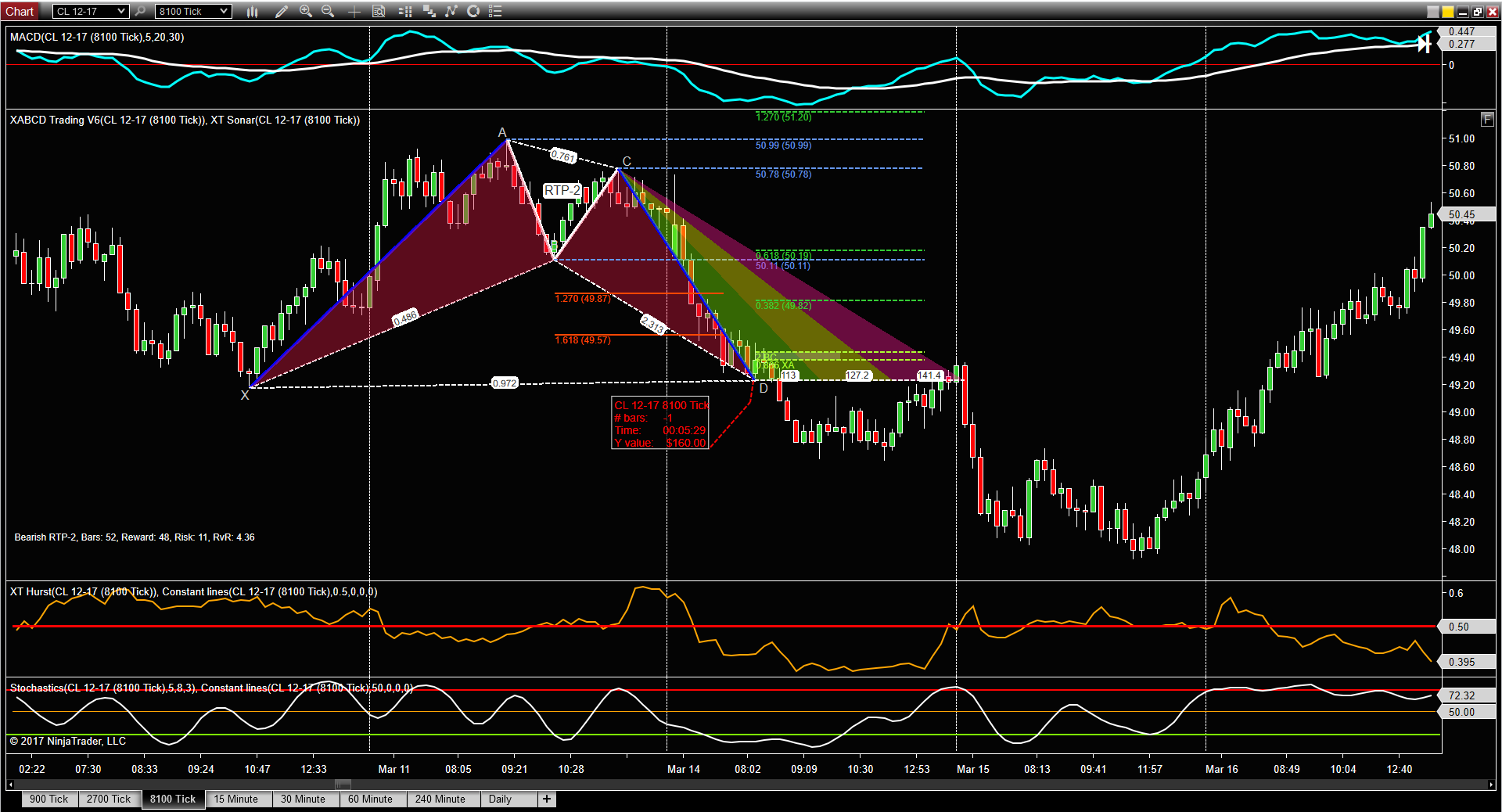


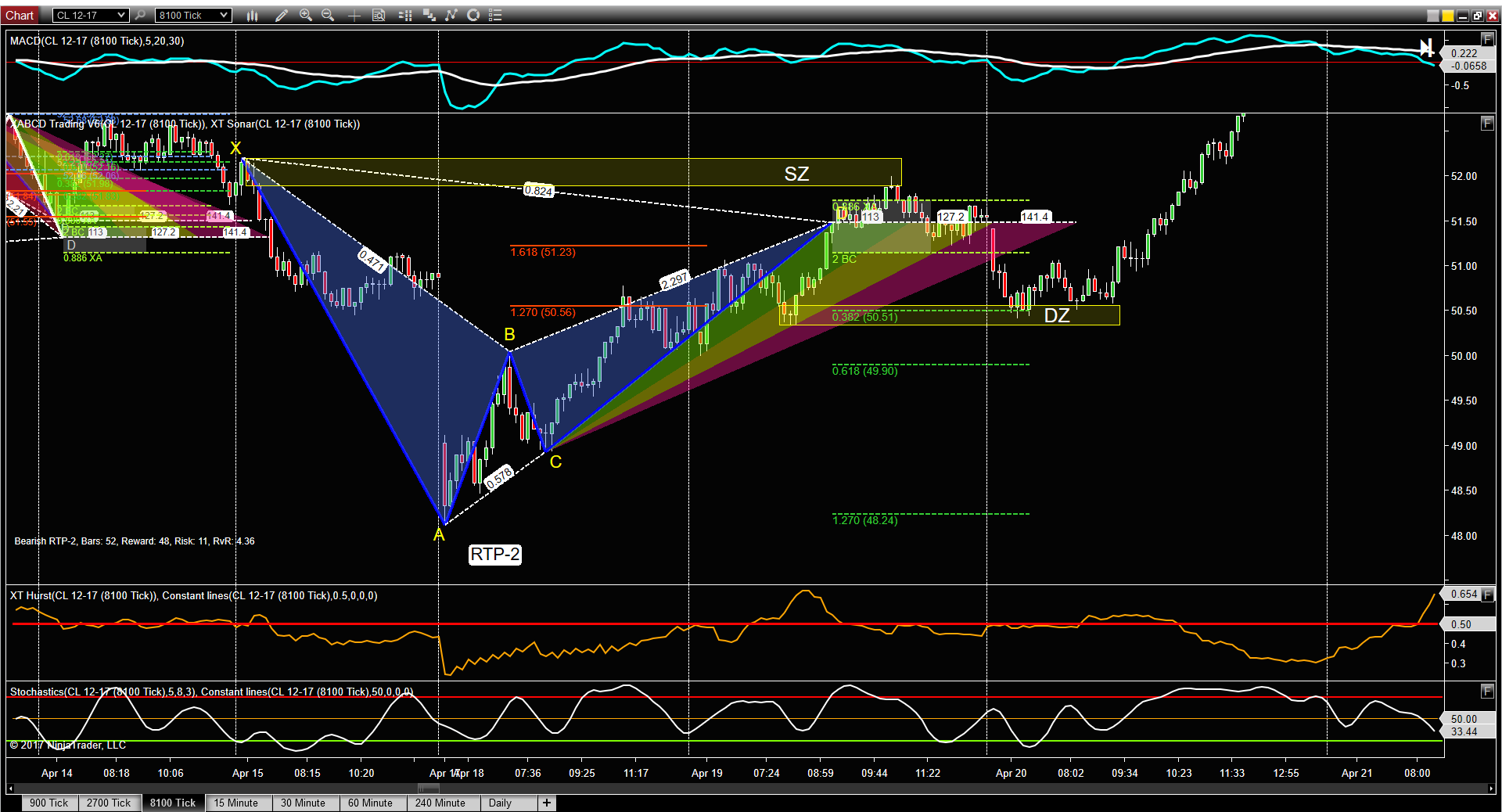




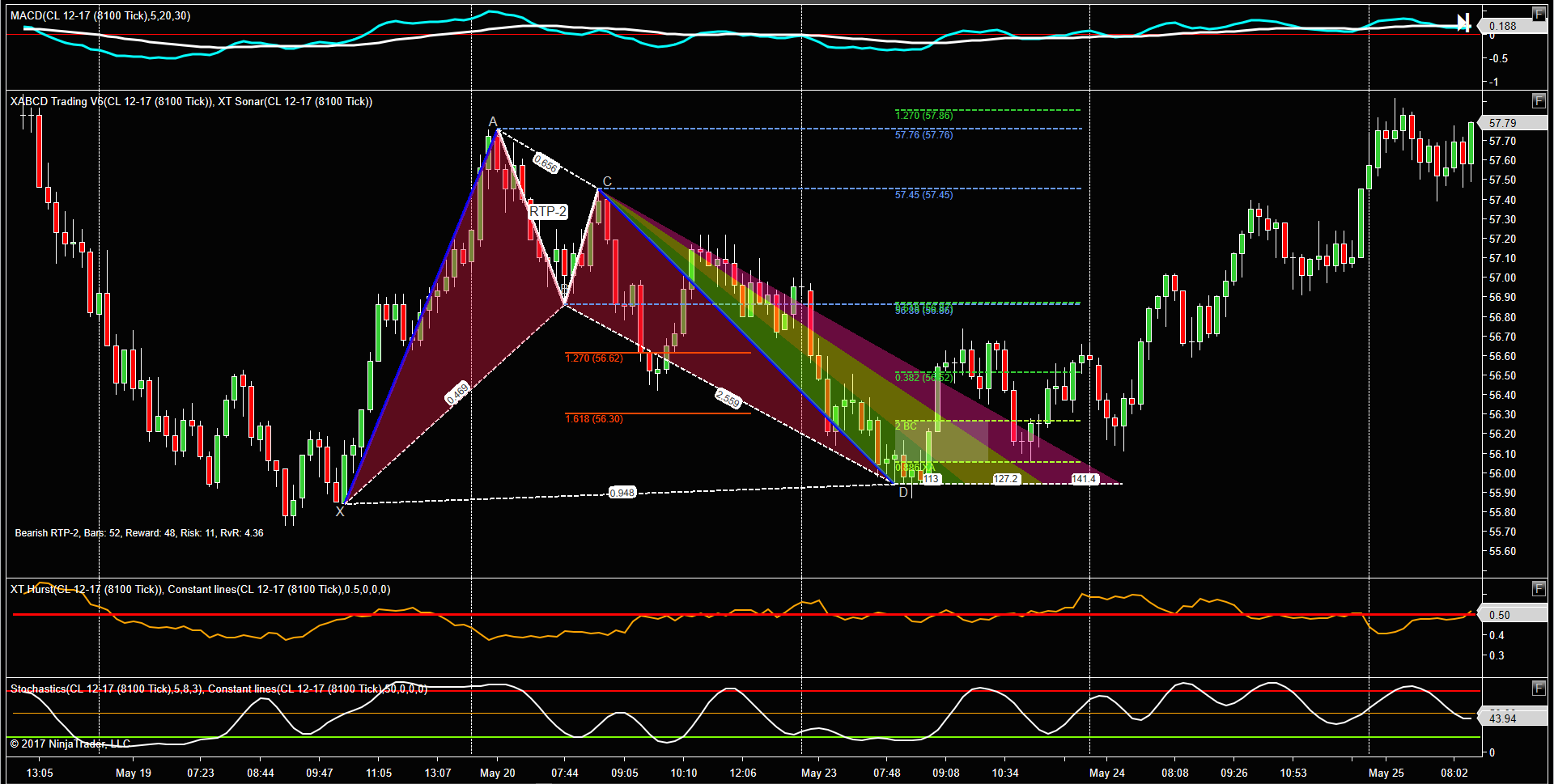


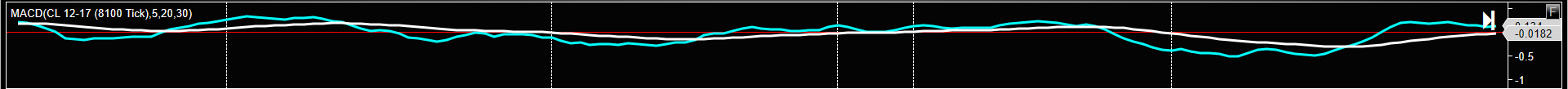




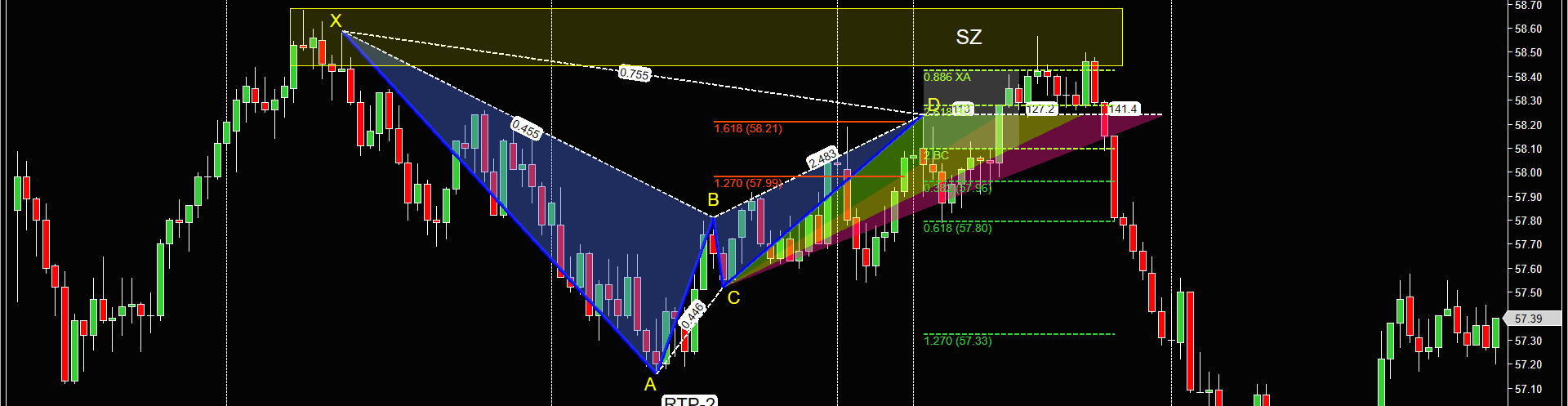






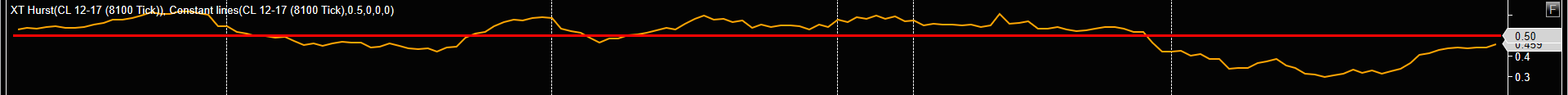


XABCD Trading V6(CL 12-17 (8100 Tick)), XT Sonar(CL 12-17 (8100 Tick))

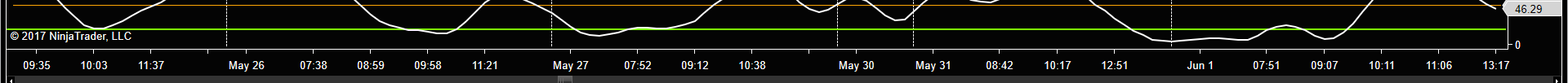


Bearish RTP-2, Bars: 52, Reward: 48, Risk: 11, RvR: 4.36

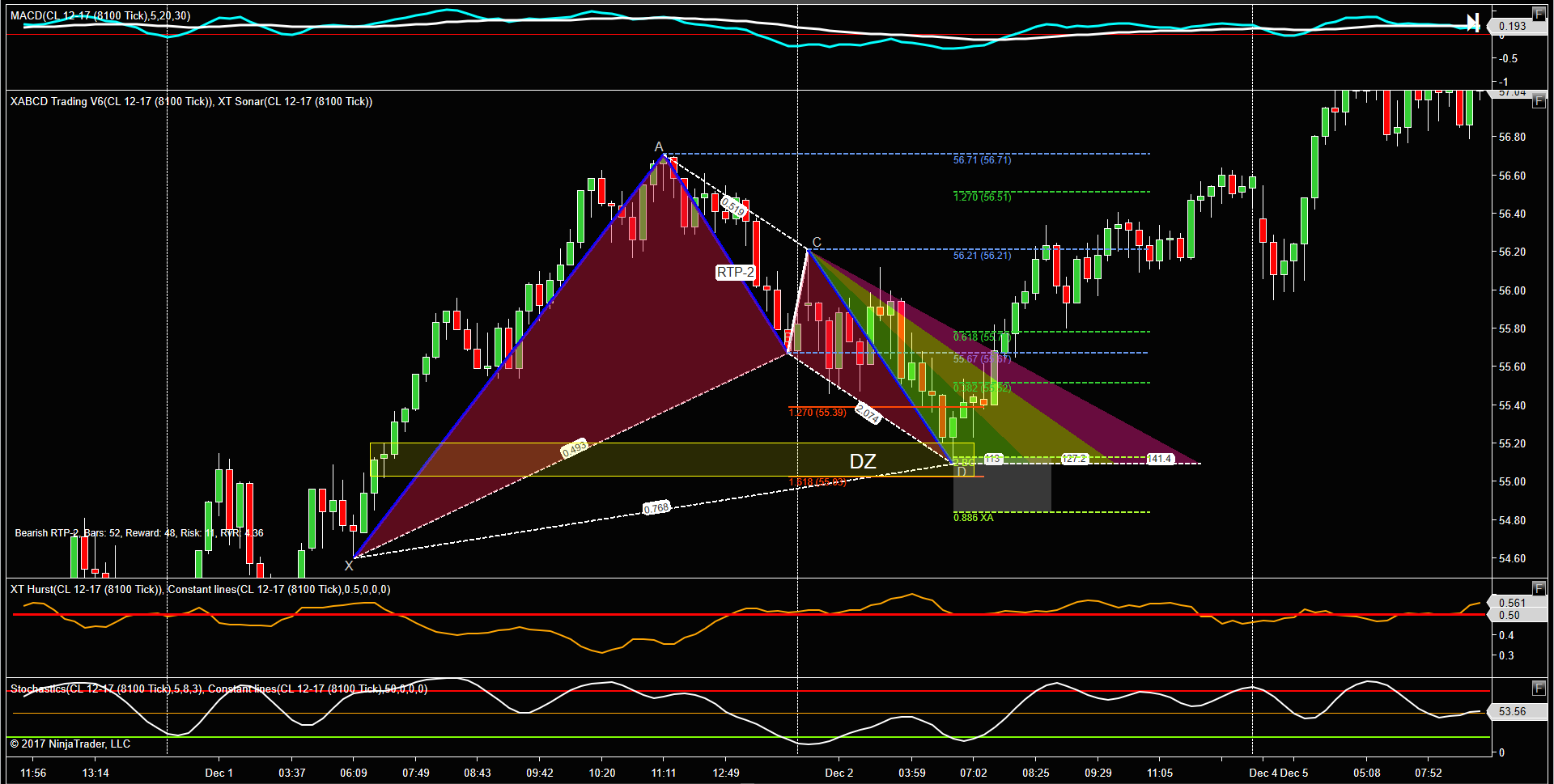
XT Hurst(CL 12-17 (8100 Tick)), Constant lines(CL 12-17 (8100 Tick),0.5,0,0,0)



Stochastics(CL 12-17 (8100 Tick),5,8,3), Constant lines(CL 12-17 (8100 Tick),50,0,0,0)





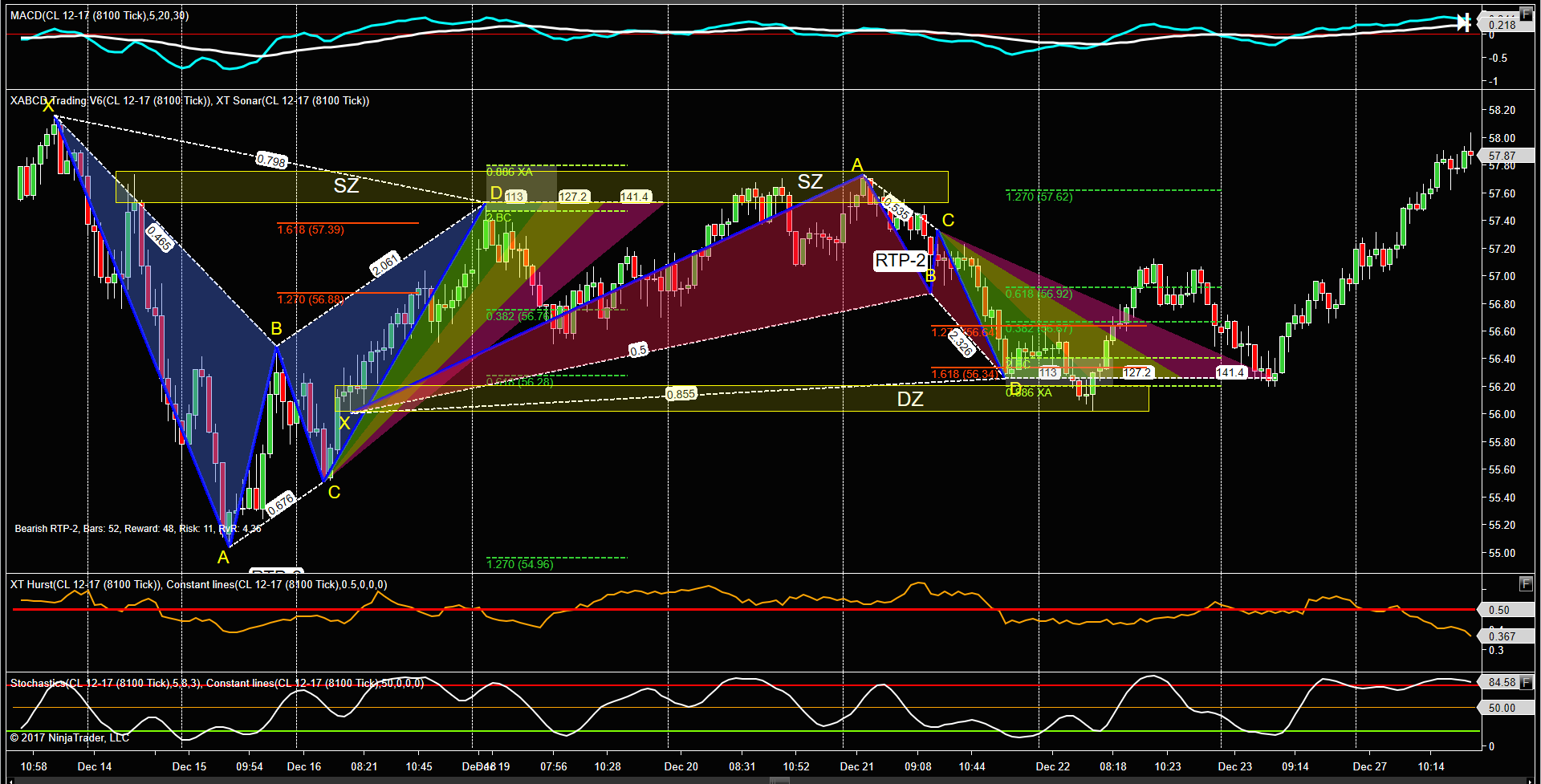


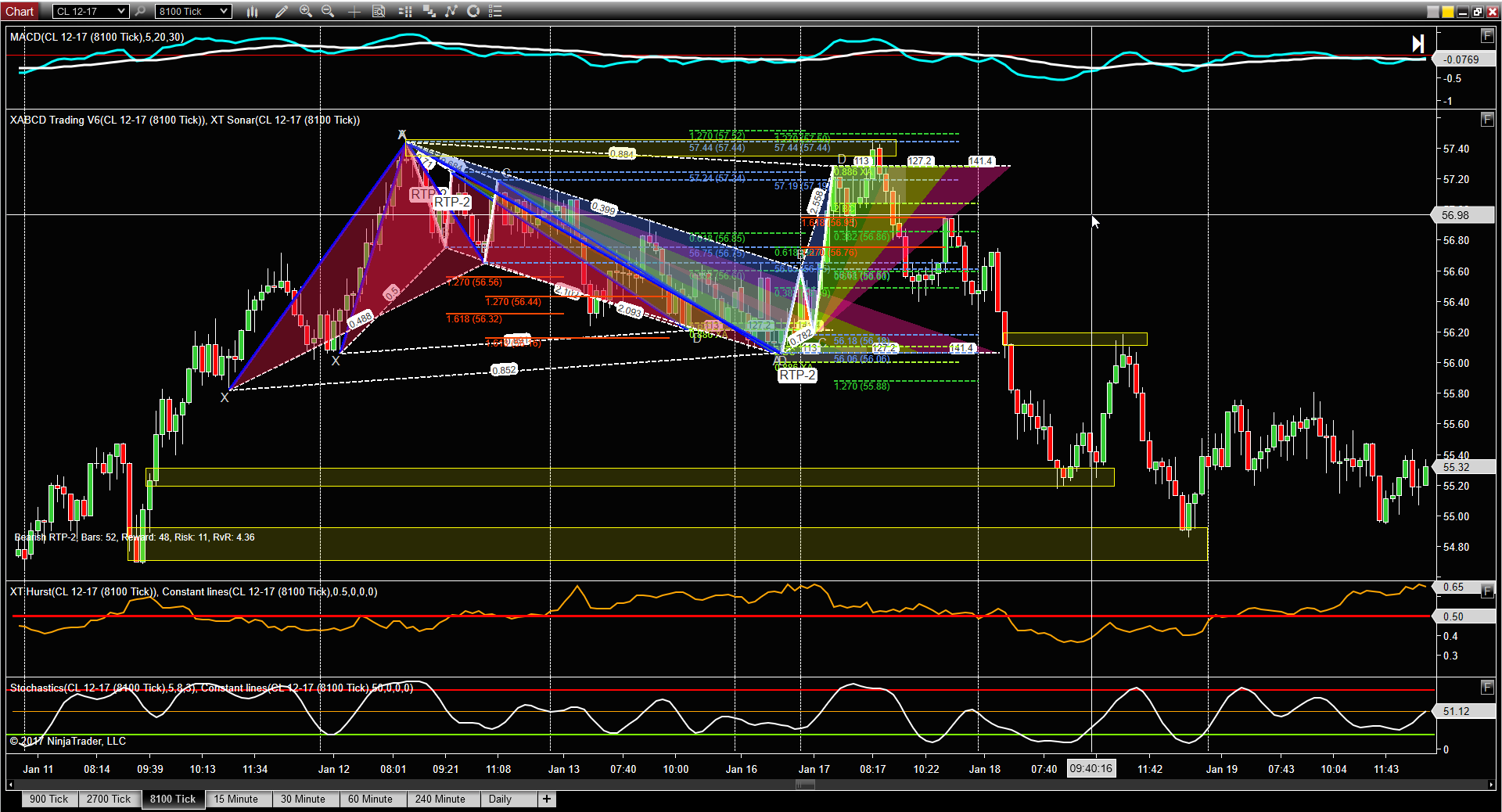
Bearish RTP-2, Bars: 52, Reward: 48, Risk: 11, R:R: 4.36

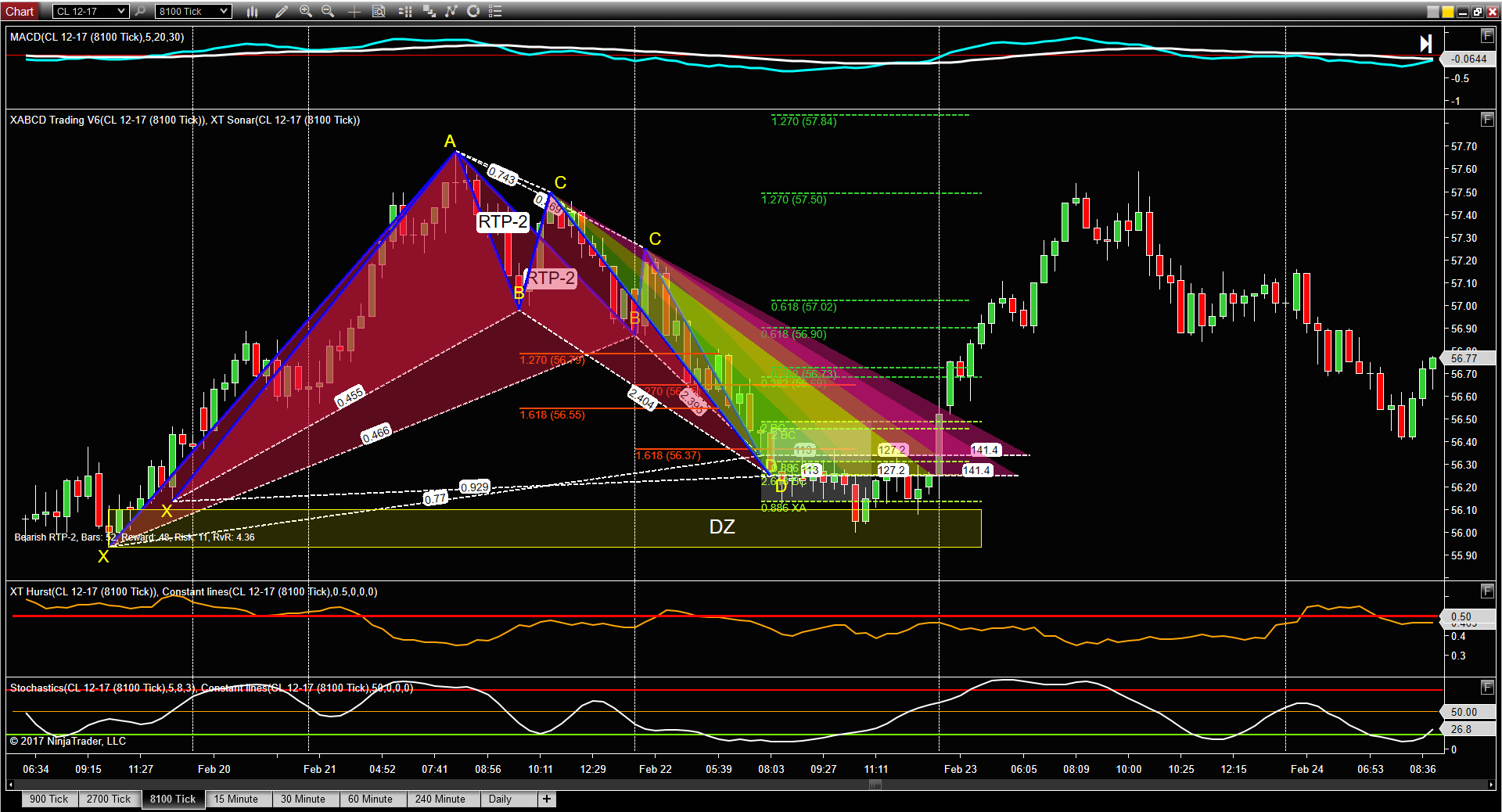
XT Hurst (CL 12-17 (8100 Tick)), Constant lines (CL 12-17 (8100 Tick), 0.5, 0, 0, 0)

Stochastics (CL 12-17 (8100 Tick), 5, 8, 3), Constant lines (CL 12-17 (8100 Tick), 50, 0, 0, 0)

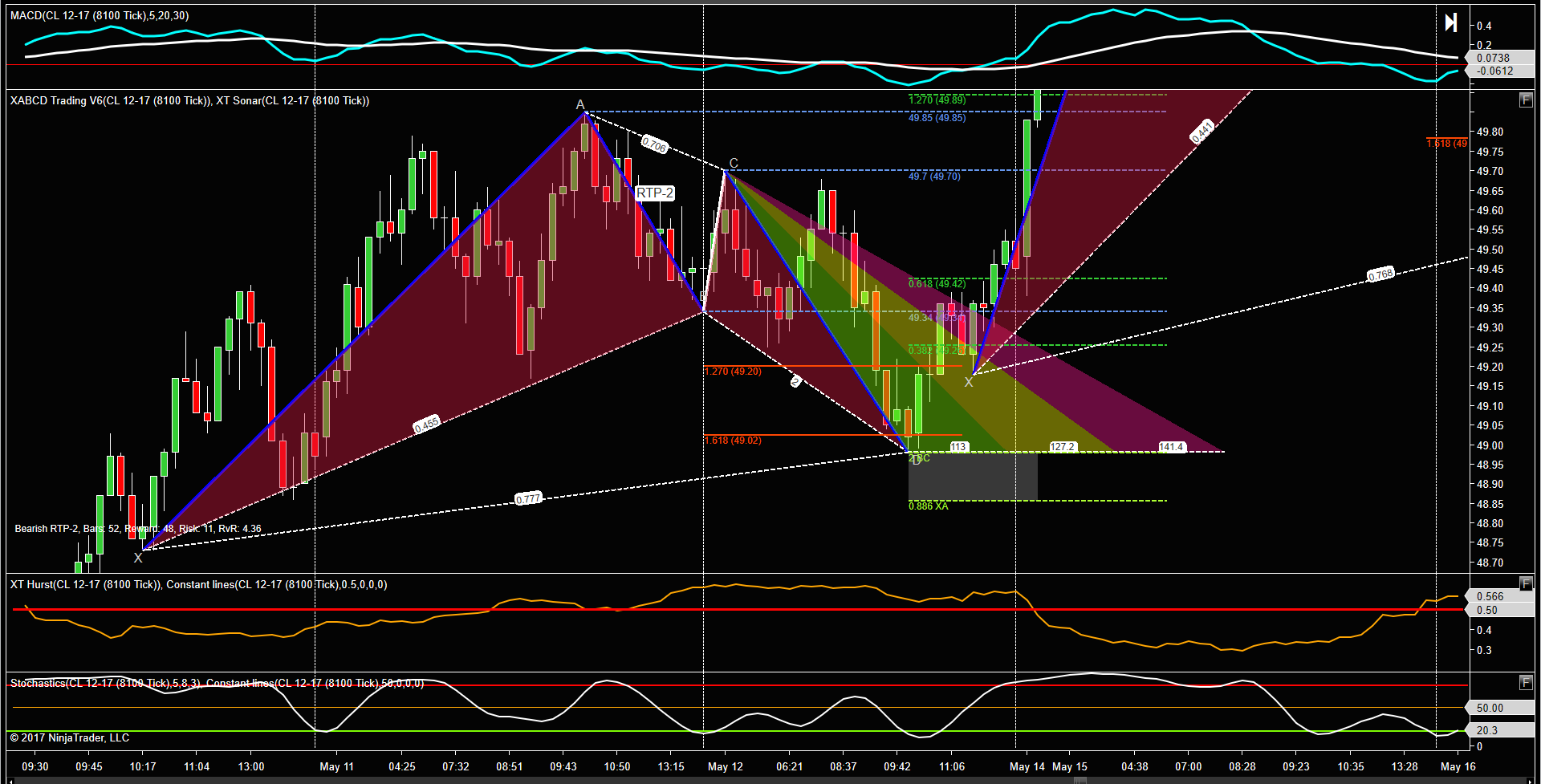
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0.4
0.2
0.0738
-0.0612

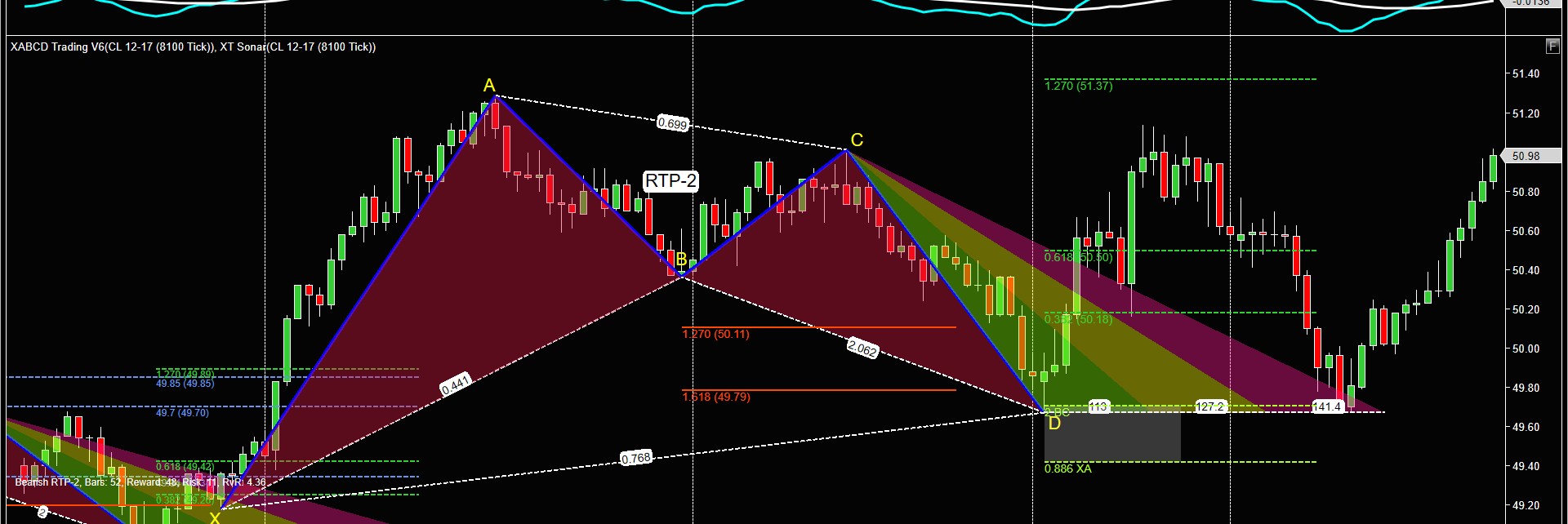
49.80
49.75
49.70
49.65
49.60
49.55
49.50
49.45
49.40
49.35
49.30
49.25
49.20
49.15
49.10
49.05
49.00
48.95
48.90
48.85
48.80
48.75
48.70

0.566
0.50
0.4
0.3

50.00
20.3
0

MACD(CL 12-17 (8100 Tick),5,20,30)

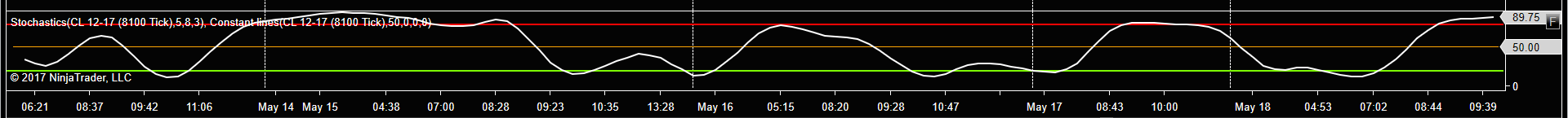
XABCD Trading V6(CL 12-17 (8100 Tick)), XT Sonata(CL 12-17 (8100 Tick))



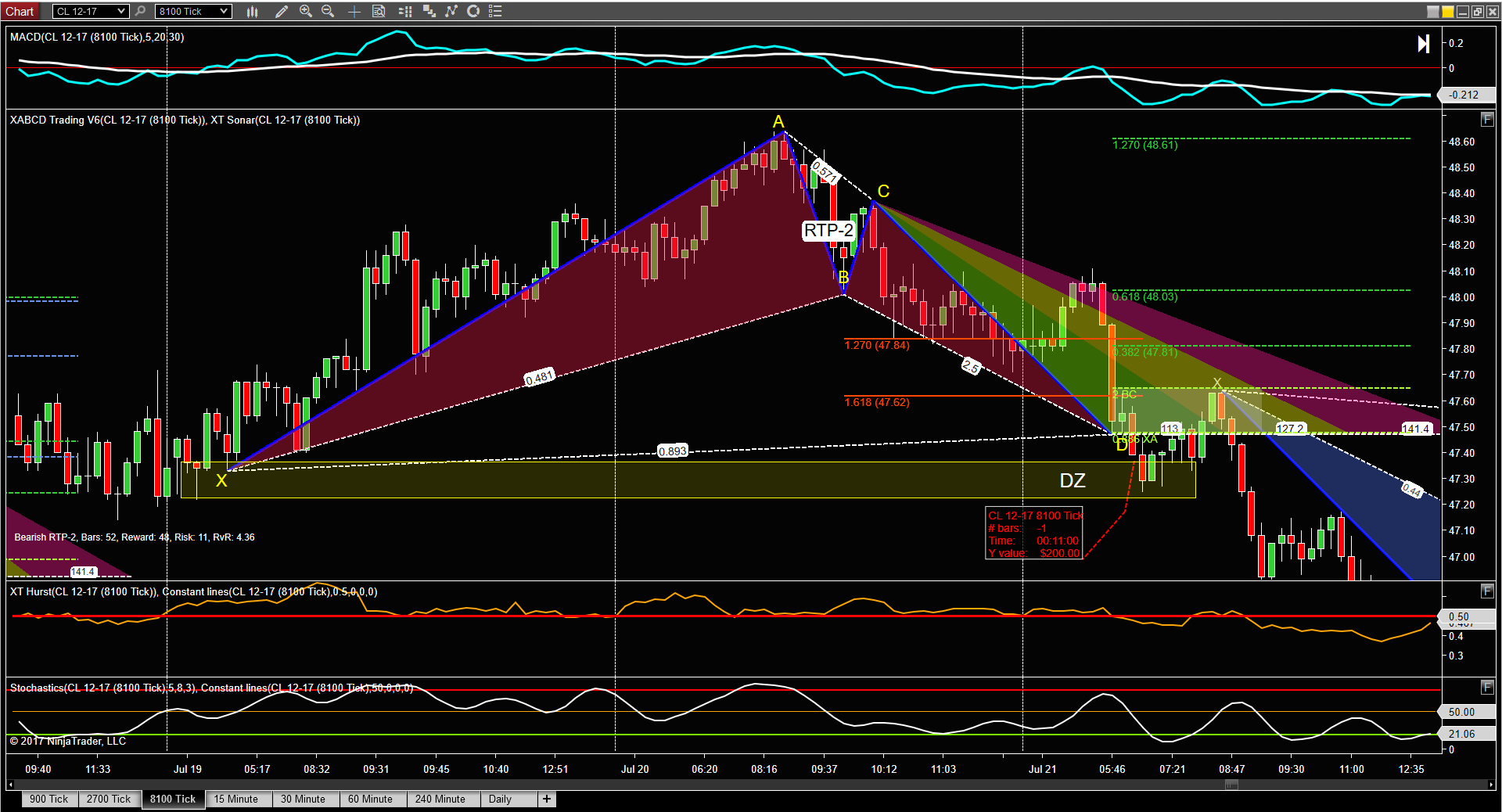
XT_Hurst(CL 12-17 (8100 Tick)), Constant lines(CL 12-17 (8100 Tick),0.5,0,0,0)

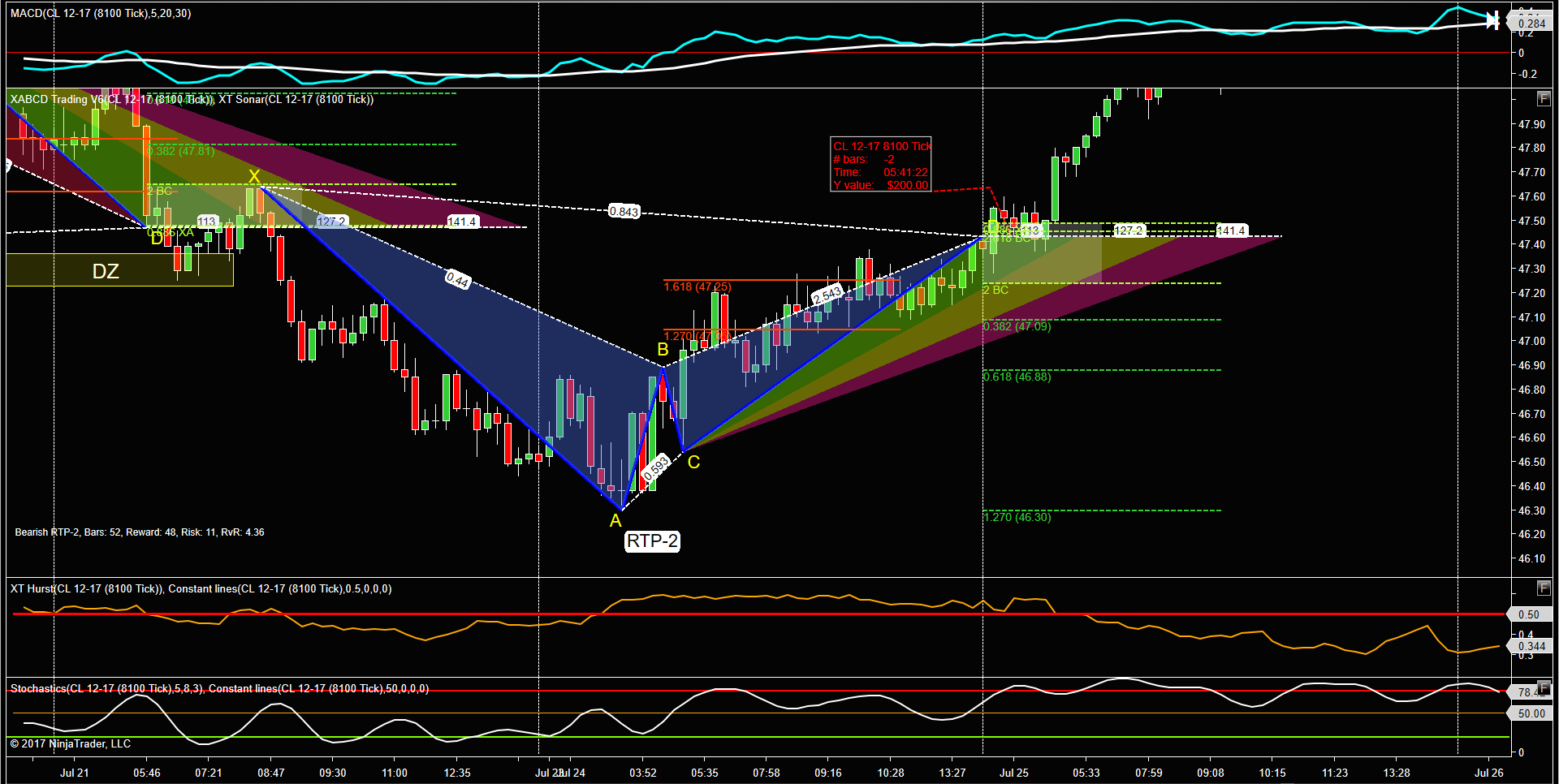
Stochastics(CL 12-17 (8100 Tick),5,8,3), Constant lines(CL 12-17 (8100 Tick),50,0,0,0)

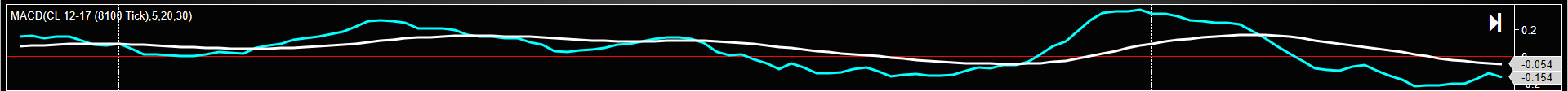
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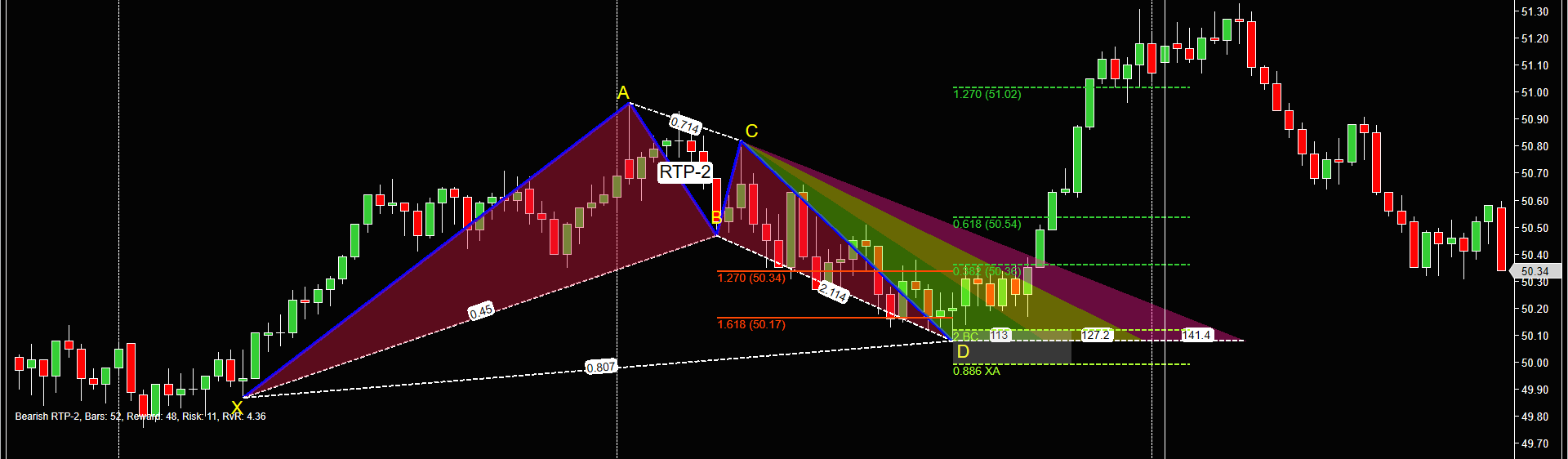




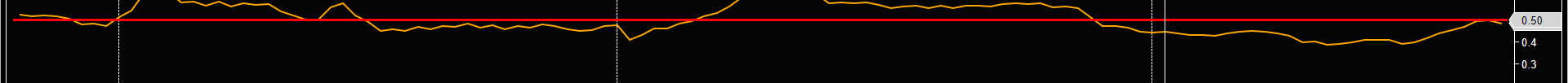




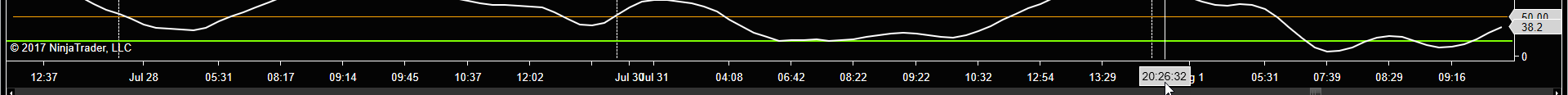
XABCD Trading V6(CL 12-17 (8100 Tick)), XT Sonar(CL 12-17 (8100 Tick))

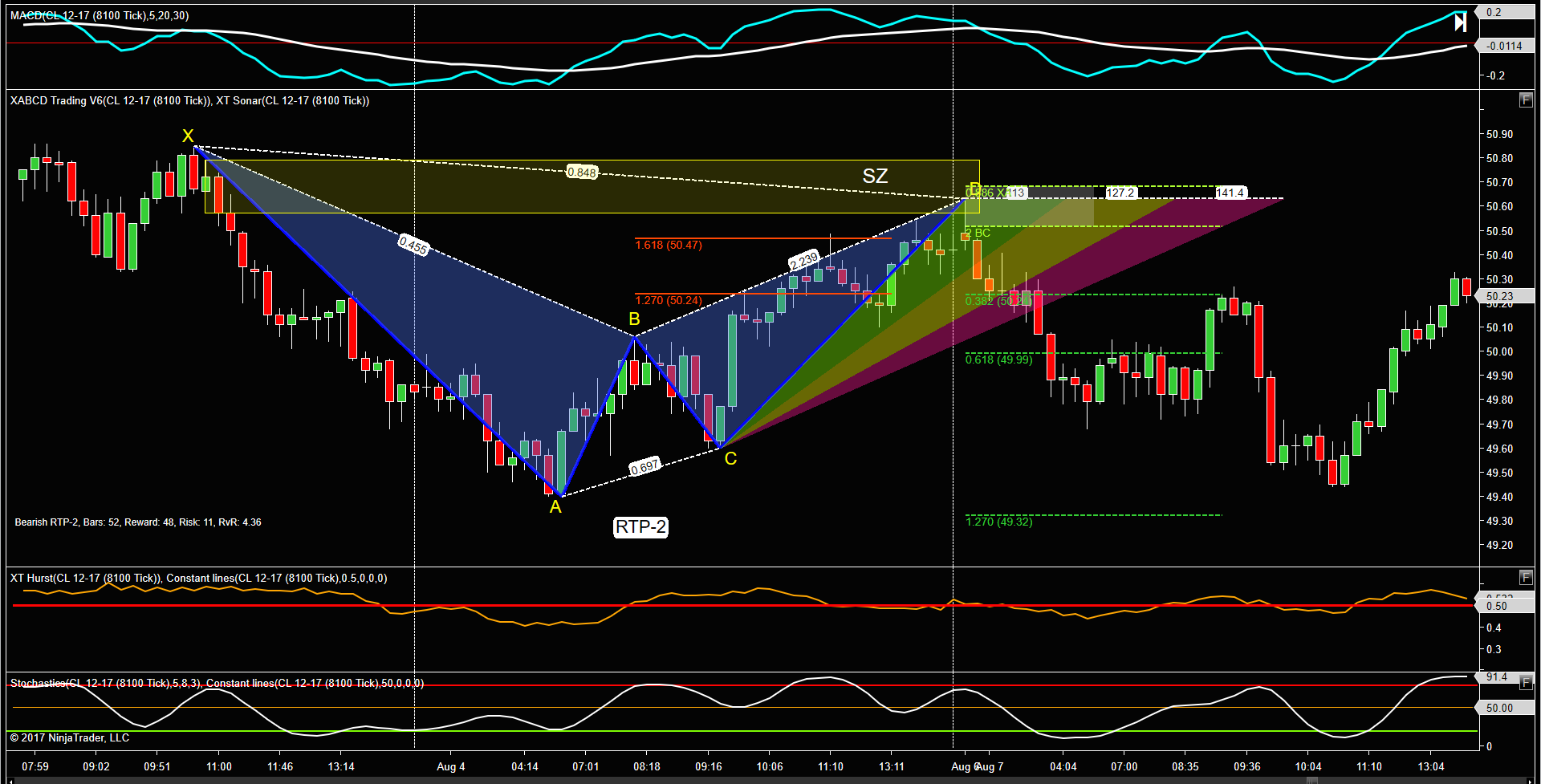


XT Hurst(CL 12-17 (8100 Tick)), Constant lines(CL 12-17 (8100 Tick)),0.5,0,0,0

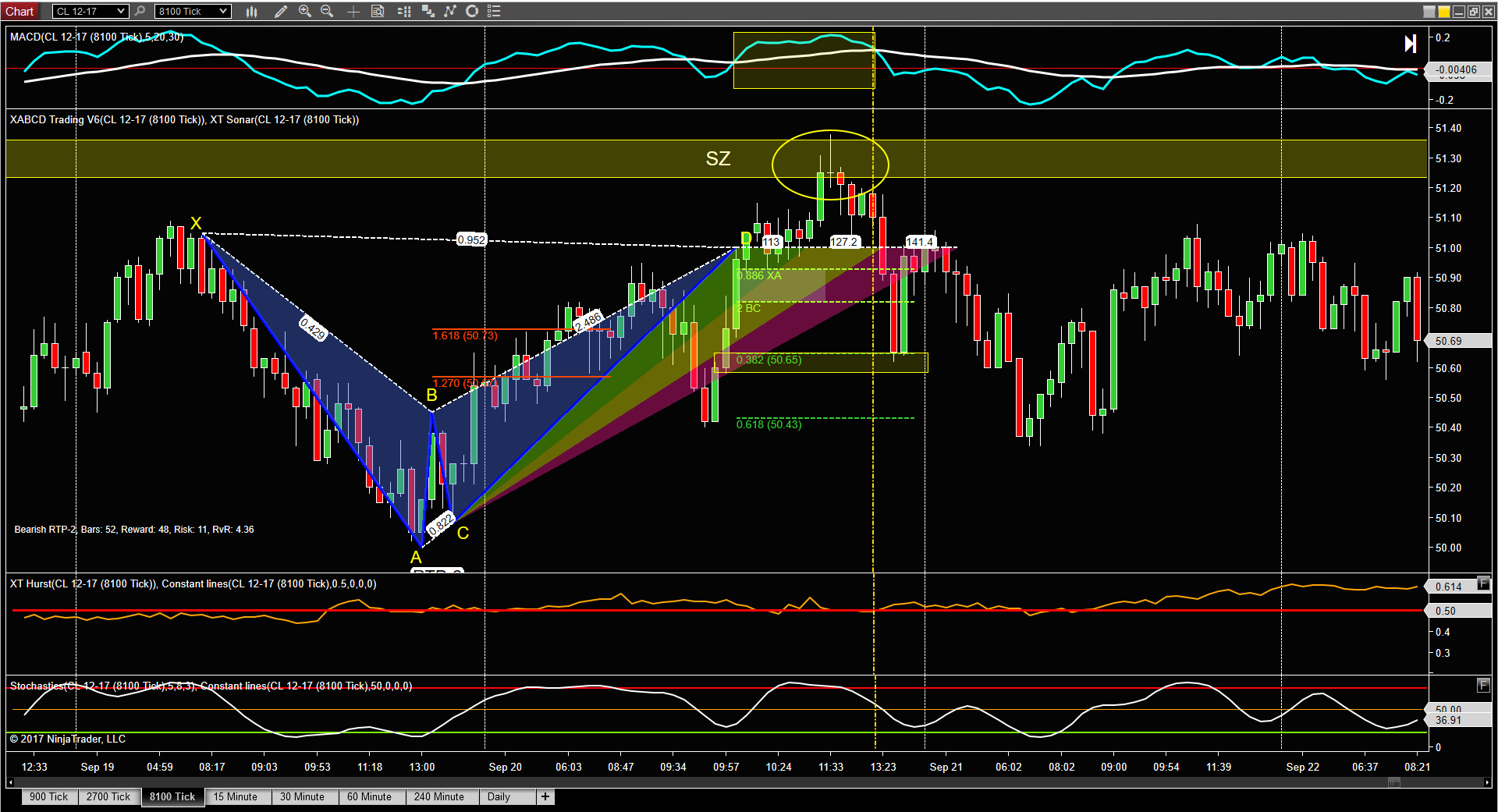


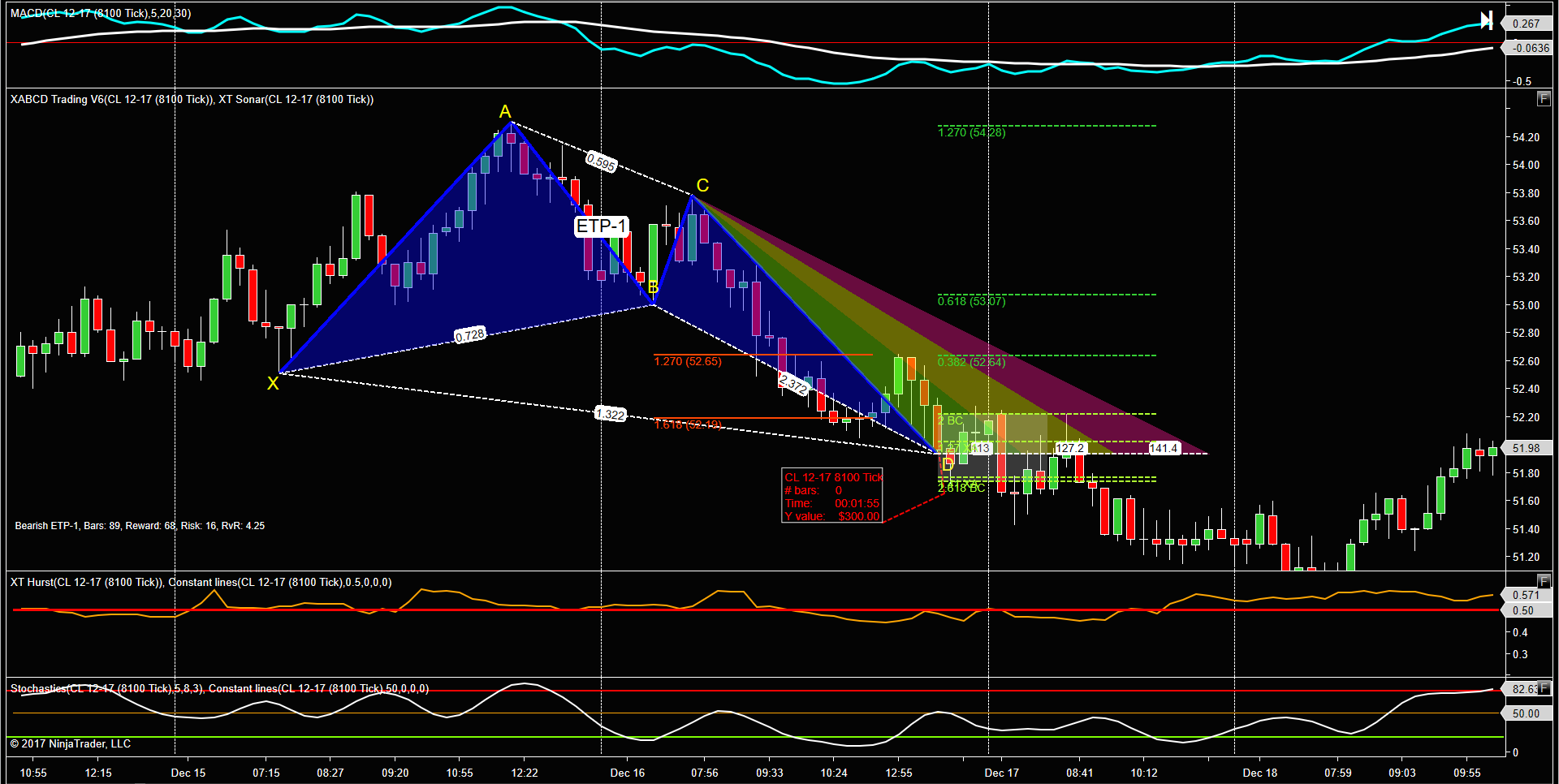
Stochastics(CL 12-17 (8100 Tick)),5,8,3, Constant lines(CL 12-17 (8100 Tick)),50,0,0,0

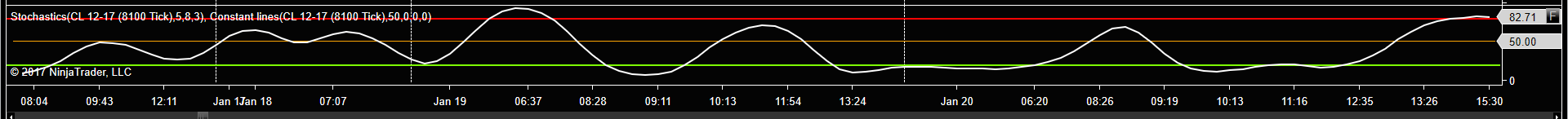
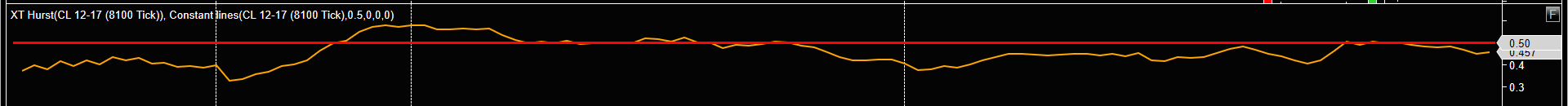
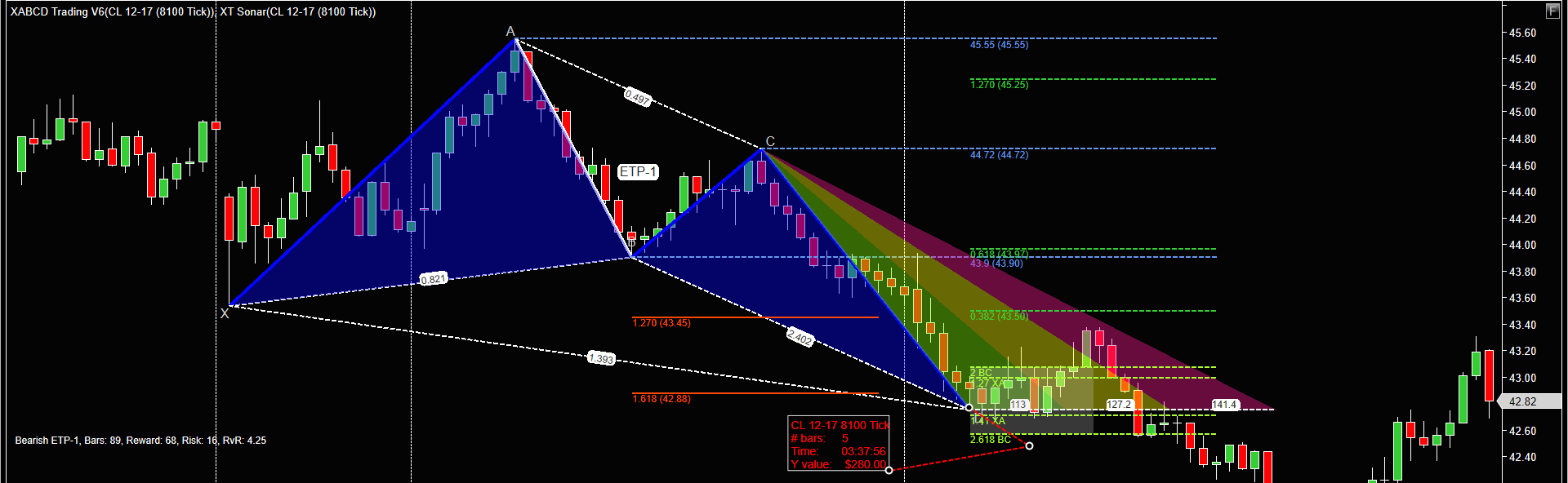
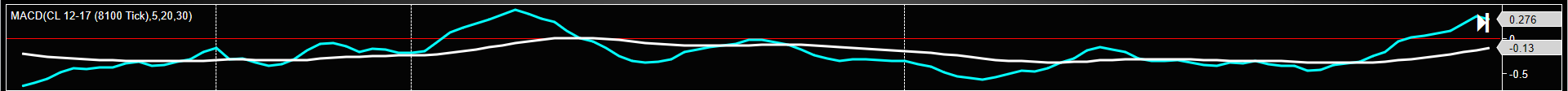


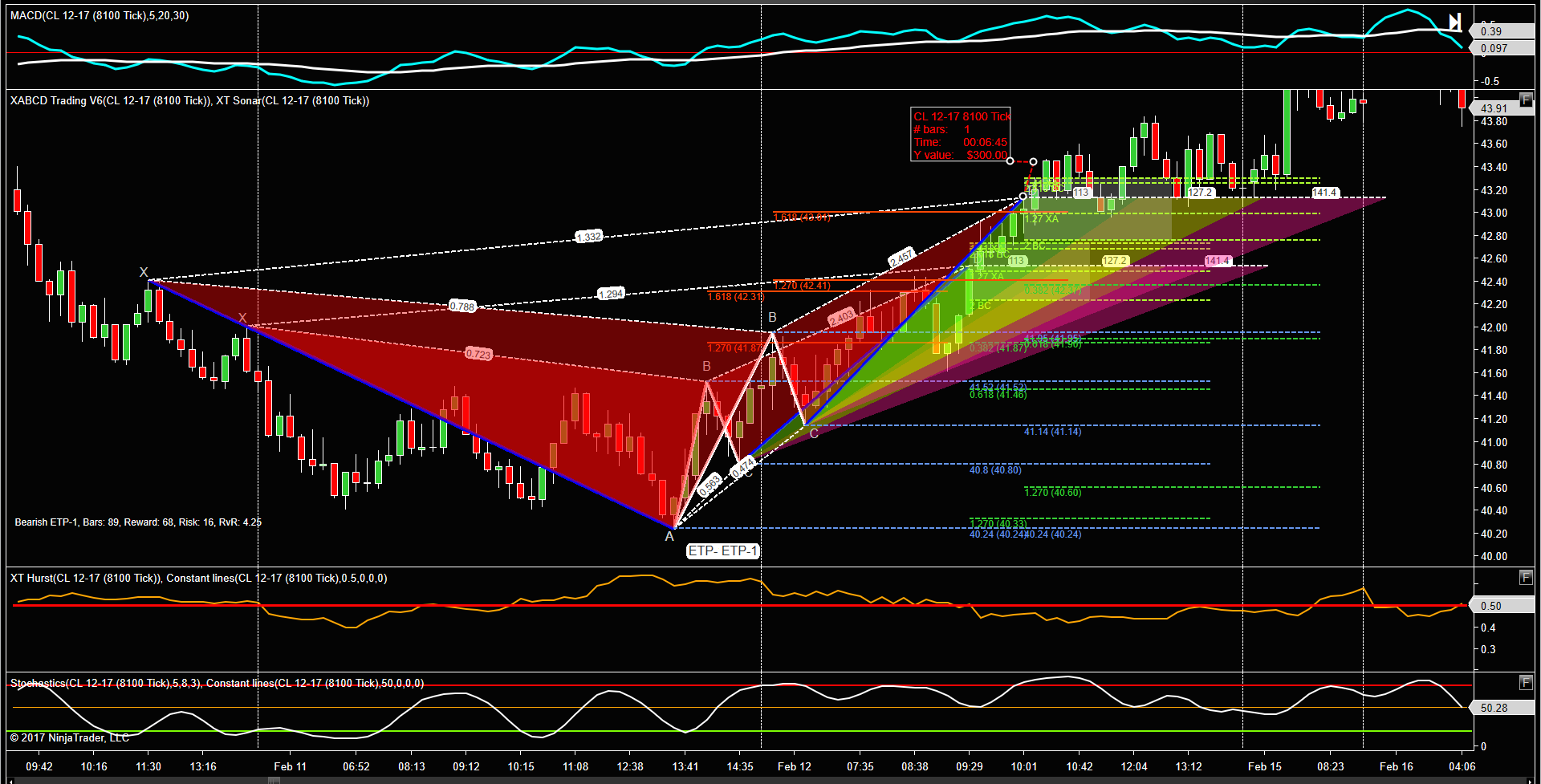


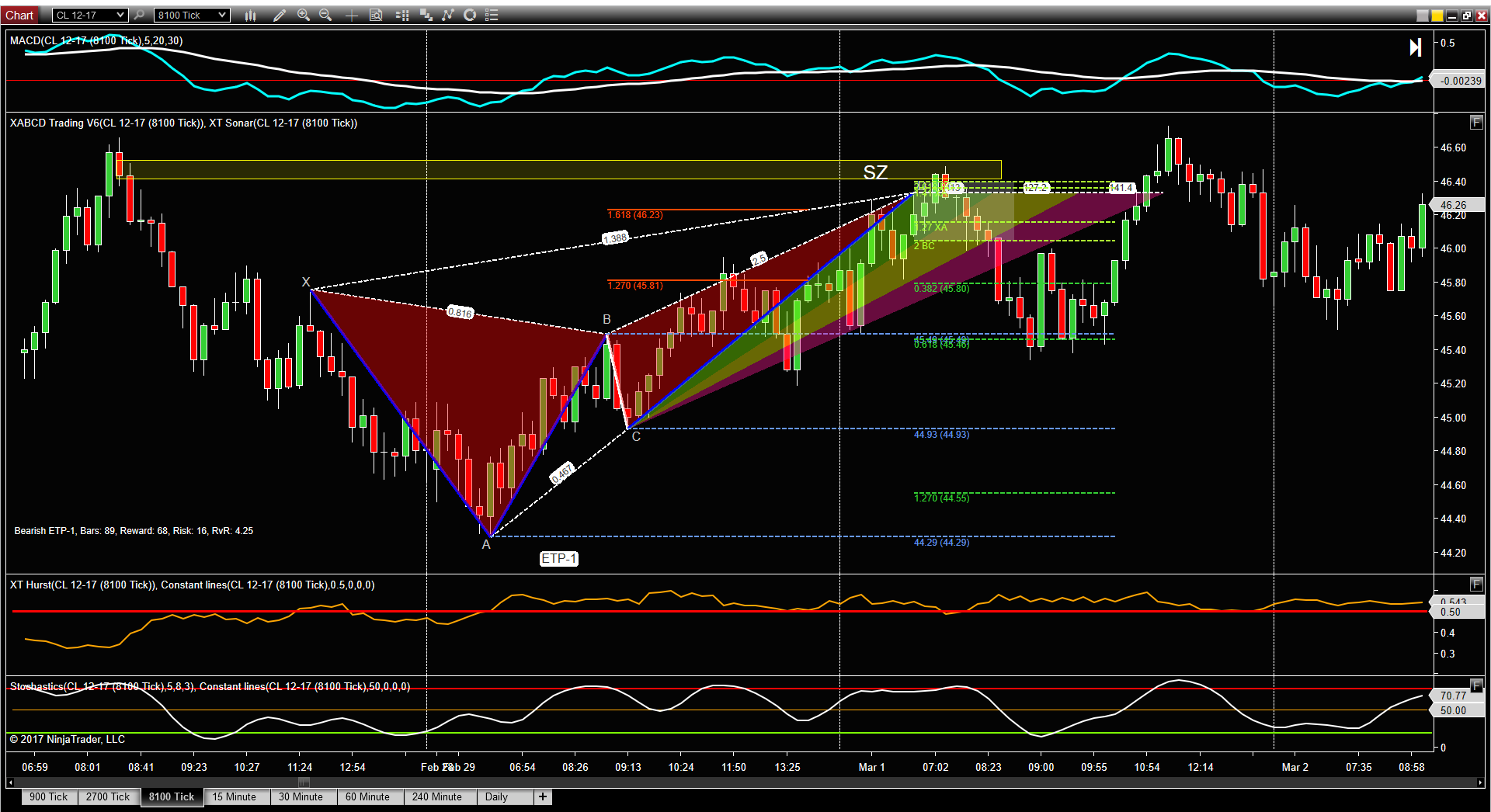


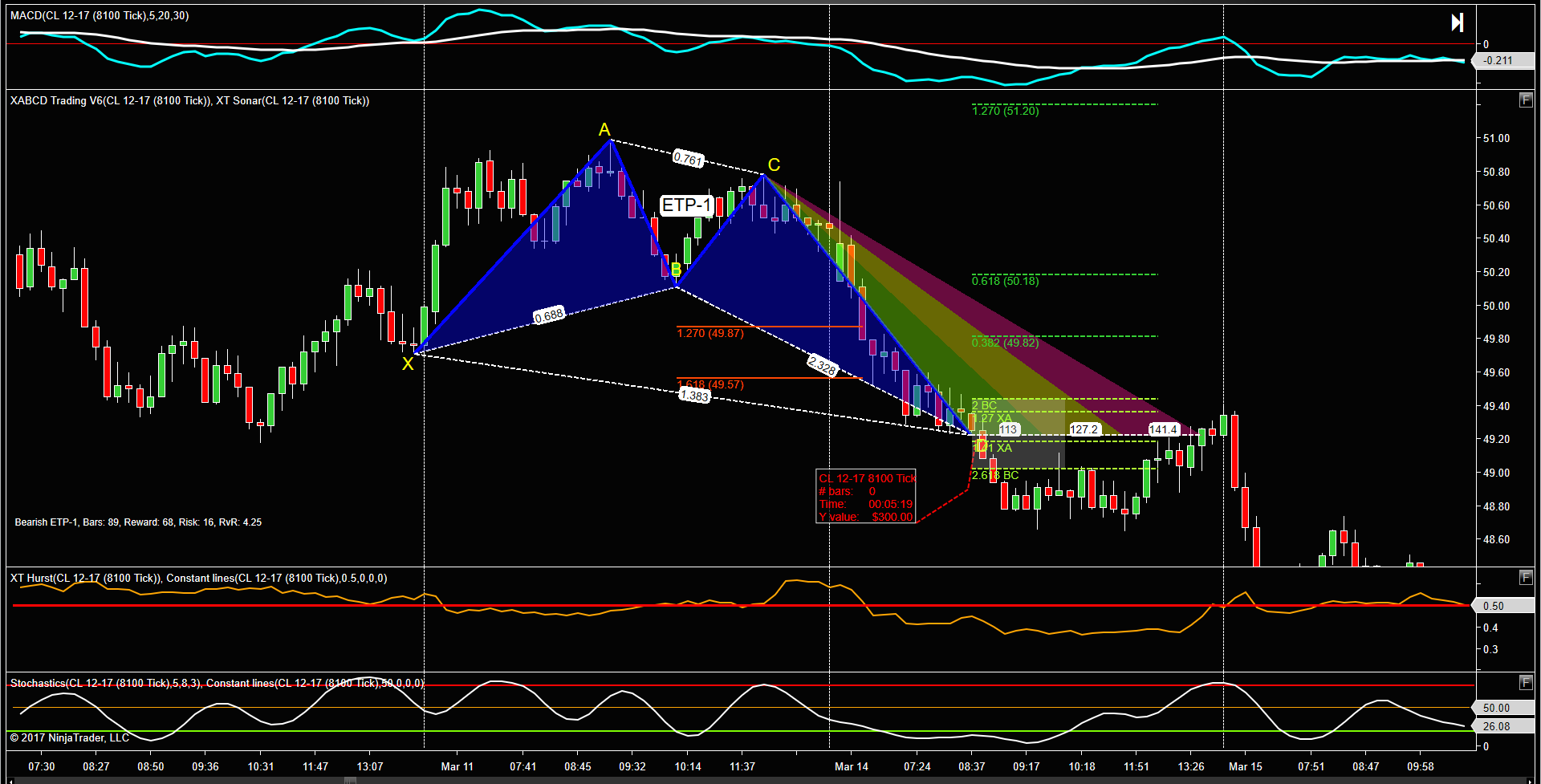






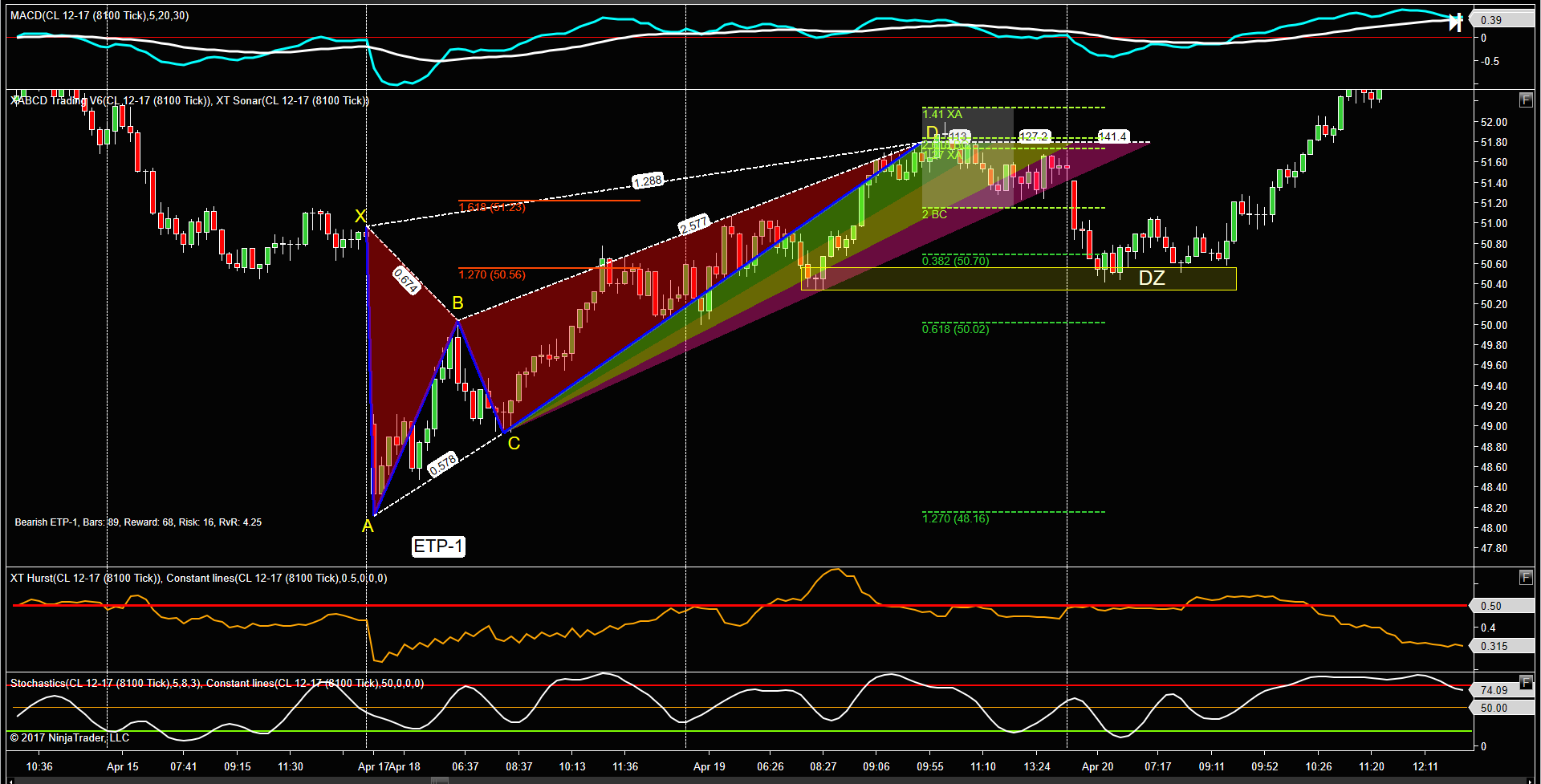


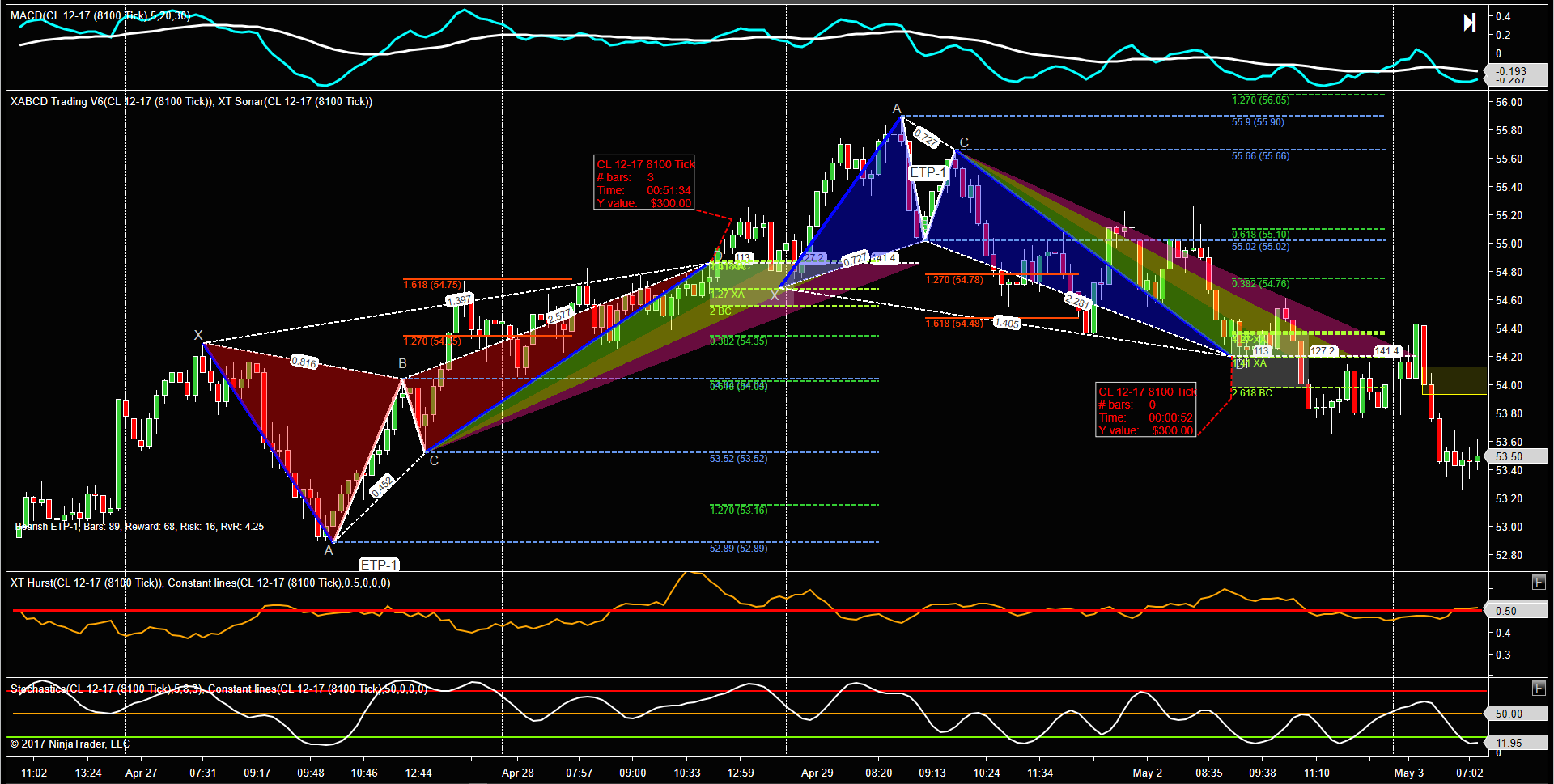


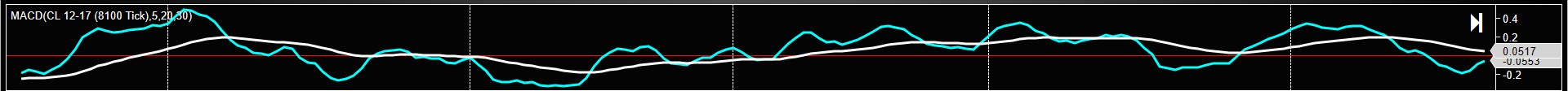


Bearish ETP-1, Bars: 89, Reward: 68, Risk: 16, RvR: 4.25

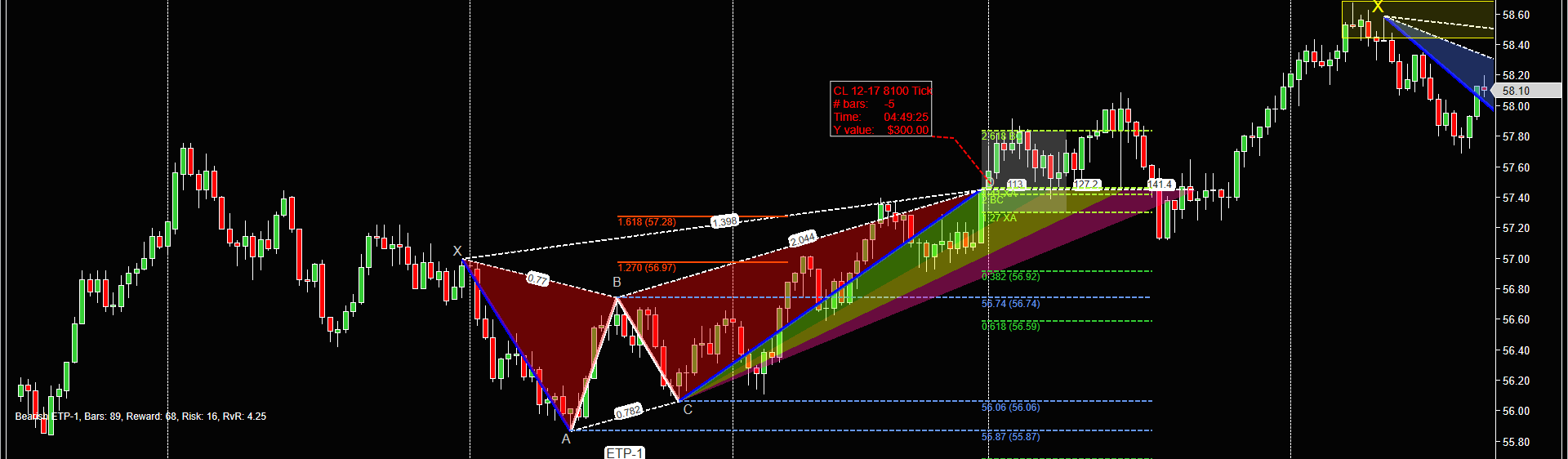
CL 12-17 8100 Tick
bars: 0
Time: 00:05:19
Y value: \$300.00







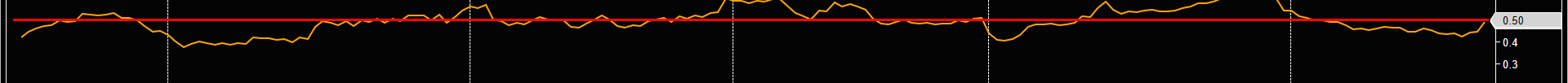
XABCD Trading V6(CL 12-17 (8100 Tick)), XT Sonar(CL 12-17 (8100 Tick))



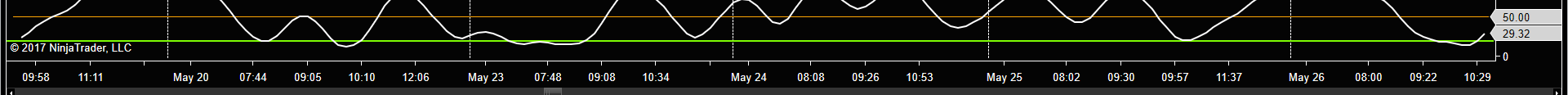
CL 12-17 8100 Tick
bars: -5
Time: 04:49:25
Y value: \$300.00

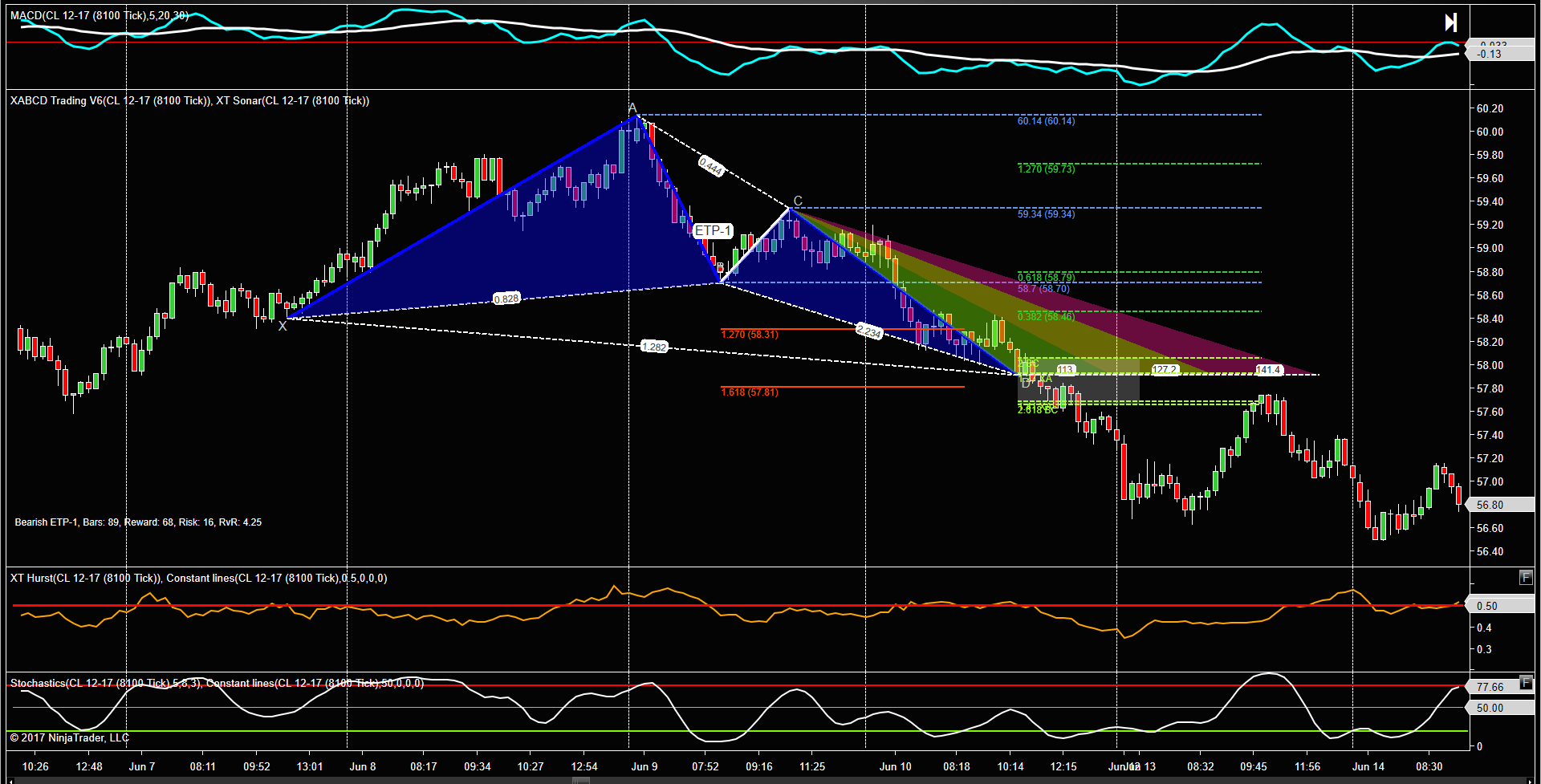
Beast ETP-1, Bars: 89, Reward: 68, Risk: 16, RvR: 4.25

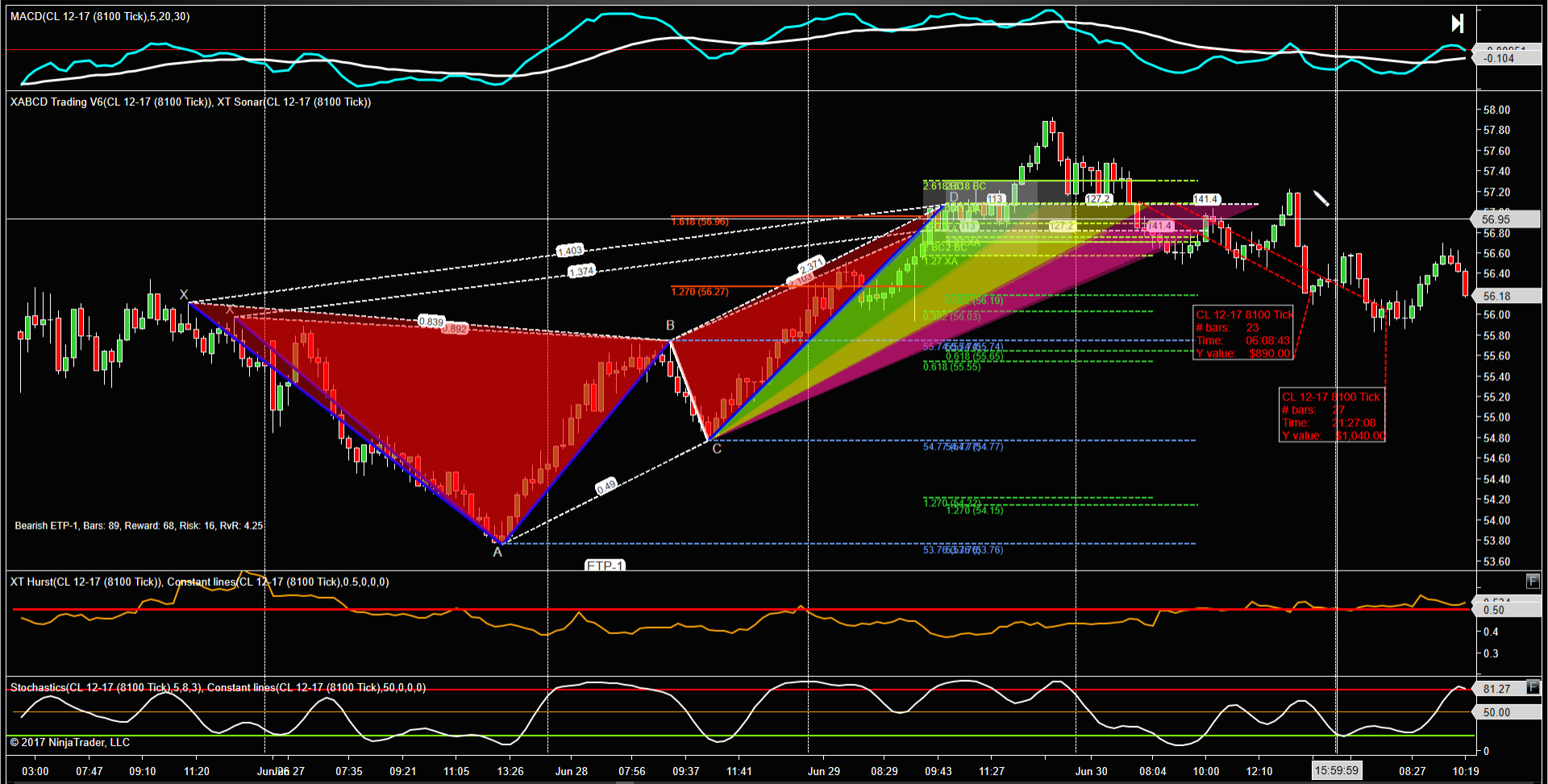
XT Hurst(CL 12-17 (8100 Tick)), Constant lines(CL 12-17 (8100 Tick),0.5,0,0,0)

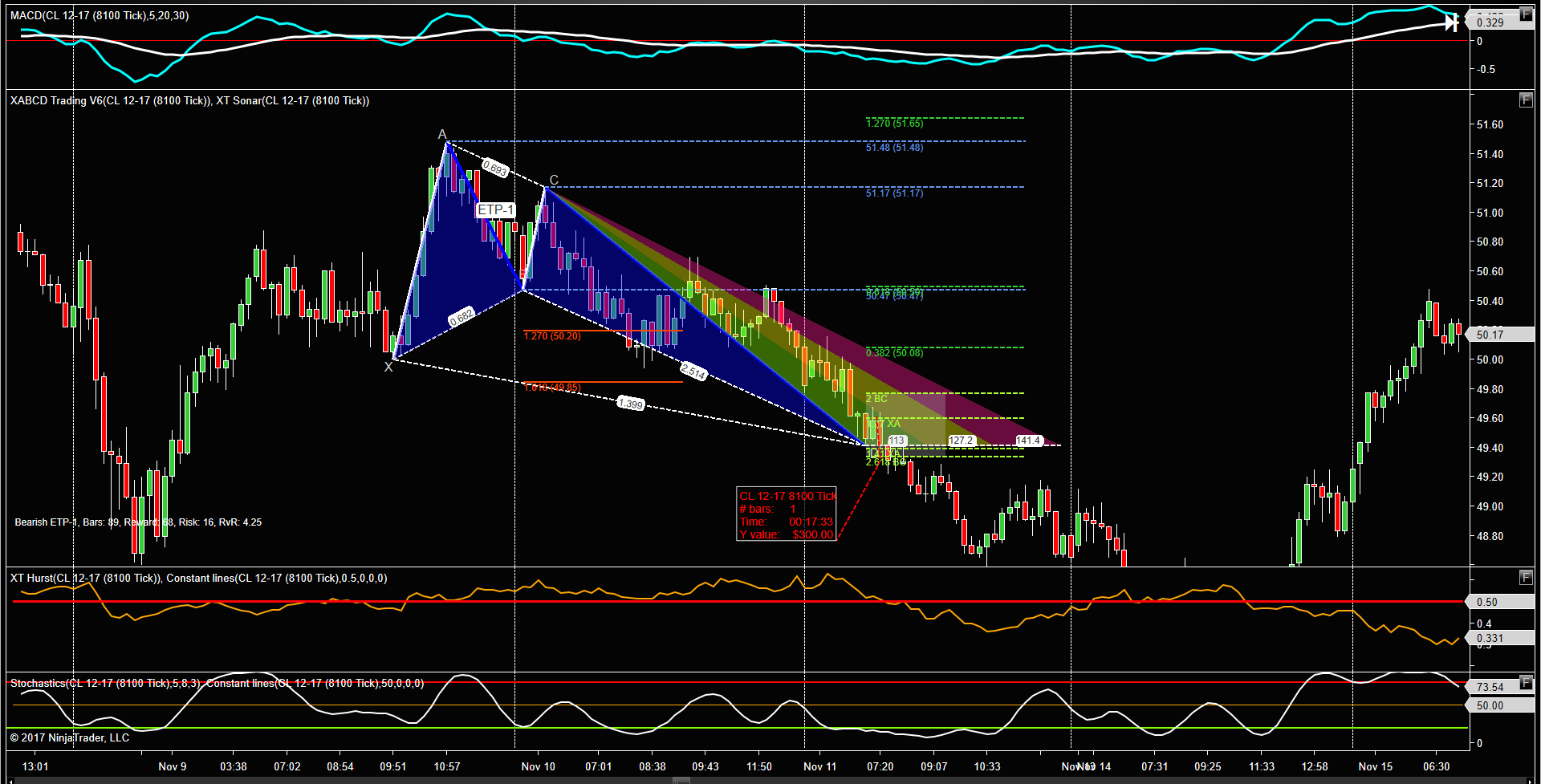


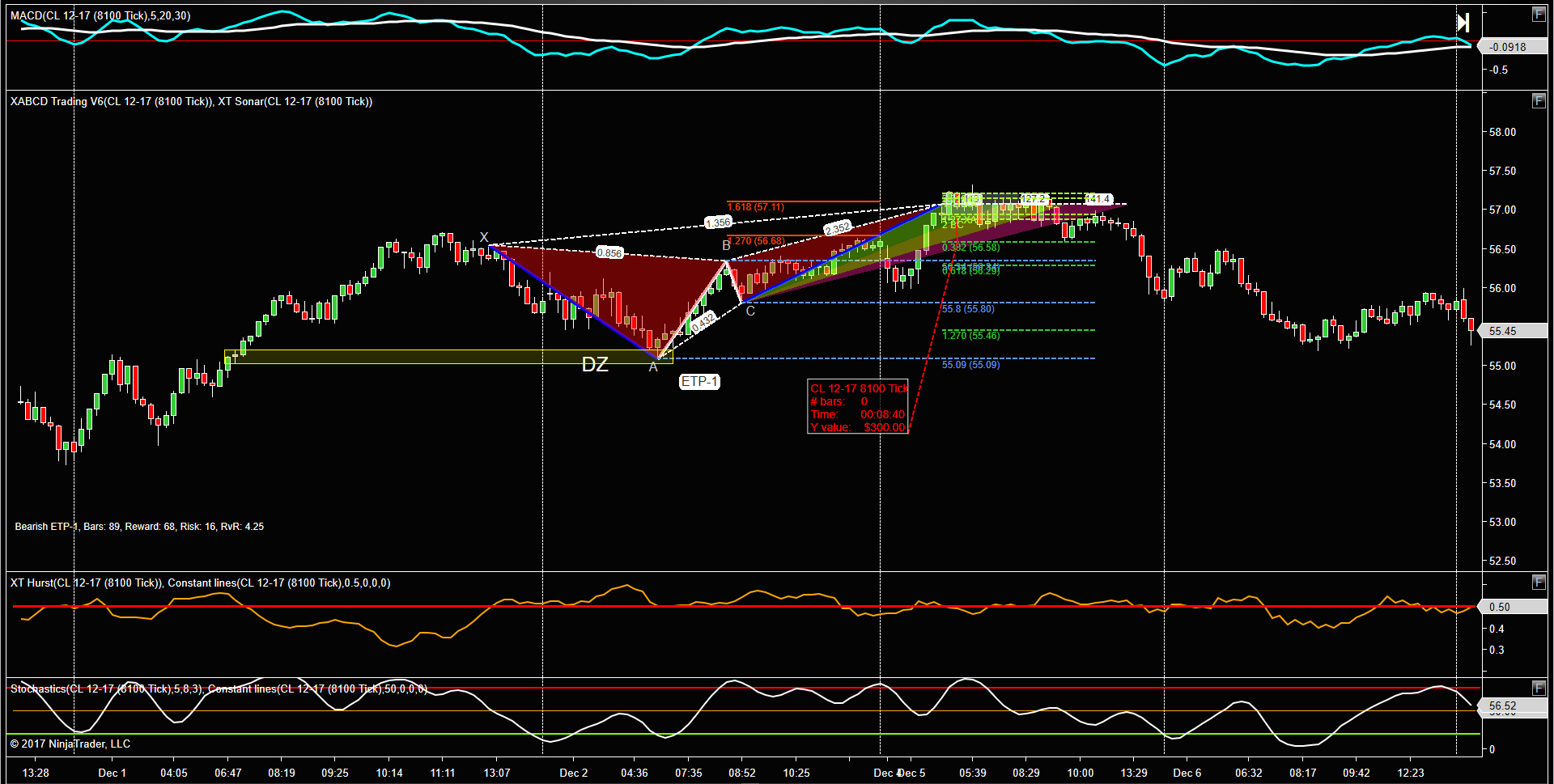
Stochastics(CL 12-17 (8100 Tick),5,3,3), Constant lines(CL 12-17 (8100 Tick),50,9,0,0)











CL 12-17 8100 Tick
bars: 0
Time: 00:08:40
Y value: \$300.00

DZ
A
ETP-1

1.618 (57.11)

0.856

1.356

0.270 (56.68)

0.352

0.332

0.332 (56.58)

0.332 (56.58)

0.332 (56.58)

0.332 (56.58)

0.332 (56.58)

0.332 (56.58)

0.332 (56.58)

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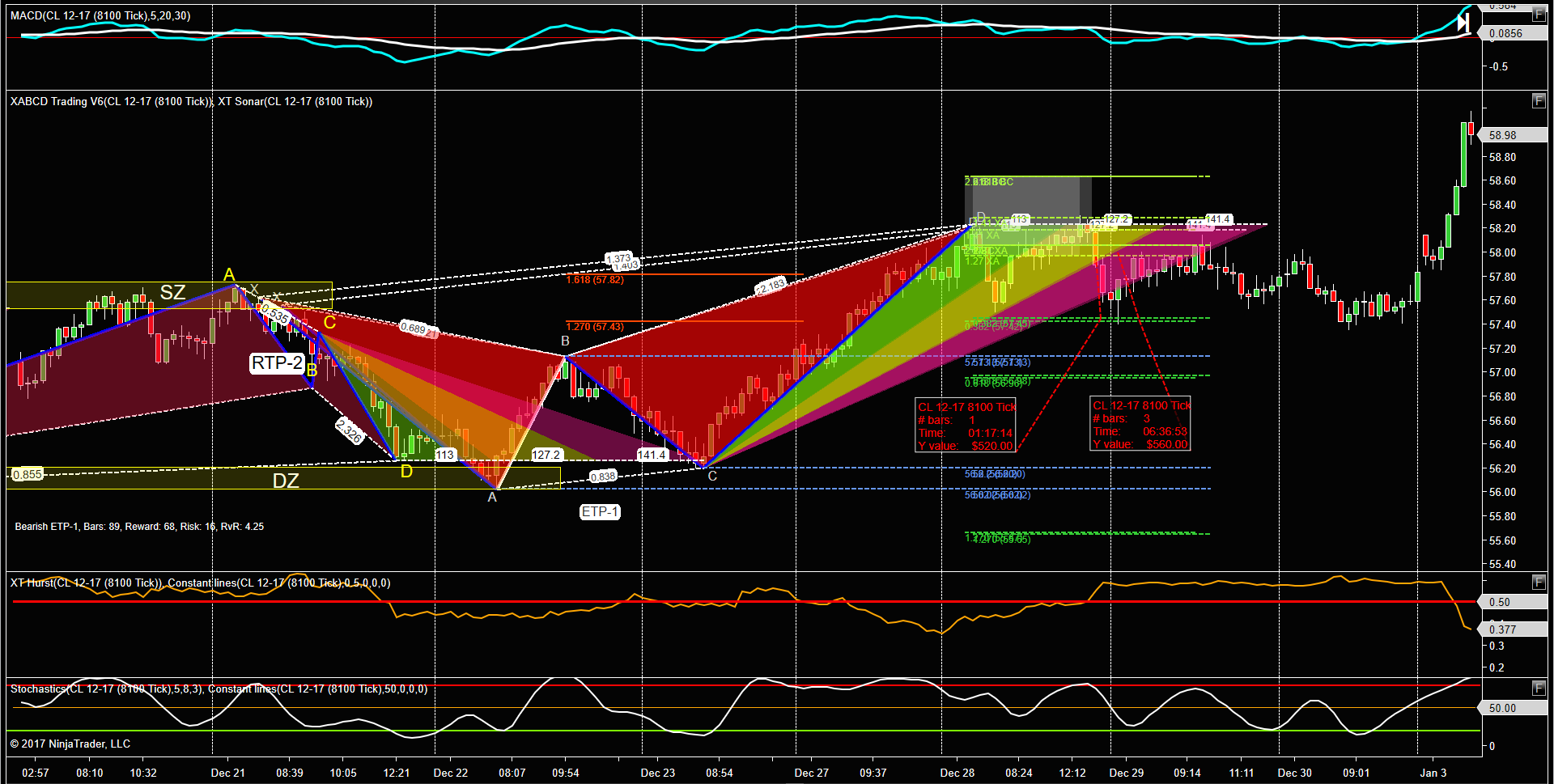
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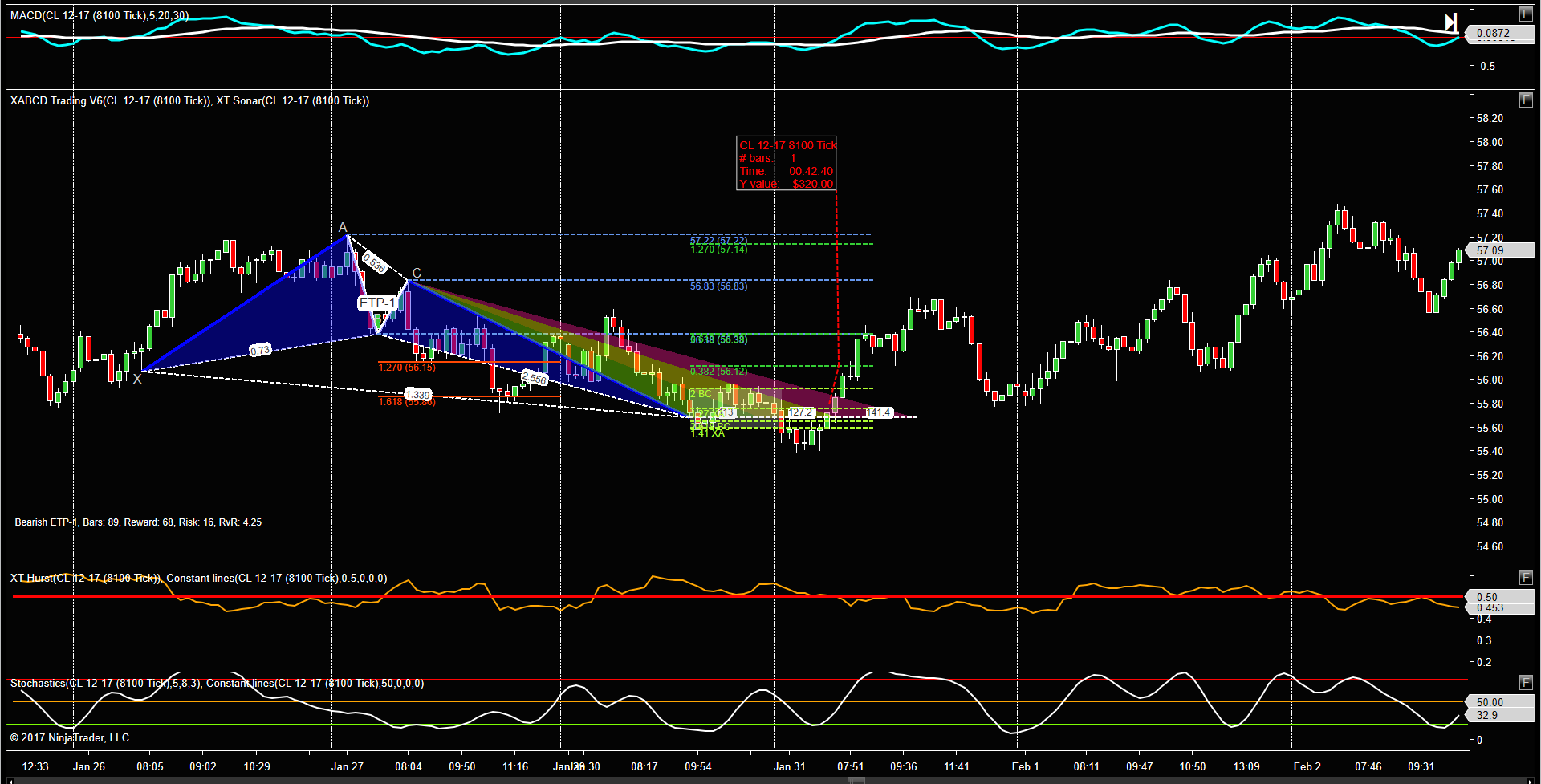
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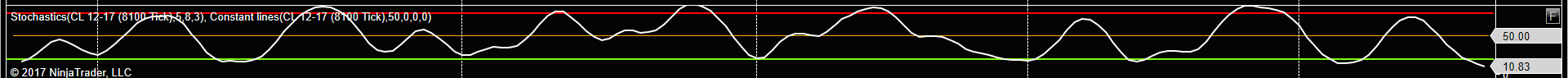
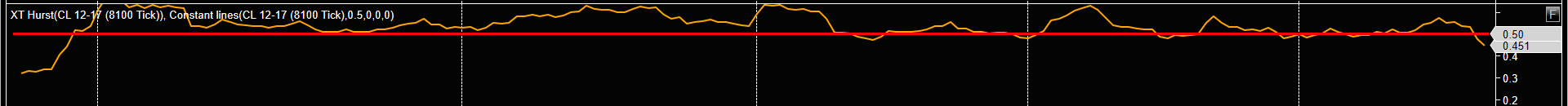
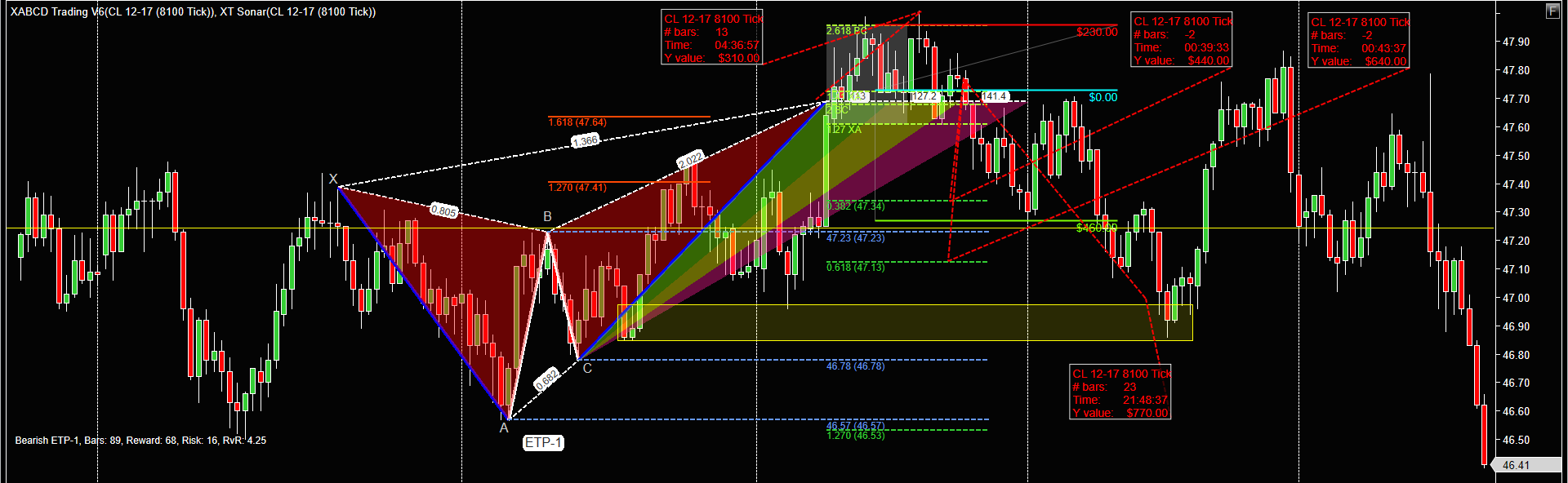
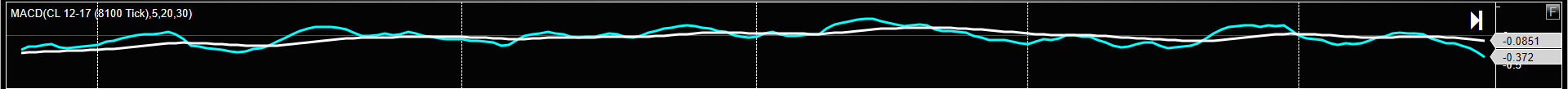
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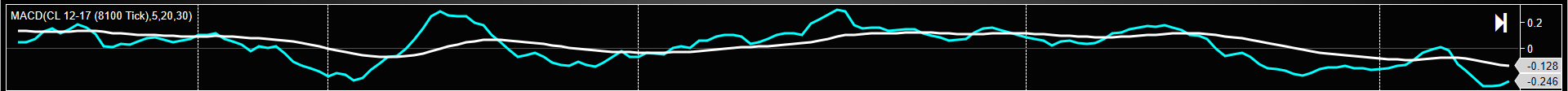
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0.3
56.52
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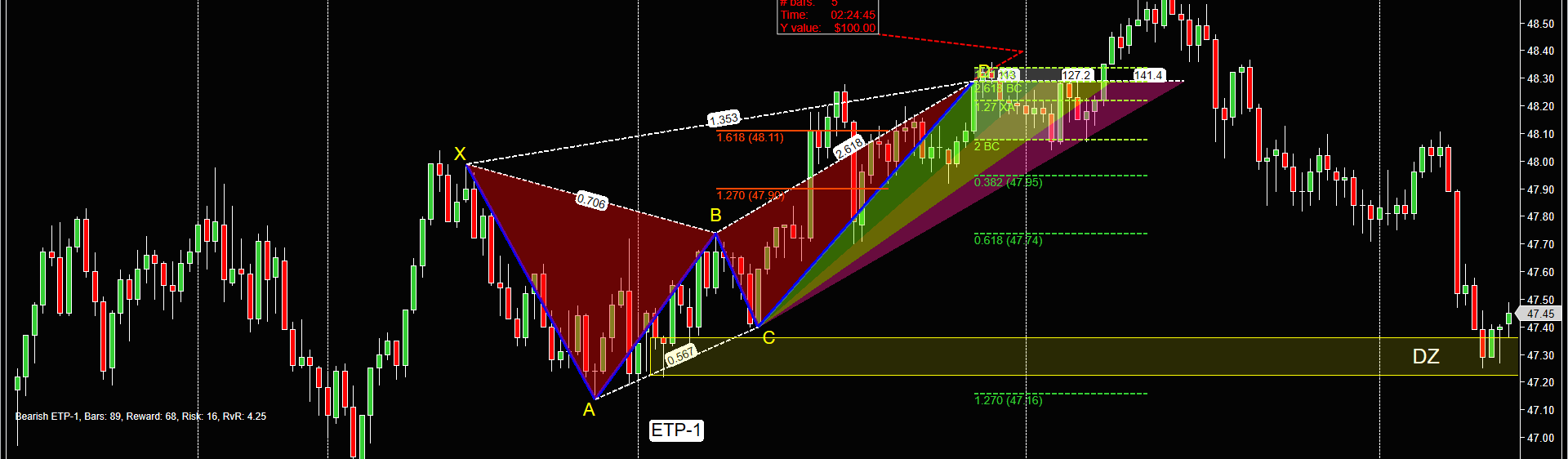






XABCD Trading V6 (CL 12-17 (8100 Tick)), XT Sonar (CL 12-17 (8100 Tick))

CL 12-17 8100 Tick
bars: 5
Time: 02:24:45
Y value: \$100.00

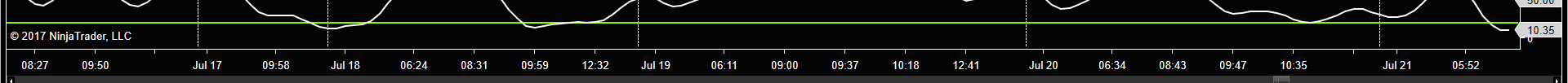


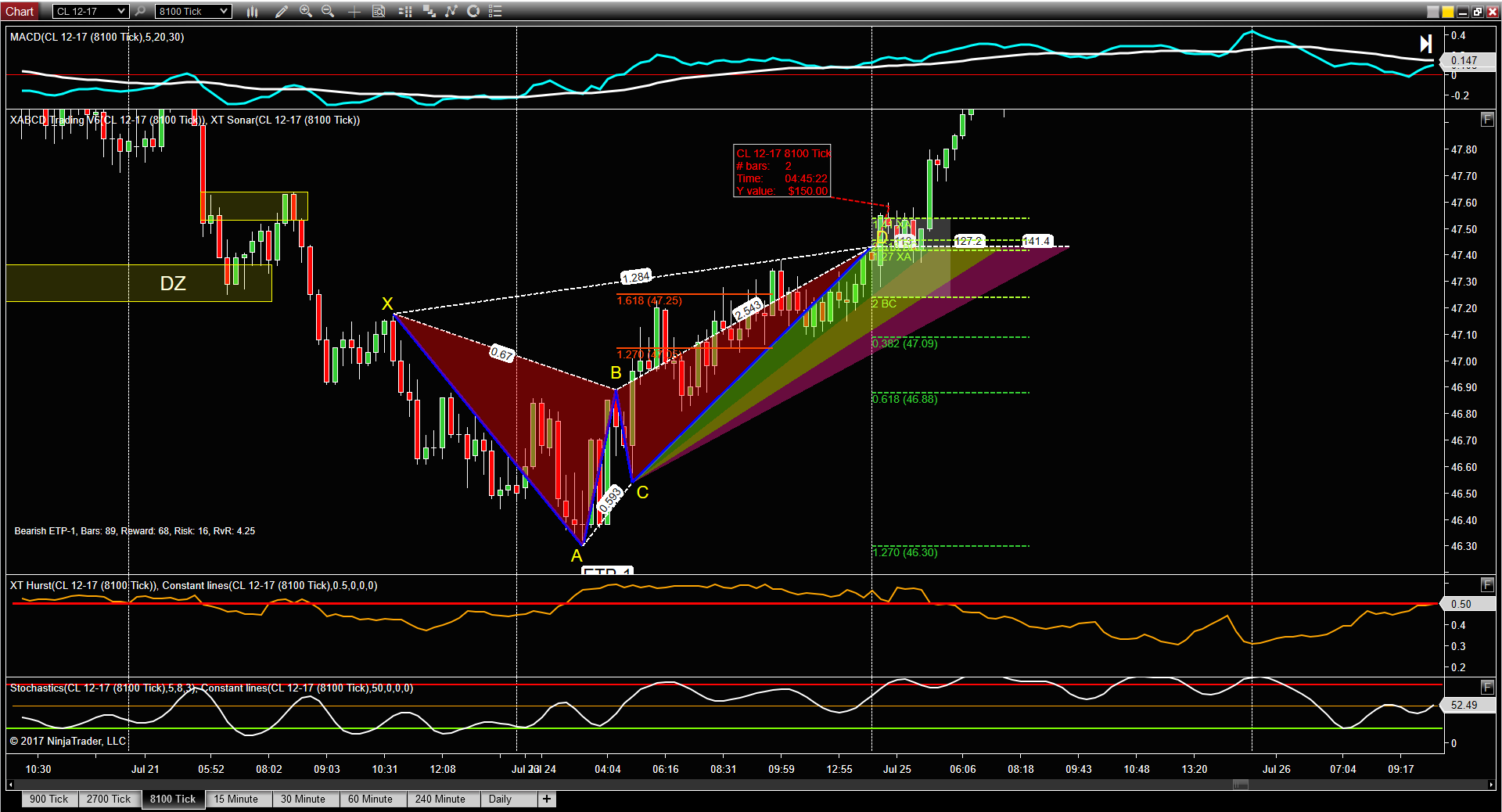
Bearish ETP-1, Bars: 89, Reward: 68, Risk: 16, RvR: 4.25

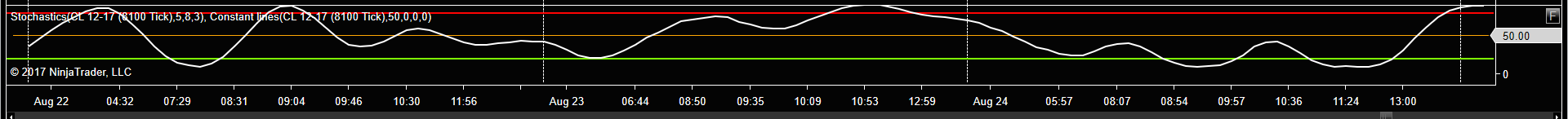
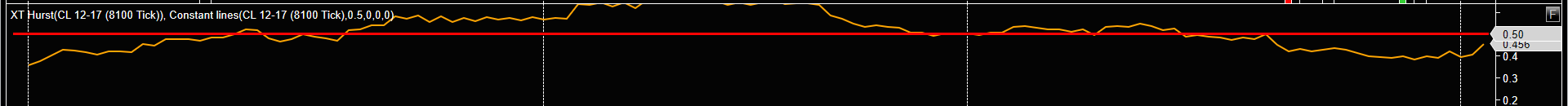
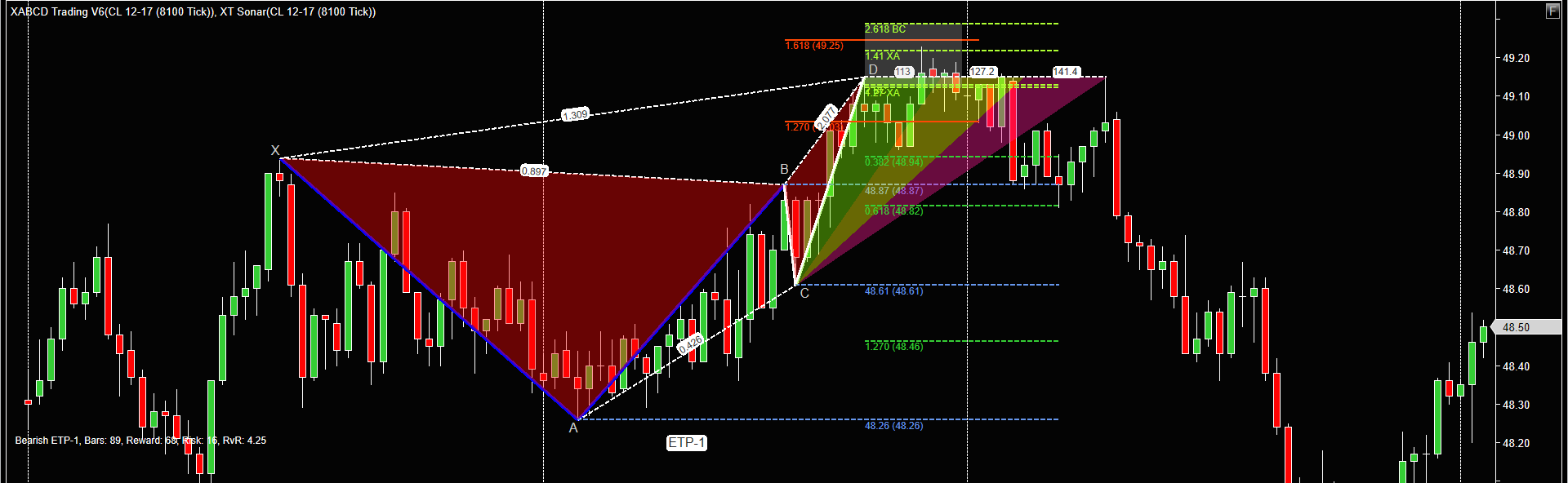
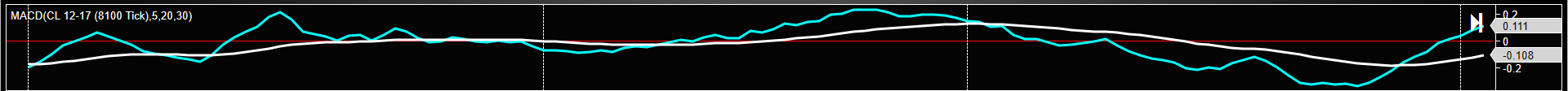
XT Hurst (CL 12-17 (8100 Tick)), Constant lines (CL 12-17 (8100 Tick), 0.5, 0, 0, 0)

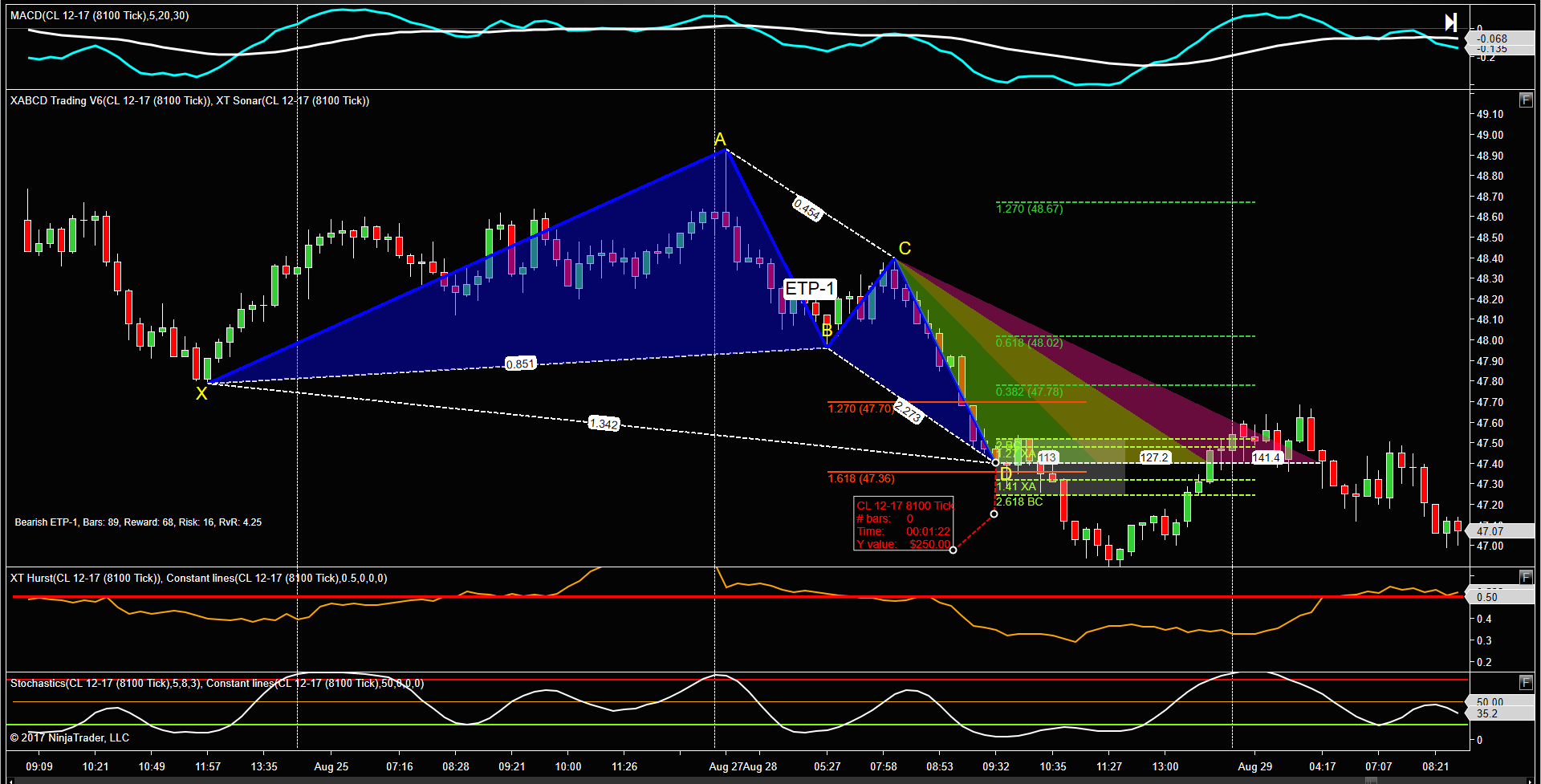


Stochastics (CL 12-17 (8100 Tick), 5, 8, 3), Constant lines (CL 12-17 (8100 Tick), 50, 0, 0, 0)







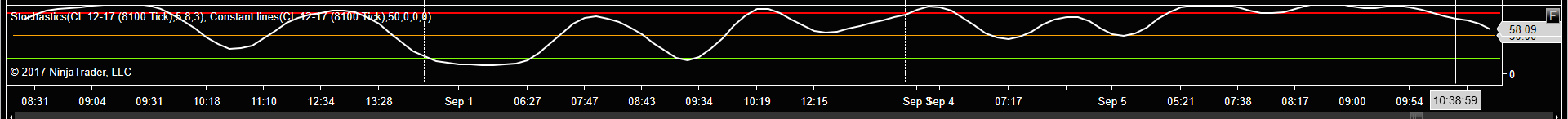
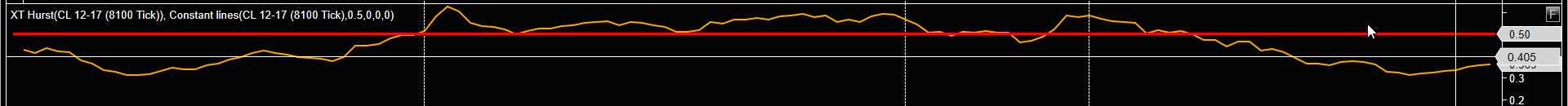
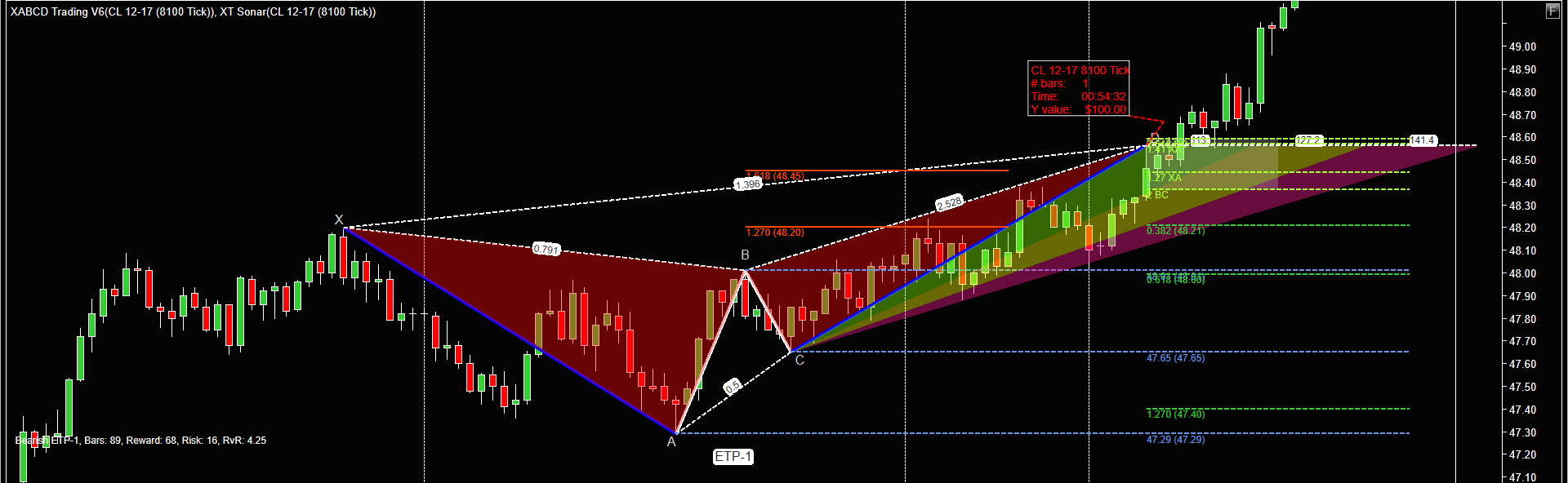
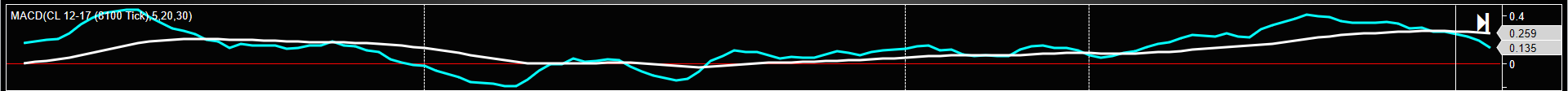


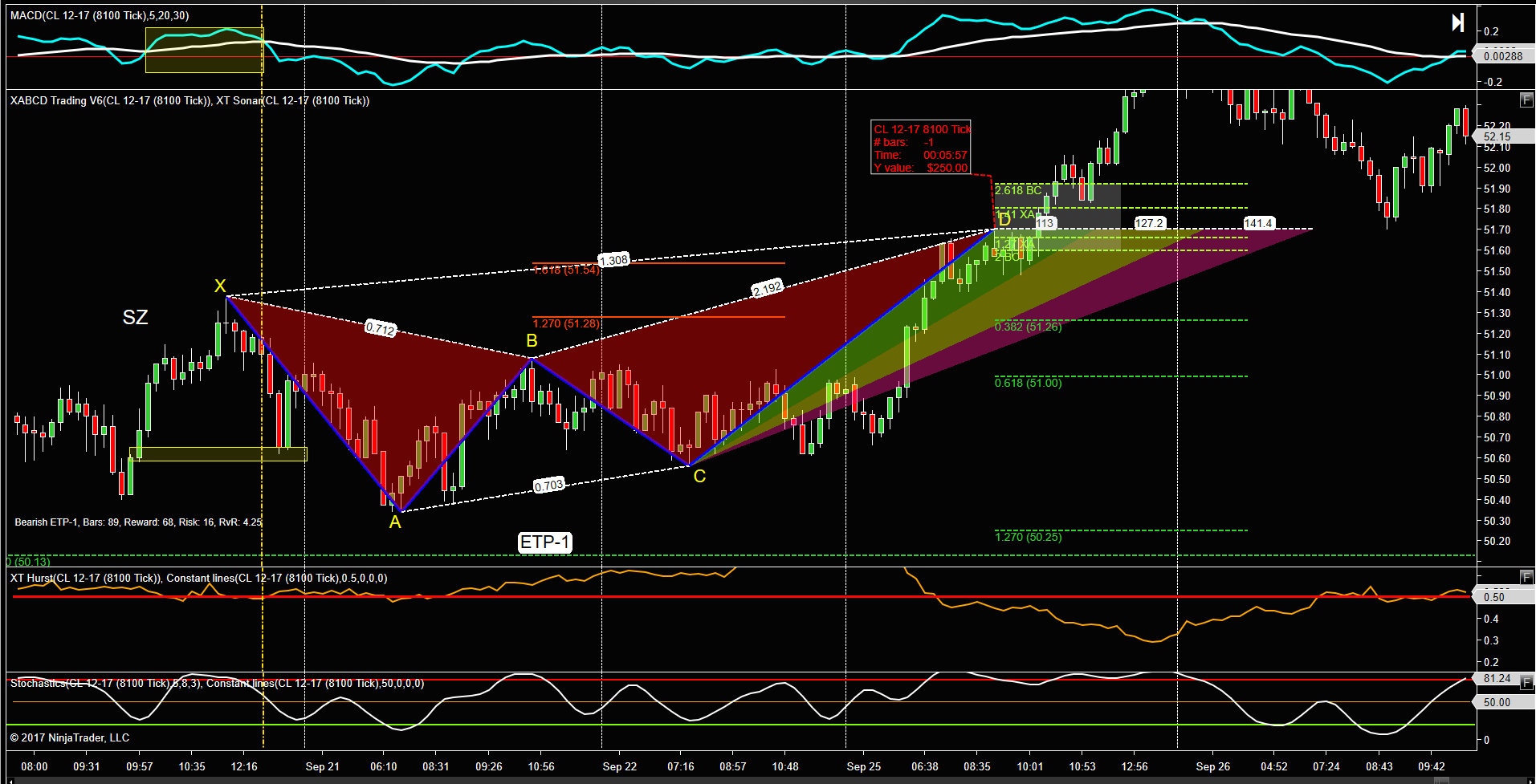
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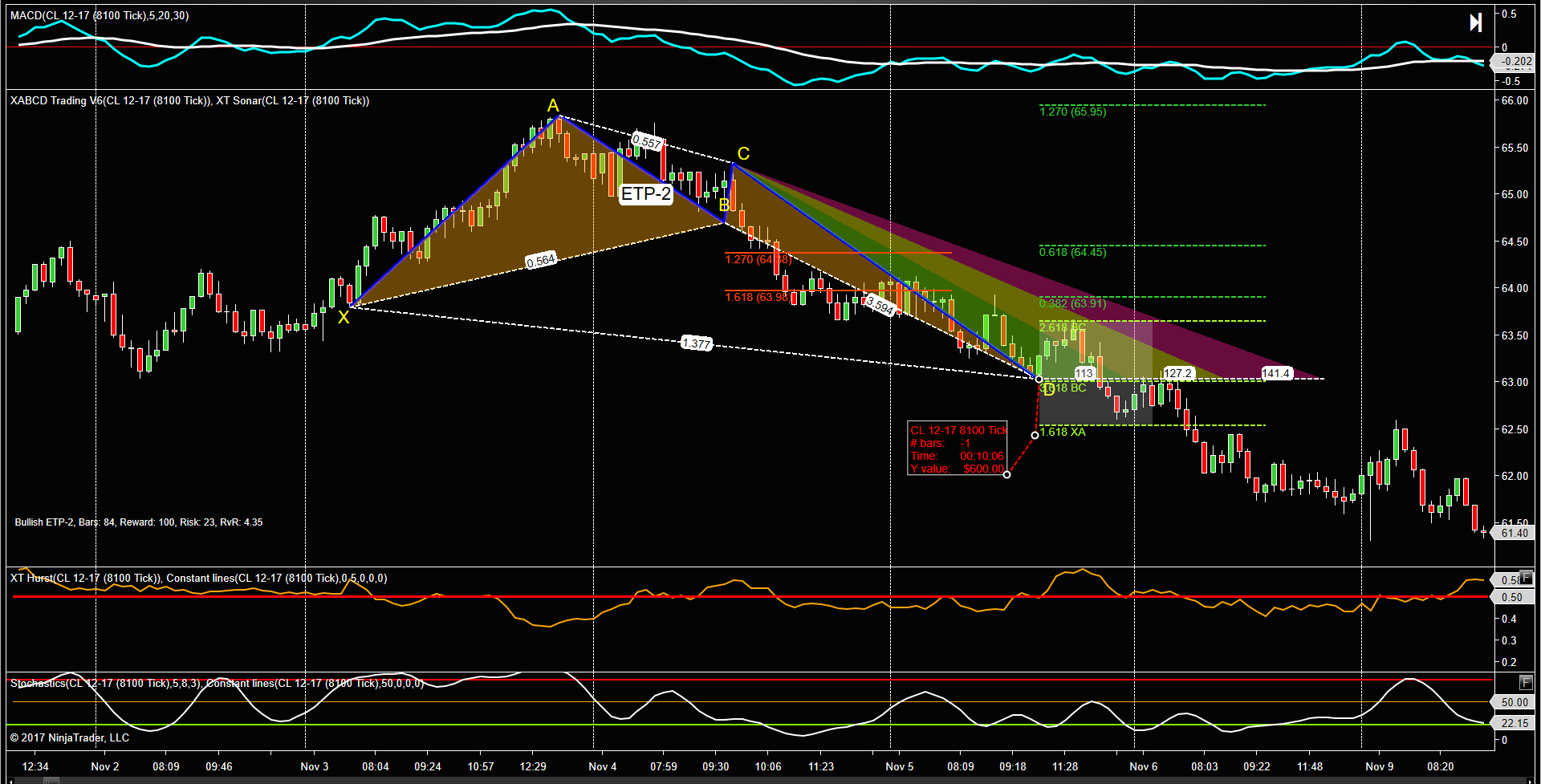
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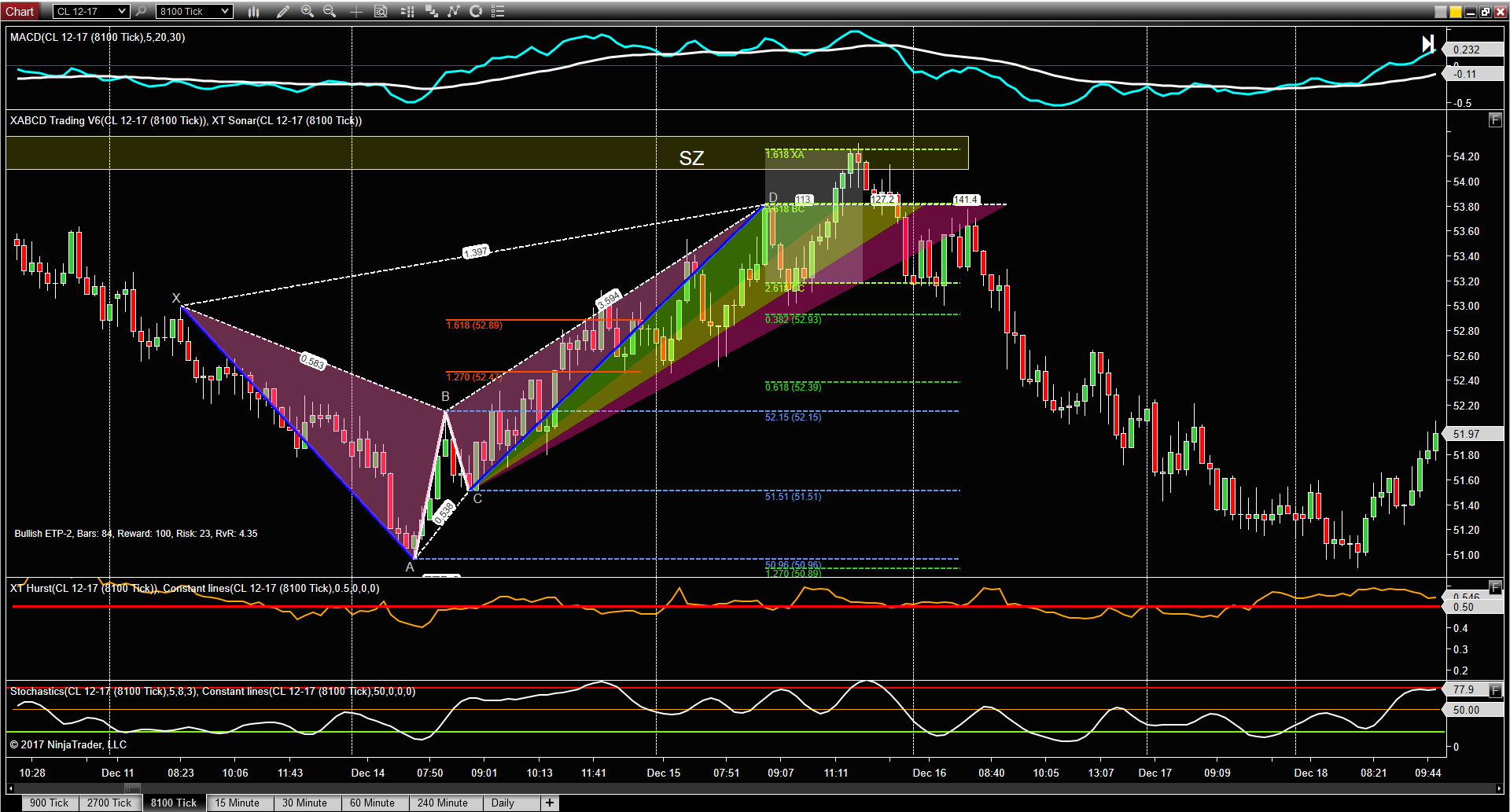
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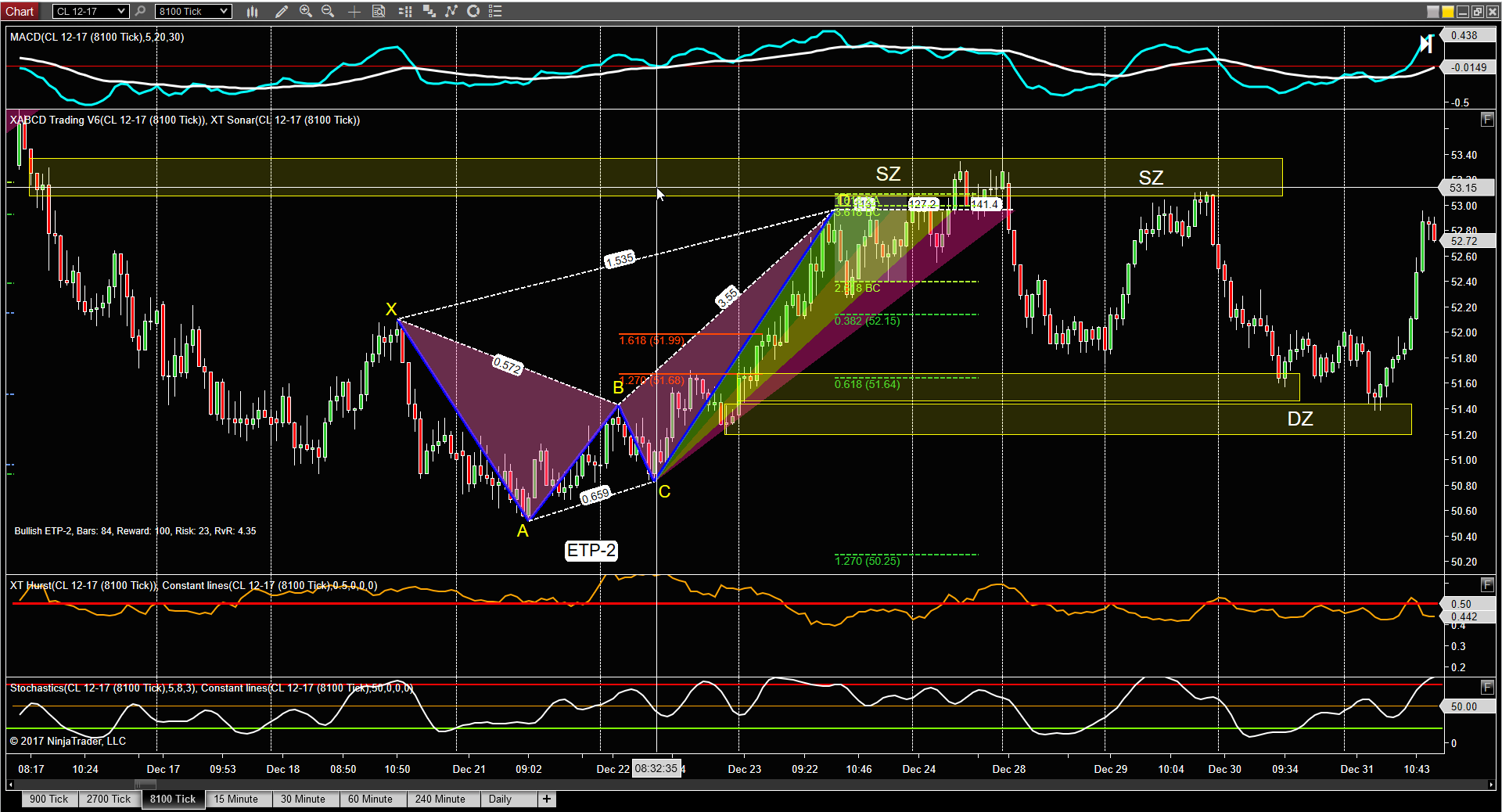


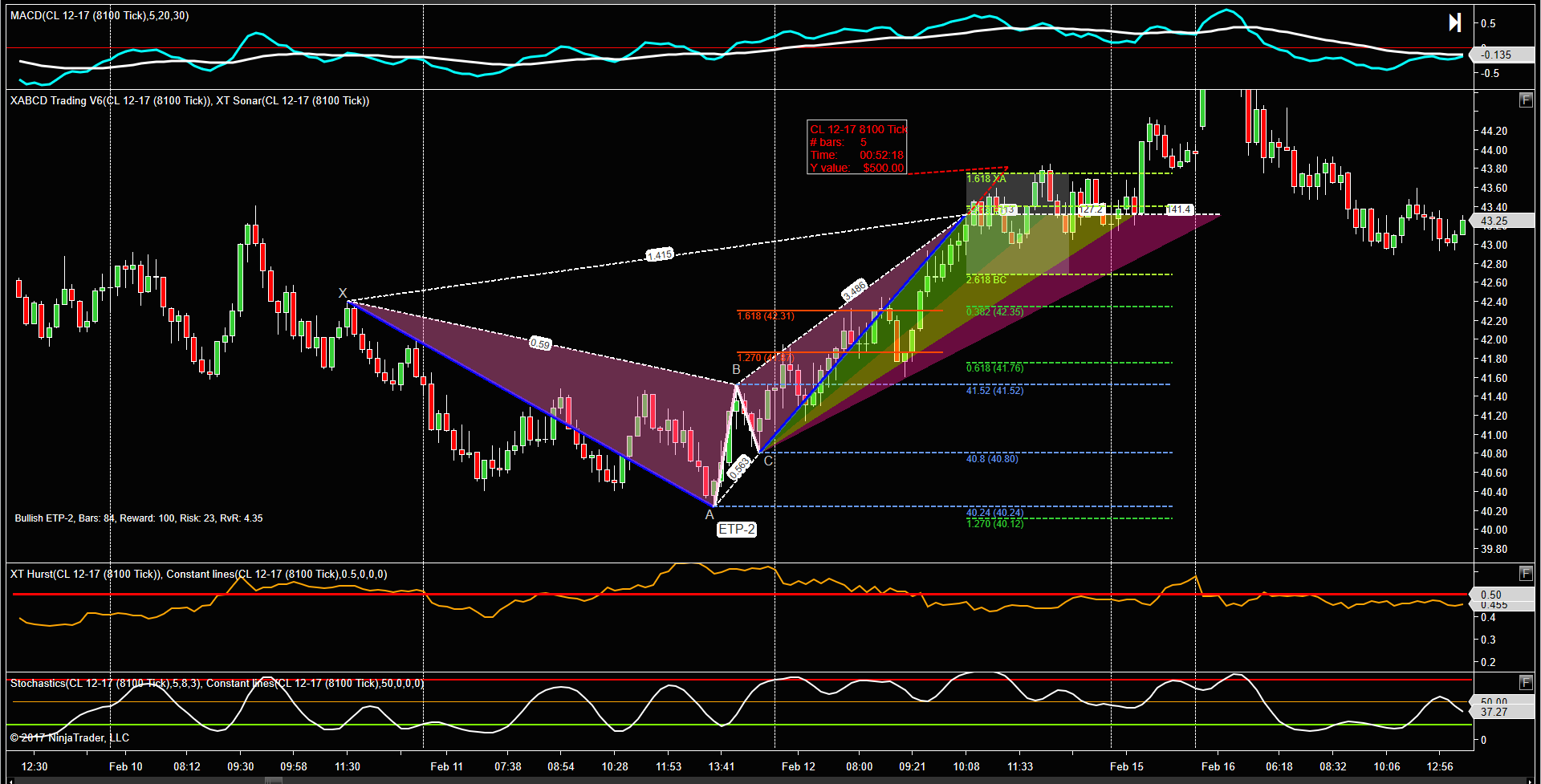


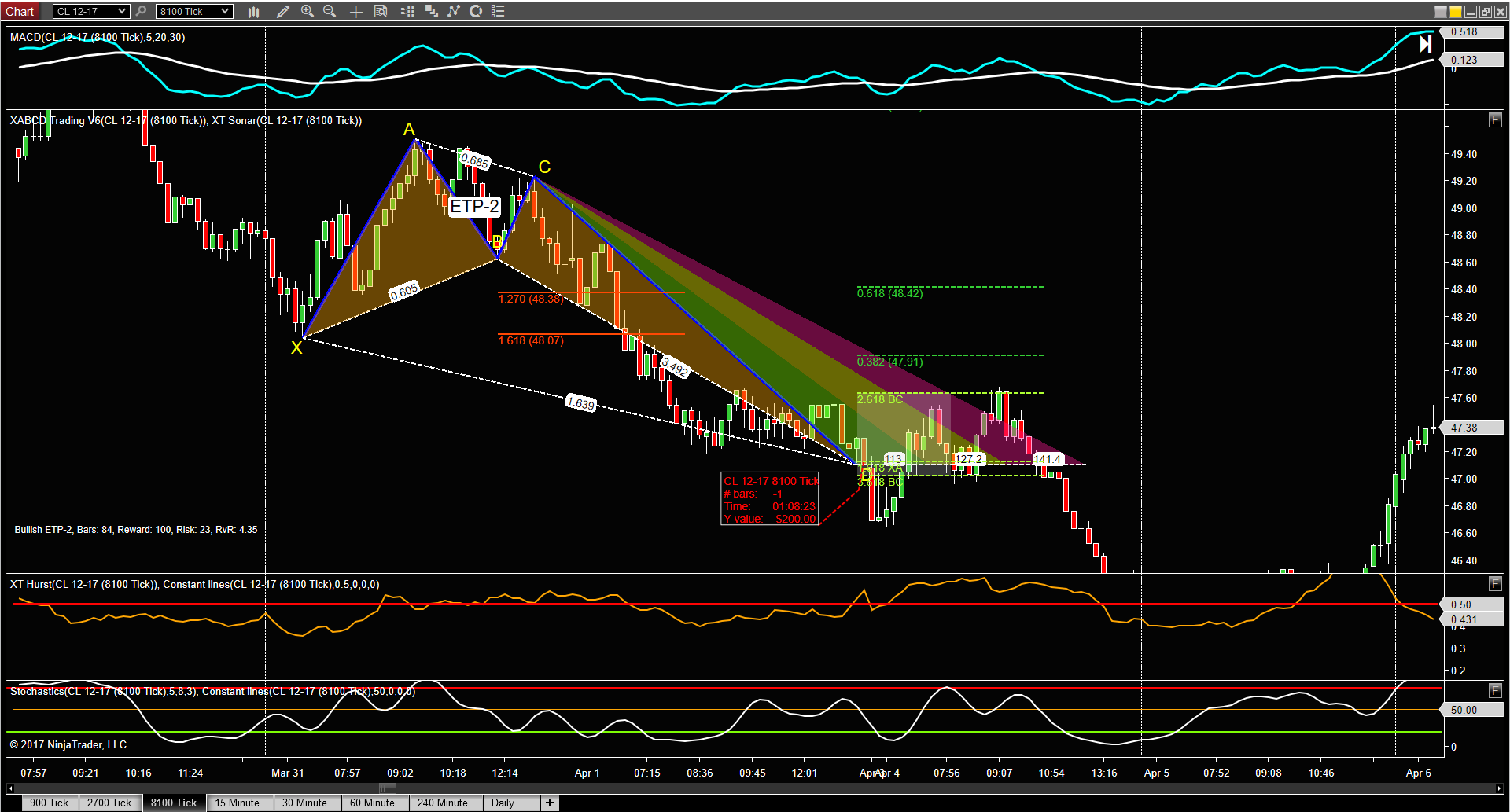


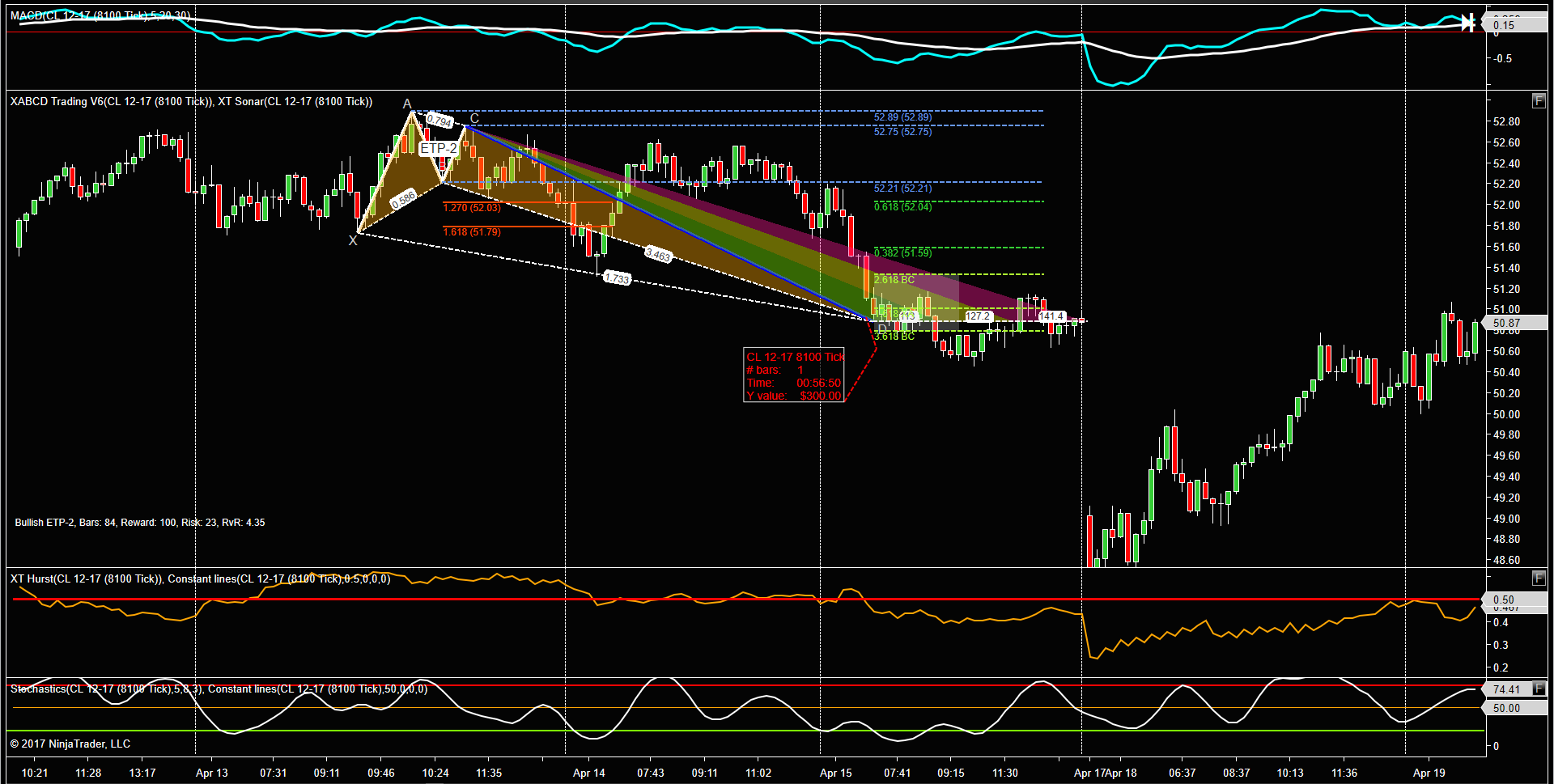
CL 12-17 8100 Tick
bars: -1
Time: 00:10:06
Y value: \$600.00

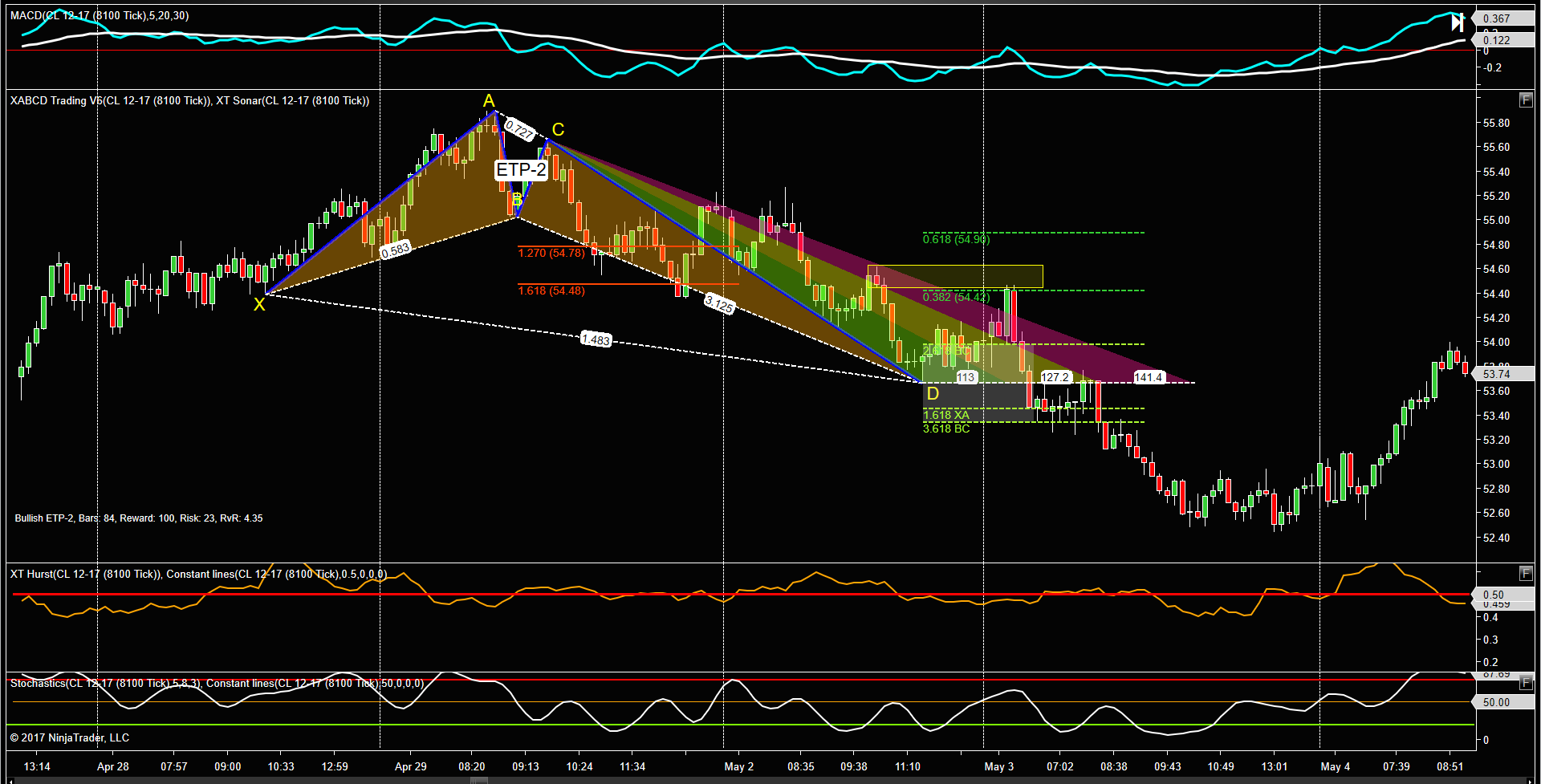












MACD (CL 12-17 (8100 Tick), 5, 20, 30)

XABCD Trading V6 (CL 12-17 (8100 Tick)), XT Sonar (CL 12-17 (8100 Tick))

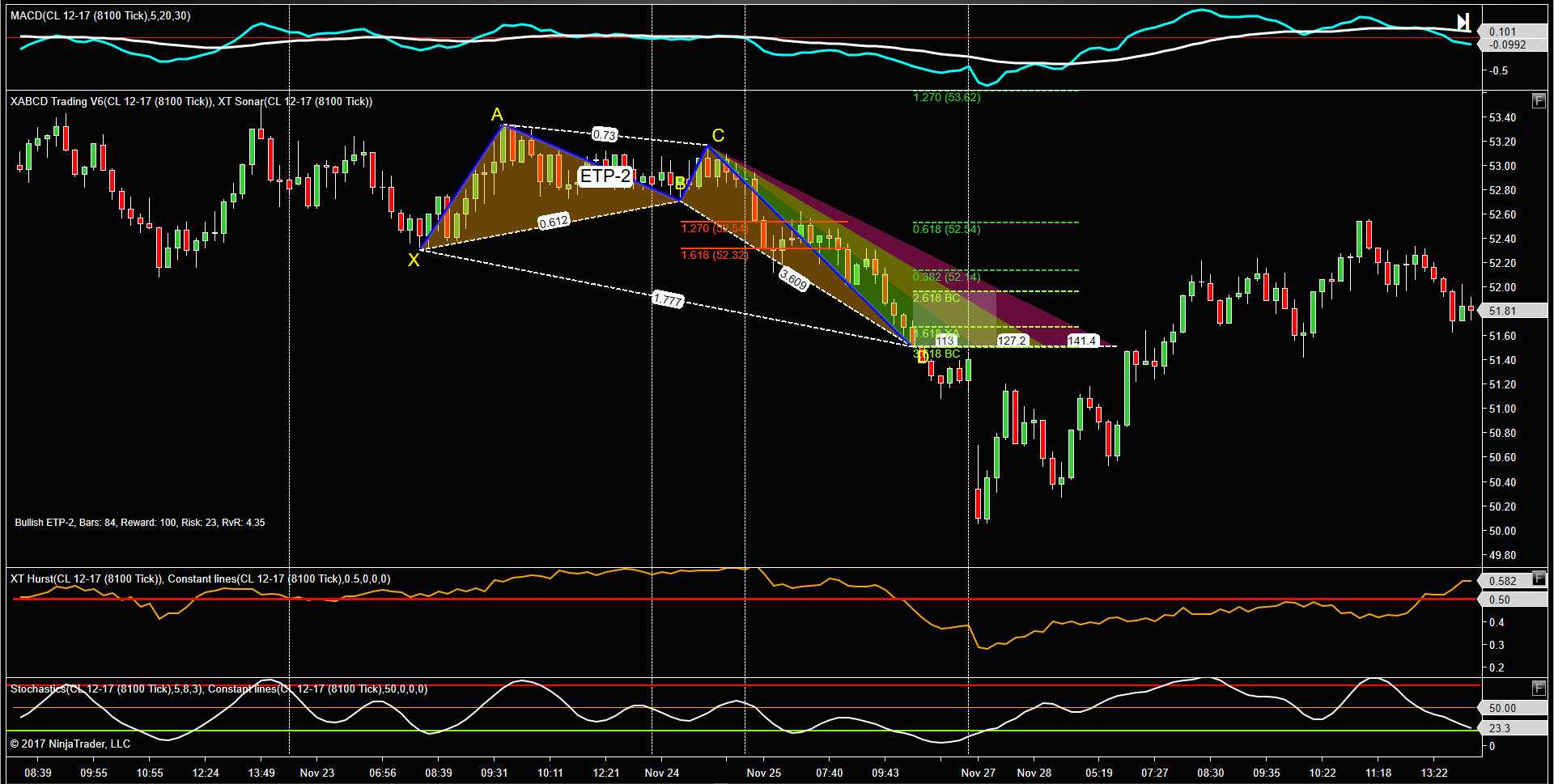
Bullish ETP-2, Bars: 84, Reward: 100, Risk: 23, RvR: 4.35

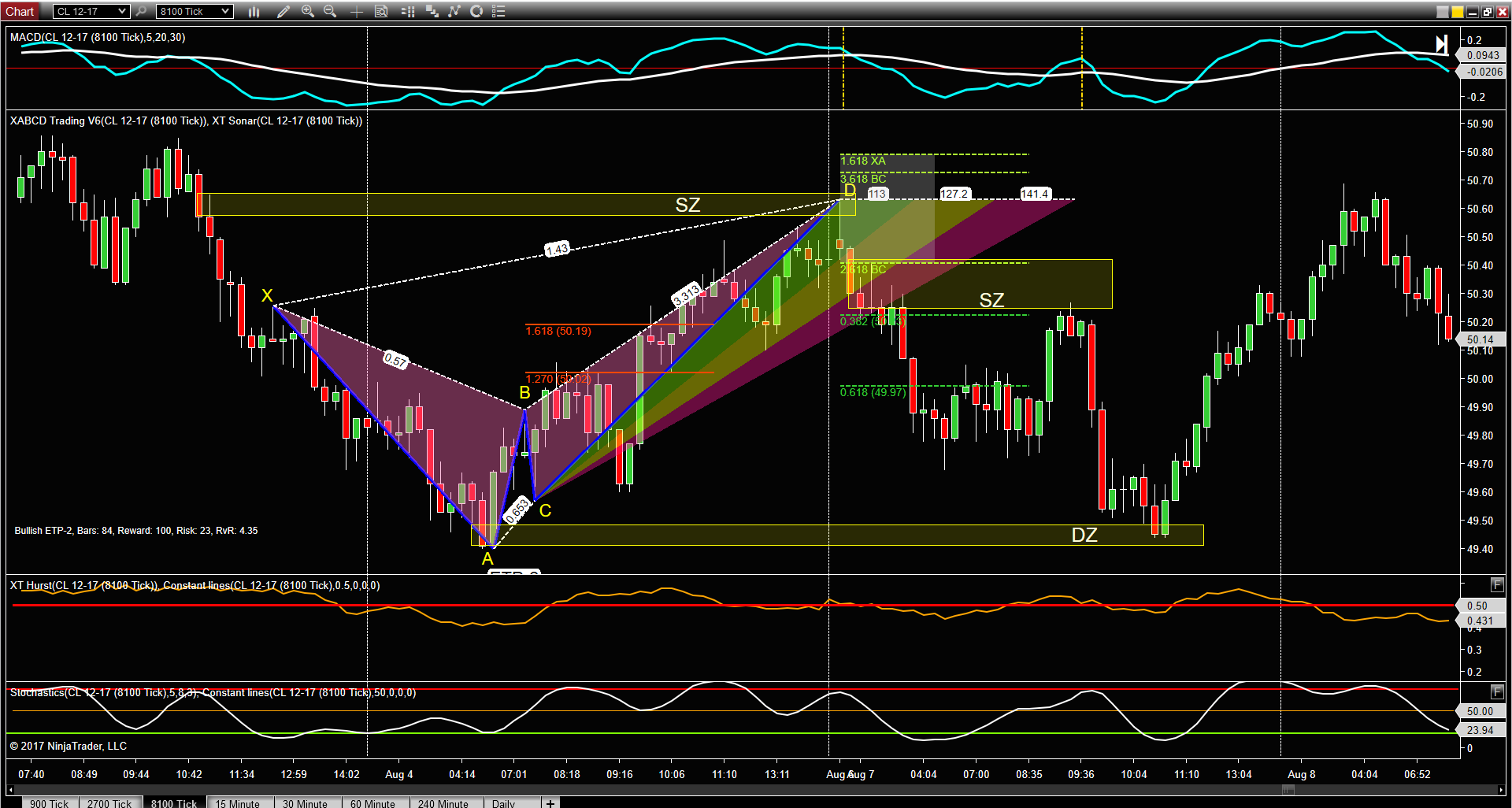
XT Hurst (CL 12-17 (8100 Tick)), Constant lines (CL 12-17 (8100 Tick), 0.5, 0.0, 0.0)

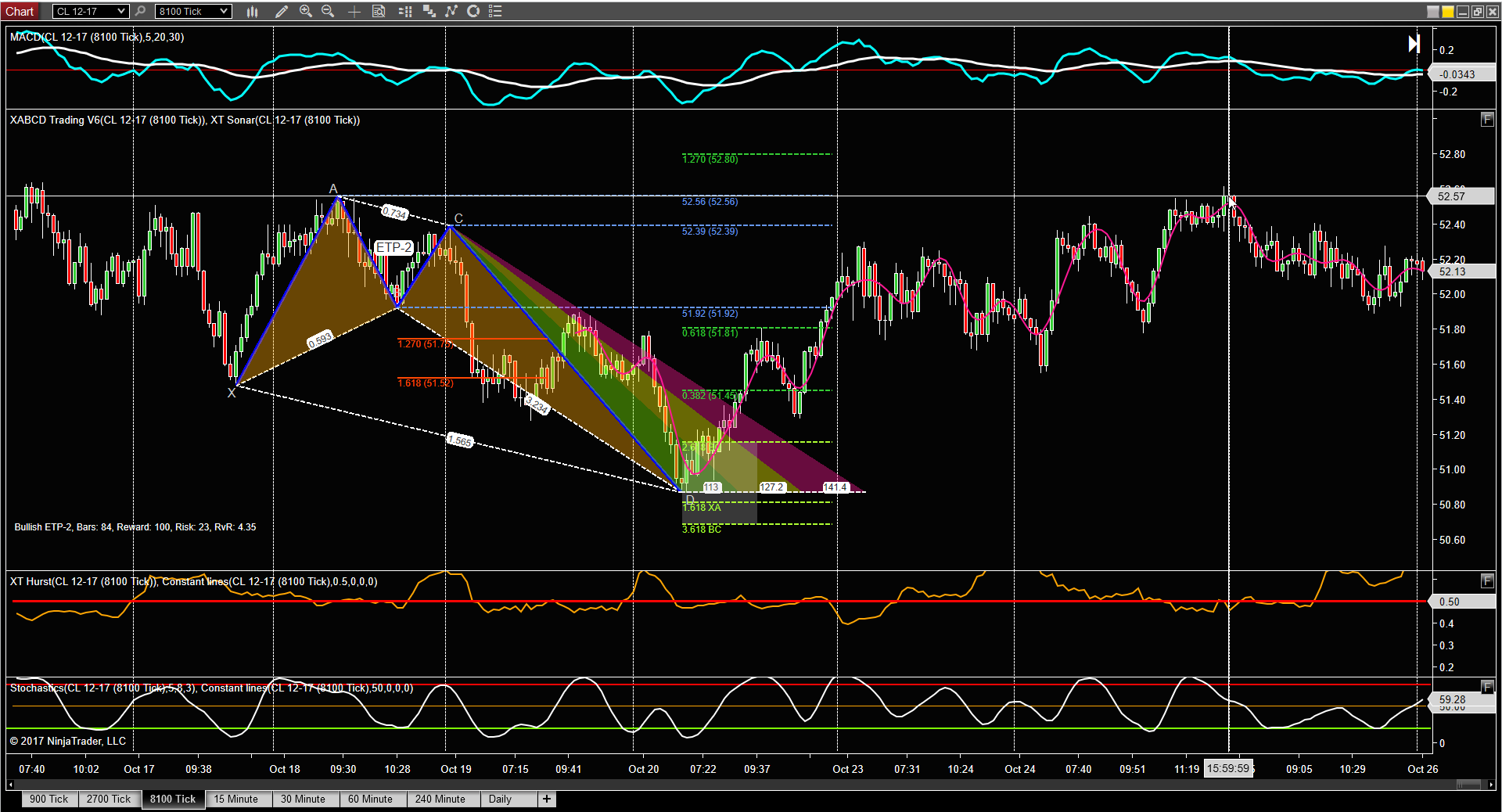
Stochastics (CL 12-17 (8100 Tick), 5, 8, 3), Constant lines (CL 12-17 (8100 Tick), 50, 0, 0, 0)

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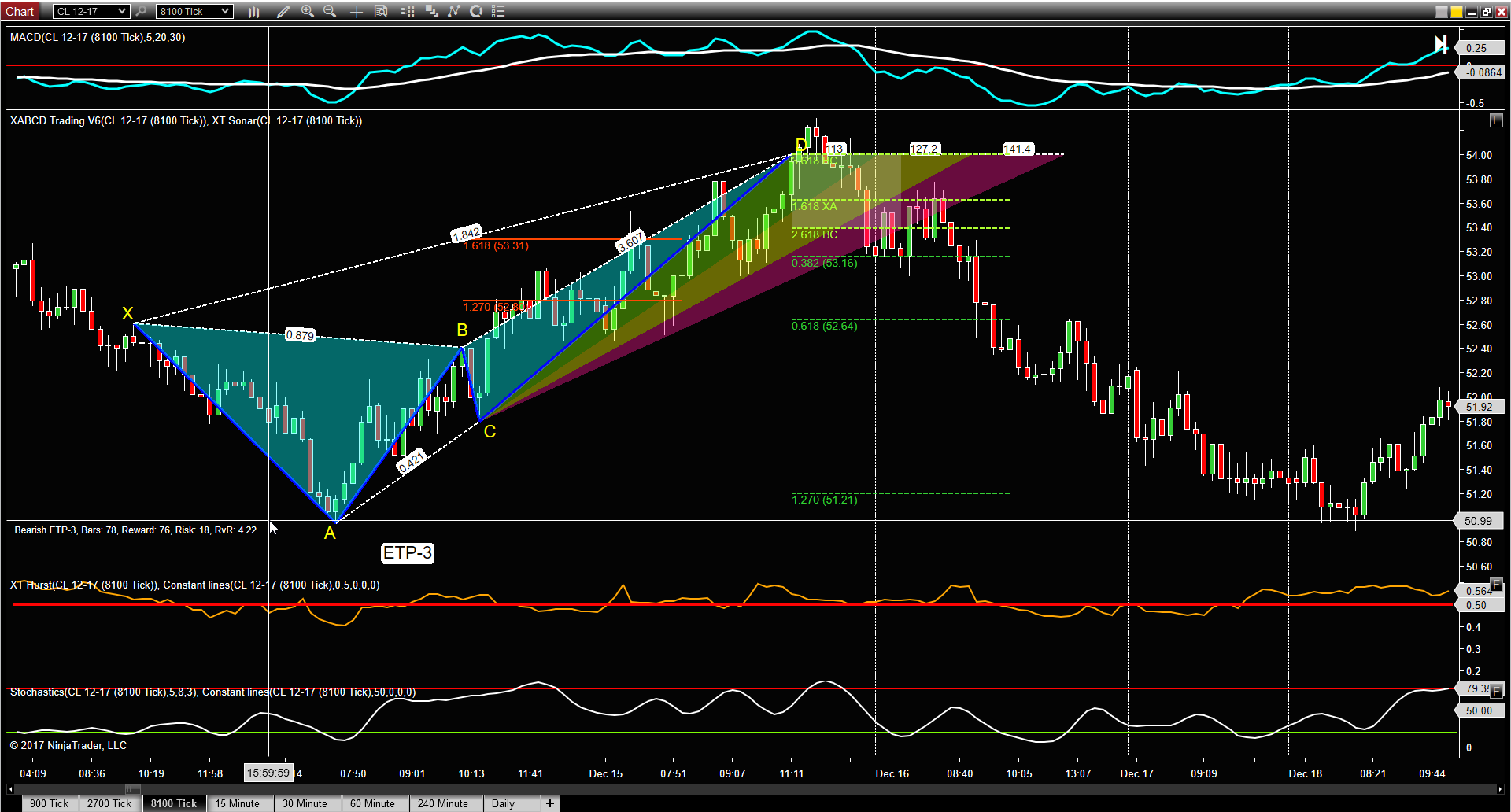
900 Tick 2700 Tick 8100 Tick 15 Minute 30 Minute 60 Minute 240 Minute Daily +

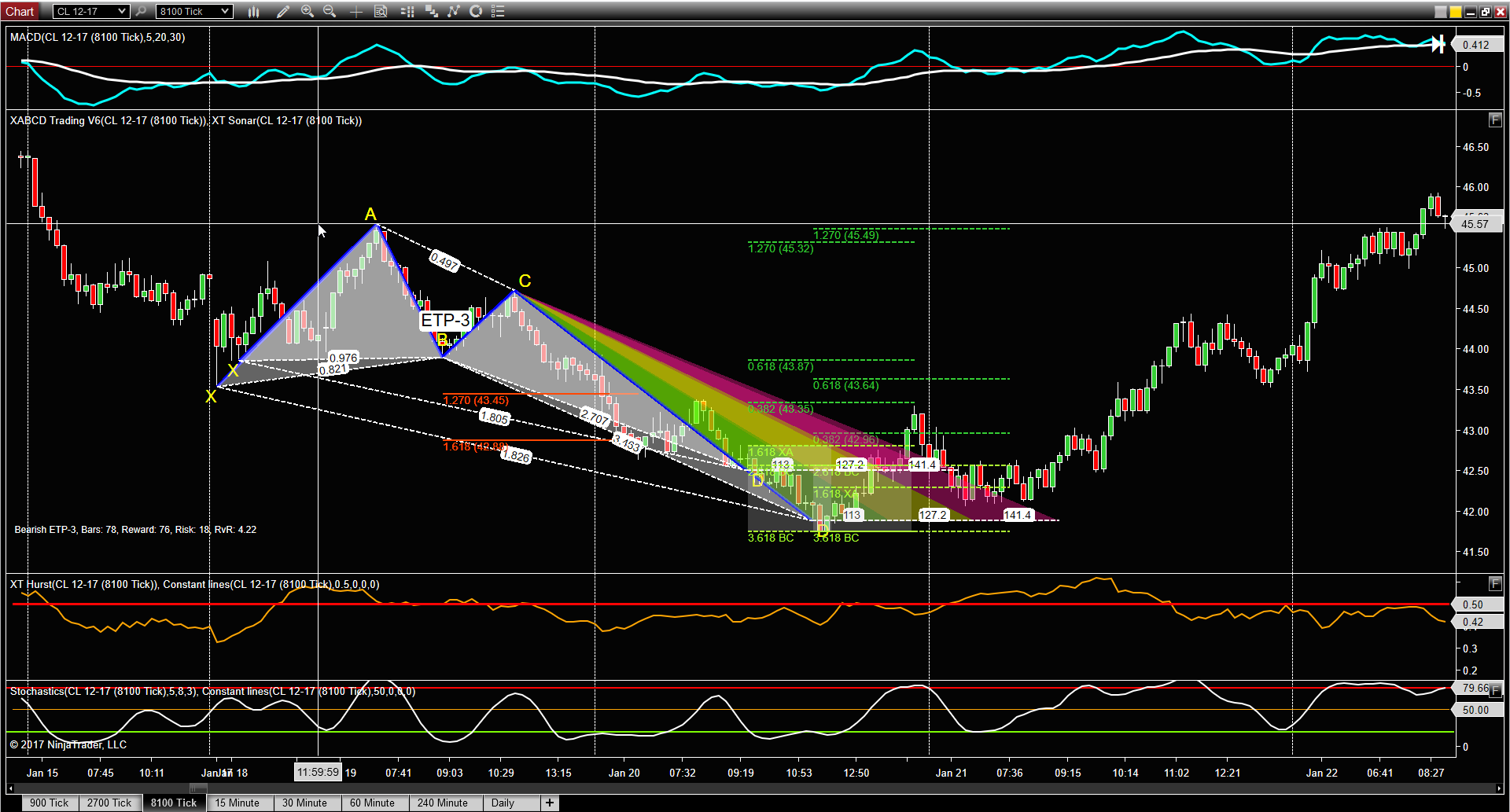






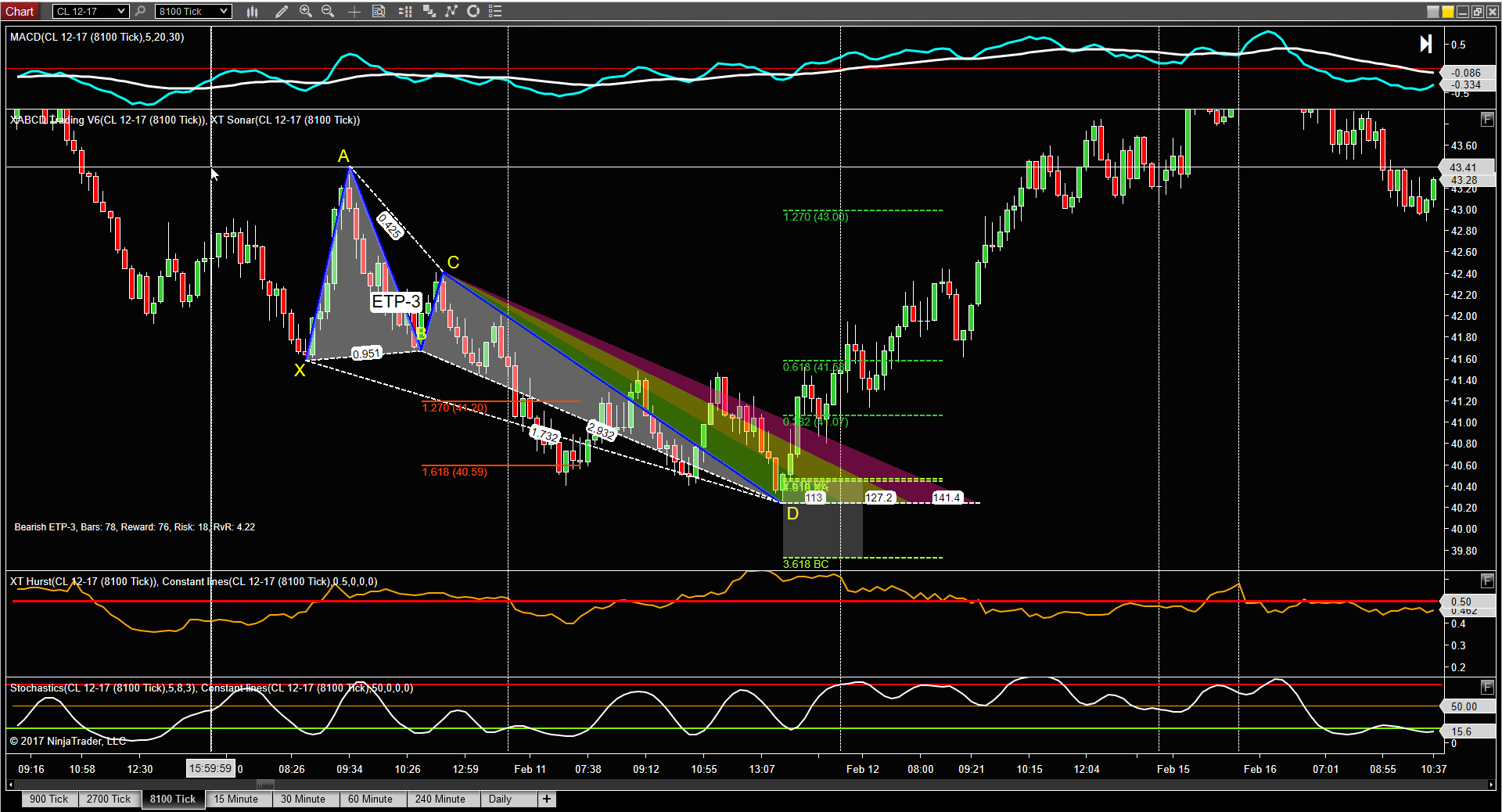


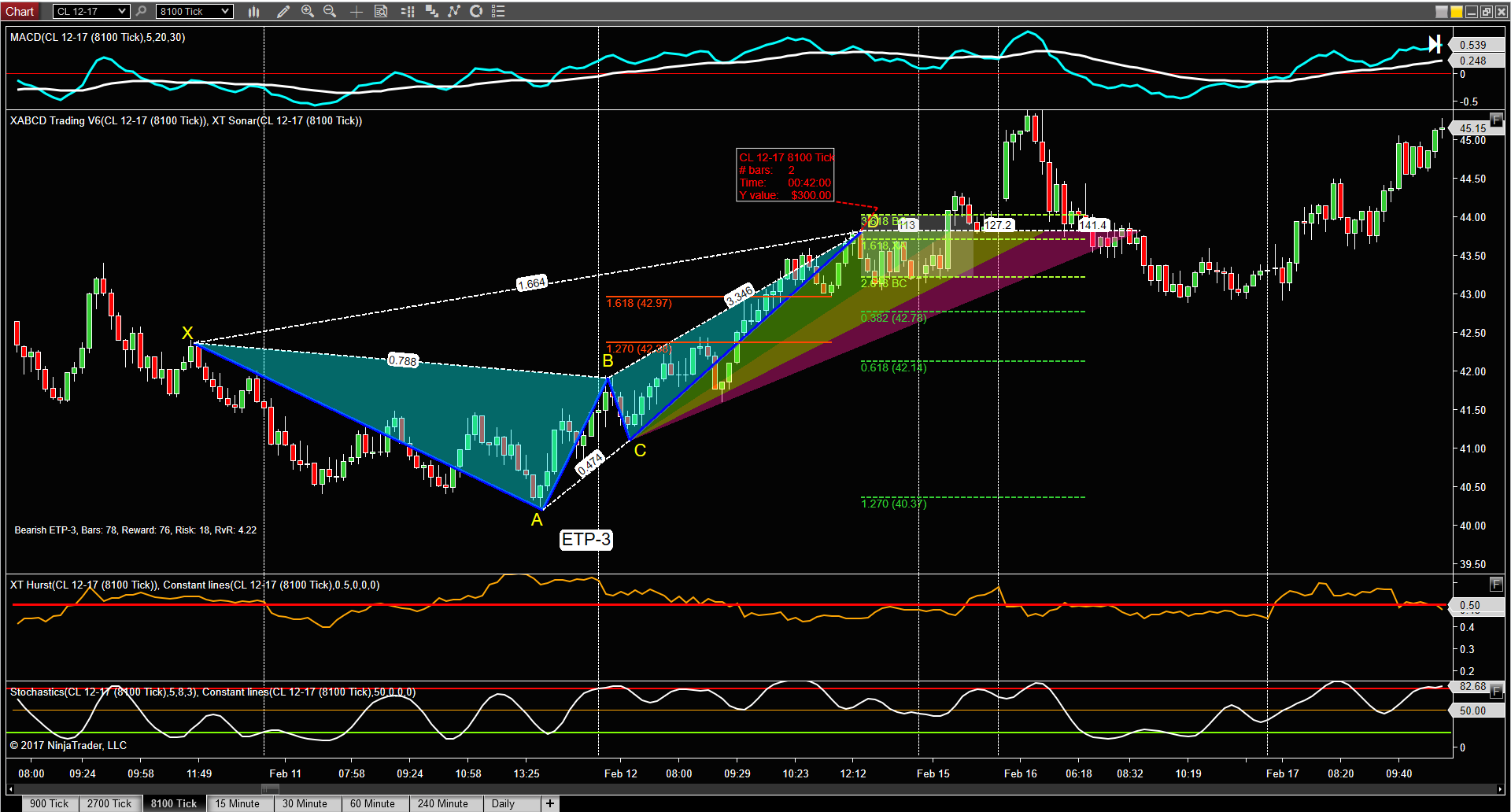


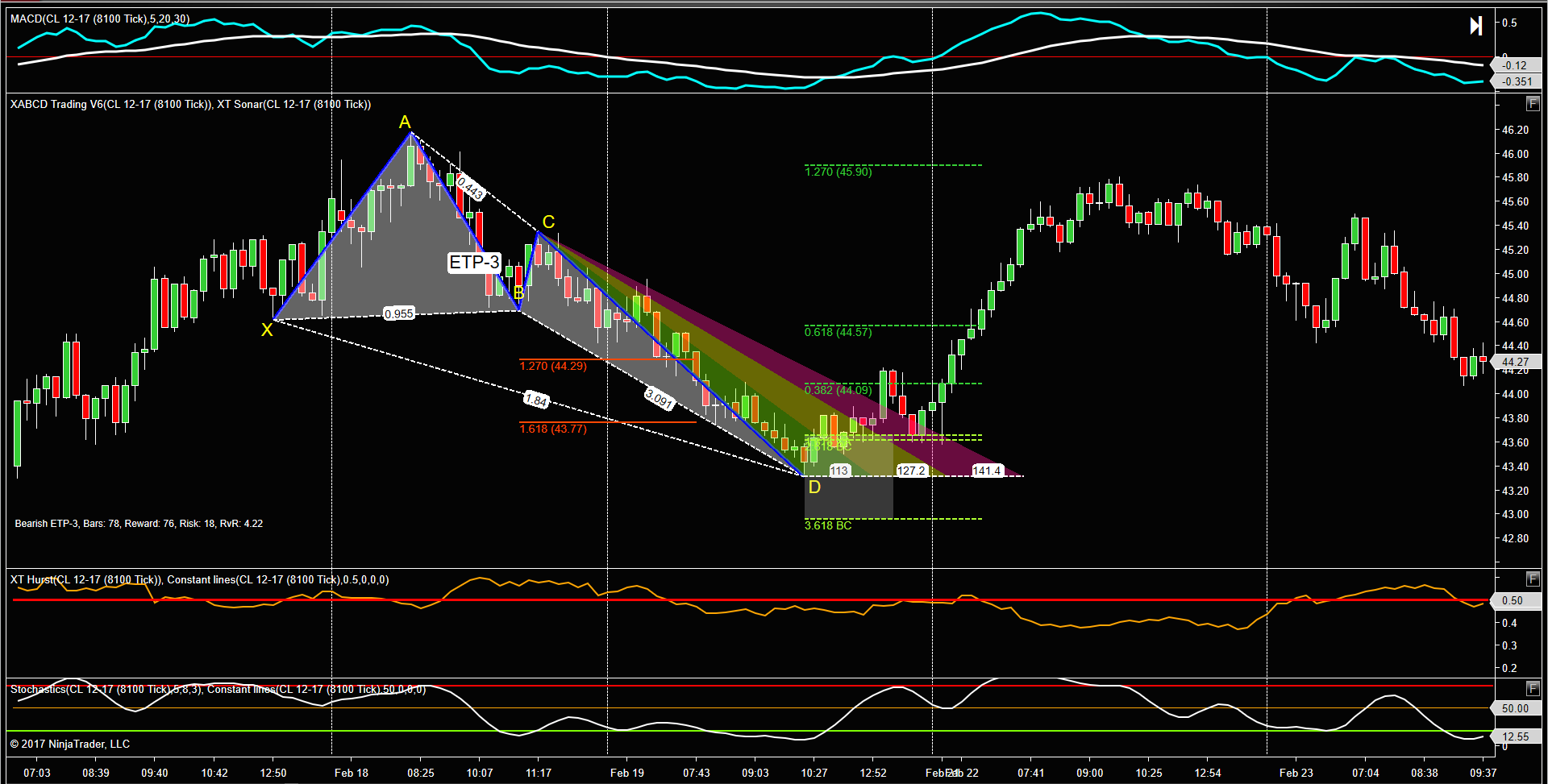


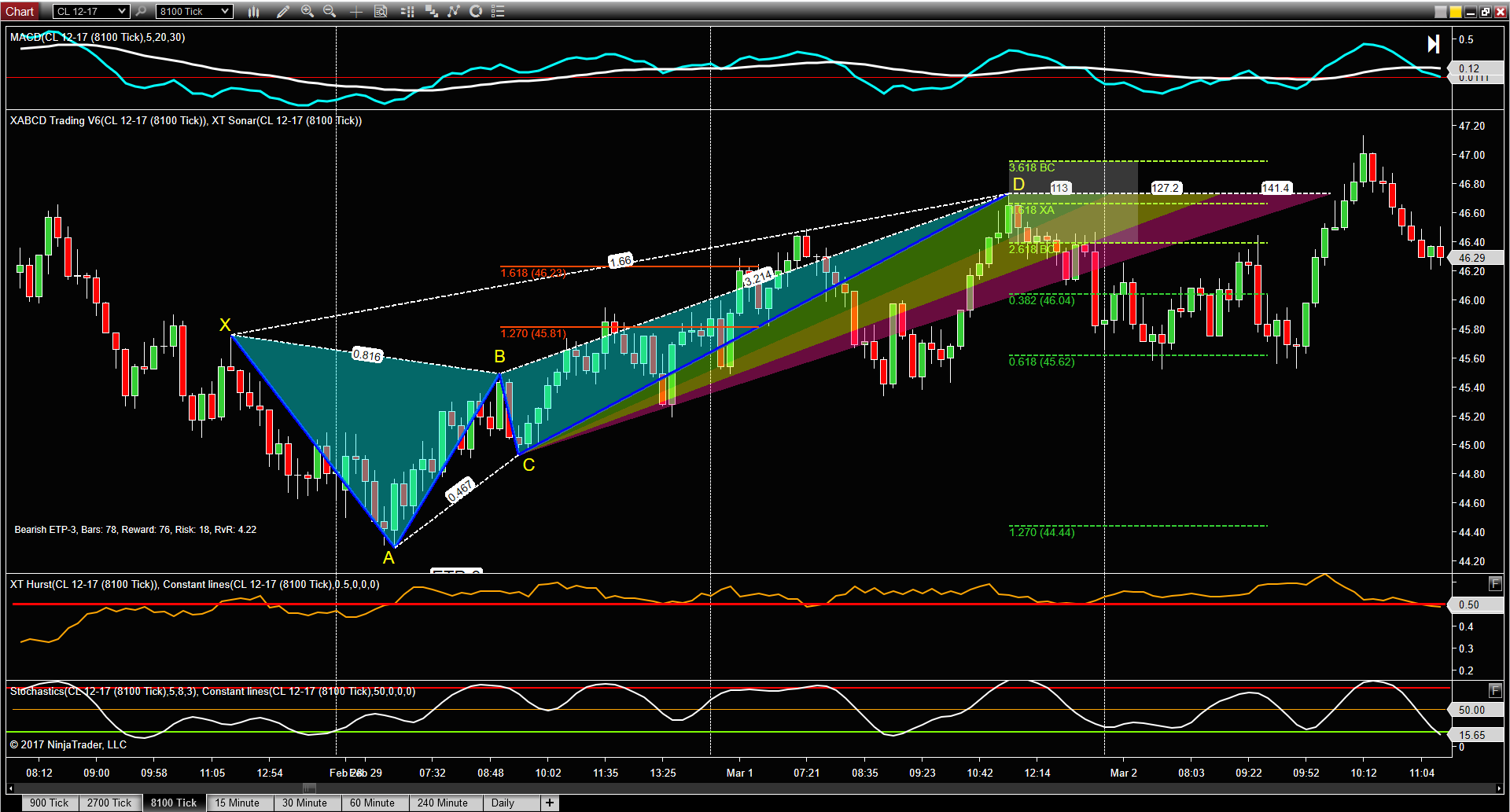
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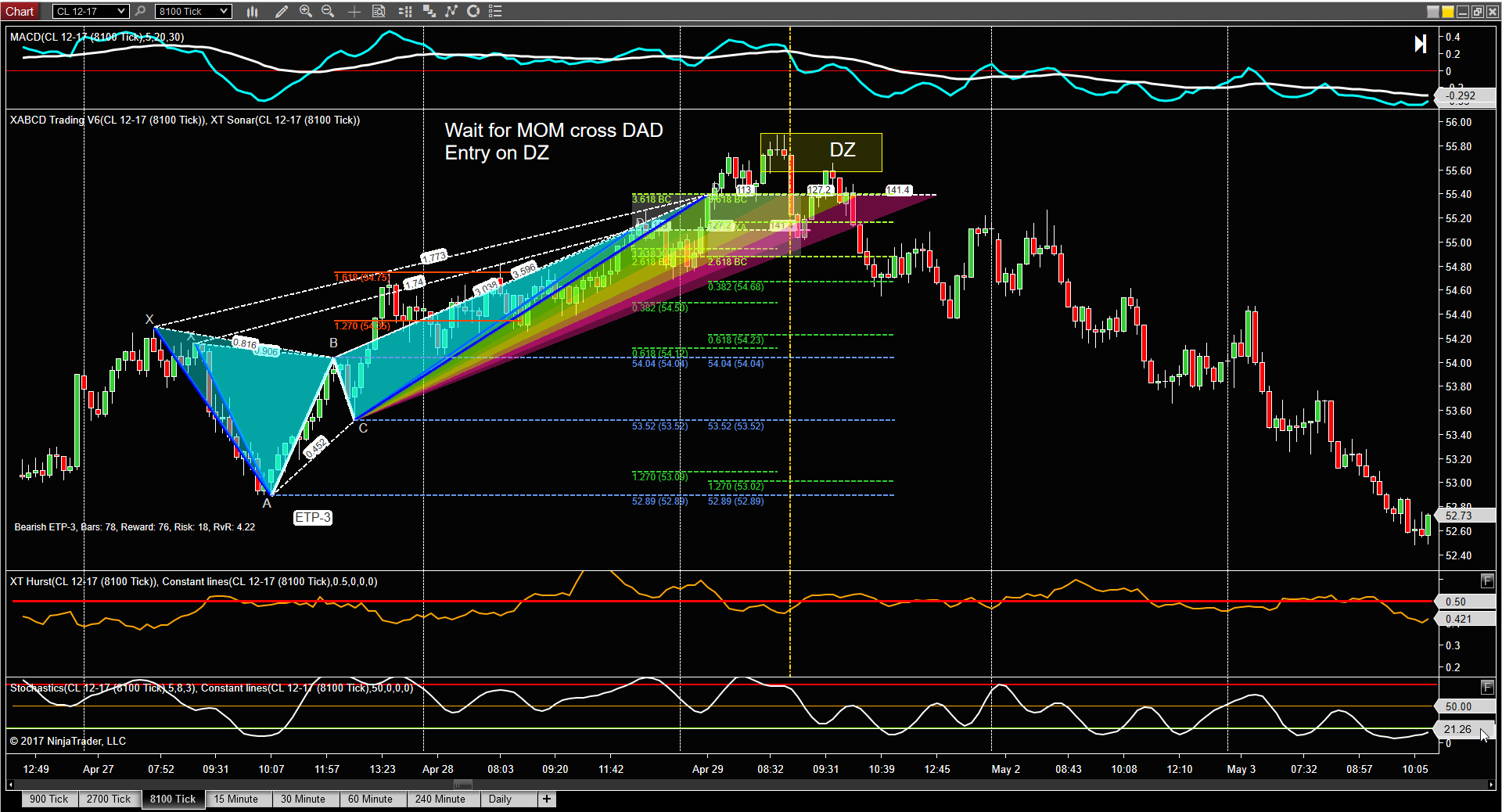
900 Tick 2700 Tick 8100 Tick 15 Minute 30 Minute 60 Minute 240 Minute Daily +

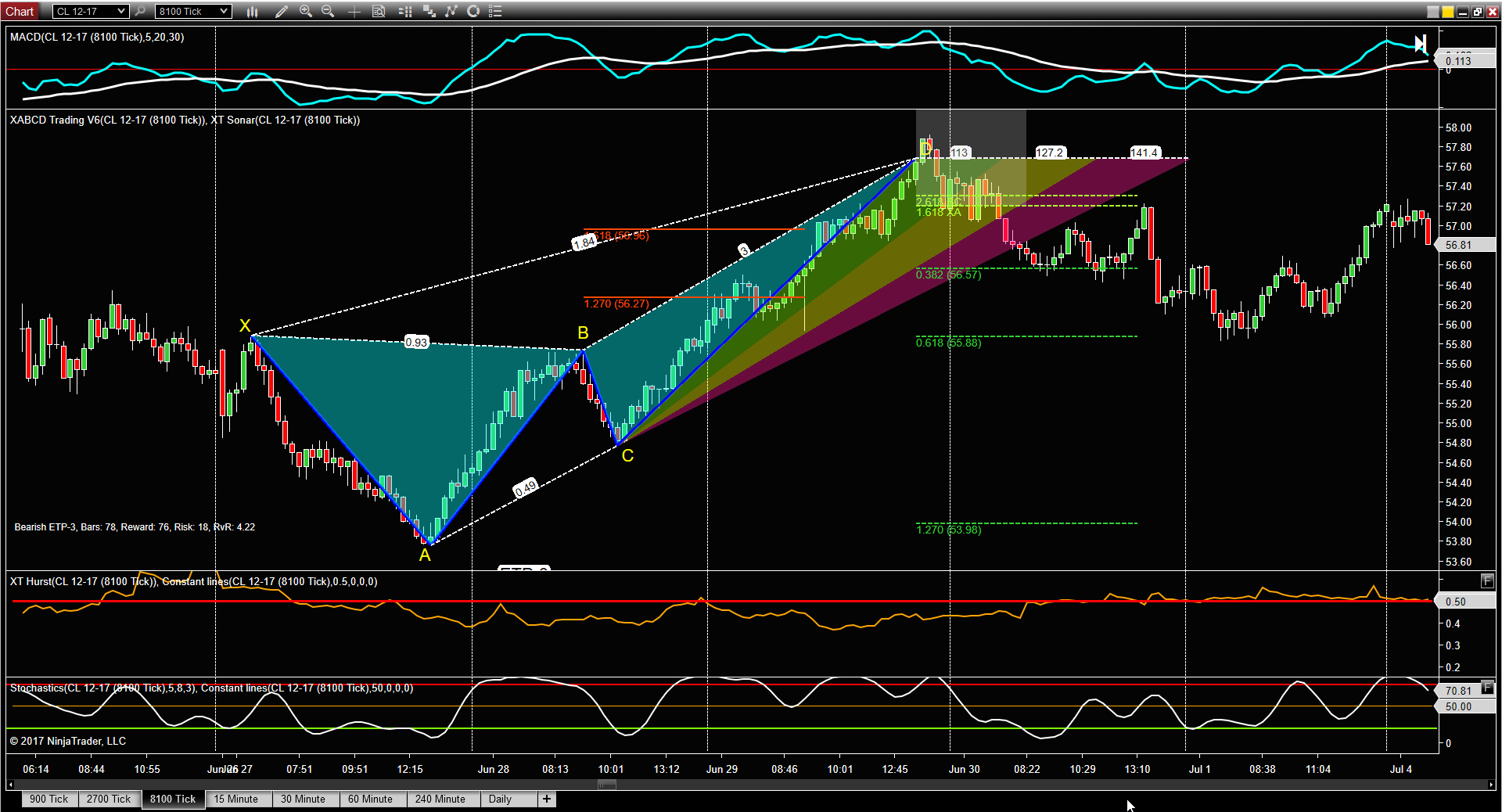


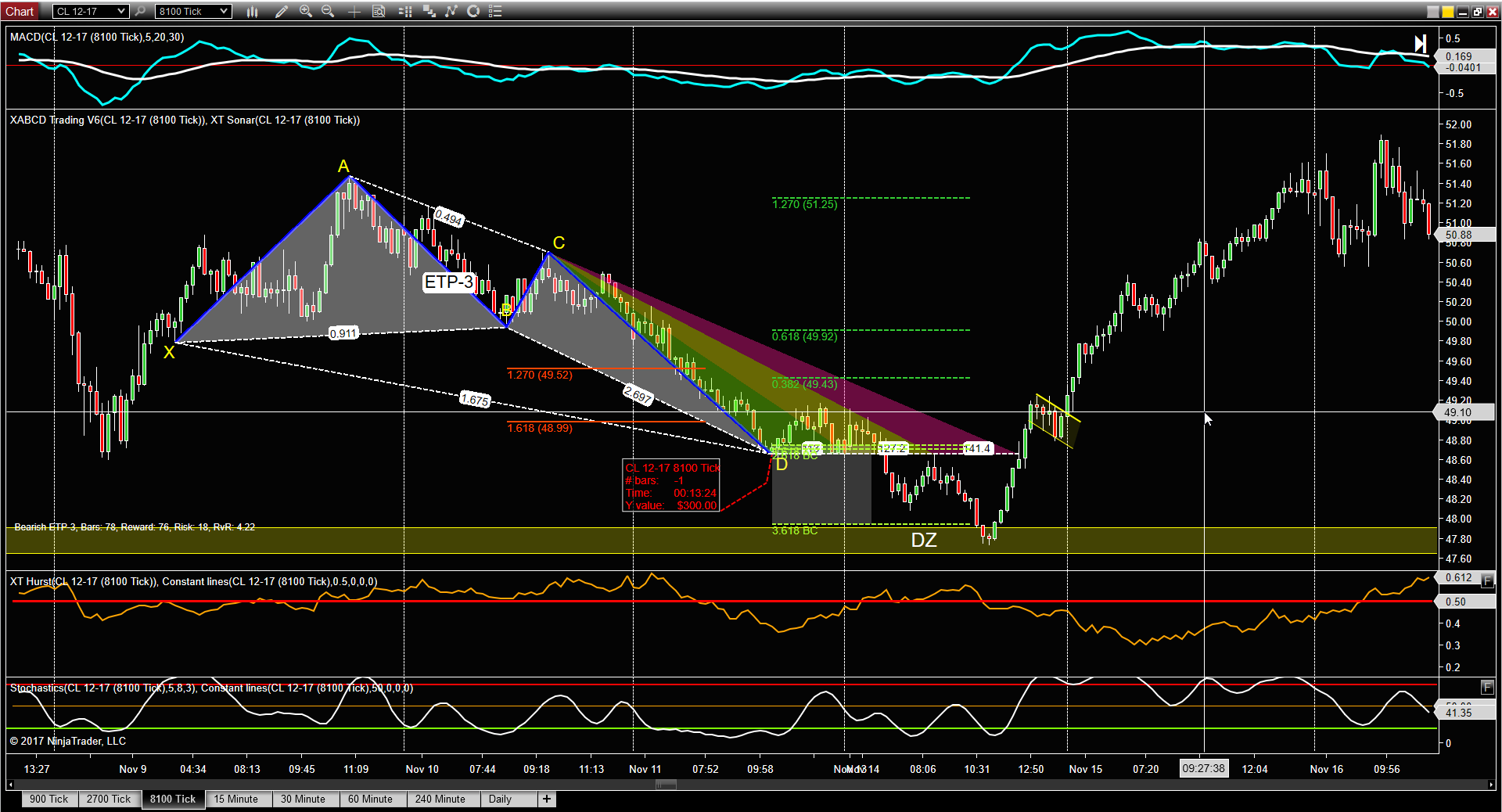


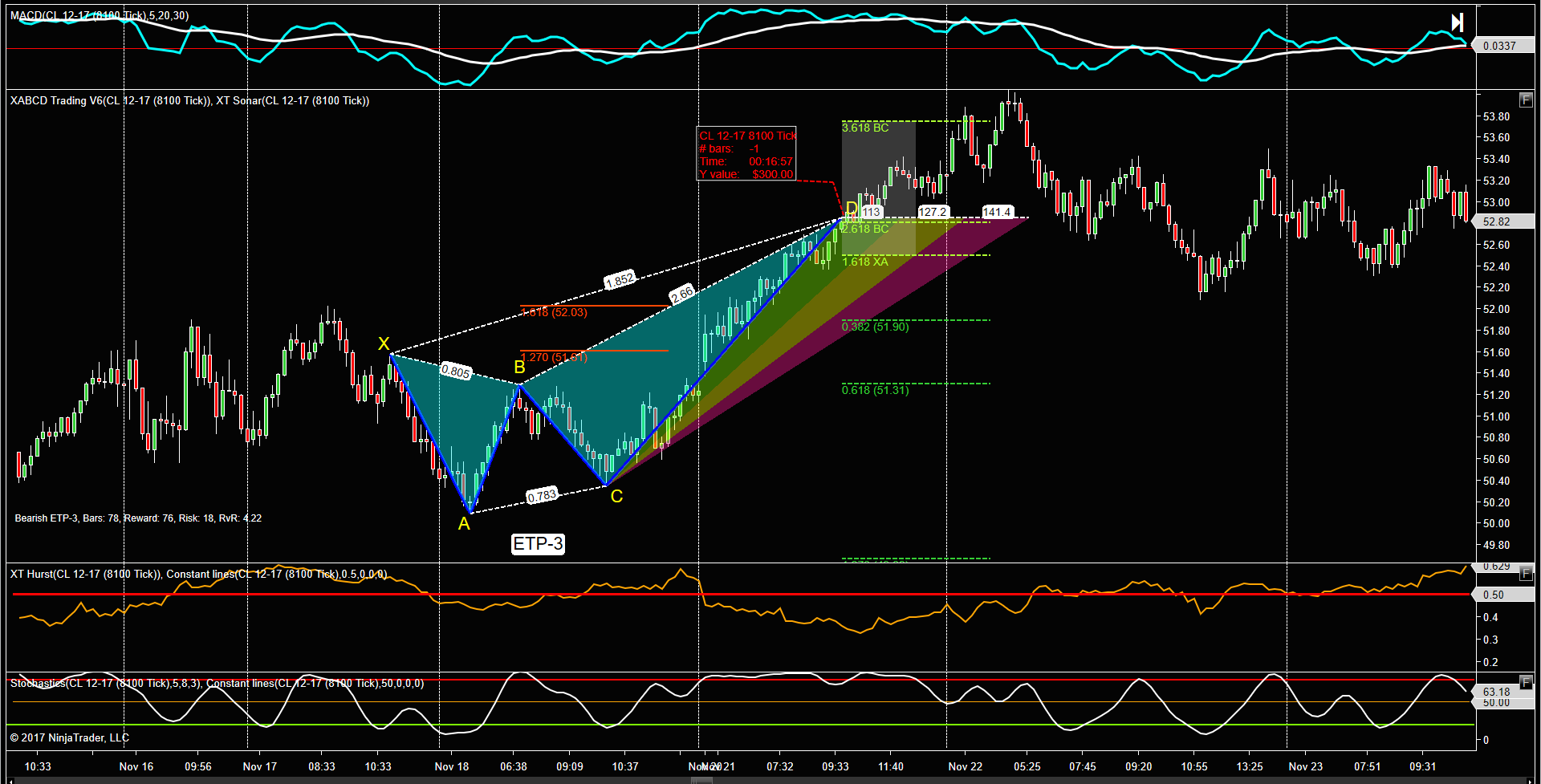


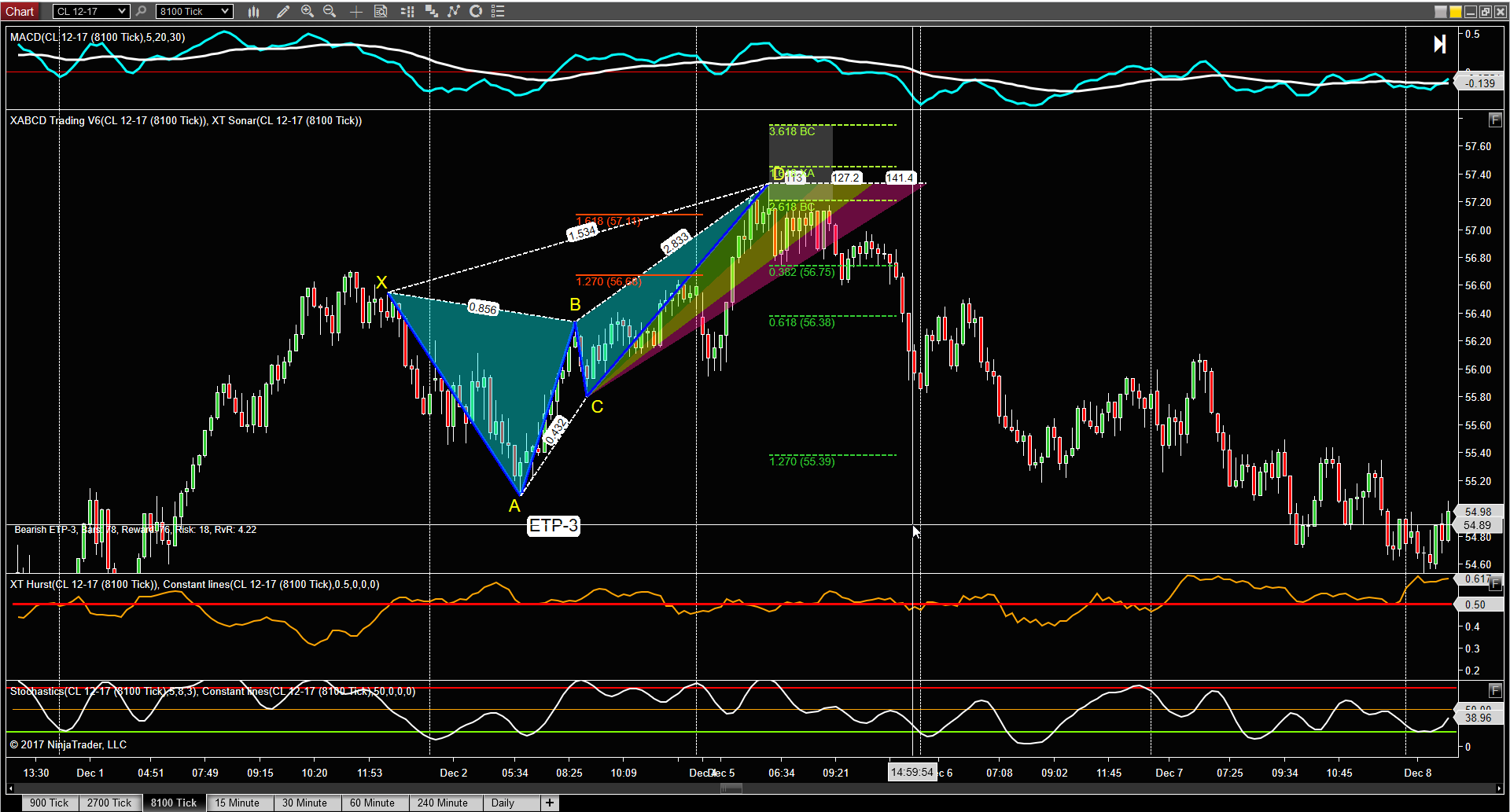


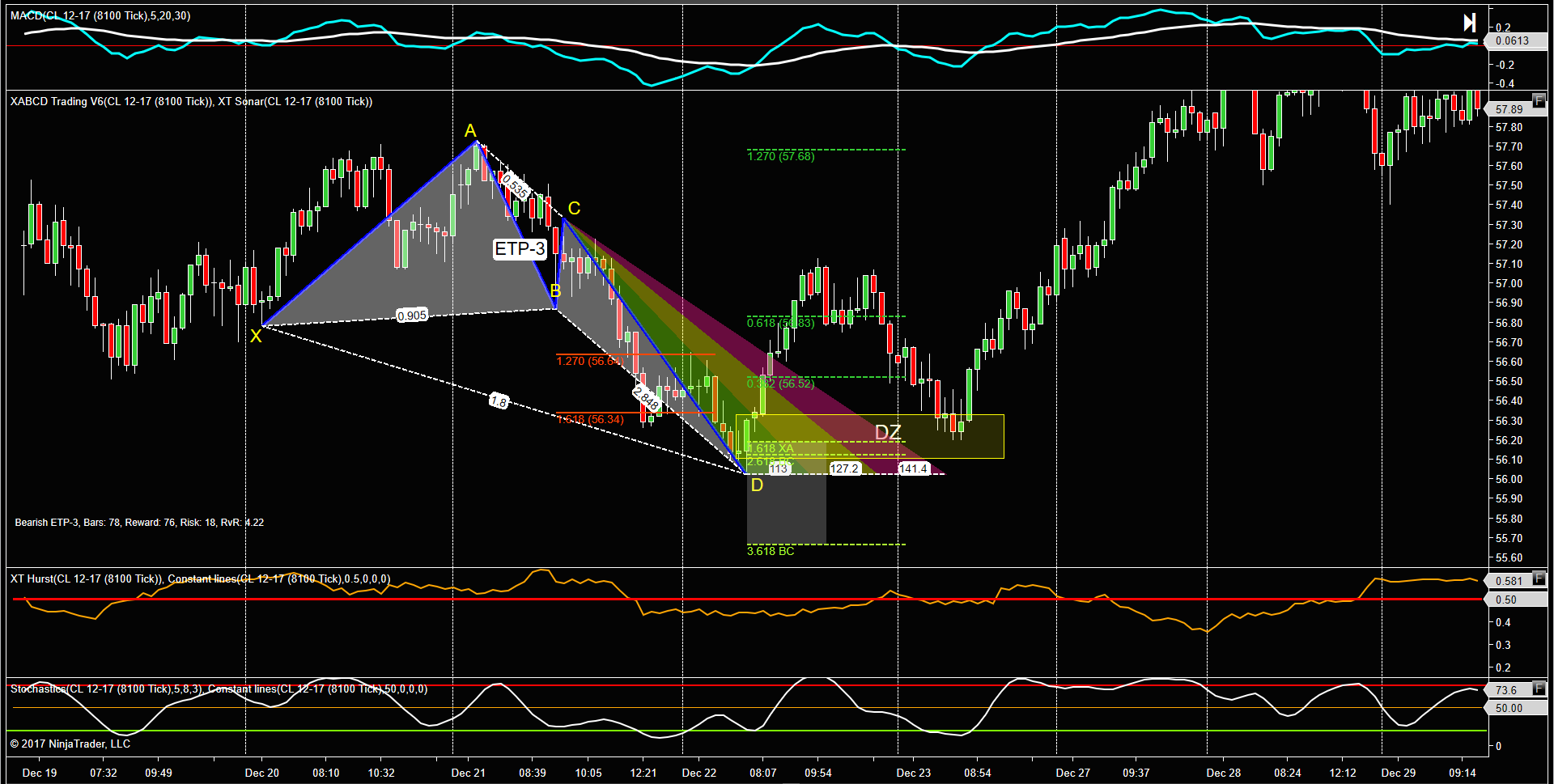


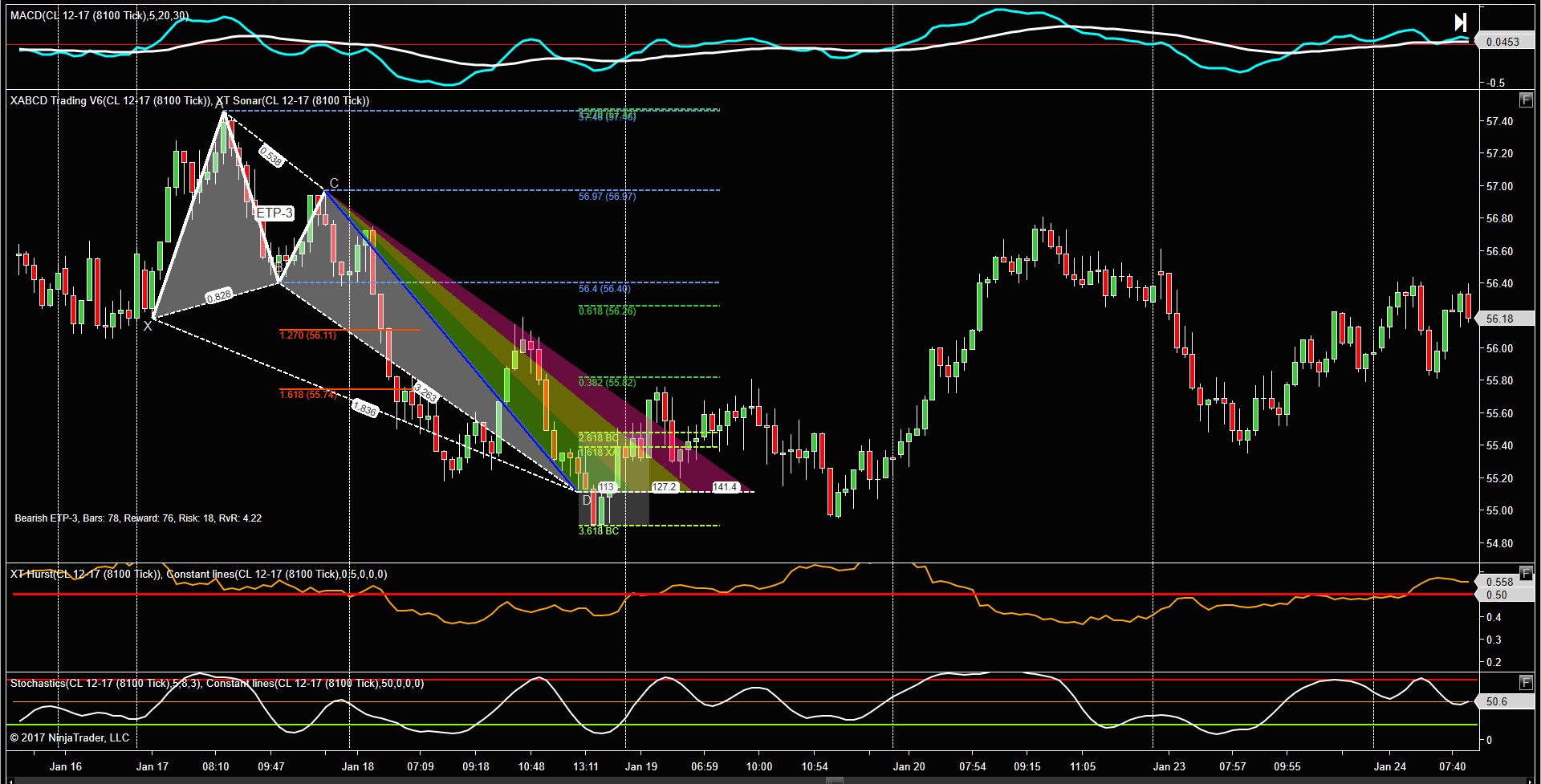


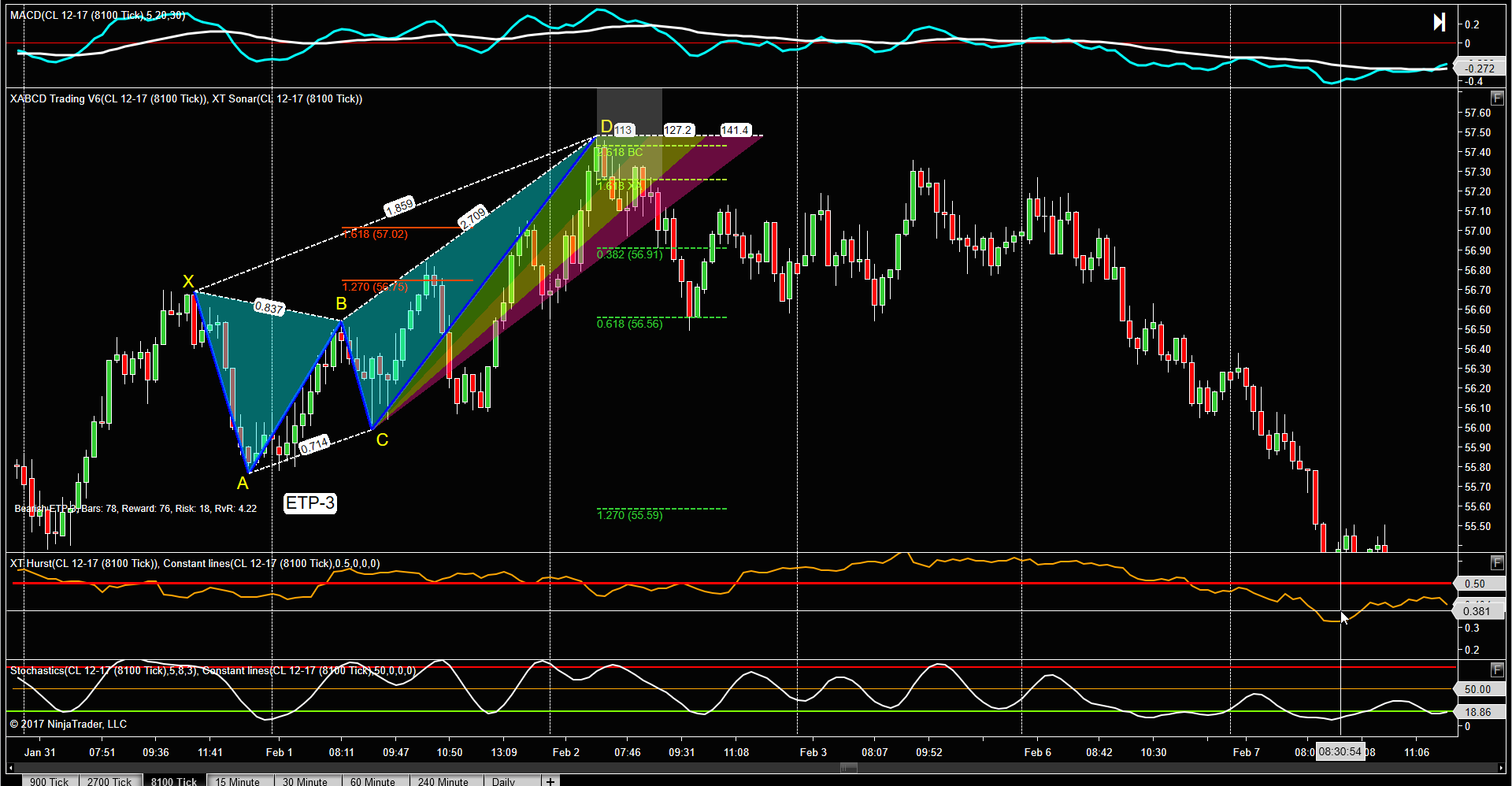


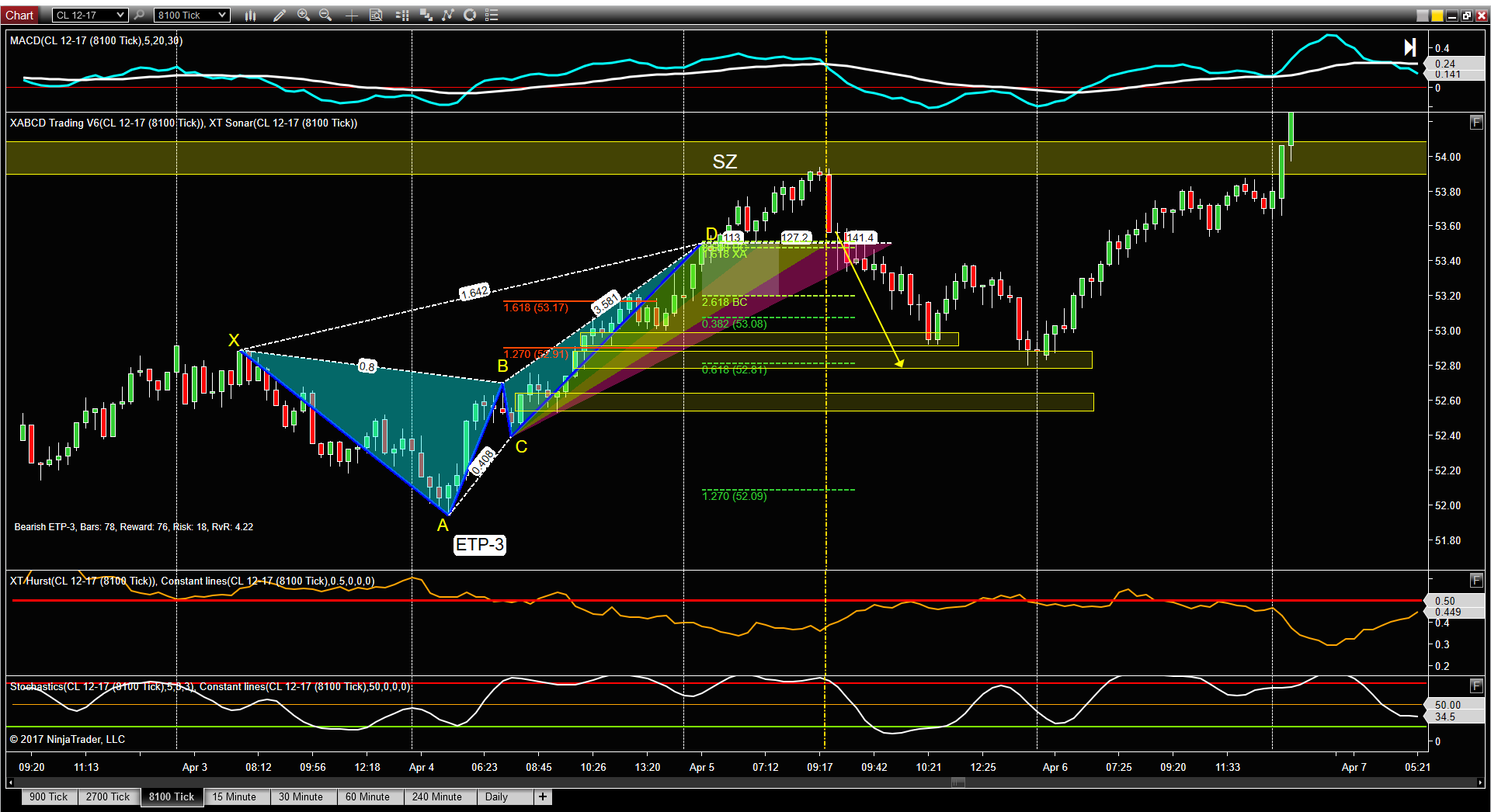


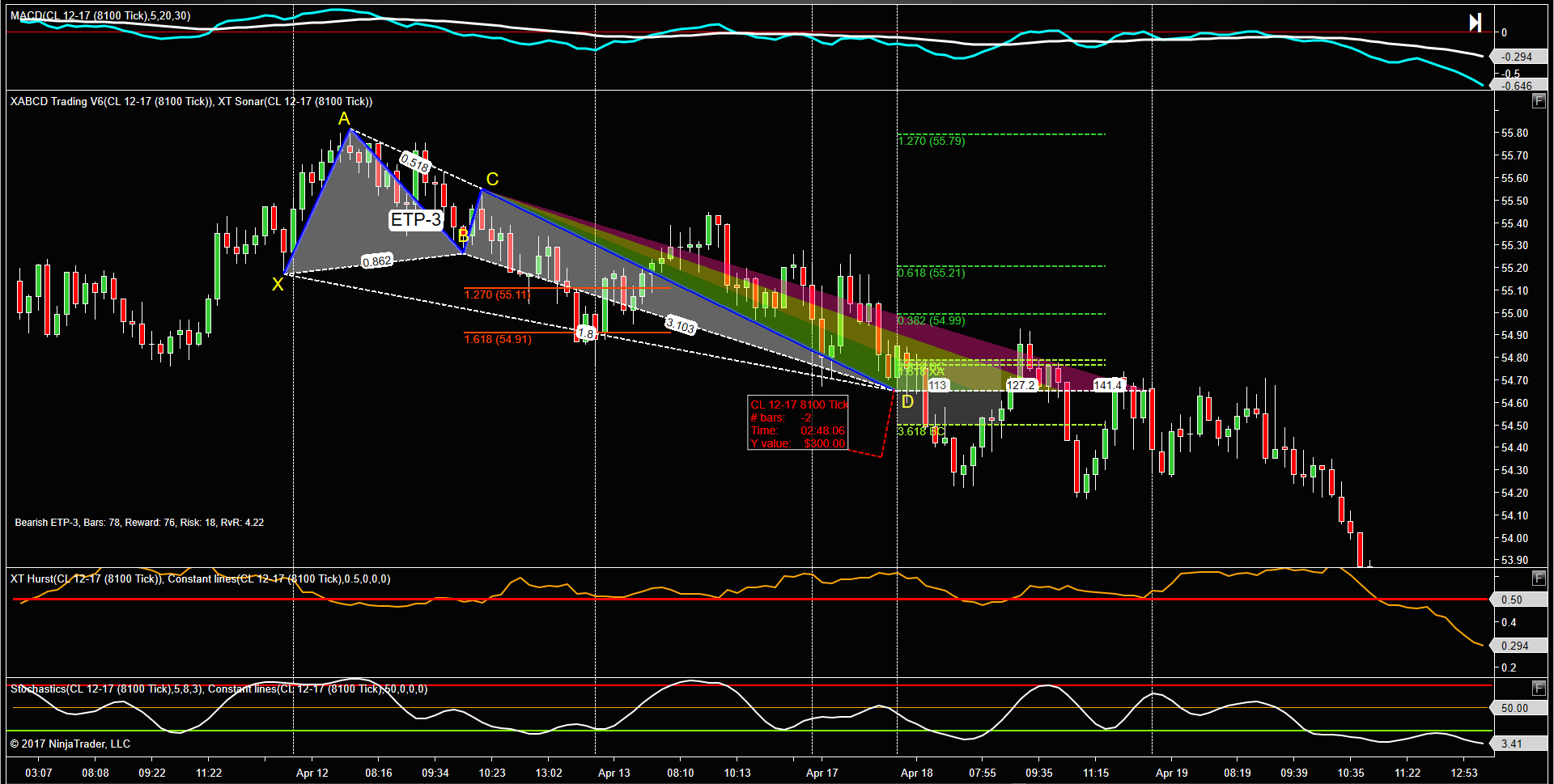


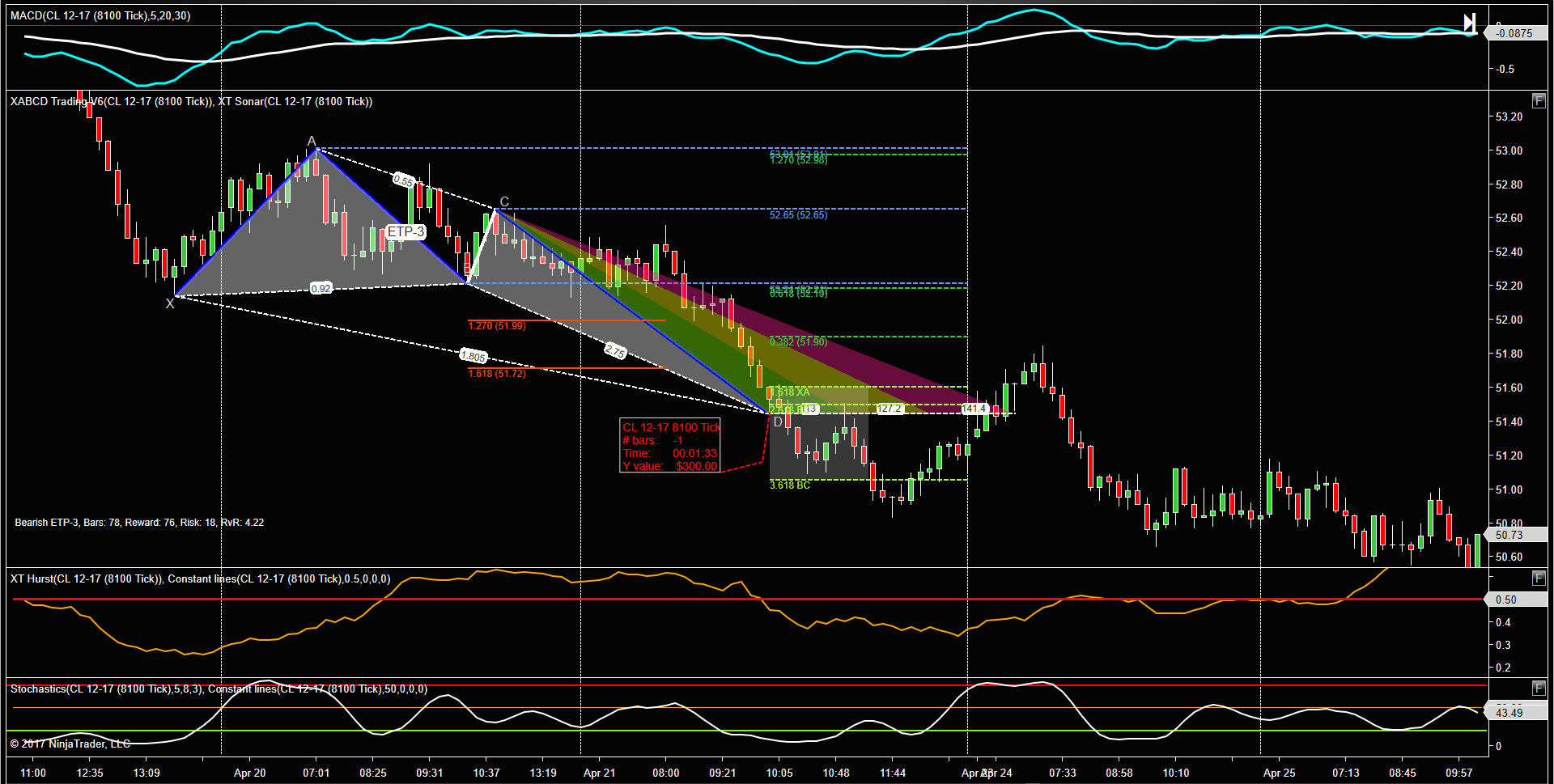


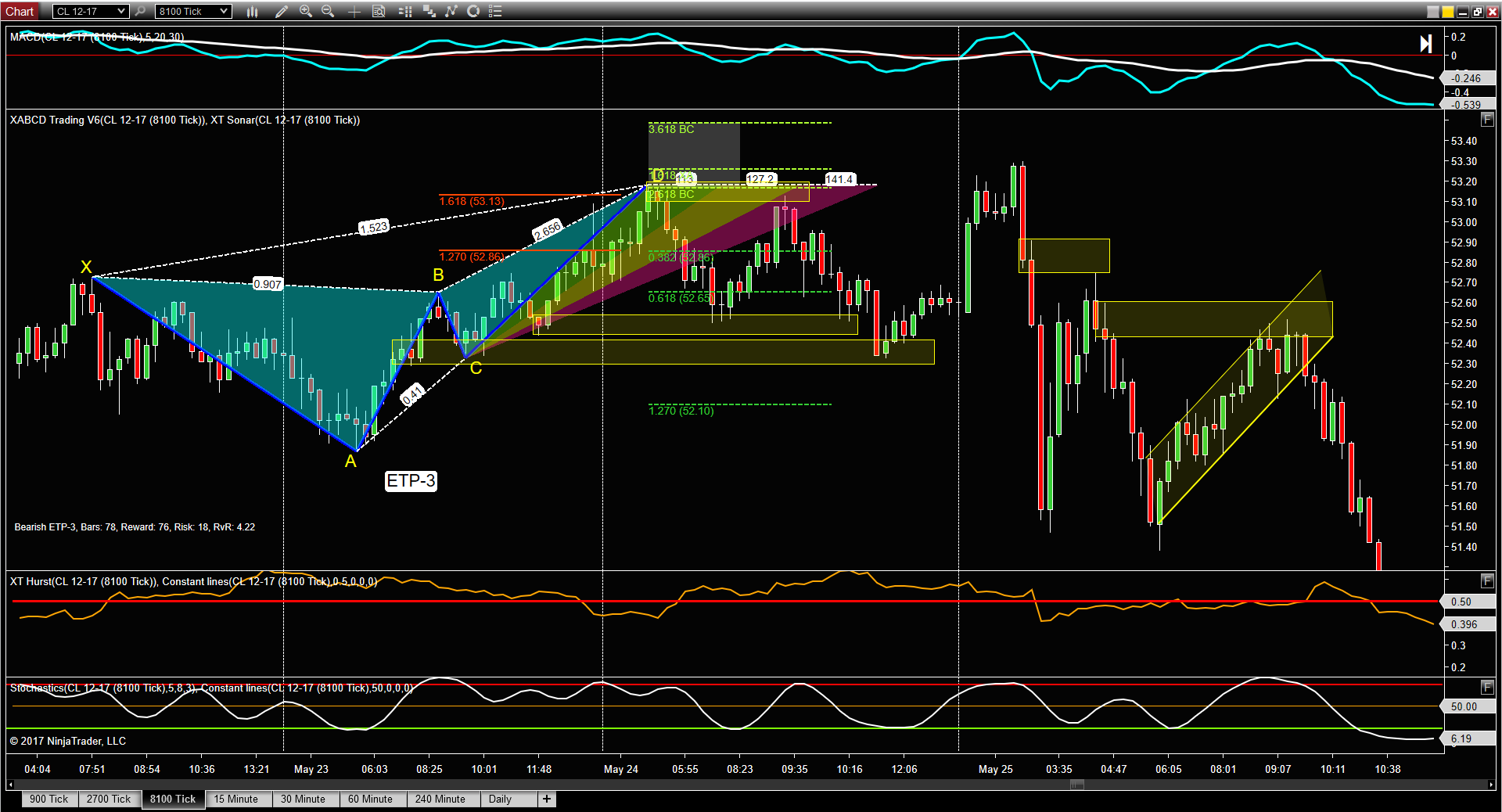


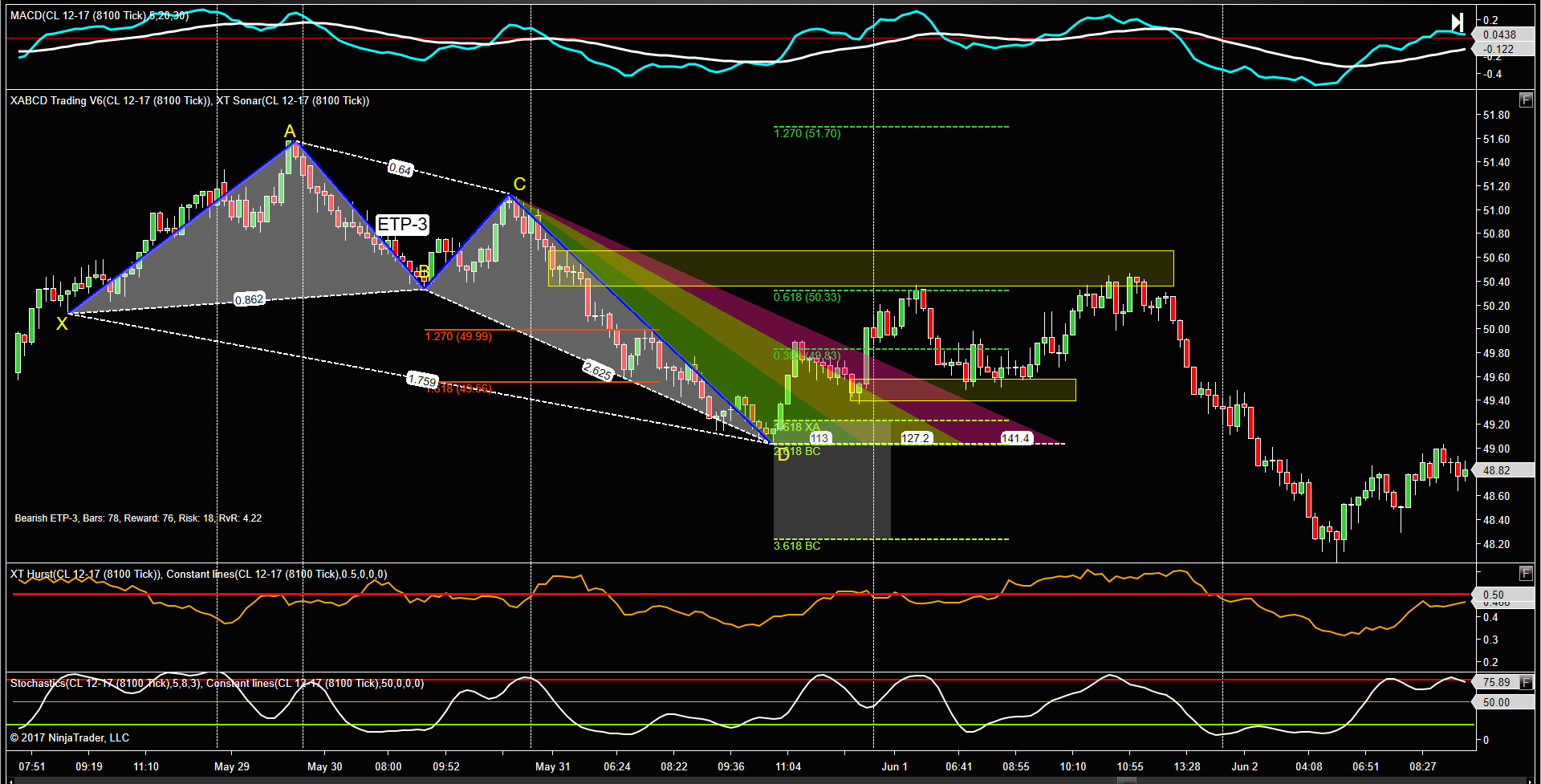


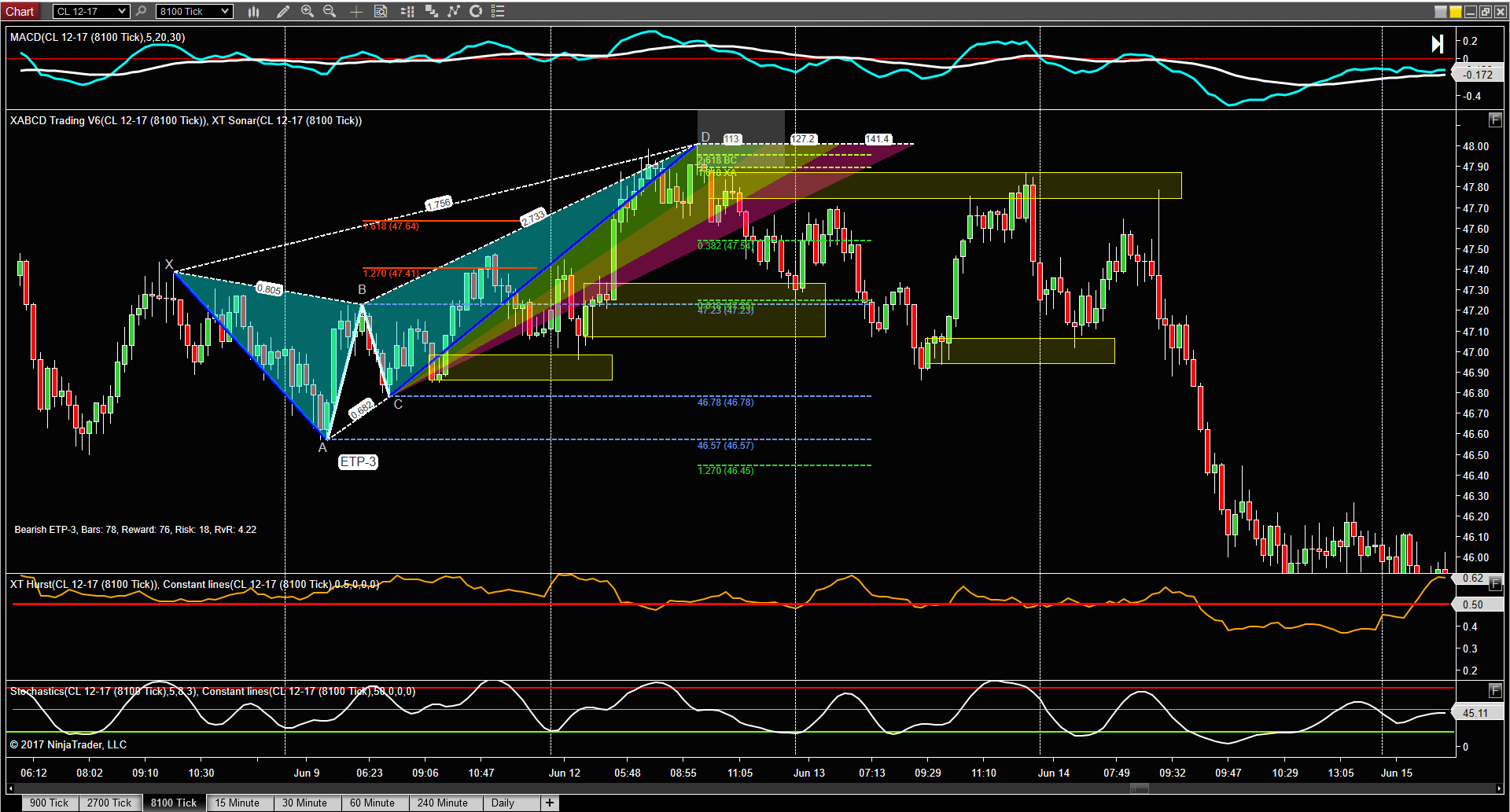


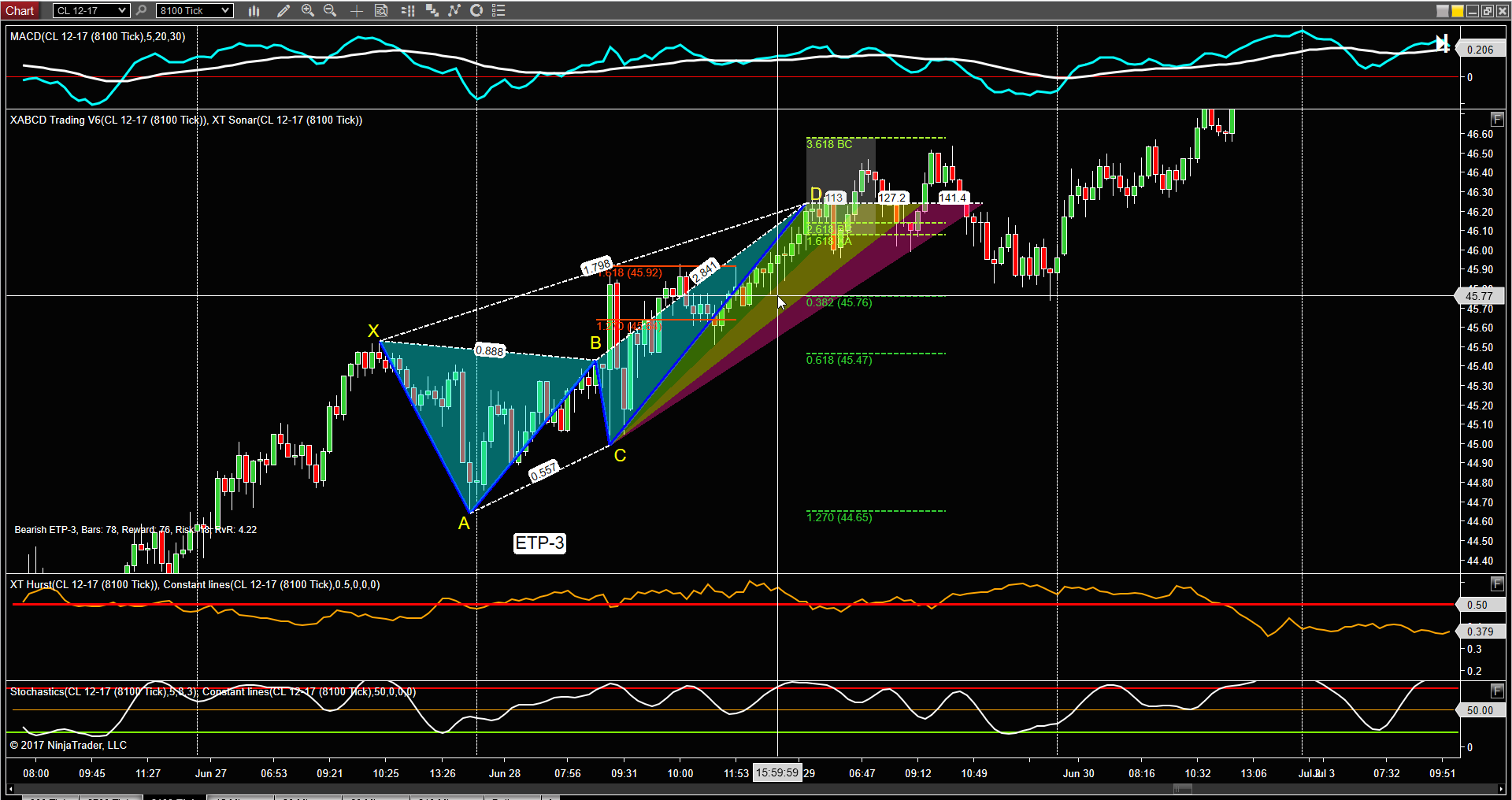


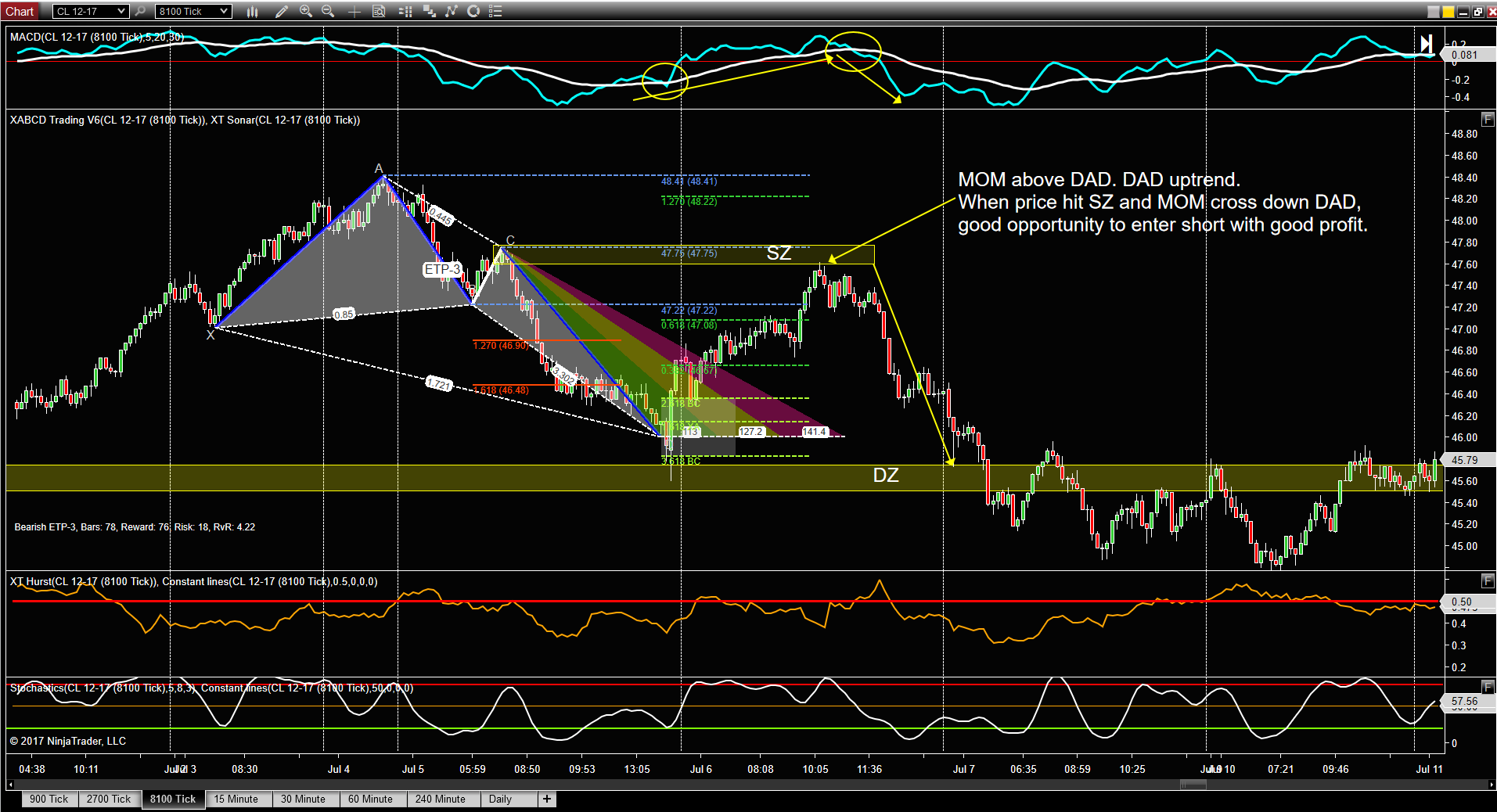




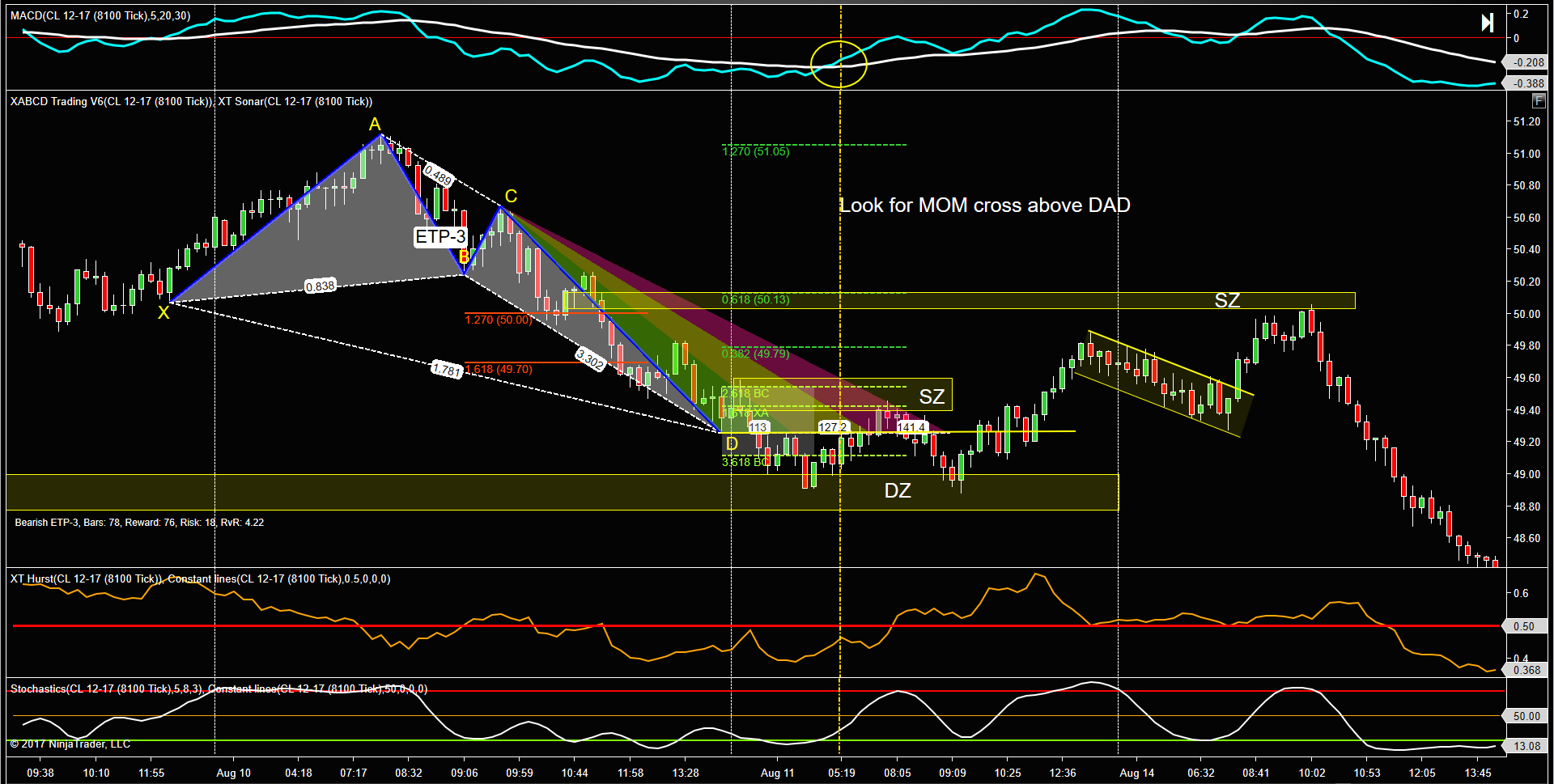










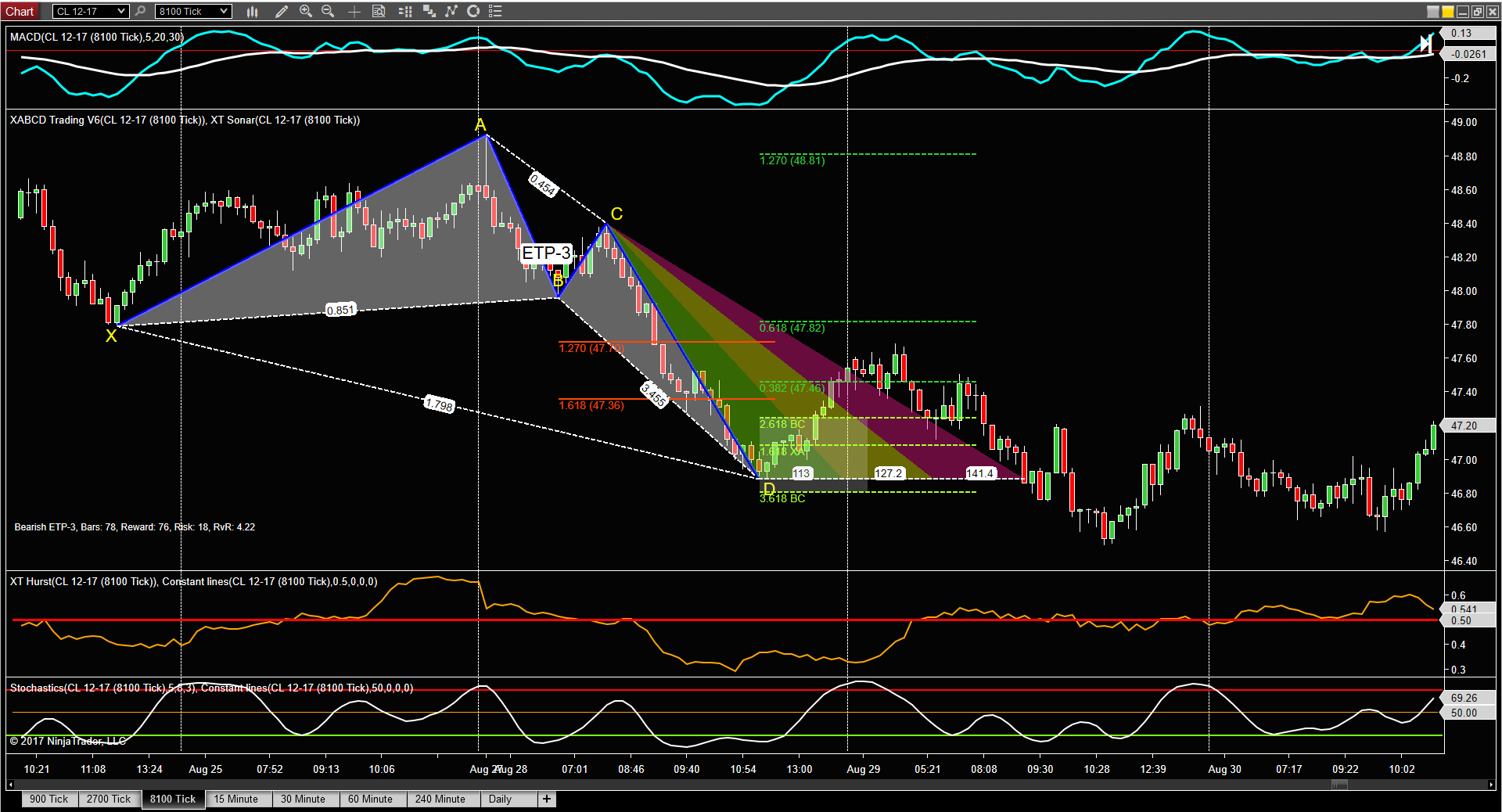


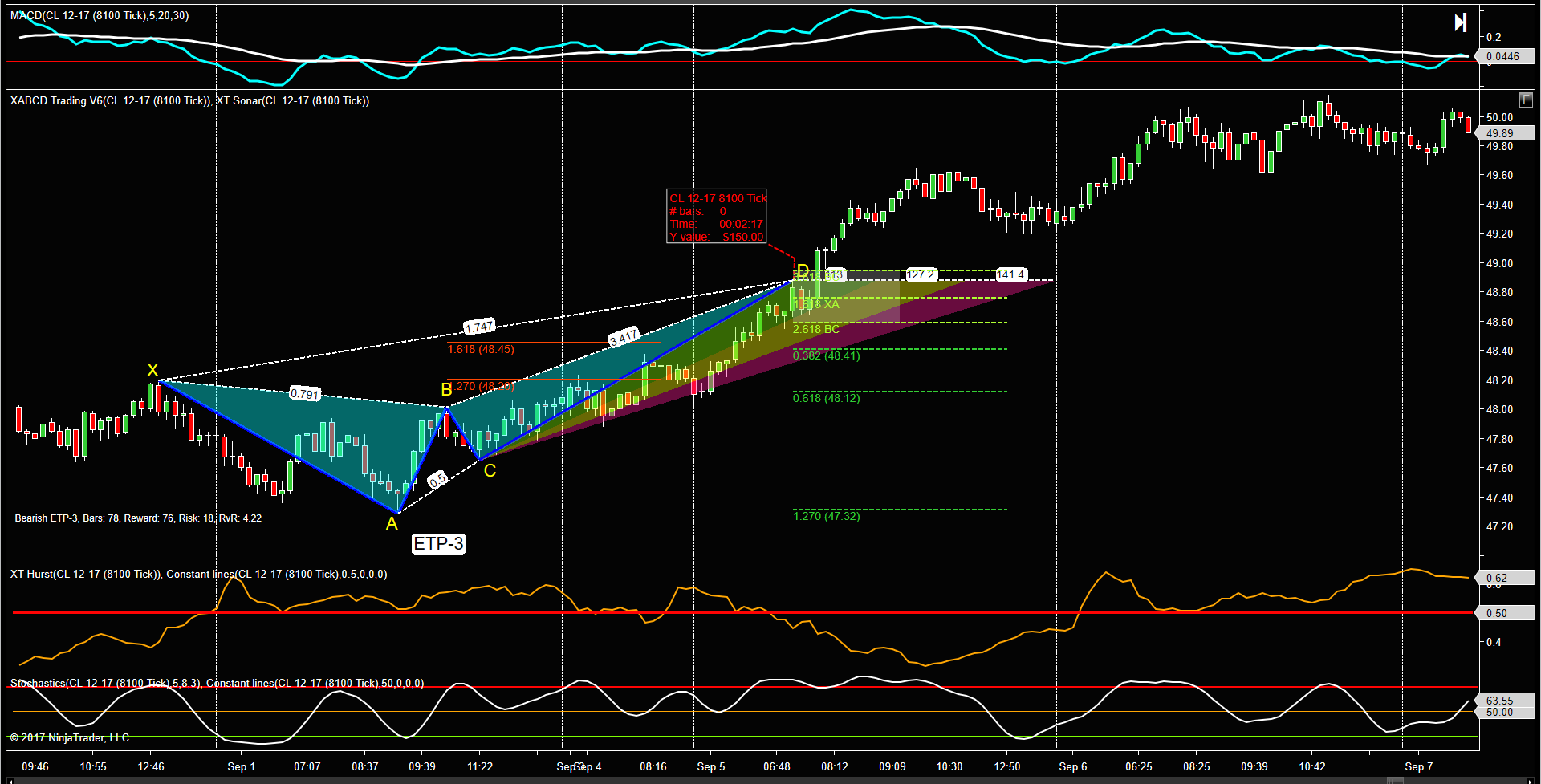
Bearish ETP-3, Bars: 78, Reward: 76, Risk: 18, RvR: 4.22

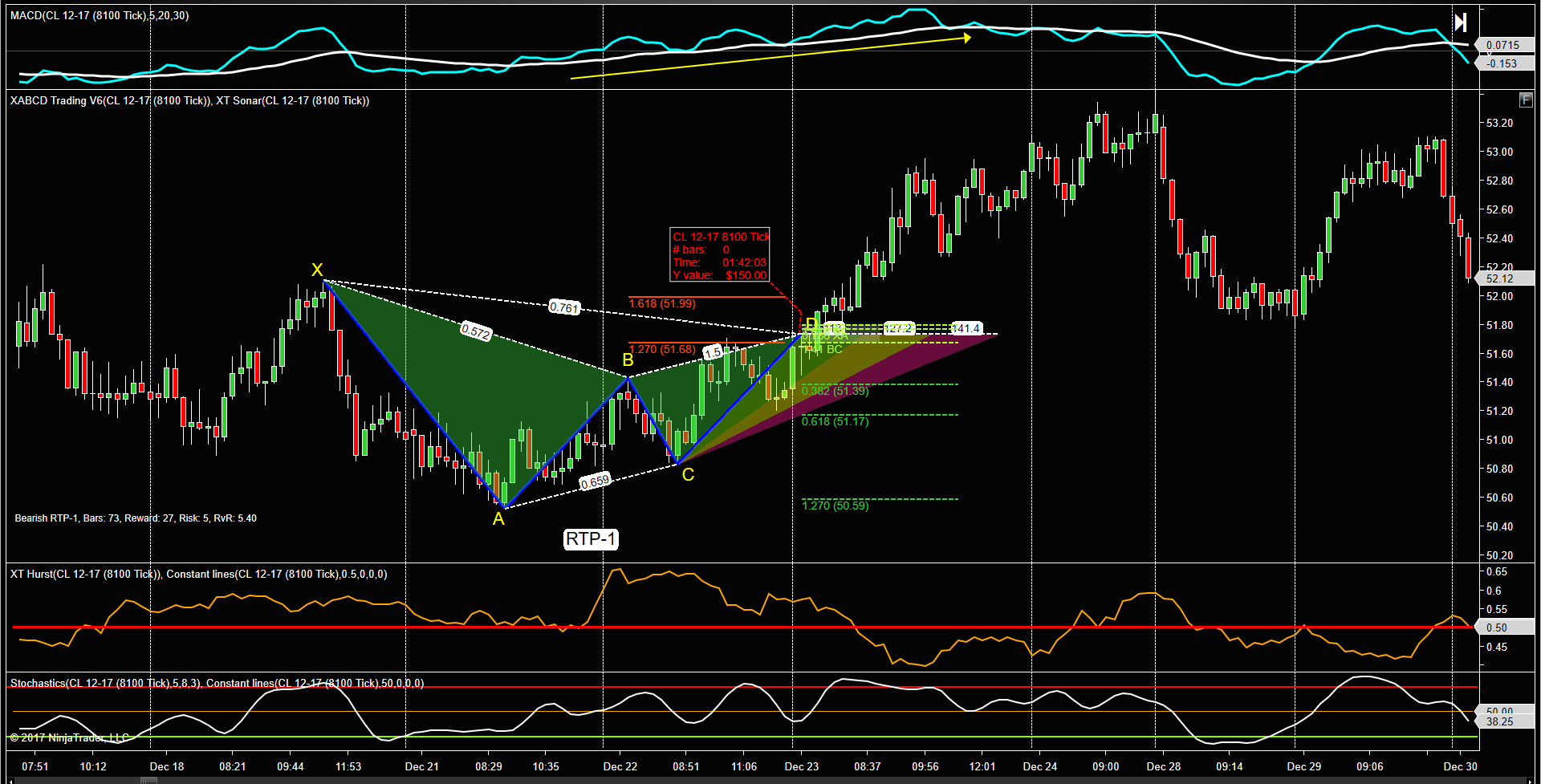
XT Hurst (CL 12-17 (8100 Tick)), Constant lines (CL 12-17 (8100 Tick), 0.5, 0, 0, 0)

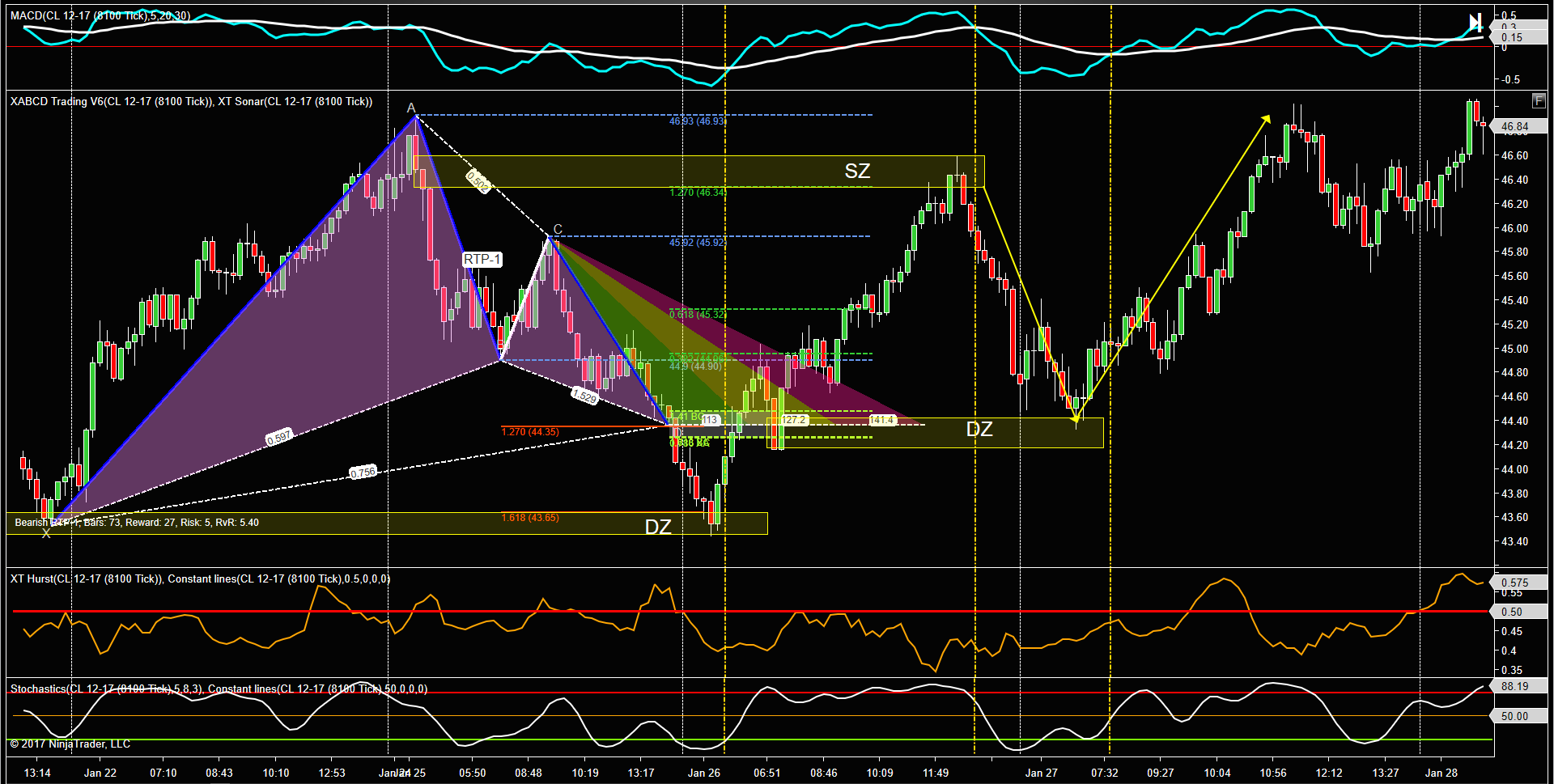
Stochastics (CL 12-17 (8100 Tick), 5, 8, 3), Constant lines (CL 12-17 (8100 Tick), 50, 0, 0, 0)

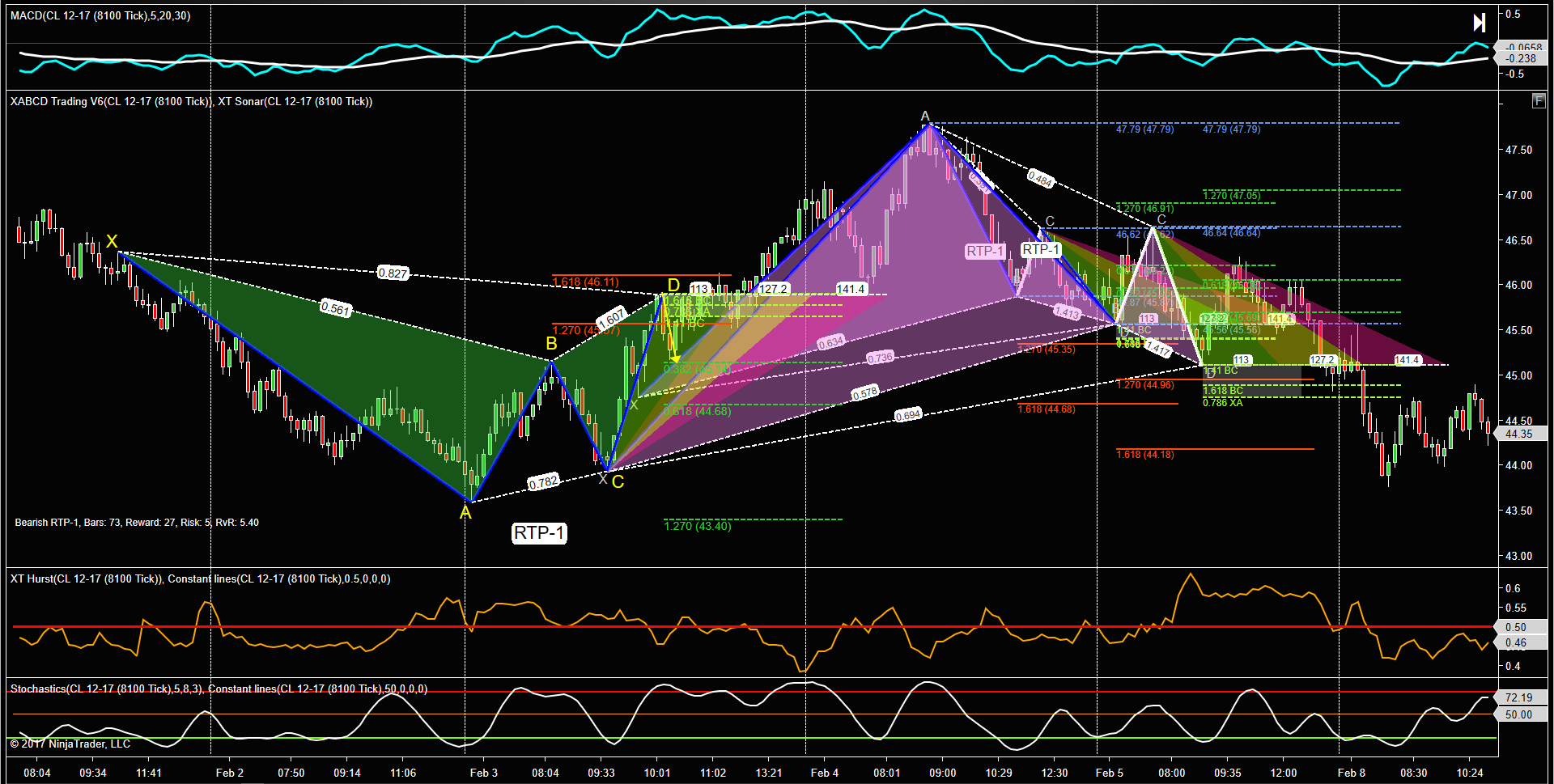
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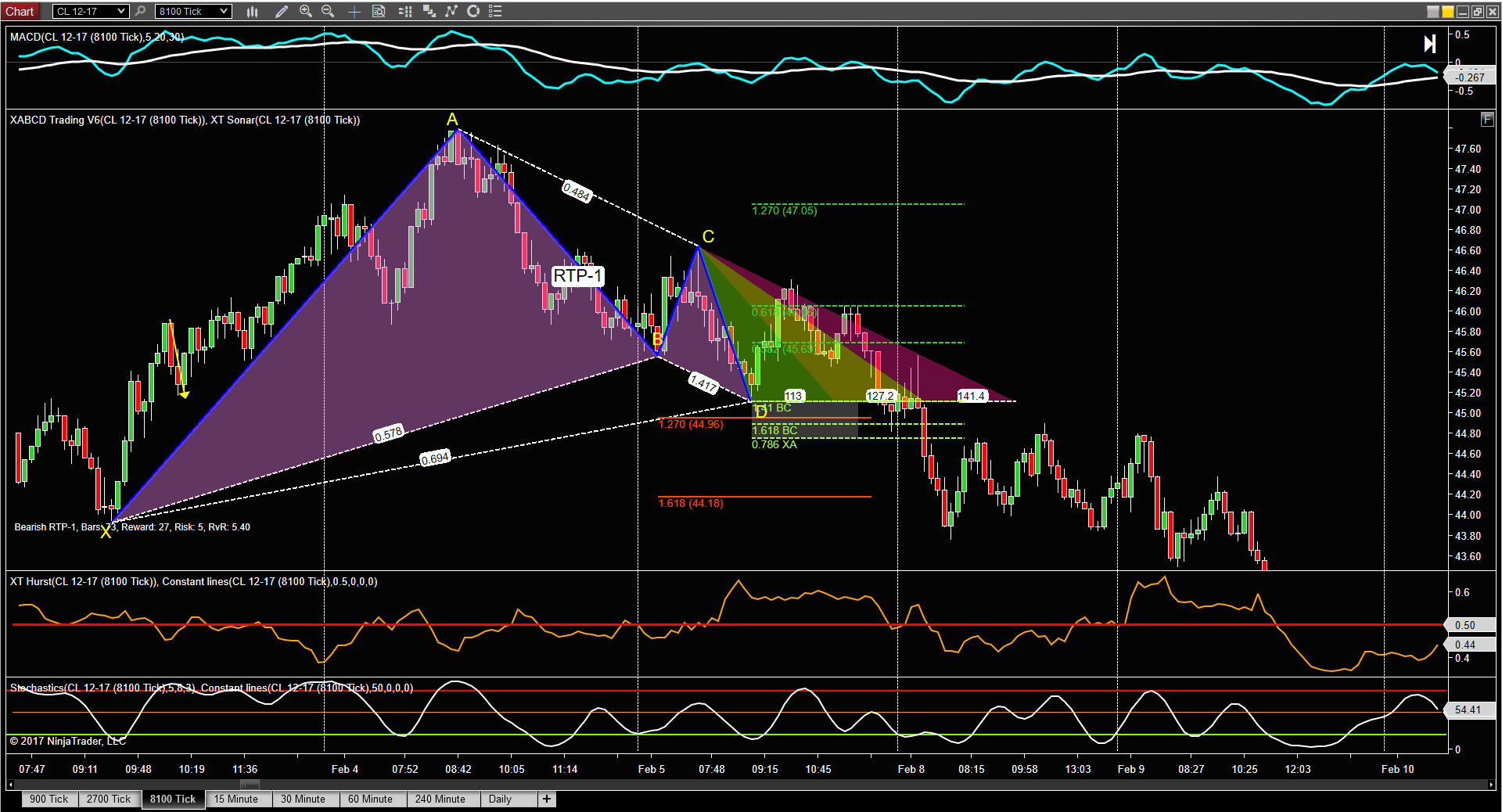












Variation 1 XB:	0.382
Variation 1 AC Min:	0.382
Variation 1 AC Max:	0.886
Variation 1 BD Min:	2
Variation 1 BD Max:	2.618
Variation 1 XD:	1.41

Variation 2 XB Min:	0.382
Variation 2 XB Max:	0.5
Variation 2 AC Min:	0.382
Variation 2 AC Max:	0.886
Variation 2 BD Min:	.999 2
Variation 2 BD Max:	2.618
Variation 2 XD:	0.886

Variation 3 XB:	0.786
Variation 3 AC Min:	0.382
Variation 3 AC Max:	0.886
Variation 3 BD Min:	2
Variation 3 BD Max:	2.618
Variation 3 XD Min:	1.27
Variation 3 XD Max:	1.41

Variation 4 XB Min:	0.55
Variation 4 XB Max:	0.618
Variation 4 AC Min:	0.382
Variation 4 AC Max:	0.886
Variation 4 BD Min:	2.618
Variation 4 BD Max:	3.618
Variation 4 XD:	1.618

ETP-3	
Variation 5 XB:	0.886
Variation 5 AC Min:	0.382
Variation 5 AC Max:	0.886
Variation 5 BD Min:	2.618
Variation 5 BD Max:	3.618
Variation 5 XD:	1.618

RTP-1	
Variation 6 XB:	0.618
Variation 6 AC Min:	0.382
Variation 6 AC Max:	0.886
Variation 6 BD Min:	1.27 1.41
Variation 6 BD Max:	1.618
Variation 6 XD:	0.786

ETP-4	
Variation 7 XD Min:	0.886
Variation 7 XD Max:	1.13
Variation 7 AC Min:	1.13
Variation 7 AC Max:	1.616
Variation 7 BD Min:	1.618
Variation 7 BD Max:	2.34

XTP-1	
XTP-1 XB Min:	0.382
XTP-1 XB Max:	0.618
XTP-1 AC Min:	1.13 1.272
XTP-1 AC Max:	1.414
XTP-1 XD:	0.786

XTP-2	
XTP-2 XB Min:	0.5
XTP-2 XB Max:	0.886
XTP-2 AC Min:	1.618
XTP-2 AC Max:	.999 2
XTP-2 XD:	0.886

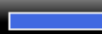










General global settings	
Time Extension 1:	113
Time Extension 2:	127.2
Time Extension 3:	141.4
Gap percent:	15

Save

ME

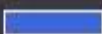
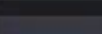

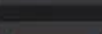

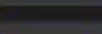
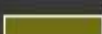

XABCD

Colors

RTP-2 Bearish Color	 RoyalBlue
RTP-2 Bullish Color	 Crimson
ETP-0 Bearish Color	 DarkOrange
ETP-0 Bullish Color	 Gold
RTP-1 Bearish Color	 LimeGreen
RTP-1 Bullish Color	 Violet
ETP-1 Bearish Color	 Red
ETP-1 Bullish Color	 Blue
ETP-2 Bearish Color	 HotPink
ETP-2 Bullish Color	 Orange
ETP-3 Bearish Color	 Aqua

XABCD Properties XABCD Properties 2

Colors

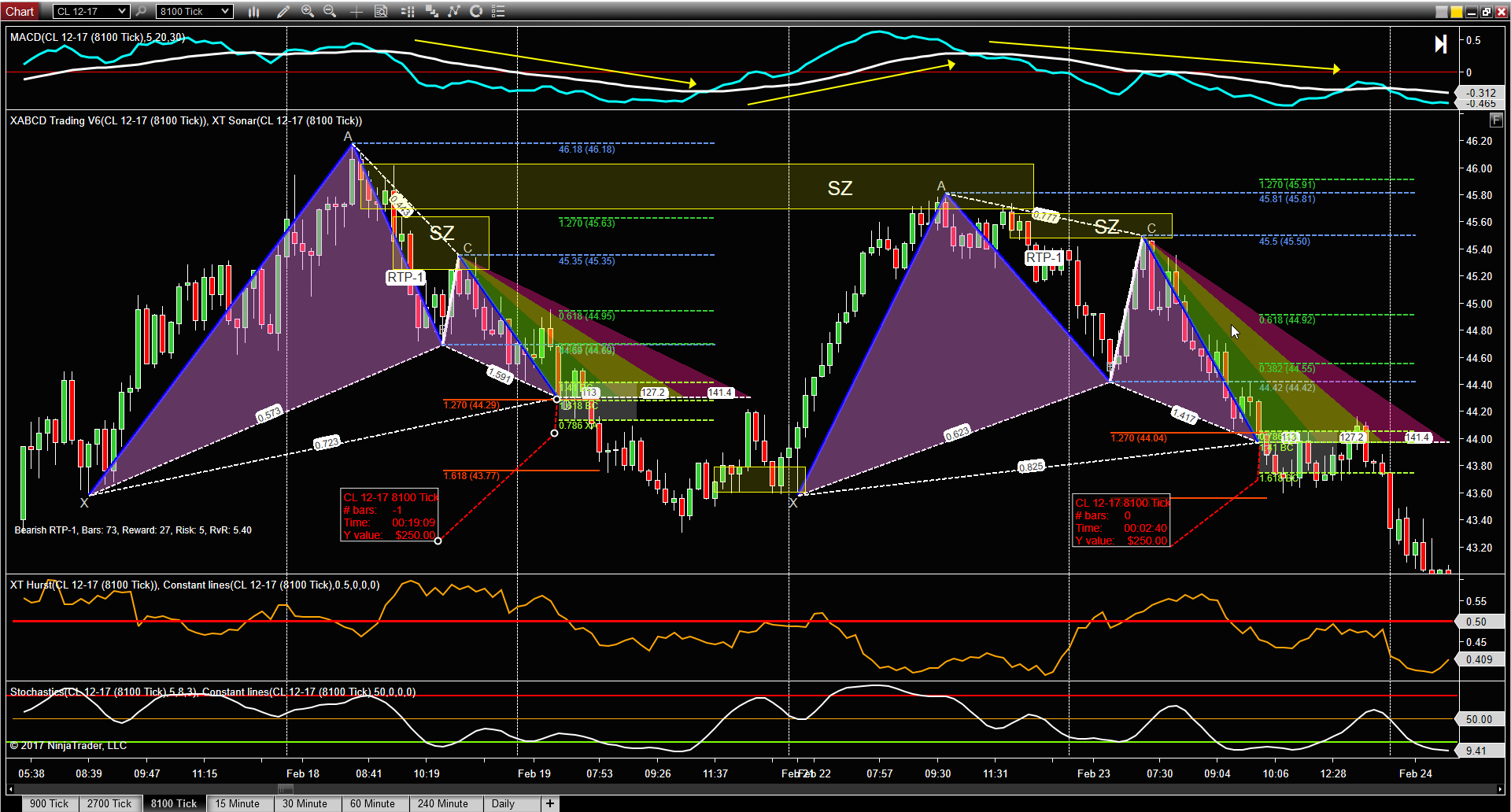
RTP-2 Bearish Color	 RoyalBlue
RTP-2 Bullish Color	 RoyalBlue
ETP-0 Bearish Color	 DarkOrange
ETP-0 Bullish Color	 DarkOrange
RTP-1 Bearish Color	 Chartreuse
RTP-1 Bullish Color	 Chartreuse
ETP-1 Bearish Color	 Olive
ETP-1 Bullish Color	 Olive

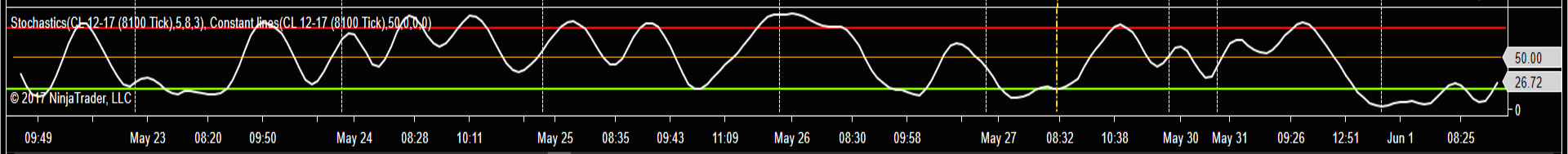
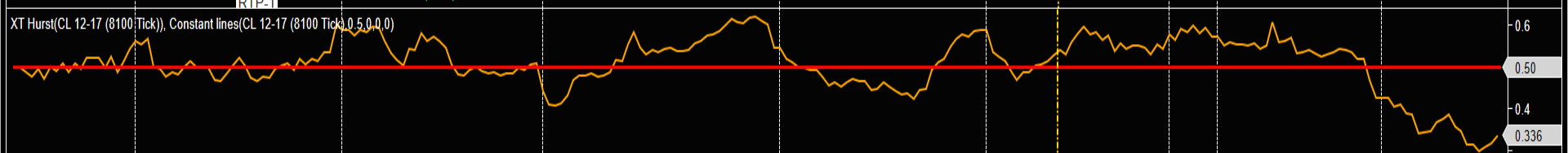
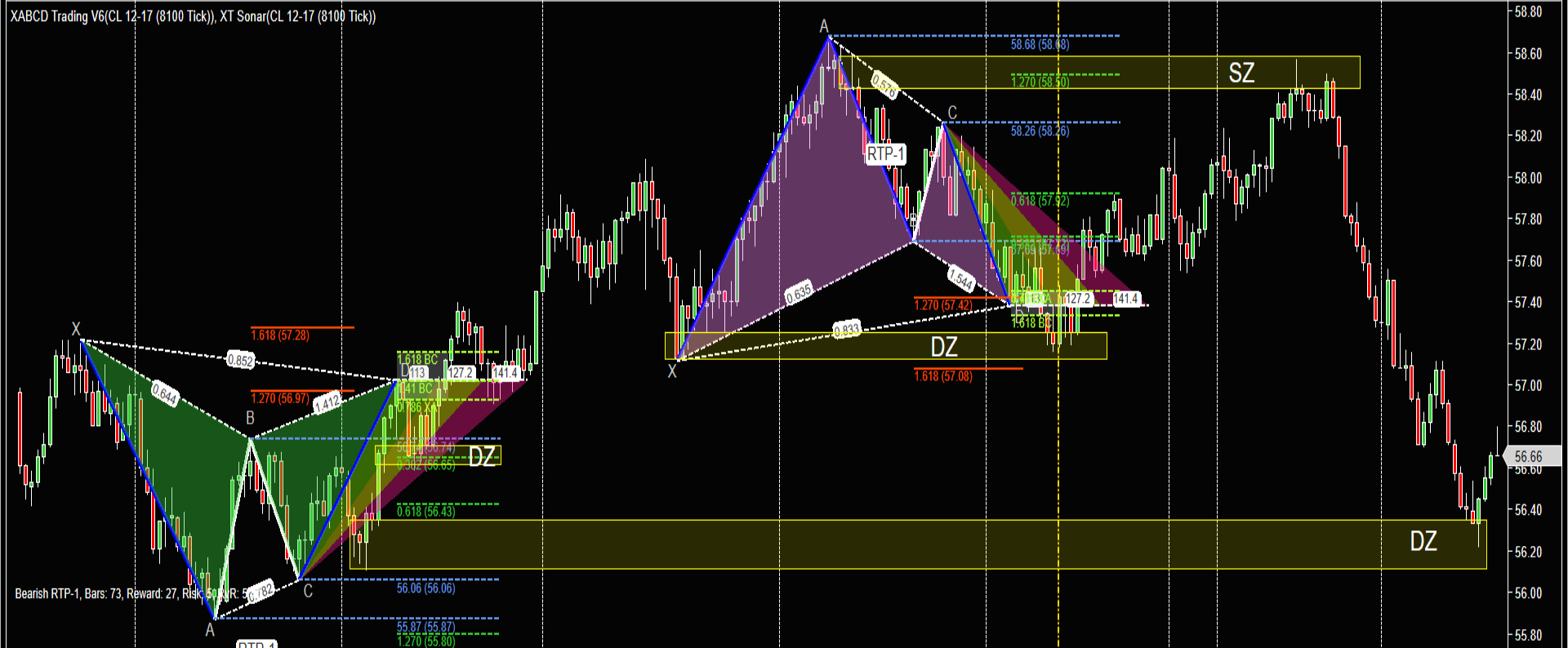
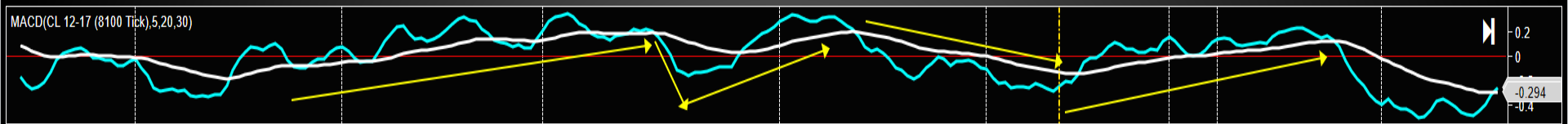
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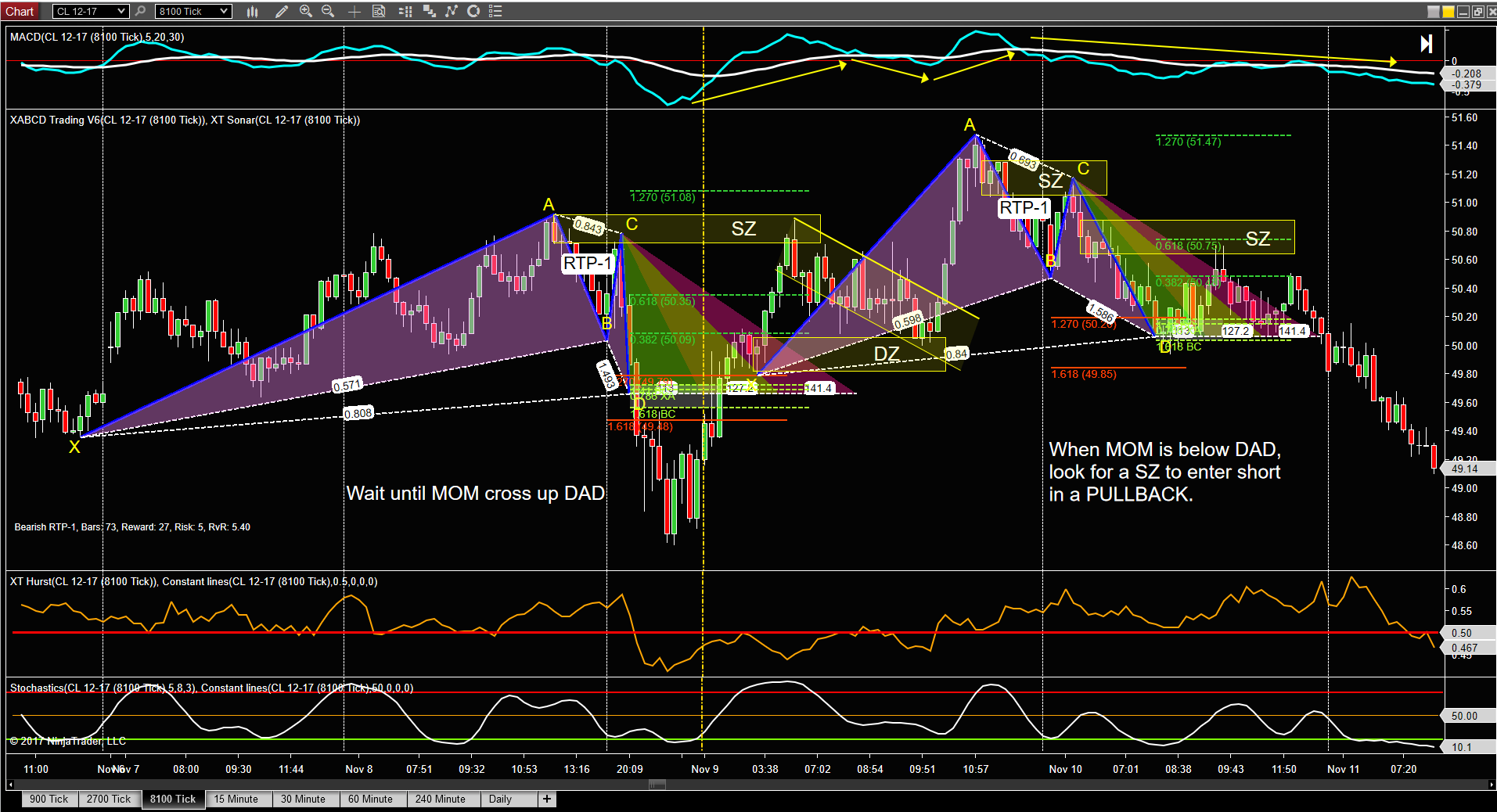
XABCD Properties							
6 Point		4 Point		3 Point		Custom Pattern	
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6 Point XB Max:	0.886	4 Point AC Max:	0.886	3 Point Wave 12 Max:	1.618	Custom Pattern XB Max:	0.618
6 Point AC Min:	2	4 Point DB Min:	1.41	3 Point Wave 23 Min:	1.128	Custom Pattern AC Min:	0.382
6 Point AC Max:	2.618	4 Point DB Max:	2	3 Point Wave 23 Max:	1.618	Custom Pattern AC Max:	1.618
6 Point BD:	0.55					Custom Pattern BD Min:	1.618
						Custom Pattern BD Max:	2.618
						Custom Pattern XD Min:	1.27
						Custom Pattern XD Max:	2

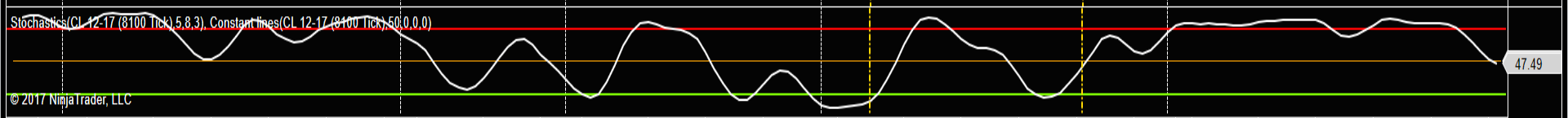
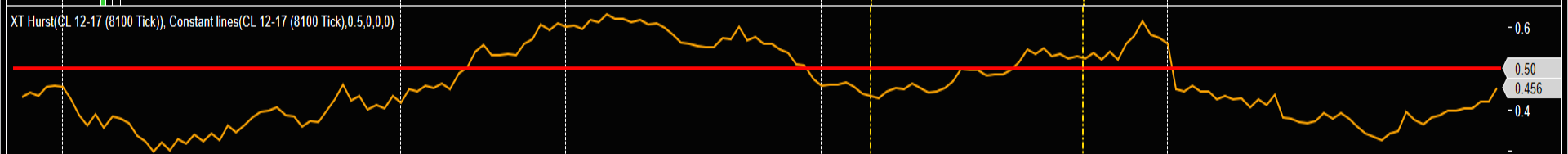
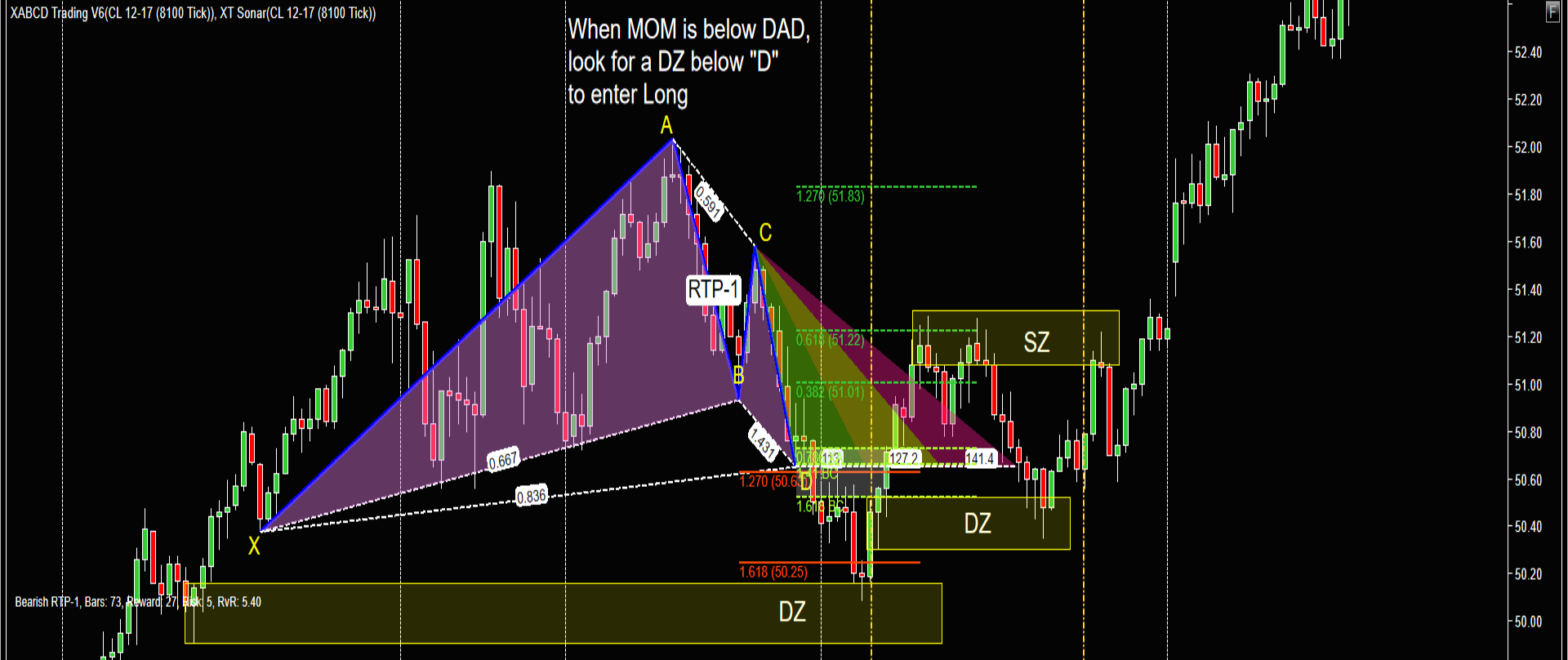
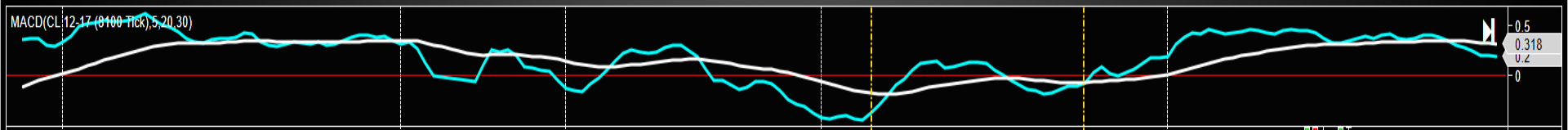
XABCD

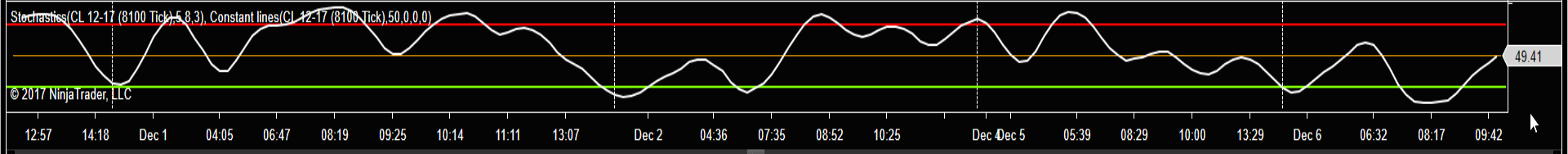
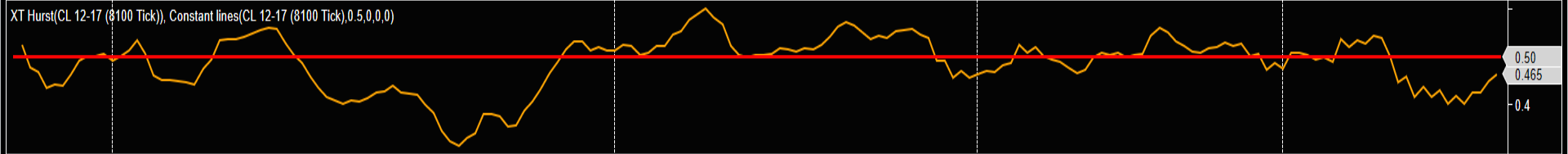
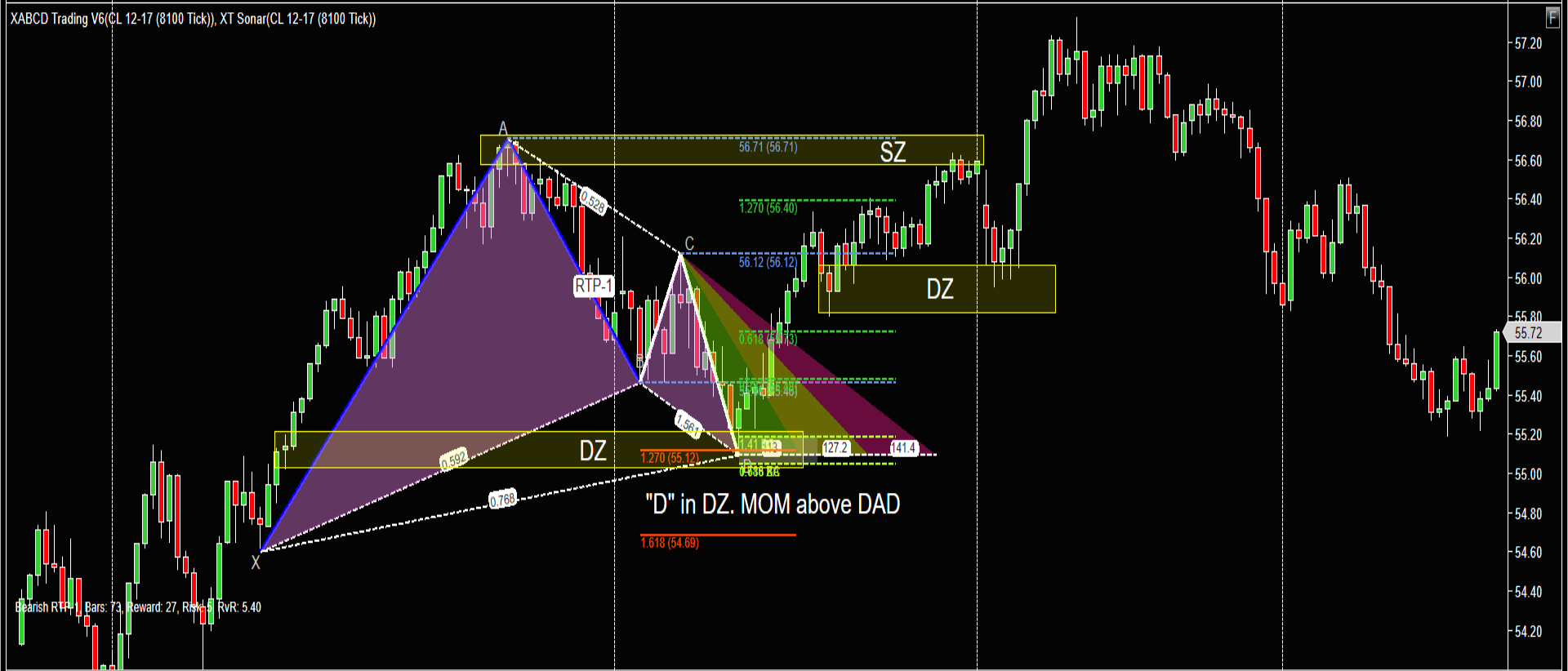
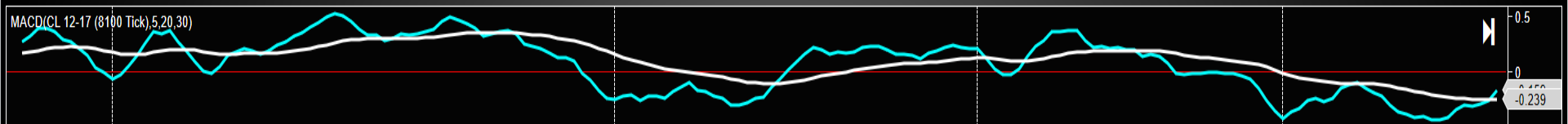
XABCD Properties							
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6 Point XB Min:	0.182	4 Point AC Min:	0.5	3 Point Wave 12 Min:	1.128	Custom Pattern XB Min:	0.382
6 Point XB Max:	1.886	4 Point AC Max:	0.65	3 Point Wave 12 Max:	1.618	Custom Pattern XB Max:	0.618
6 Point AC Min:	0.1	4 Point DB Min:	1	3 Point Wave 23 Min:	1.128	Custom Pattern AC Min:	0.382
6 Point AC Max:	5.618	4 Point DB Max:	2	3 Point Wave 23 Max:	1.618	Custom Pattern AC Max:	1.618
6 Point BD:	0.5					Custom Pattern BD Min:	0.618
						Custom Pattern BD Max:	0.786
						Custom Pattern XD Min:	10
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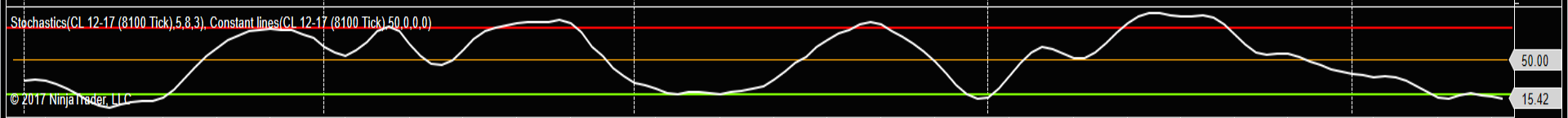
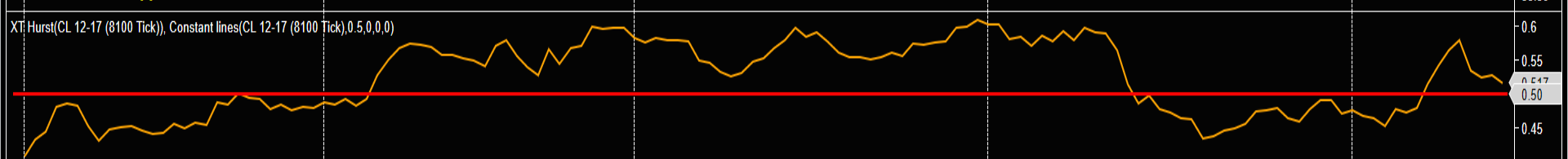
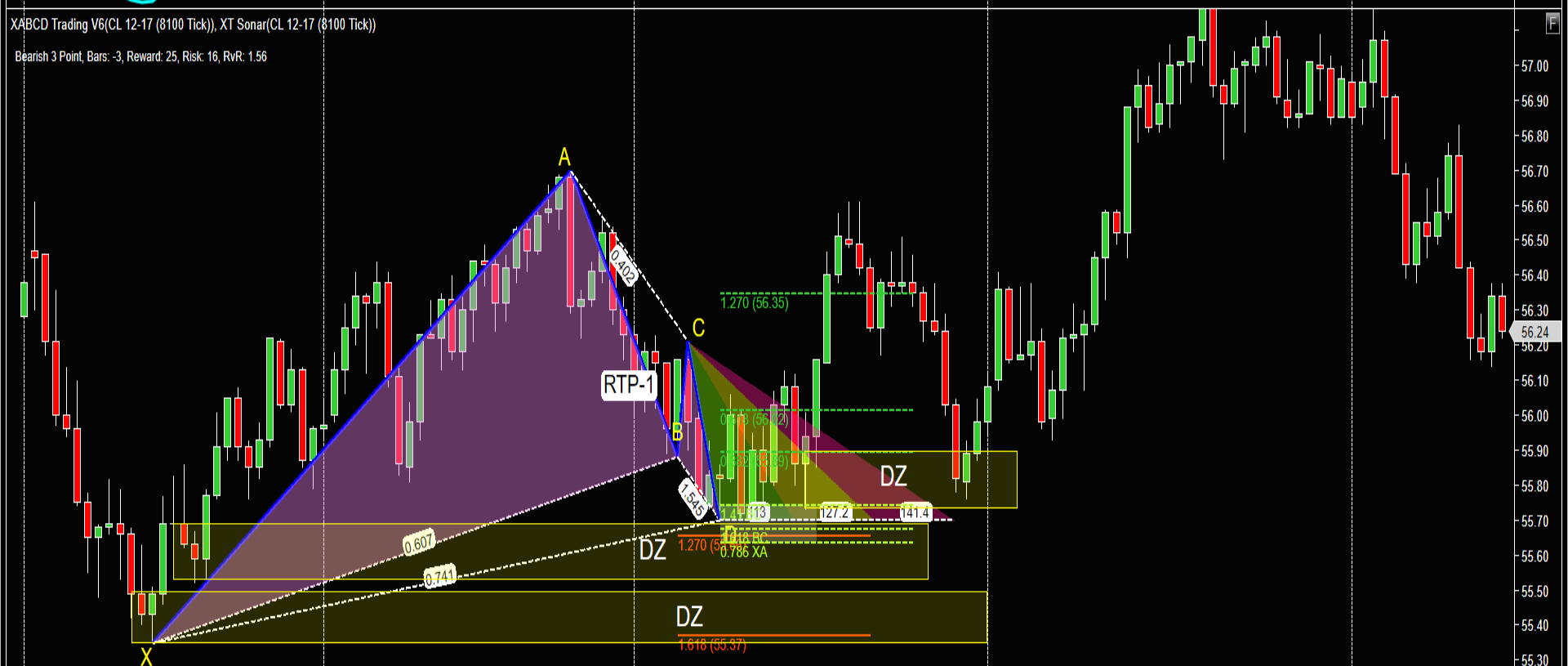
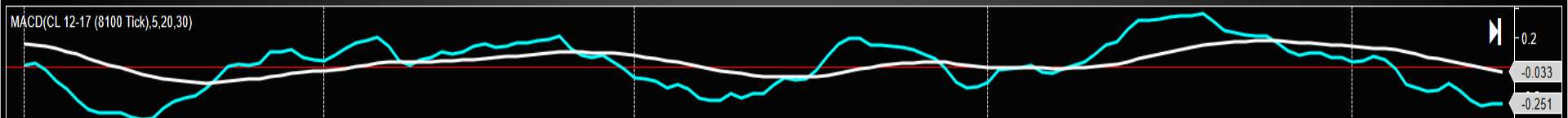


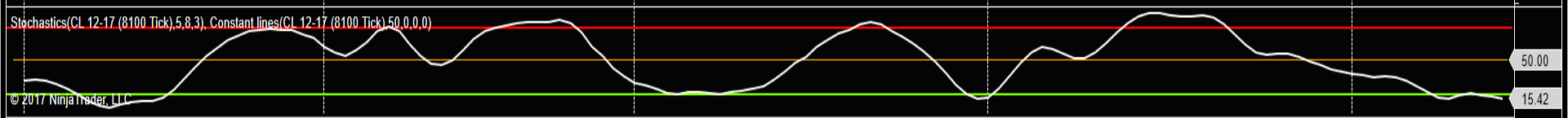
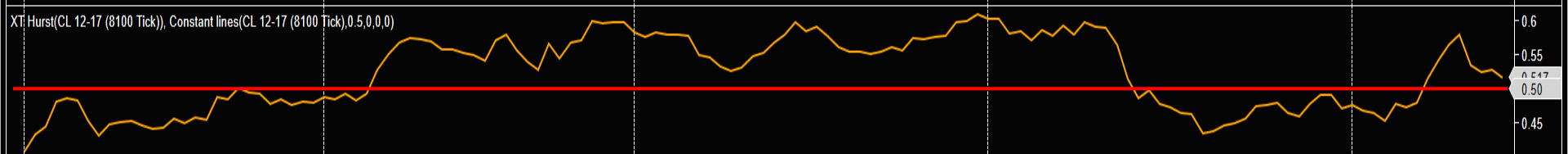
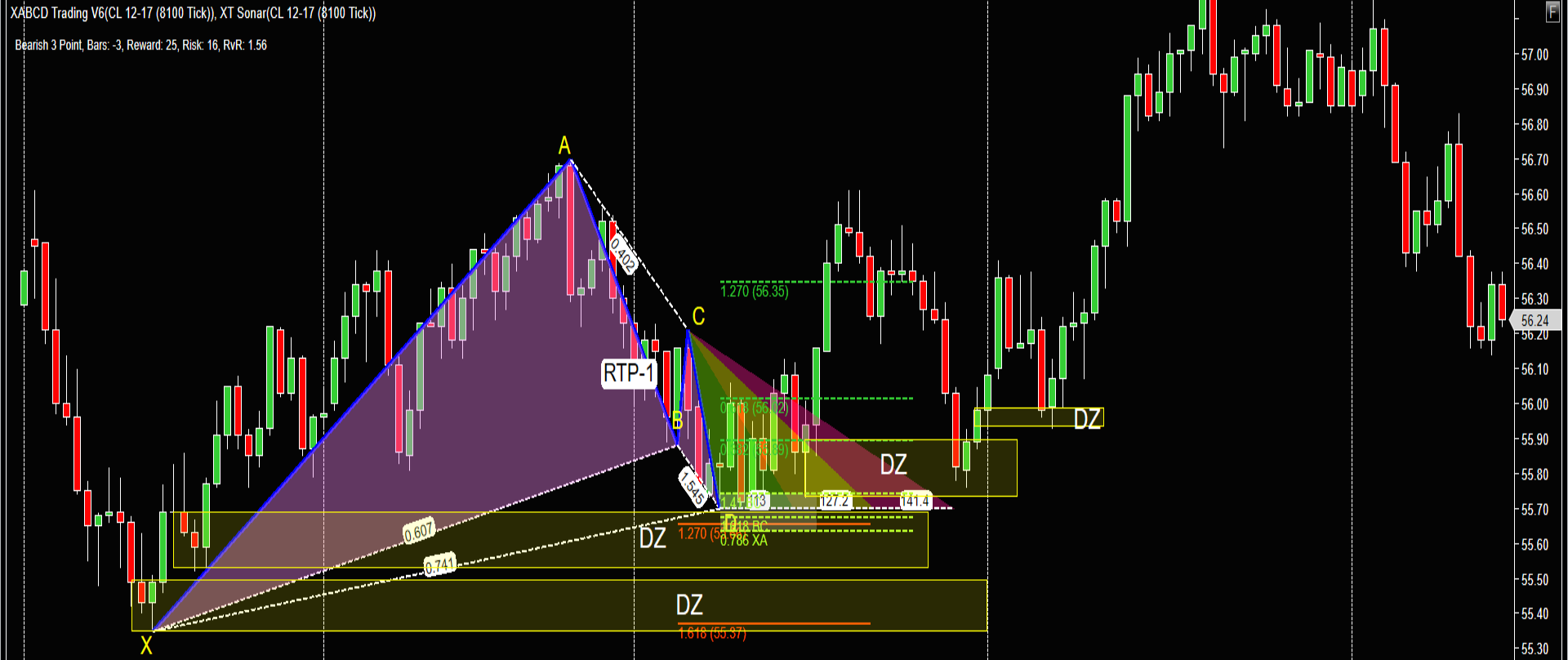
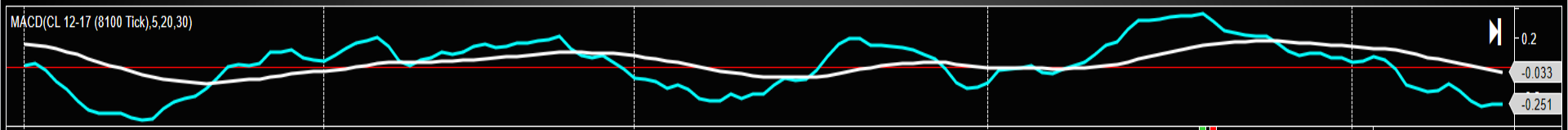


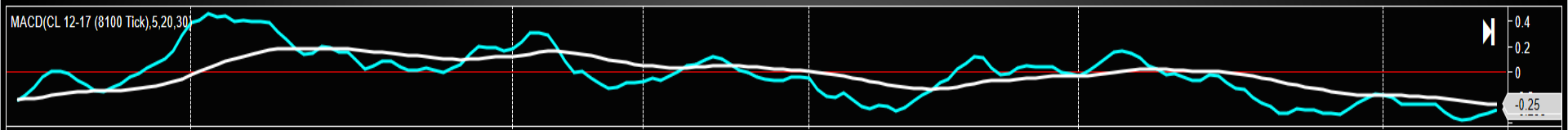




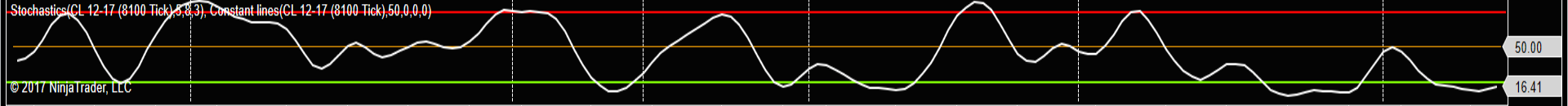
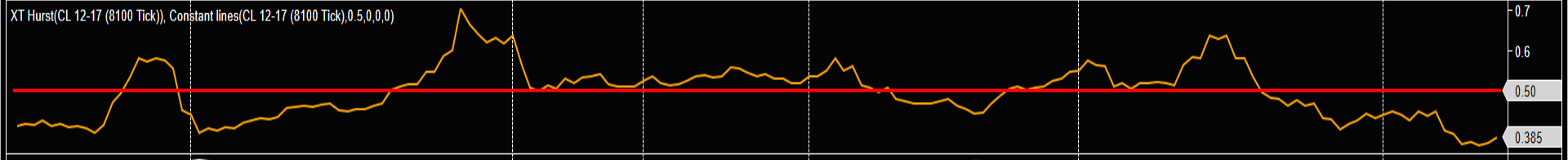


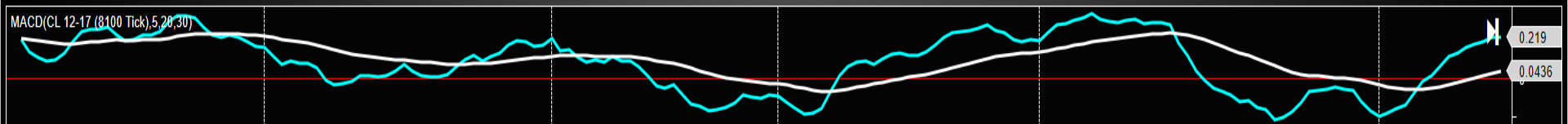






XABCD Trading V6(CL 12-17 (8100 Tick)), XT Sonar(CL 12-17 (8100 Tick))
 Bearish RTP-1, Bars: 73, Reward: 27, Risk: 5, RvR: 5.40



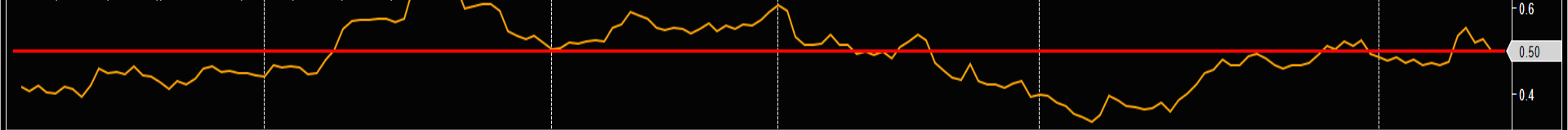


XABCD Trading V6(CL 12-17 (8100 Tick)), XT Sonata(CL 12-17 (8100 Tick))

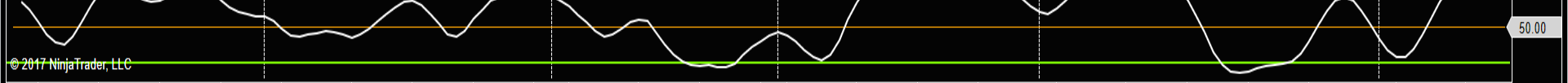
Bearish RTP-1, Bars: 73, Reward: 27, Risk: 5, RvR: 5.40

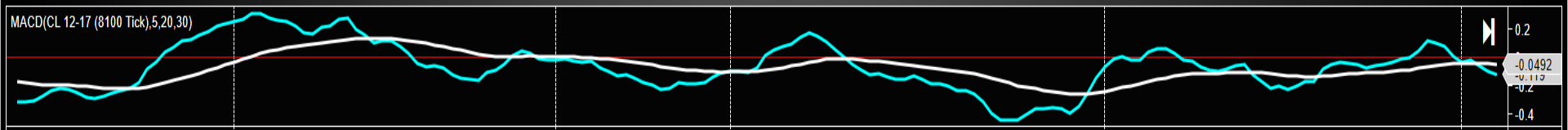


XT Hurst(CL 12-17 (8100 Tick)), Constant lines(CL 12-17 (8100 Tick),0.5,0,0,0)



Stochastics(CL 12-17 (8100 Tick),5,0,3), Constant lines(CL 12-17 (8100 Tick),50,0,0,0)



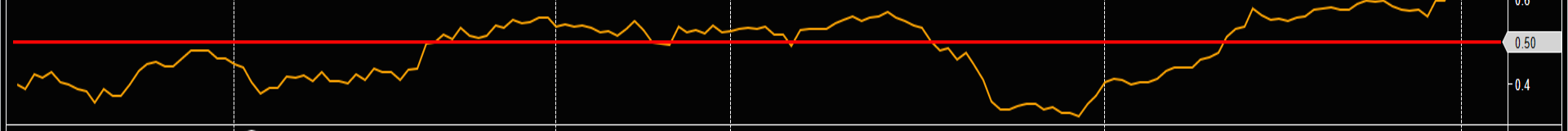


XABCD Trading V6(CL 12-17 (8100 Tick)), XT: Sonar(CL 12-17 (8100 Tick))

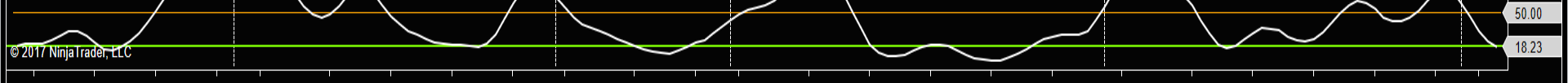
Bearish RTP-1, Bars: 73, Reward: 27, Risk: 5, RvR: 5.40

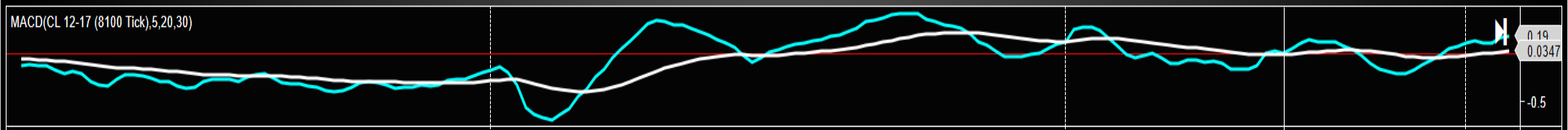


XT Hurst(CL 12-17 (8100 Tick)), Constant lines(CL 12-17 (8100 Tick),0.5,0,0,0)

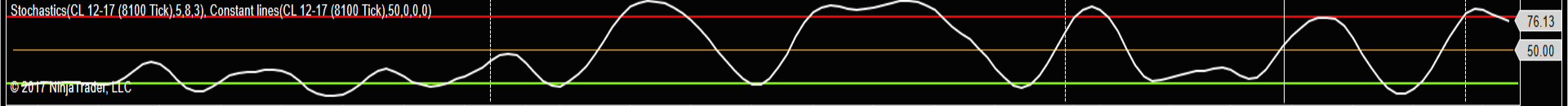
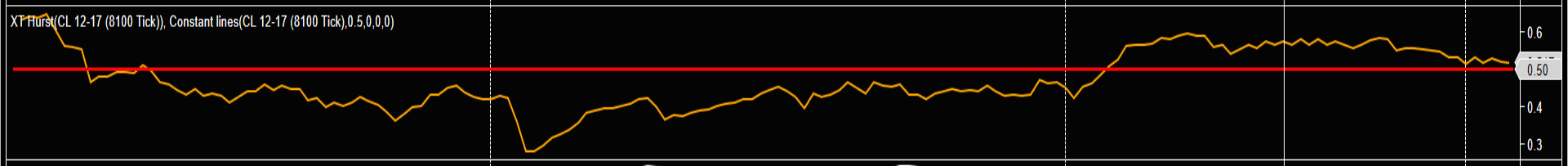
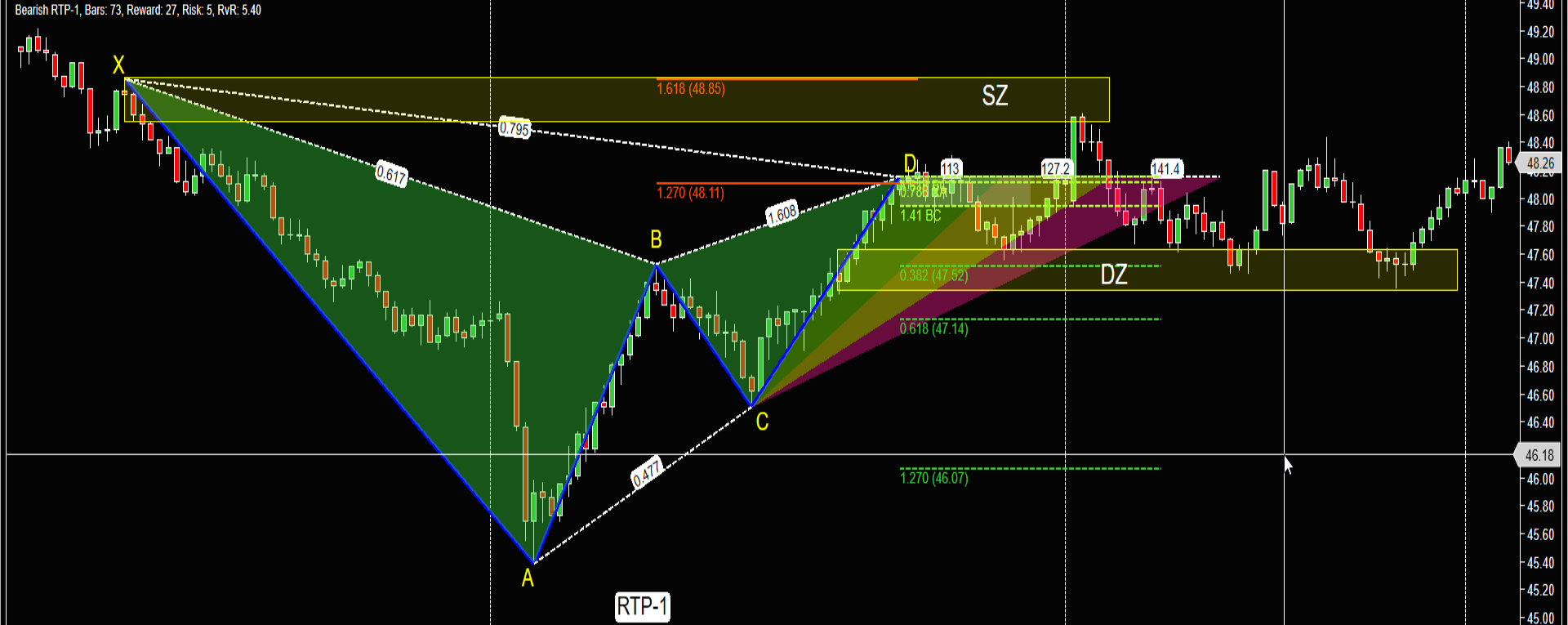


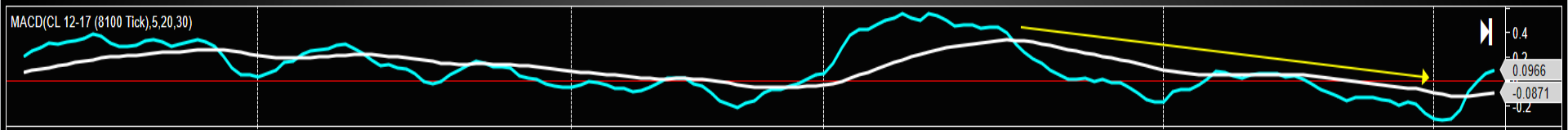
Stochastics(CL 12-17 (8100 Tick),5,0,5), Constant lines(CL 12-17 (8100 Tick),50,0,0,0)





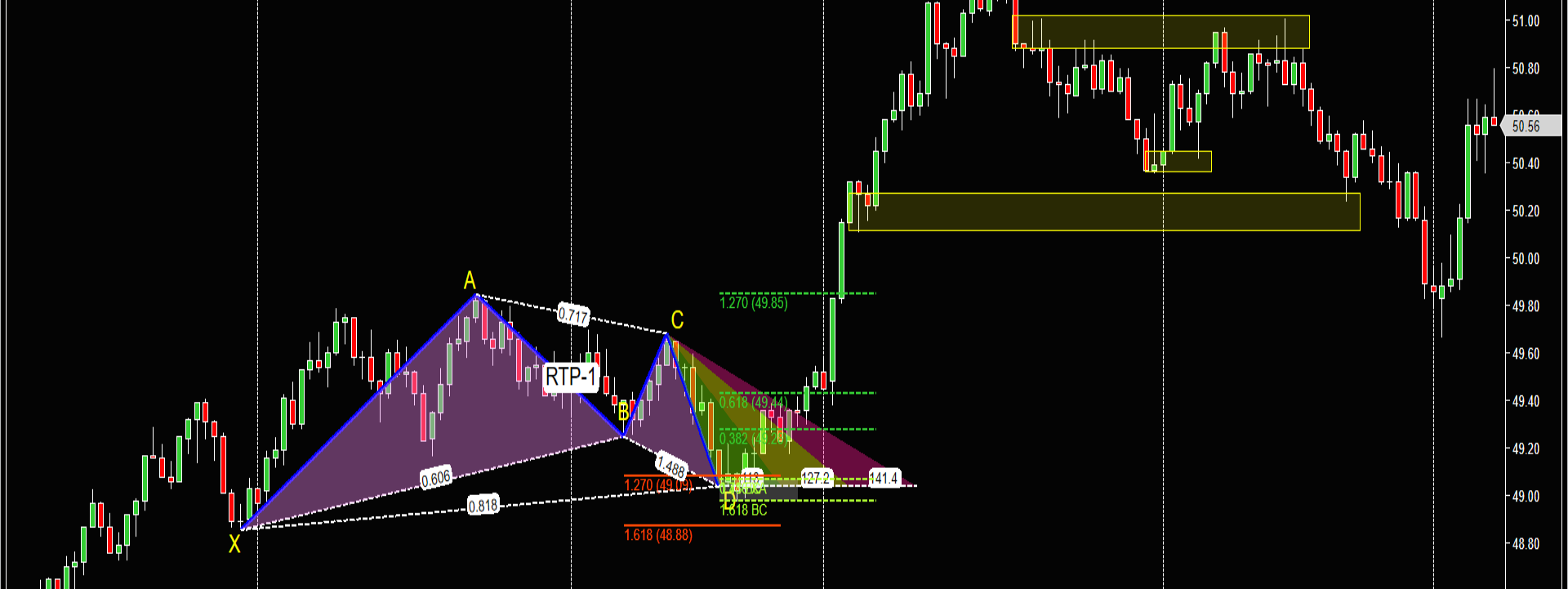
XABCD Trading V6(CL 12-17 (8100 Tick)), XT Sonar(CL 12-17 (8100 Tick))



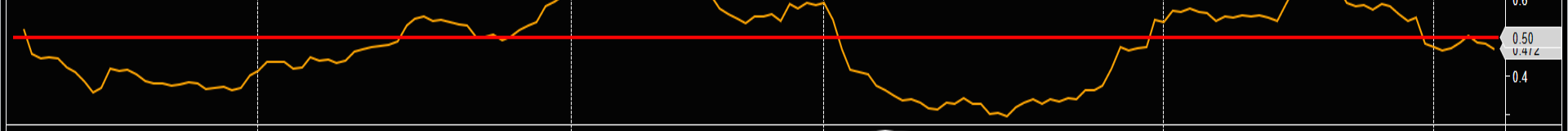


XABCD Trading V6(CL 12-17 (8100 Tick)), XT Sonar(CL 12-17 (8100 Tick))

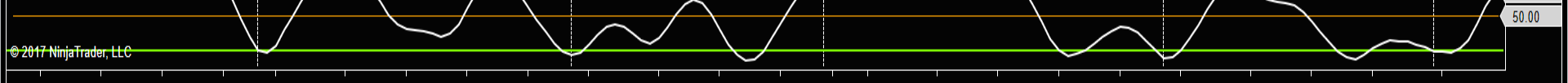
Bearish RTP-1, Bars: 73, Reward: 27, Risk: 5, RvR: 5.40

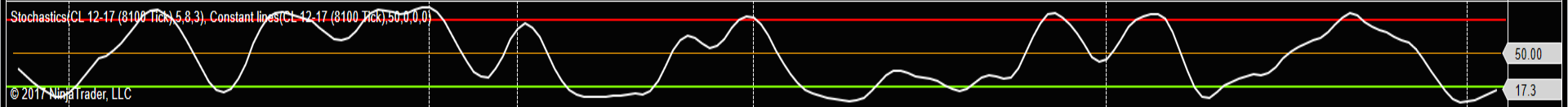
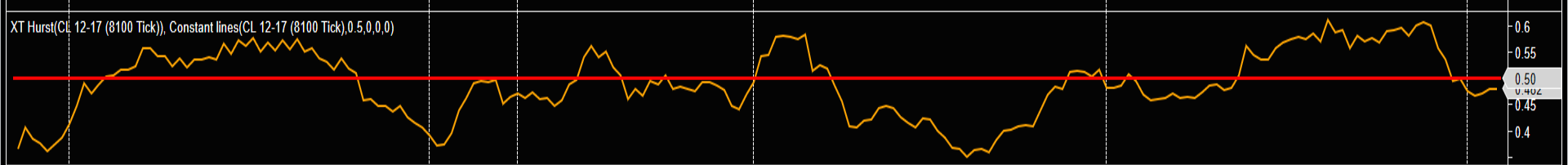
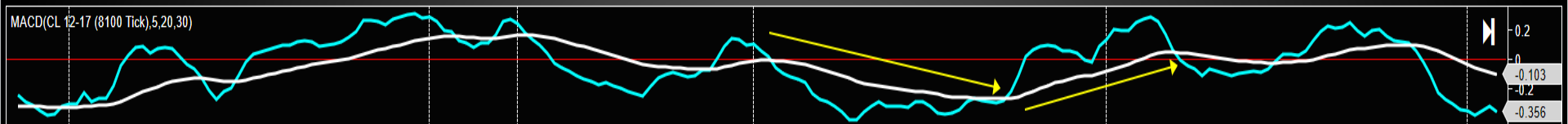


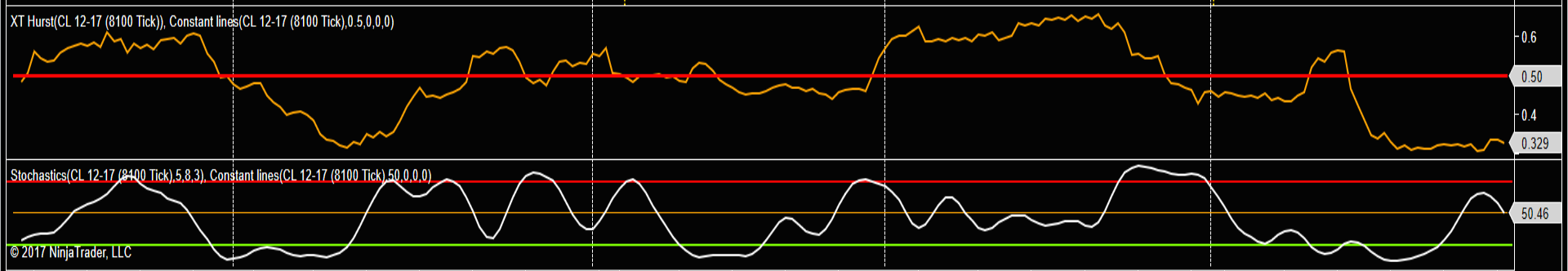
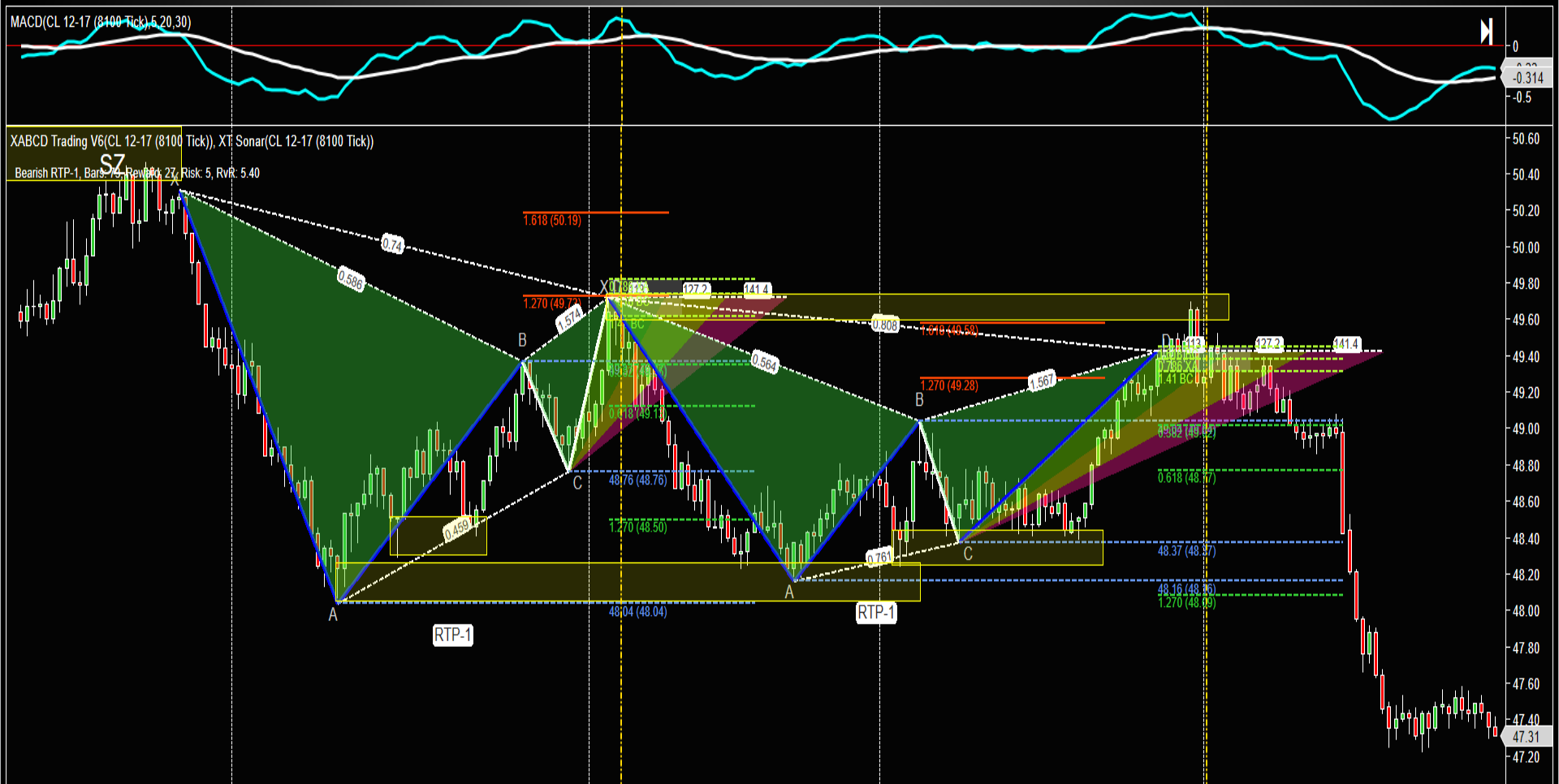
XT Hurst(CL 12-17 (8100 Tick)), Constant lines(CL 12-17 (8100 Tick),0.5,0,0,0)

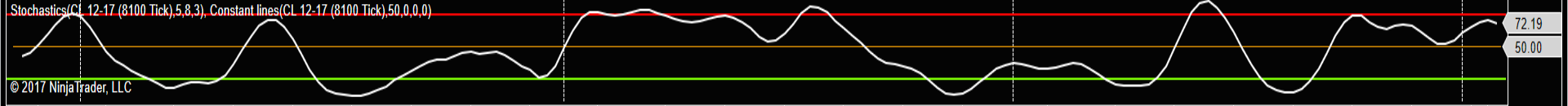
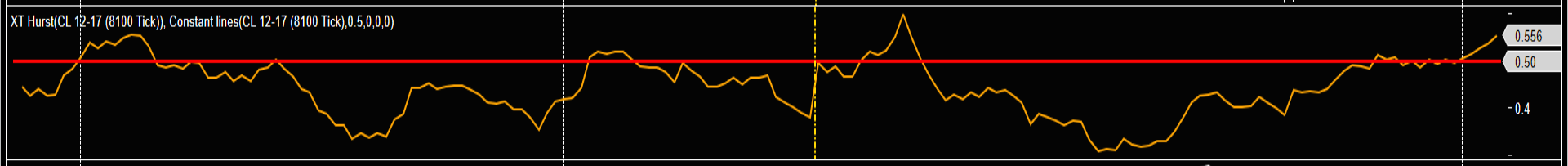
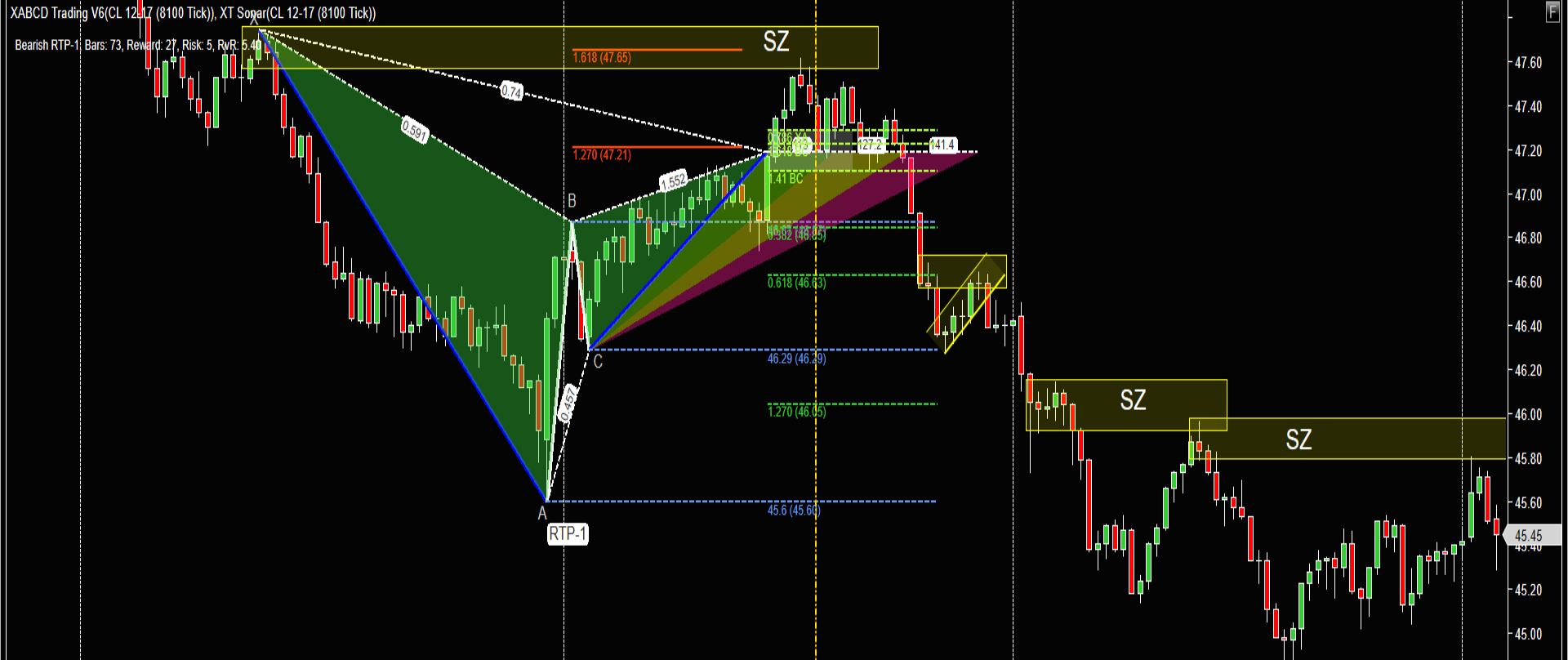
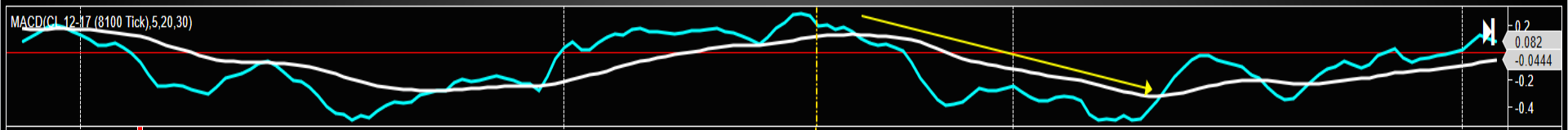


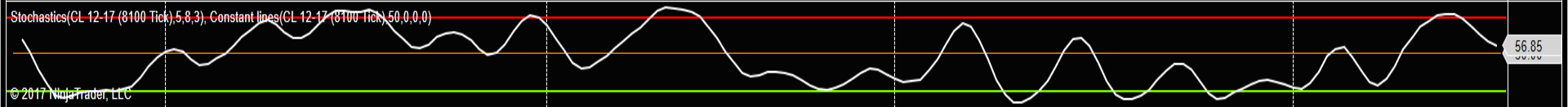
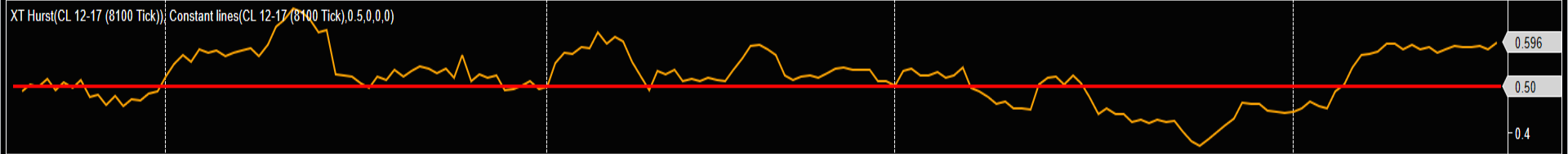
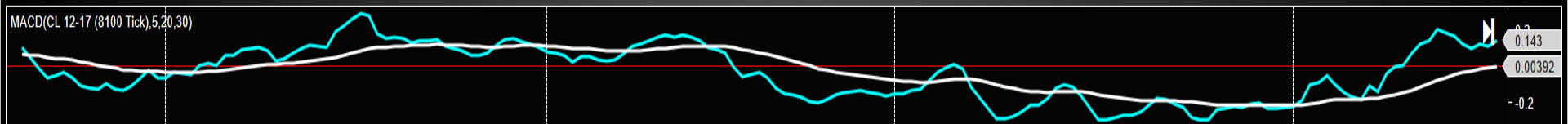
Stochastics(CL 12-17 (8100 Tick),5,8,3), Constant lines(CL 12-17 (8100 Tick),50,0,0,0)

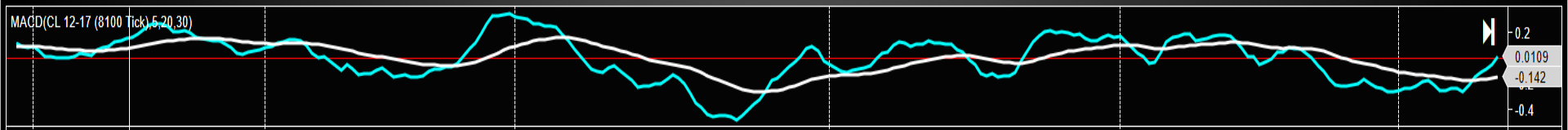




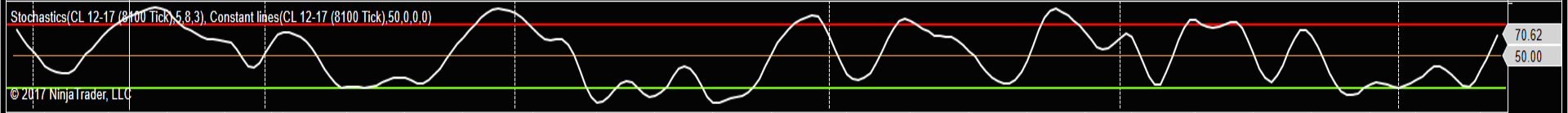
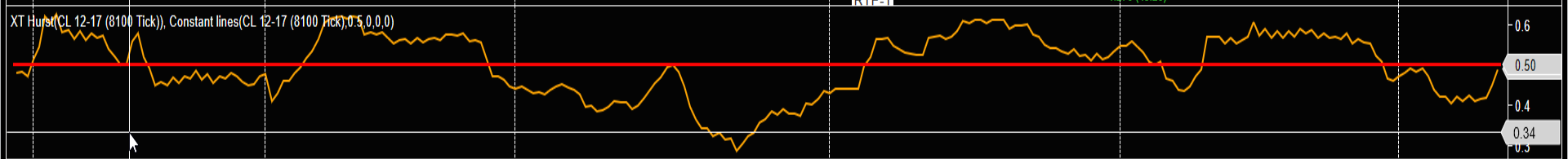
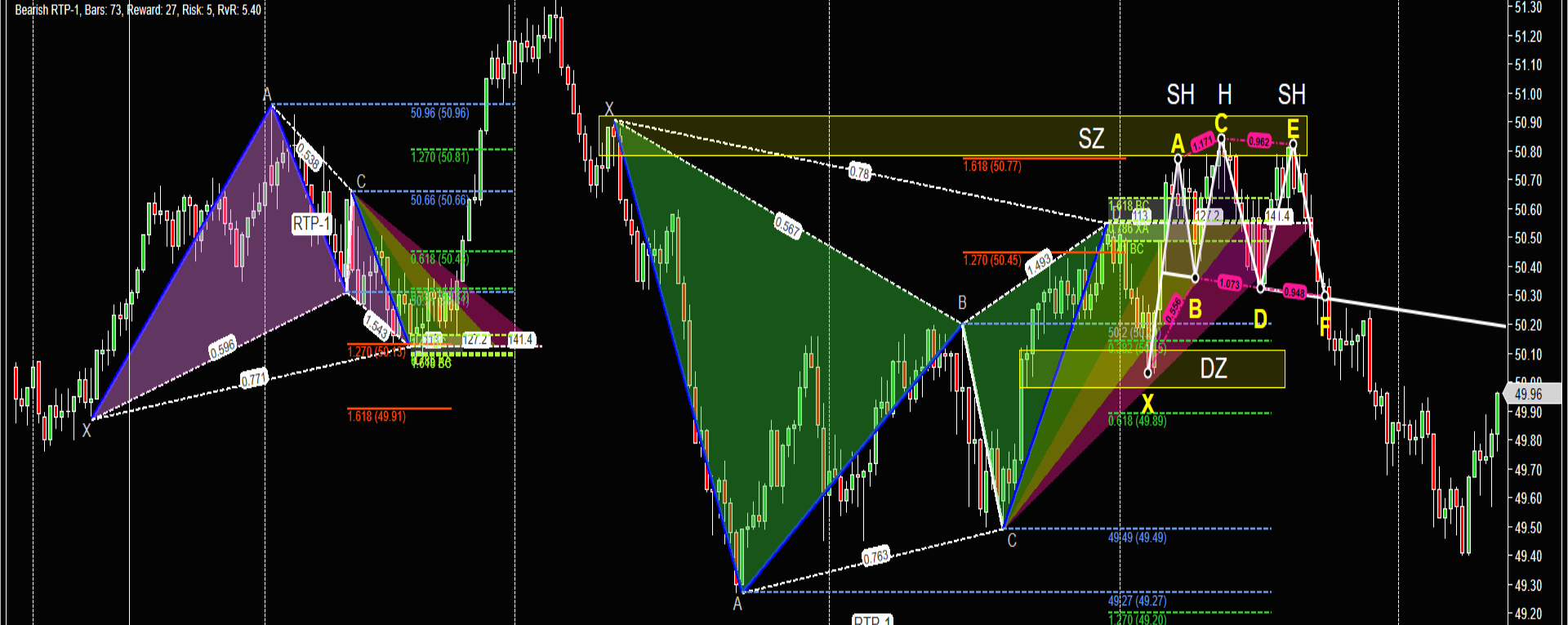


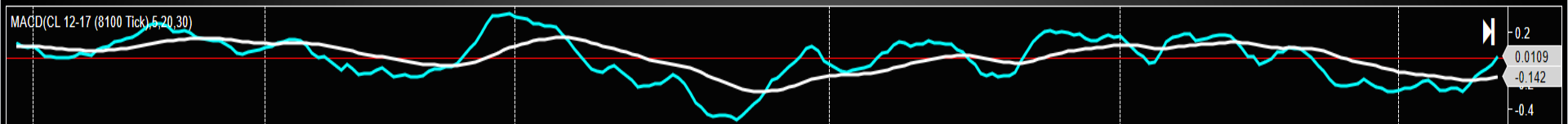






XABCD Trading V6(CL 12-17 (8100 Tick)), XT Sonata(CL 12-17 (8100 Tick))

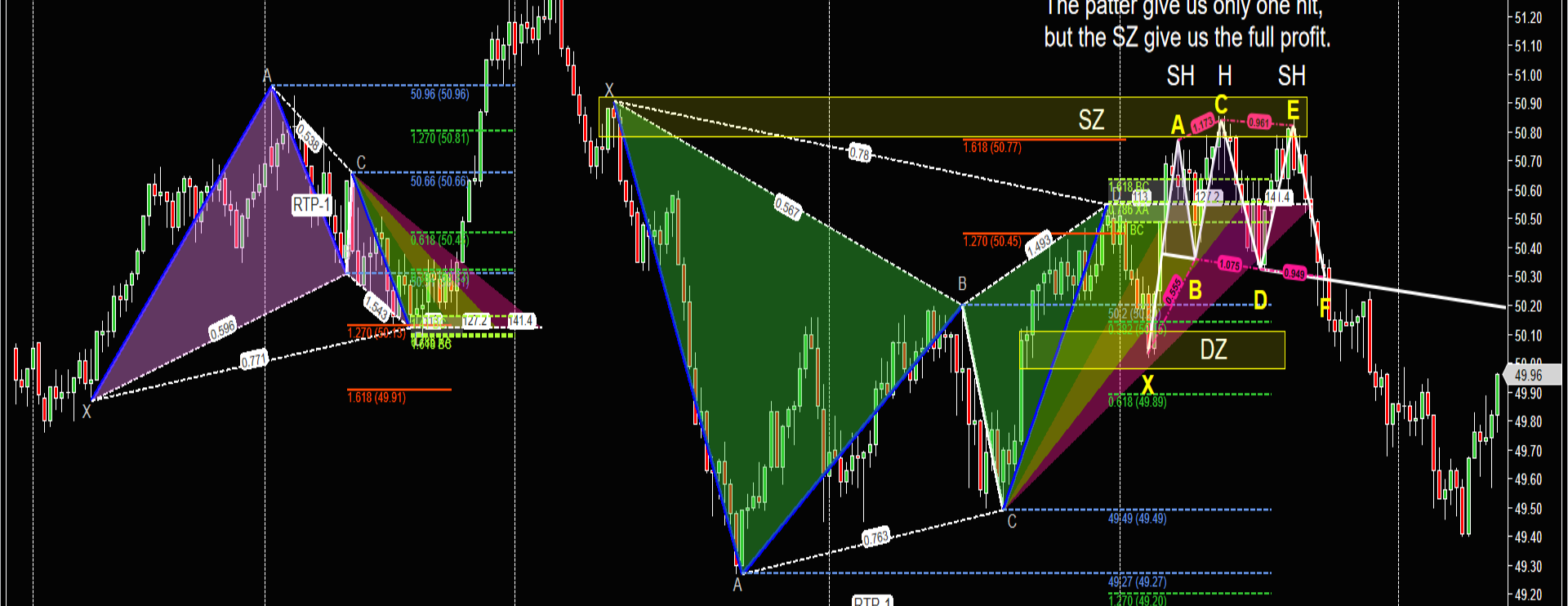




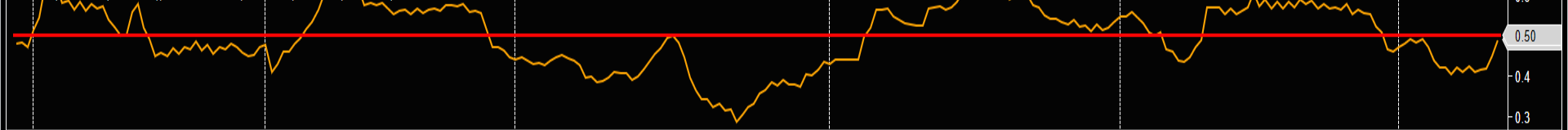
XABCD Trading V6(CL 12-17 (8100 Tick)), XT Sonar(CL 12-17 (8100 Tick))

Bearish RTP-1, Bars: 73, Reward: 27, Risk: 5, RvR: 5.40

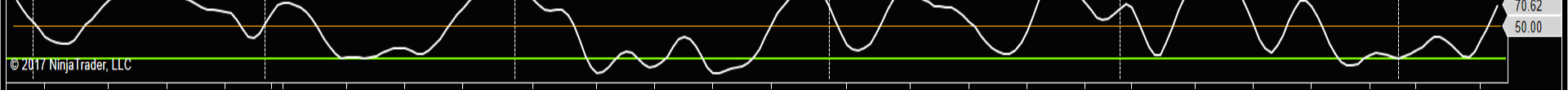
The patter give us only one hit, but the SZ give us the full profit.

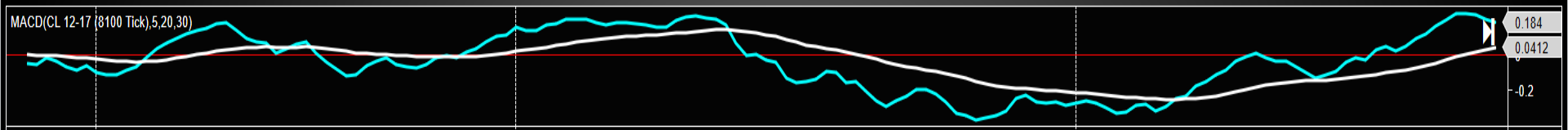


XT Hurst(CL 12-17 (8100 Tick)), Constant lines(CL 12-17 (8100 Tick),0.5,0.0,0)



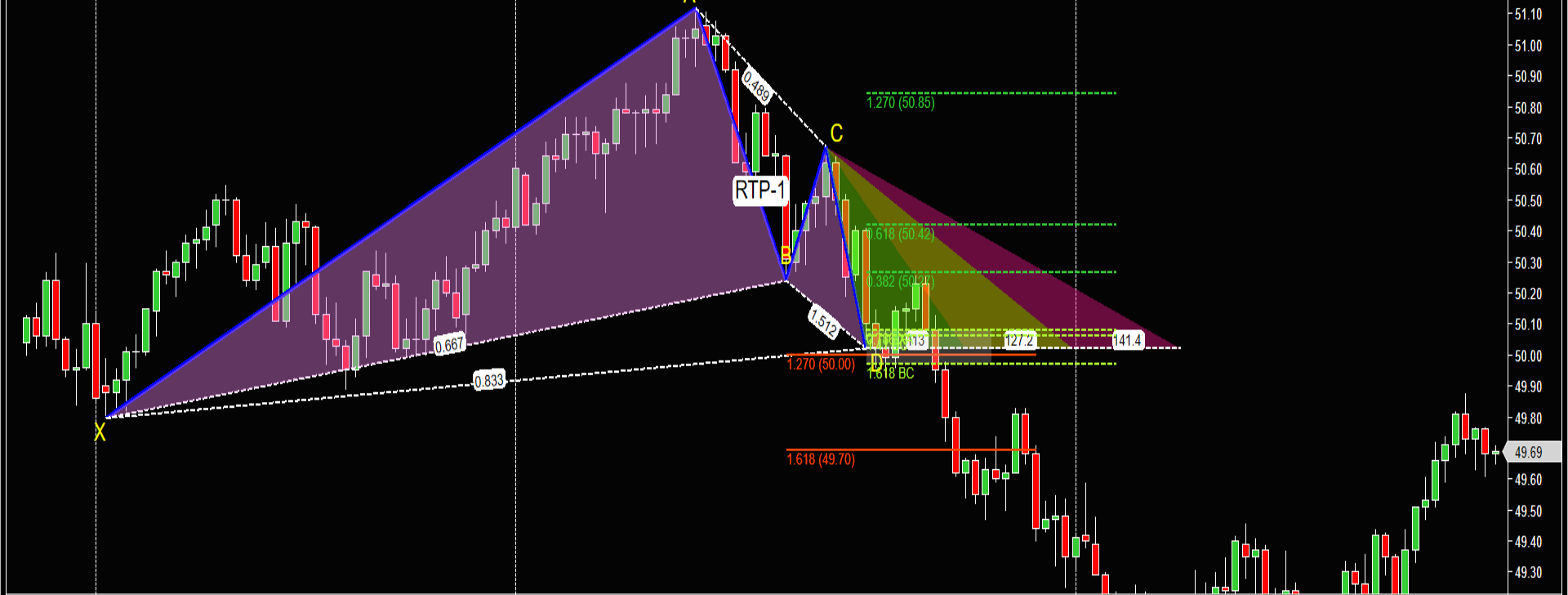
Stochastics(CL 12-17 (8100 Tick),5,8,3), Constant lines(CL 12-17 (8100 Tick),50,0,0,0)



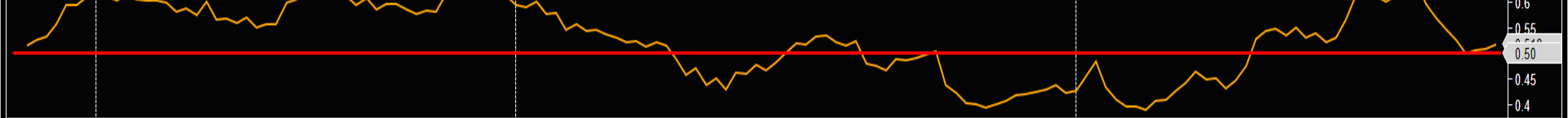


XABCD Trading V6(CL 12-17 (8100 Tick)), XT Sonar(CL 12-17 (8100 Tick))

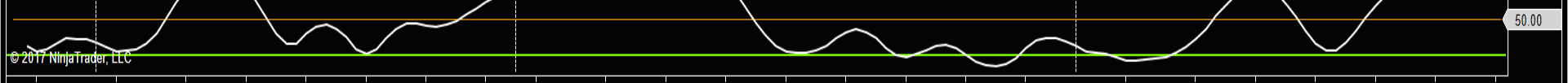
Bearish RTP-1, Bars: 73, Reward: 27, Risk: 5, RvR: 5.40

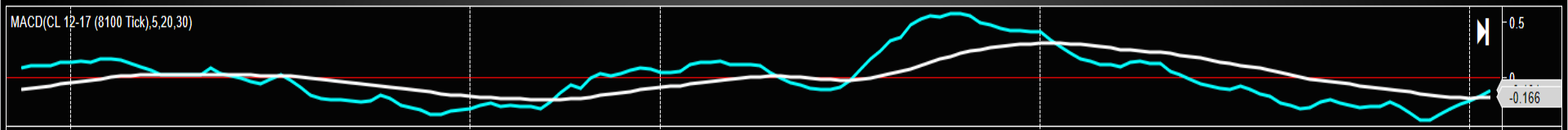


XT Hurst(CL 12-17 (8100 Tick)), Constant lines(CL 12-17 (8100 Tick))0.5,0,0,0



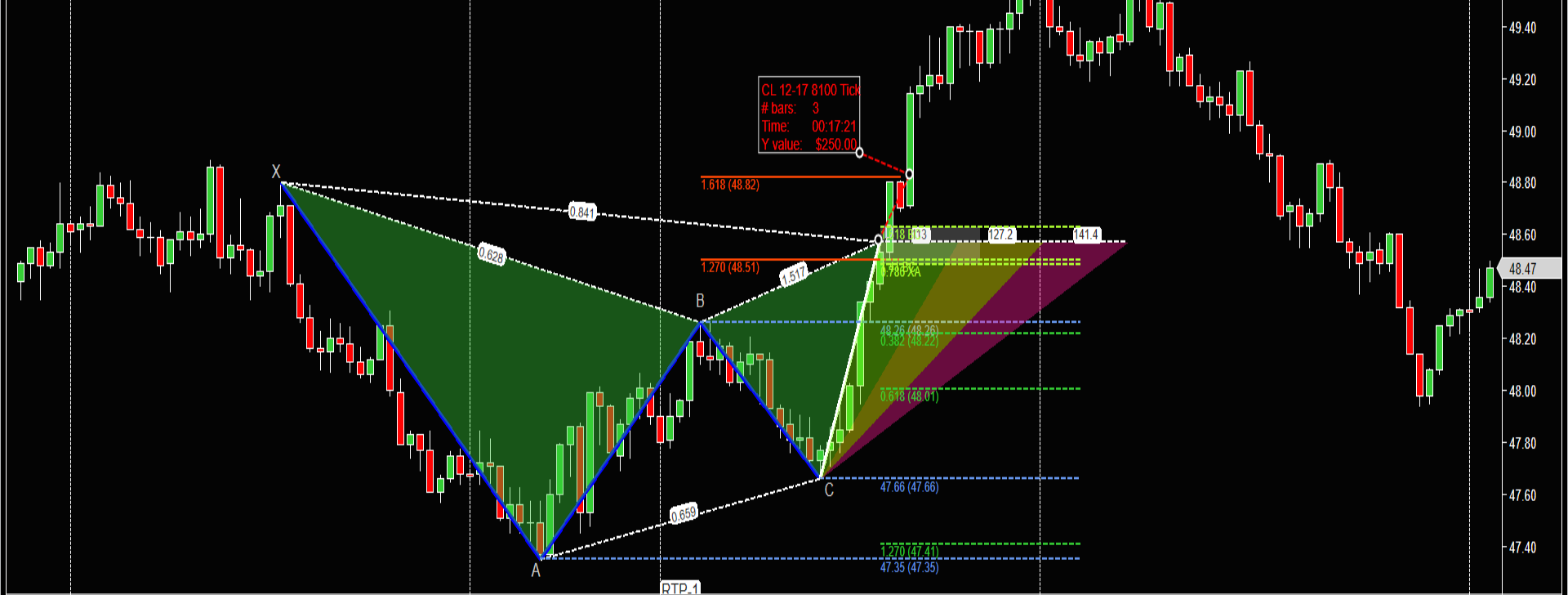
Stochastics(CL 12-17 (8100 Tick))5,8,3, Constant lines(CL 12-17 (8100 Tick))50,0,0,0





XABCD Trading V6(CL 12-17 (8100 Tick)), XT Sonar(CL 12-17 (8100 Tick))

Bearish RTP-1, Bars: 73, Reward: 27, Risk: 5, RvR: 5.40



XT Hurst(CL 12-17 (8100 Tick)), Constant lines(CL 12-17 (8100 Tick),0.5,0,0,0)



Stochastics(CL 12-17 (8100 Tick),5,8,3), Constant lines(CL 12-17 (8100 Tick),50,0,0,0)

