

How to deal with All-Time-High (ATH) and All-Time-Low (ATL)

After finding a valid Legin-Base-Legout setup, demand zone below current price for long scans, or supply zone above current price for short scans, an opposing zone is required. This opposing zone is sometimes in the form of Leg-in-Base-Leg-out but there are exceptions when;

- A) The last candle (most recent) is making ATH / ATL *OR*
- B) Earlier candle/s made an ATH or ATL but not as a legin-Base-legout setup.

A) CURRENT CANDLE MAKING ALL TIME HIGHS OR LOWS

Therefore, when scanning for long, if the current candle is making the highest price, and there is no opposing supply zone above the current candle, the highest value of the current candle becomes the high end of the curve. Let's call it ATH (ALL-TIME-HIGH). The range of the curve is marked from the highest body of the Demand zone's basing candle and the price level of ATH on the opposing side. (This level is not a price range/band, like the demand zone below, it is just a single price value).

Similarly, when scanning for short, and if the current candle is making the lowest price, and there is no opposing demand zone below the current candle, the lowest value of the current candle becomes the lower end of the curve. Let's call it ATL (ALL-TIME-LOW). The range of the curve is marked from the lowest body of the supply zone's basing candle and the price level of ATL on the opposing side. (This level is not a price band, like the supply zone above, it is just a single price value).

B) CURRENT CANDLE NOT MAKING HIGHS OR LOWS AND NO VALID ZONE FOUND:

Now, if the current candle is not making ATH or ATL, AND there is no valid opposing zone either; made of LEGIN-BASE-LEGOUT setup, **then we have to determine, which candle and how far back, made the highest price (for long scan) or lowest price (for short scan).** The following rules will be used for All time high (opposing SZ) and all-time-low (opp. DZ), in this case.

***Also, note, the opposing zone leg-ins, leg-outs and bases will have their own values in the GUI field 7,8,10,11 and it is those values we will use to find the opposing zone within the look back period defined in the table below.*

LONG TRADE SCAN (prices making all-time highs):

IF <u>HIGHER</u> Time Frame is	Max. Look back period for opposing zone (excluding current candle). GUI field 12: HTF OPP ZONE RANGE	Note
Monthly	12 candles	How far back to check is valid only for Opposing zones. The trading zone will be equal to HTF range GUI 5.
Weekly	52 candles	
Daily	183 candles	
Intraday (1hr, 1min, 5 min, 1min)	160 candles	
Possible results, when compared to High of Current Candle.		
<div>1. Exception 1: No candle with higher price found within max. look back period (gui 12). Output: Current candle high is upper price limit of the curve</div>		
<div>2. Exception 2: Other candles have reached higher price than the current candle high, within the look back period (gui 12) but NO valid supply zone.</div>		

Output: The high of the most recent candle (after current) is the valid upper level of curve.

If <u>LOWER</u> Time Frame is:	Max. Look back Period for opposing zone only (excluding current). GUI field 12: LTF OPP ZONE RANGE	Note
Daily	183 candles	This max look back period is only to check how far back an opposing zone can be found. The trading zone will be equal to HTF range GUI 5.
Hourly	160 candles	
15 Mins	160 candles	
5 Mins / 1 MIN	160 candles	
Possible results, when compared to High of Current Candle.		
3. Exception 1: No candle with higher price found within max. look back period (gui 12) Output: Current candle high is upper limit for Risk-to-Reward Calculation		
4. Exception 2: Other candles have reached higher price than the current candle high, within the look back (gui 12) period but NO valid supply zone. Output: The high of the most recent candle (after current one) is the valid upper price level for RR calculation		

Description of table above - For Long Trade Scan, after valid Demand Zone found:

To mark the opposing Supply Zone, compare the highest price of the current/today's candle with the highest price of all the candles as far back as Max. look back period (gui 12) from the table above.

- IF any candle has a high, higher than current candle's high, check if there is valid supply zone Li-B-LO, SZ setup, if yes, take the most recent setup, mark the lowest body of the base as the upper limit of the curve. This is normal scenario as outlined in the main document.
- IF Li-B-LO setup is not found but there are other candles that had made higher highs compared to the current candle, mark the high, of the MOST RECENT CANDLE that has it's high higher than the current candle, as the upper limit of the curve. (this is very important; it must be the most recent)
- IF no other candle has a higher price than the high of the current candle, then mark the high of current candle's high as the upper limit of the curve.

SHORT TRADE (prices making All-time lows):

IF HIGHER Time Frame is	Max. Look back period for opposing zone (excluding current candle). GUI field (gui 12): HTF OPP ZONE RANGE	Note
Monthly	12 candles	How far back to check is valid only for Opposing
Weekly	52 candles	

Daily	183 candles	zones. The trading zone will be equal to HTF range GUI 5.
Intraday (1hr, 1min, 5 min, 1min)	160 candles	
Possible results when, comparing Low of Current candle.		
<div>1. Exception 1: No candle with lower price found within max. look back period (gui 12) Output: Current candle low is valid lower limit of the curve.</div>		
<div>2. Exception 2: Other candles have reached lower price, within the look back period but NO valid opposing Li-B-LO demand zone. Output: The low of the most recent candle (after current) is the valid lower price level of curve.</div>		

If LOWER Time Frame is:	Max. Look back Period for opposing zone only (excluding current candle). (gui 12) LTF OPP ZONE RANGE	Note
Daily	183 candles	How far back to check is valid only for Opposing zones. The trading zone will be equal to HTF range GUI 5.
Hourly	160 candles	
15 Mins	160 candles	
5 Mins / 1 Min	160 candles	
Possible results when comparing Low of Current candle.		
3. Exception 1: No candle with lower price found within max. look back period (gui 12) Output: Current candle low is lower limit for Risk-to-Reward Calculation		
4. Exception 2: Other candles have reached lower price than the current candle, within the look back period, but NO valid demand zone. Output: The low of the most recent candle (after current one) is the valid lower price level for RR calculation		

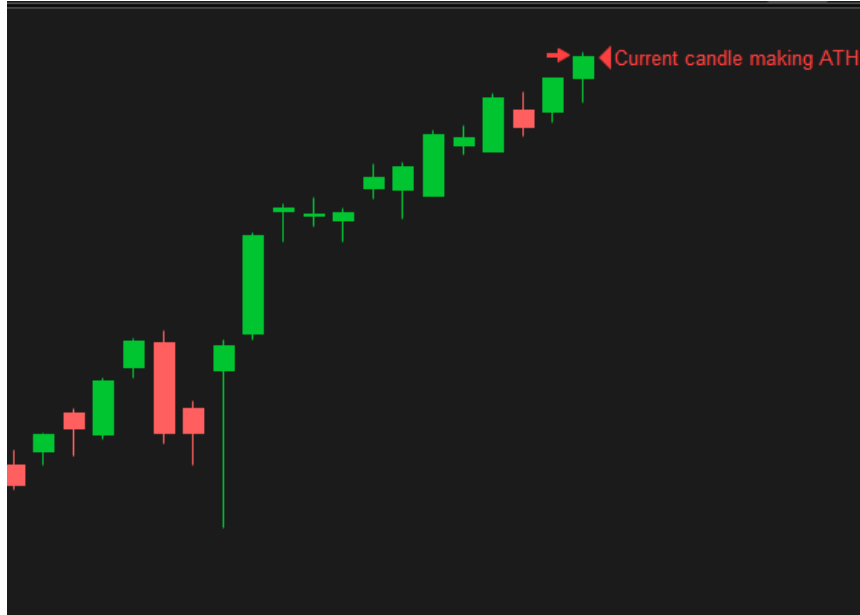
Description of the table above For Short Trade scans, after a valid Supply Zone is found:

To mark the opposing Demand Zone, compare the lowest price of the most current candle/today's candle with the lowest price of all the candles as far back as Max. look back period (as per above table).

- IF any candle has a low, lower than current candle's low, check if there is valid demand zone LI-B-LO, DZ setup, if yes, take the most recent setup, mark the highest body of the base as the lower limit of the curve. This is normal scenario as outlined in the main document.
- IF Li-B-LO setup is not found but there are other candles that had made lower lows compared to the current candle, mark the low, on the MOST RECENT CANDLE that has the low price lower than the current candle, as the lower limit of the curve. (this is important, it must be the most recent)
- IF no other candle has a lower price than the low of the current candle, then mark the current candle's low as the lower limit of the curve.

Examples of each scenario (LONG trades):

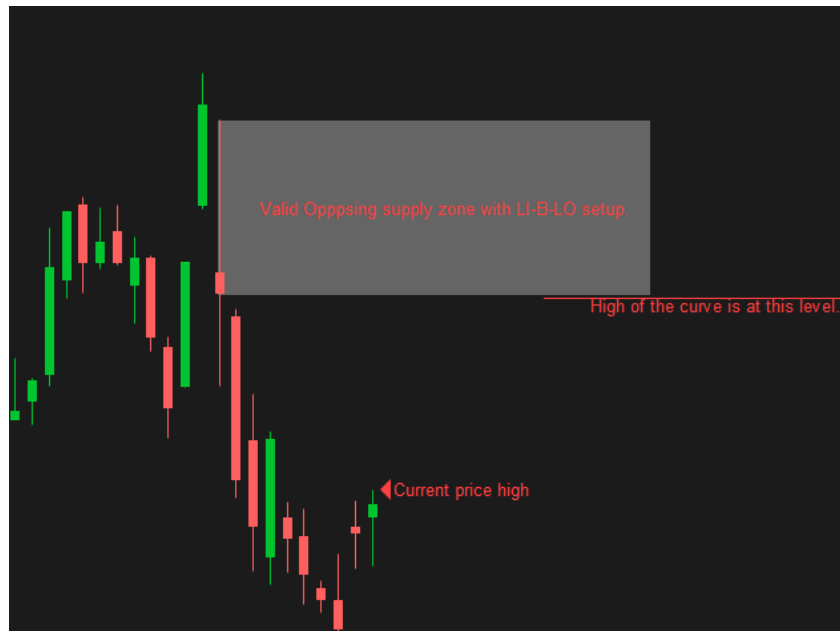
A. Most recent candle making All time high. No Other candle has a high and thus the current candle's high is the upper end of the curve.



B. Past candle making highs without a valid zone setup. (Most recent candle that made higher price, is valid)

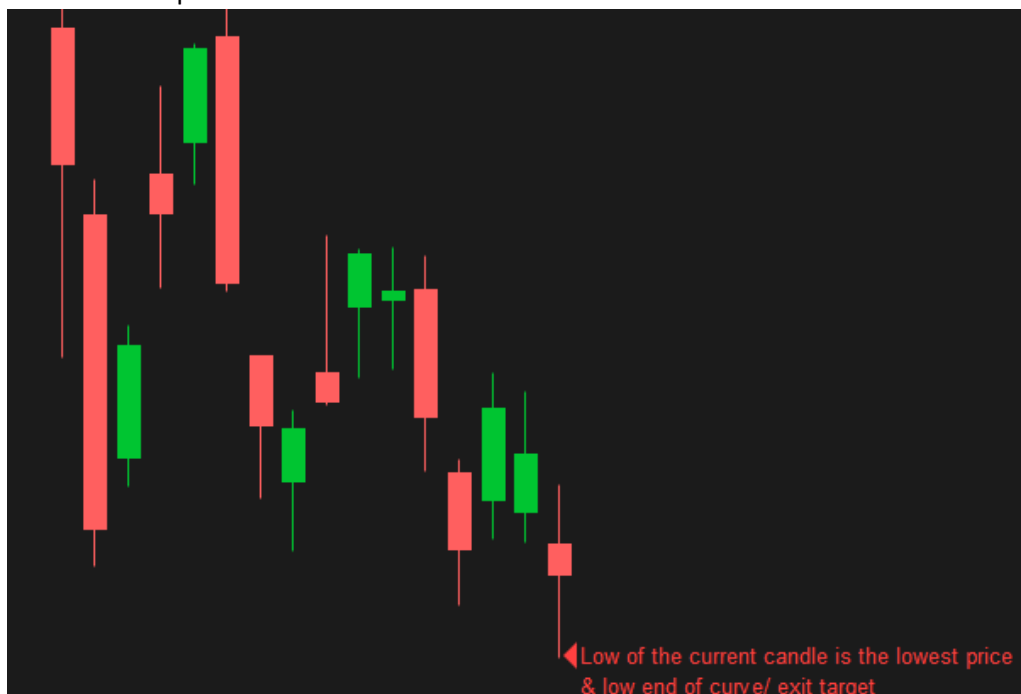


- C. Past candles making highs WITH a valid zone setup (Normal set up). Where ATH/ATL is not used since prices are somewhere in the middle with valid zones on both sides of the current price.



Examples of each scenario (SHORT trades):

- A. Most recent candle making All time low. No other candle, within the max. look back period has made a lower price and thus the current candle's low is the lower end of the curve.



- B. Past candle making lows without a valid zone setup. (Most recent candle that made higher price, is valid)



- C. Past candles making highs WITH a valid zone setup (Normal scenario). Where ATH/ATL is not used since prices are somewhere in the middle with valid zones on both sides of the current price.



