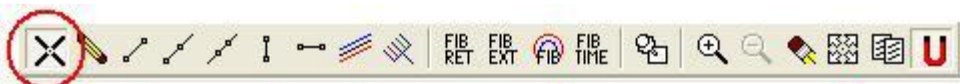


Entering Trading Hours

When you load WaveTrader for the first time or when you load a new SYMBOL you will be prompted to enter the session start and end times. Start and end times are based on a 24 hour clock. The start and end times will also be based on your resident computer clock (as you see the times displayed on your eSignal charts). I keep my computer clock set to USA ET for ease of management and then I don't have to concern myself with changes to daylight saving time.

To enter the time left click on the numeric key pad until the correct value is displayed in the time box and then click on OK - if you enter incorrectly use the CI (clear) button and start again.

If you enter your session times and the menu moves onto the next one in line and you have made a mistake you should complete the sequence of questions and then go back and edit entries completed incorrectly afterwards by using the HIDE button and then the HOURS selection and this will take you back to the settings menus.



To click commands to the XABCD tables set your mouse function.

WaveTrader needs the correct times to make the end of day GANN SWINGS, the OPENING and CLOSING price displays calculate correctly.

WaveTrader 2004

Start & End of session times. 24 hour clocktimes, required for setting intraday data to the Gann swing charts routine.

You will be prompted to enter the correct information when you load a new TICKER

Please Enter the Session START Time for ES #F=2 (00:00-24:00)

Please Enter the Session END Time for ES #F=2 (00:00-24:00)

09:30		
7	8	9
4	5	6
1	2	3
0	CI	
OK		

ES #F Globex 24 hour
has a start time of 16:30pm
Ending time of 16:15 ET

16:15		
7	8	9
4	5	6
1	2	3
0	CI	
OK		

For instance the session start is 9:30 ET for the day session in ES but if you have your data on a different time clock, for instance Chicago, the start time will be 8:30 CST. If you live where I do the start time would be 23:30pm Australian Eastern Standard Time. In other countries outside the USA there maybe a need to edit these times in periods effected by Day Light savings.

TWS	TWM	TWF	Test New D=?
Retrace ON		Move XABCD	
Alt-OFF	Rx-ON	Time/Price	
SW OFF	T-ON	3.00	
Hide	Gann	<<	>>

Hide All	HELP	T.Size	Hours
TWS	TWM	TWF	XABCD-OFF
Alt-OFF	Rx-ON	Retrace ON	
SW OFF		3.00	
Tables	Gann	<<	>>

To edit session times select HIDE from the main menu and then MARKET HOURS - settings are saved to a TICKER file for future use. **Note # See Ticker Instructions for additional information**

Start times for your system may vary depending on the time zone you live in. The start and end of session times are the same times that eSignal displays on your charts.

If you live on the East Coast of America you will be on ET where the NYSE begins trading at 09:30am and closes at 16:00pm. The market hours ET for the S&P futures will be 09:30 to 16:15, the market hours for the Globex ES #F will be start 16:30pm to end of day session 16:15pm or you can just set the start time to 00:00 and end time to 24:00

If you are on a different time zone to USA - ET you will need to adjust your start and end times accordingly.

If you live in the southern hemisphere you may have to adjust these times when you switch to or from daylight saving time.

Each market has its own individual start and end times according to the time settings you are using in your computer time clock. It is most important you have the correct start and end times entered for each of your Ticker Symbols as the Gann Swing routines require this information to determine the number of days elapsed when working with intra-day data.

Whenever you load a new TICKER you will be prompted for the START and END TIMES. Once they are on file they will be saved and you won't need to enter them again. In the event of perhaps daylight saving time changes you will need to edit them. The instructions to do this are below but if you key the HIDE button they will be available to you.

Ticker Instructions

Each TICKER or SYMBOL if you prefer has its own unique values that it trades in - this is the TICK size.

It is important to set your TICK size to some value that allows you to select lower value swings as the MINIMUM SWING you can select is 4 times the entered TICK VALUE. ES set to 0.25 TICK VALUE allows you to overlay a minimum of 1 point swings on your chart. A TICK VALUE of 0.01 would allow you to select a minimum of 0.04 TICKS. If you wish to manipulate the swing value you can do it by changing the TICK VALUE but in doing so you will also amplify or reduce the accuracy filter allowed between ratios on the XABCD TABLES. As a rule of thumb I wouldn't set the TICK VALUE much under 1/40th of the average daily range.

The accuracy filter settings for highlighting ratios when they occur work on a per TICK value. For instance if a range being measured is:-

<= 50 TICKS the leeway allowed will be 1 TICK, >50 to <=200 2 TICKS, 200-800 3 TICKS, 800-3200 4 TICKS, >3200 5 TICKS. This means ratios will be highlighted when the current D level comes within +/- Ticks of the targeted ratio.

50 TICKS on the ES is $50 \times 0.25 = 12.5$ points and we have tuned the accuracy filters to the ES S&P 500 so you may find on some other futures contracts a need to experiment with the TICK size, for instance the DJIA is quoted in 10,000.99 but as you can imagine 0.01 would be a ridiculous TICK SIZE for it, more like 1 or 2 would be better suited to it. Same goes for the SPX where it is quoted as 1100.99 and the SP which is quoted as 1100.9 - both of these I would set to 0.25 the same as we are using for the ES.

TICK SIZES I recommend

ES 0.25
SP 0.25
SPX 0.25
OEX 0.10
Dow 2.00

If you still don't understand it is all about the ratios you wish to filter on the XABCD tables the WAVETRADER produces.

A move up on the ES of 10 points equals (10x4 or 40 ticks).

a 50% retracement is 5 points (5x4 or 20 ticks).

If you want a 50% retracement to highlight only when it is close like within 1 or 2 ticks follow my settings advice. As the ranges enlarge the WT will allow comparative increases so that a highlight will occur on a larger range when it is appropriate. Each RATIO highlight is also accompanied with an actual target price to tell you if you are right on it or only on the verge.

Refresh Data

It is important with any online system to refresh your data display every so often to avoid collecting and working with data that may be incorrect.



Bar Replay

Bar replay mode - eSignal

The X-ABCD tables make calculations in real time using live tick data.

In the eSignal replay mode information is received differently. To replay past data to view unfolding WT results the best approach is to move forward 2 bars and back 1. This will simulate real time results.

The reason for this is obvious when you run the Bar Replay and see the unfolding results.

All of the WT routines have been designed for real time data input, most will emulate in BAR REPLAY mode but some of the alert features for REAL TIME will not repeat in BAR REPLAY MODE.

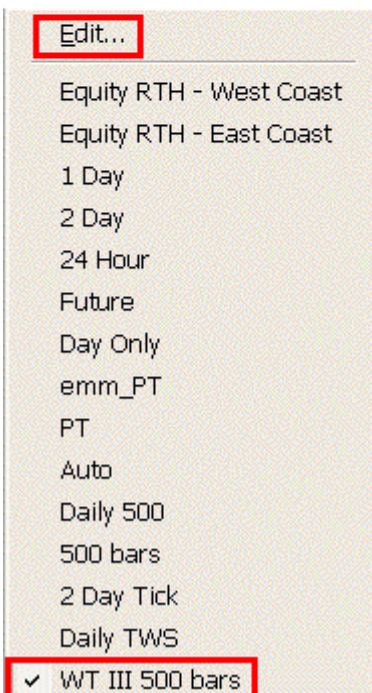
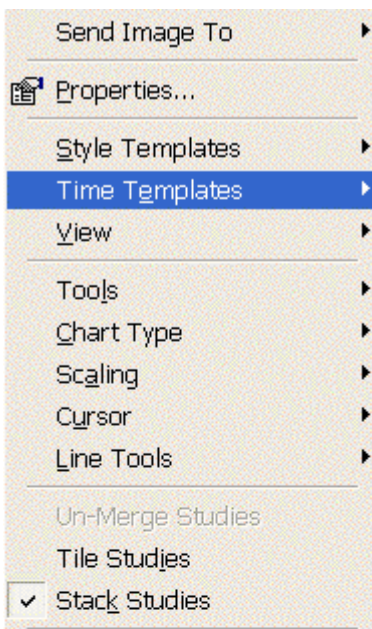
Time Template Configuration

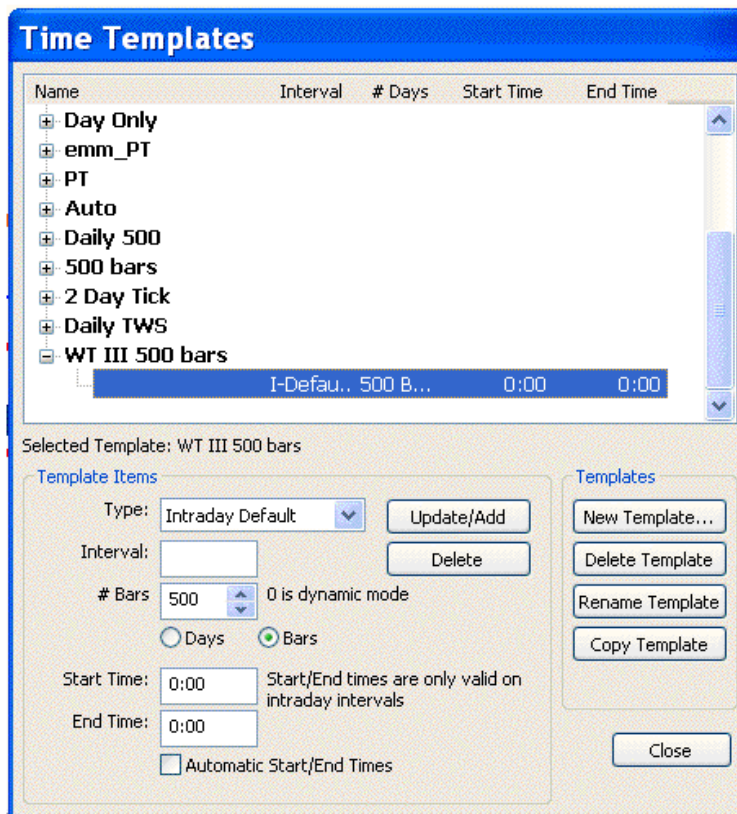
WT III requires the following eSignal TIME TEMPLATE to gather the correct data for some GANN Routines and the TREND WAVE Indicator - TWS, TWM and TWF cannot work correctly without it.

WT-ES ASSISTANT MkIII - This TIME TEMPLATE is essential if you are to access the ES GLOBEX reports when the day session only is displayed above your WT-ES ASSISTANT.

Follow these instructions to create a 500 bar TIME TEMPLATE:

Now on the chart right click and select "Time Templates" and select the name that you saved it as (WT III 500 bars) and save the PAGE.





PROCEDURE TO SET UP A 500 bar TIME TEMPLATE.

That automatically loads 500 bars of the data into memory for each chart display time frame you load in eSignal.

1. Load a chart in a daily time format:
2. Right click on the chart:
3. Select "Time Templates":
4. Select "EDIT":
5. Select "New Template":
6. Give it a name mine is (WT III 500 bars)
7. "Type" should be "Intraday Default"
8. "Interval" must be blank
9. Select bars from the radio button and enter 500 in #Bars:
10. Un tick Automatic Start/End.
11. Click "Update/add" and then "Close"

Now for this chart and any other you are running WT III in make sure this TIME TEMPLATE is selected

After this each time you load an intraday chart in this PAGE layout it will load 500 data records into memory. If you have other pages set up you can apply the same time template and you will know if it is loaded by checking the TICKER HEADER at the top of your chart.

eSignal Page - WT ES - [ES H8=2,5 - AdvCh]

ES H8=2 - E-MINI S&P 500.5 **500 Bars,0:00-0:00** O: 141525 H: 142350 L: 140025 C: 140775 Net: -1325

To install the TIME TEMPLATE:

Check this box

After install - Choose Page and then Save

WaveTrader ES Assistant MkII

Settings	5	10	15	5	10	15	5	10	15	5	10	15	Global
19:53	OEX	DJIA	SPX	ES	COMBO	ES	DWS	60	15	10	5	3	1
HIGH	665.38	12851.14	1419.91	1423.75	Prem:	OEX							
LOW	653.05	12543.87	1394.83	1400.25	11.98	DJ							
LAST	656.03	12606.30	1401.02	1413.00		SPX							
Pts %	-9.61	-246.79	-19.31	5.25	1	OEX PFT	64%						

WaveTrader Cash Indices | Stochastic(10,2,4) | Bid, Ask and Trade Size | OBV | WaveTrader ES Assistant MkII

Sun Jan 13 19:53:44 2008

WaveTrader 3 Menu

The WaveTrader III software for eSignal contains some very powerful tools to track the inner workings of any market.

The WT routines can be utilized in any time frame you can load in your eSignal platform. All routines are implemented with a mouse click in the designated boxes or buttons. Mostly using left clicks but in many cases both left and right clicks do different things. This is the most sophisticated piece of software you are ever likely to come across in the futures or stock trading arena.

WaveTrader Menu system - selections are made by mouse - left click - right click - double click

WaveTrader III (Main Menu)

XABCD Ratios		Next Target	
BcD:	1.353	1.618: 1418.62	
Alt:	2.000	1419.50	
Rx:	1.000	1420.00	
Dx:	1.000	1419.75	
XcD:	1.278	1.618: 1418.22	
XaD:			
Alt 2:			
A	B	D=A	1424.25
C	X	D=B	1421.25
ALL		D=X	1421.00
TWS	TWM	TWF	FTP BPL
38	50	62	Test New D=?
1:1	Retr.	ON	Move XABCD
Alt-ON	Rx-ON		Time/Price
SW OFF	T-ON		3.00
Hide	Gann	<<	>>

WaveTrader III (Gann Menu)

Events	DAILY RANGES	
Swings	12/22/06:	10.25
Bars	12/21/06:	11.25
Days	12/20/06:	6.50 Min.
G-H	12/19/06:	14.00
G-L	12/18/06:	11.75
OPEN	12/15/06:	6.75
OBP-ON	12/14/06:	14.25 Max.
Christmas	12/13/06:	7.25
	12/12/06:	10.00
	12/11/06:	7.75
Average Range: 9.97		
SWINGS	Rev. @	BP
3 Day is Dn	1440.50	1430.25
2 Day is Dn	1438.00	1429.00
GS-ON	L-ON	3 Bars
Hide	BACK	<< >>

Time & Price Tables

Magnet	AB	CD	CD/AB
Price	52.50	-24.50	0.467
%	3.77	-1.70	0.450
TD's	13	5	0.382
Vib	4.04	-4.90	1.213
Days	17	7	0.412
VDay	3.09	-3.50	1.133
Deg	17.25	7.12	0.382
VDeg	3.04	-3.44	1.130
Sqr9	CD	-24.50	58
Cycles Abc'D' < >			
A	<	>	A>>B>>C>>D
B	<	>	EXIT
C	<	>	17.75
D	<	>	<< >>

Settings Menu

Hide All	HELP	T.Size	Hours
38	50	62	FTP BPL
TWS	TWM	TWF	XABCD-OFF
1:1	Retr.	ON	Alt-ON Rx-ON
SW OFF			3.00
Tables	Gann	<<	>>

T-ON Menu

<input type="checkbox"/> AUTO	<input type="checkbox"/> Alt	<input type="checkbox"/> Rx		
<input type="checkbox"/> XC	<input type="checkbox"/> BC	<input type="checkbox"/> CD		
<input type="checkbox"/> XA	<input type="checkbox"/> AD	<input type="checkbox"/> AB		
0.000	0.500	1.000	1.272	1.618
0.382	0.618	0.786	1.414	1.732
0.447	0.577	0.707	1.902	2.000
0.333	0.667	LESS	2.236	2.618
SW OFF	T-OFF	3.00	3.000	4.000
Hide	Gann	<<	>>	

Reports Menu's

PIVOT POINTS		SWING
?D =	1419.75	-5.75
C =	1425.50	4.25
B =	1421.25	-3.00
A =	1424.25	3.25
X =	1421.00	-7.25
Alternate 1:1 = 1422.50		

Selections are made by clicking on the associated menu buttons (boxes)

X-ABCD Values

X-ABCD Tables - tabulates the geometric ratios present in various configurations.

XABCD TABLES

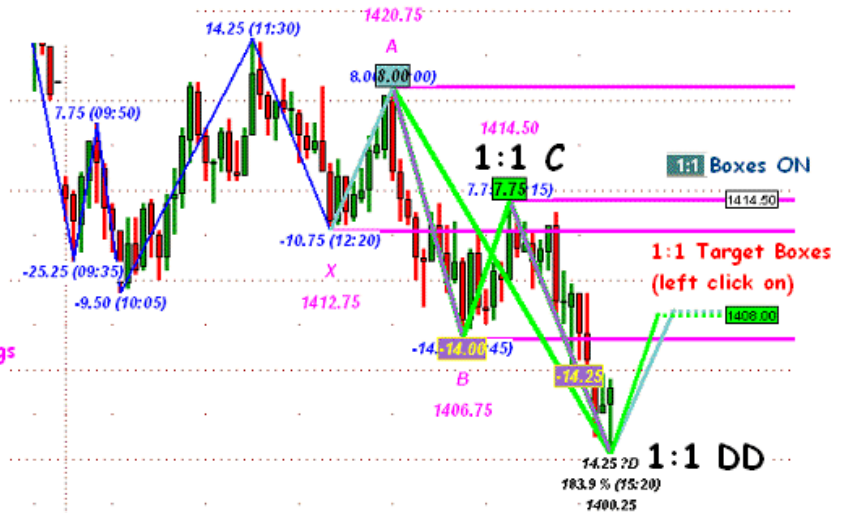
XABCD Ratios		Next Target
BcD:	1.839	2.000: 1399.00
Alt :	1.000	1400.50
Rx :	2.618	1400.46
Dx :	11.714	
XcD:		
XaD:	2.563	2.618: 1399.81
Alt 2:	1.326	1.618: 1397.11
A B	D=A	1420.75
C X	D=B	1406.75
ALL	D=X	1412.75
TWS	TWM	TWF
38	50	62
Test New D=?		
1:1	Retr. ON	Move XABCD
Alt-ON	Rx-ON	Time/Price
SW OFF	T-ON	7.75
Hide	Gann	<< >>

Auto highlight the swings in play

Click on target box to visualize target

Back test previous swings

Minimum SWING size Setting



The A B C X boxes will draw a fusia line horizontally from that pivot label.



This new feature when ON registers the time of the swing.

These tables will highlight any existing geometry between the SWINGS drawn on your chart, based on the swing value being used.

The new WT III also allows you to draw in the target boxes geometry to preview where it might lie.

1:1 Routine

1:1 routine - When ON (left click turns BLUE) it will automatically display all 1:1 levels coming into range.

1:1 Corrections and 1:1 Double Drives



38	50	62	Test New D=?
1:1	Retr. ON	Move XABCD	
Alt-ON	Rx-ON	Time/Price	
SW OFF	T-ON	3.00	
Hide	Gann	<< >>	

1:1 BUTTON

- 1:1 Left Click to switch on/off
- 1:1 Right Click to bring up control menu

1:1's are Alternate Wave Targets

They can come in the form of equal corrections or equal forward drives known as Double Drives

Control Menu

	+27.75	1445.25
	+26.75	1444.25
	+10.25	1438.25
	+10.75	1433.00
LAST:	1428.25	TARGET
	-6.00 / -6.00	1426.50
	-20.25	1412.25
Do not Show Current 1:1's		
Multiple Hits	Hide Targets	
UP	DN	3.00
BACK	<<	>>

Settings control the size of swings to filter for the 1:1 calculations.



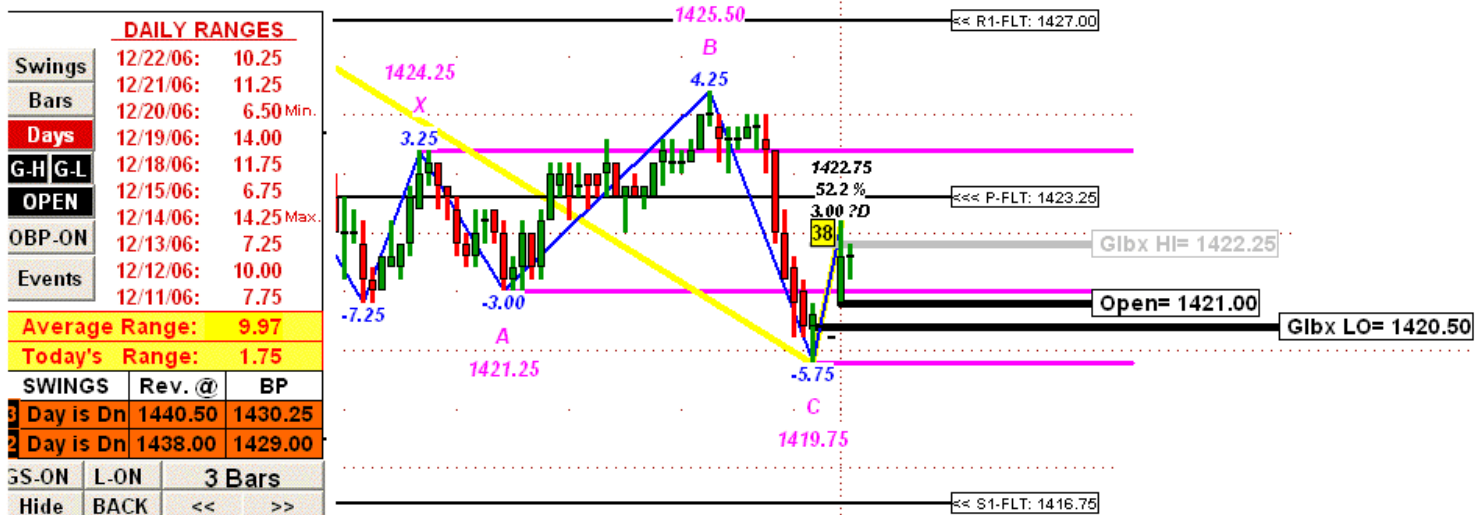
XABCD Ratios		Next Target
BcD:	0.757	0.786: 1416.72
Alt :	1.000	1417.25

the pre day session activity. Nevertheless they generally act as a market trend indicator. Basically the P-FLT is fair value and S1, S2 are viewed as support levels whereas R1 and R2 are viewed as resistance. Mostly the days trading range will be confined between the S1 and R1 but should they break it is evidence the market could move much lower or higher as the day unfolds.

GLOBEX High/Low & Opening Price

The PRINT LINES for OPEN and ES Globex HIGH and LOW and GAPS.

OPEN - ES Globex HIGH - Globex LOW print



Check the G-H, G-L & OPEN buttons

The lines for the Globex High and low will only be displayed for the ES when you are running an ES day chart. The OPEN print will be displayed for any price series.

The lines will only be drawn during day session trading hours and your WT III must be reloaded each day to refresh the data in the eSignal data manager.

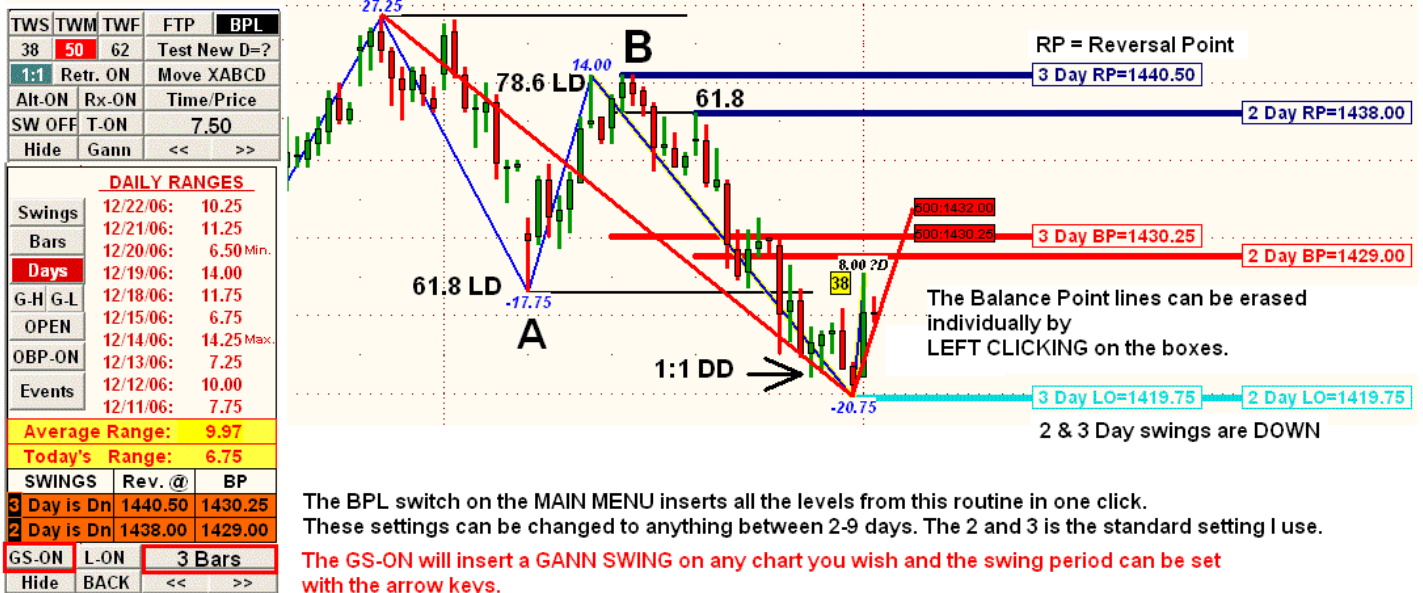
GAPS - If there is a GAP opening on any trading day it will be displayed as a similar line on your chart. The GAP line works in conjunction with the OPEN button ON.



Lines can be erased by left clicking on them.

Balance Point Levels

BPL - Balance Point Levels



The BPL switch on the MAIN MENU inserts all the levels from this routine in one click. These settings can be changed to anything between 2-9 days. The 2 and 3 is the standard setting I use.

The GS-ON will insert a GANN SWING on any chart you wish and the swing period can be set with the arrow keys.

Time & Price

TIME & PRICE MENUS - this button off the main menu takes you to a submenu where you can compare swings for instances of geometric relationships in Time & Price. Swings are compared using a CD/AB algorithm - these AB & CD markers are independent of the ones in your XABCD tables. Although when you activate the routine it will default to the last two alternate swings on your chart. The lower table allows you to move your markers to any swing point with the magnet on or if you want to select a chart bar high or low switch the magnet off with a mouse click and select which marker to relocate A, B, C or D and then left click on the high or low you want to interrogate. There are a number of ways you can move the markers around, if you follow the key pad arrows you will see what it can do.

Magnet	AB	CD	CD/AB
Double click on chart to mark A			
Cycles Abc'D'	<	>	
A	<	>	A>>B>>C>>D
B	<	>	EXIT
C	<	>	29.50
D	<	>	<< >>

To fix an A B C or D marker to a non swing high or low CHECK the Magnet button off and select the A, B, C or D button. Then click on the chart bar High or Low where you want the marker.

There is a far more extensive description of this routine on the TIME & PRICE link.

Magnet	AB	CD	CD/AB
Price	34.50	-22.50	0.667
%	2.76	-1.75	0.635
Bars	68	58	0.853
Vib	0.51	-0.39	0.765
Sqr9	CD	-22.50	57

These calculations will be made on a bar chart less than a daily period.

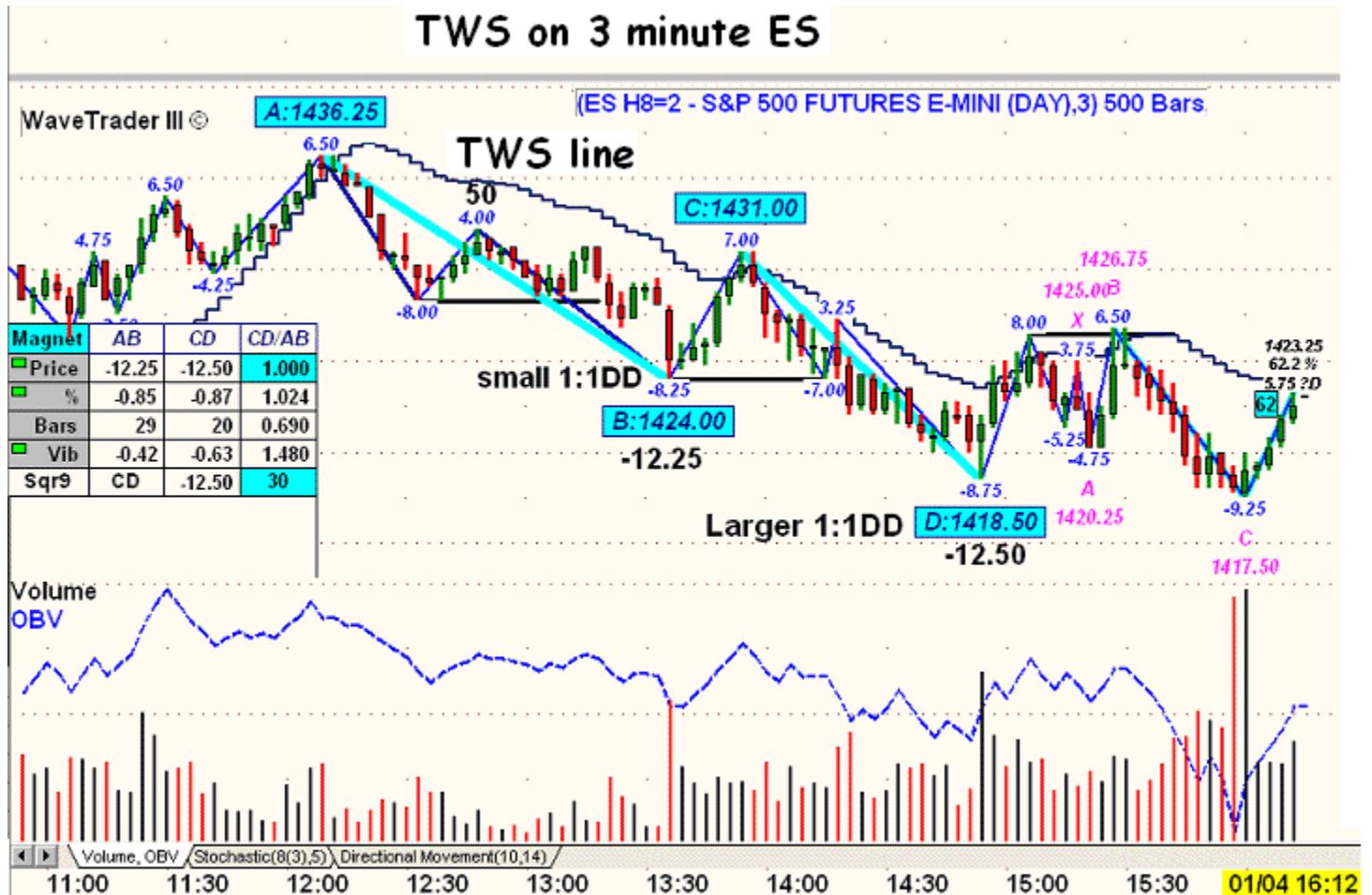
Cycles Abc'D'			<	>
A	<	>	A>>B>>C>>D	
B	<	>	EXIT	
C	<	>	10.00	
D	<	>	<<	>>

Trend Waves

WAVE TRADER TREND WAVES - TWS (Slow), TWM (Medium), TWF (Fast).

TWS TWM TWF Left click ON / Left click OFF - color coded

This indicator measures the price action in terms of MOMENTUM - VELOCITY and ACCELERATION. The TW overlays a line on your chart and indicates the direction you should be focusing your future trades in. The line will be going UP or DOWN in a strong fashion or it will be diverging with the price action at times. After a strong directional move the indicator can diverge with price so I use the OBV to filter the signals. Usually in the middle stages of a swing series the TWS will hold direction throughout any corrections.



TEST NEW D LEVEL

This routine is probably more useful on larger time frame charts when you want to investigate a level that you think the market may go to in the future.

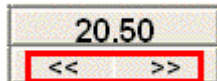
You can use the routine to replicate what the XABCD tables will reflect at the level you have in mind.



Swing Levels

Changing SWINGS up or down in automatic selection of higher or lower swing degree.

SMART KEYS



Right Click

You can run as many charts as you like in differing time frames and deal with them the same way.

Start with the dailies and work down through 60 minute, 15 minute and into the 5 minute swings.

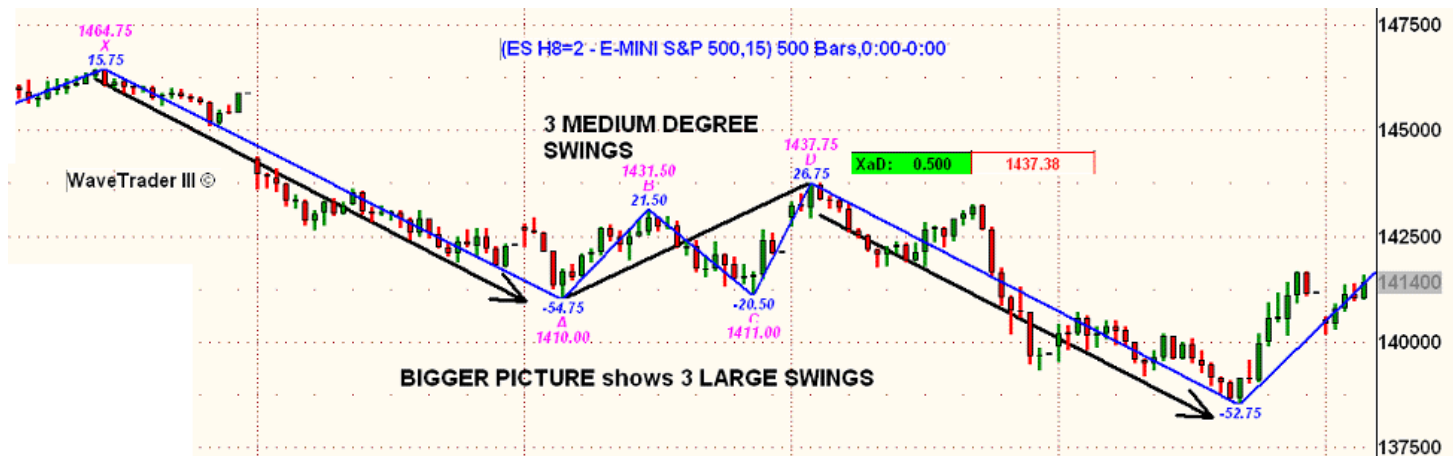
You will find the same approach works all the way through.

The swing recording routine in WAVETRADER III is the nuts and bolts of the whole geometric approach to market support and resistance.

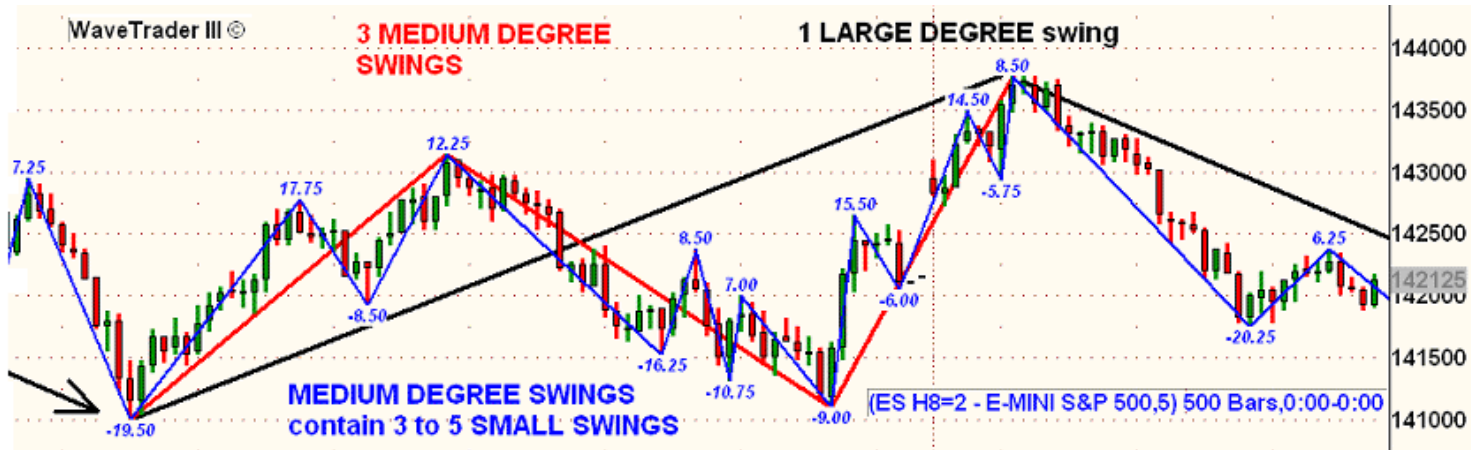
Market swing degree can be defined on a scale of Smaller to Larger swings. Geometric relationships will be seen to form in all swing degree levels. When you have important combinations forming in two separate swing degrees at the same level a reversal of some description will be most likely. If a reversal does not eventuate all it does is signal a continuation. If you are aware of the important set ups we teach then you are sitting in the drivers seat.

1. SMALLER swing degree movements
2. SMALL swing degree movements
3. MEDIUM swing degree movements
4. LARGE swing degree movements
5. LARGER swing degree movements

If you use ELLIOTT WAVE as a guide then each higher degree swing movement will contain 3 to 5 swings of lesser degree. For instance a LARGE DEGREE SWING will most likely contain 3 or 5 MEDIUM degree swings.



You can see the scales I am talking about if you set up eSignal pages to track the market on several different time frames.



For day trading purposes you need to track time frames between 3-5 minutes and up to 60 minutes. The real point is that most intraday trading opportunities will come from the Small and Medium degree swing changes and on an ongoing basis the LARGE or LARGER degree geometry will come into play.

You need to track the progress of the market in all SWING DEGREE to know when the higher degree is in a position to over ride the lesser degree swing geometry.

The WT Mk III and the WT-ES ASSISTANT Mk III has some proprietary routines to track the unfolding geometry even when it is not visible to you on a smaller time frame chart.



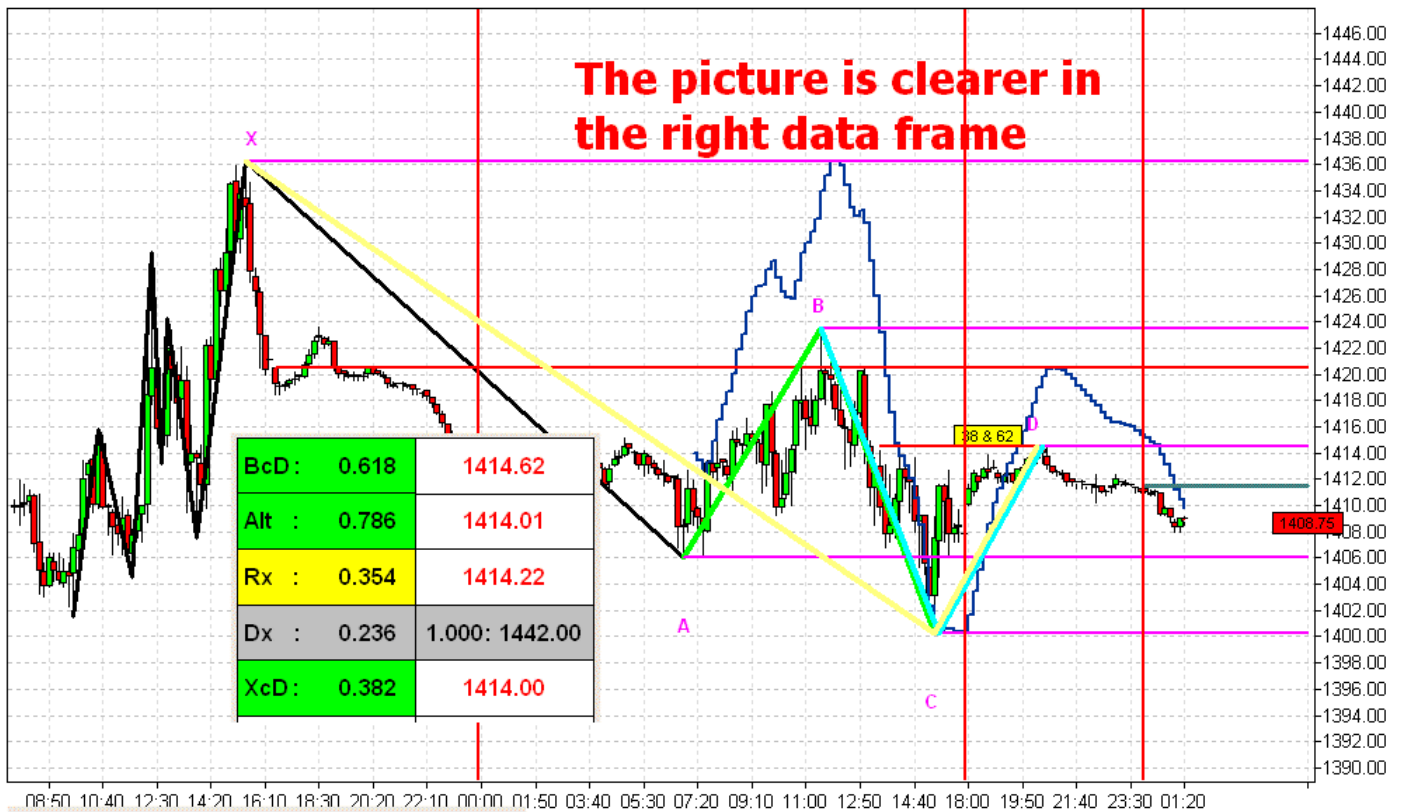
Here is an example of a 3 way swing degree level.



Then of course the picture can be clearer in the right time frame.

239 Bars (~4 Days)

ES #F - 10 min.



If you want to know why it is the way it is.

The main reason for the WT-ES Assistant is to give you a very instant way to confirm any geometric signals you encounter that may relate to the higher degree swing geometry.

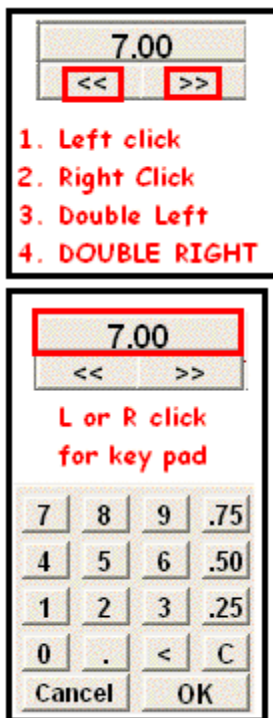
I think this example should give you reason to think that our software is the best in the business.

Any levels you test outside of normal range parameters are basically of no value to you and could lead you to a forecast that never eventuates.

The way to use this routine effectively is to wait until the market is close to a significant target level such as a 1:1 DD, a 38.2, 50 or 61.8 of higher swing degree and then input the level via the TEST NEW "D" and see if there is other significant geometry emerging at that level. It can help immensely in your preparation for logical MOB's before the trading day begins.

X-ABCD Tables

SWING SIZE SETTING OPTIONS



SMART KEYS

RIGHT CLICK & DOUBLE RIGHT CLICK on << or >> option automatically adjusts SWINGS up or down in relative swing degree. This is the fastest way to review to your X-ABCD tables in swings of smaller degree through to swings of larger degree.

Double Left click << will Halve existing swing size or >> will double existing swing size.

Single Left Click << will decrease swing size 1 ick or >> increase 1 tick.

You also have the option to select swings sizes via the manual entry numeric key pad.

The WaveTrader X-ABCD system

IN REAL TIME AUTOMATICALLY tracks all the possible combinations of wave geometry in Elliott Wave terms. Retracements, Larger degree retracements, Alternate Waves, Reverse Cross, Double Cross and W5 ratios. Important ratios are highlighted as they come within 2 ticks or the next applicable geometric target will be listed. Previous swing pivots are also monitored for natural support and resistance. You can click on the Next Target boxes to see a visual on your eSignal chart.

Highlight swings button

XABCD Ratios	Next Target
BcD: 1.839	2.000: 1399.00
Alt : 1.000	1400.50
Rx : 2.618	1400.46
Dx : 11.714	
XcD:	
XaD: 2.563	2.618: 1399.81
Alt 2: 1.326	1.618: 1397.11
A B D=A	1420.75
C X D=B	1406.75
ALL D=X	1412.75



At times the RATIO STRUCTURE of these combinations will ALERT you to important levels that traders using ELLIOTT WAVE will recognize as REVERSAL LEVELS in the unfolding patterns. The XABCD combinations that WT III highlights are dependent on the SWING degree for which you are monitoring. Small swing combinations will alert you to the MEDIUM degree, Medium degree swing combinations will alert you to the LARGE degree when it is important.

These are the configurations WaveTrader III monitors:

- Retrace 1 - BcD
- Alternate Wave - cD to aB
- Reverse Cross - aD to bC
- Double Cross - bD to xC
- Retrace 2 - cD to xA or cD to xC
- Alt 2 - X to cD in expansions

The wave configurations for the XABCD are fully explained in the PRICE ACTION MANUAL. Some are more important than others if they come together a certain way.

INTRA-DAY CHARTS

Each and every day the market stops and starts as it hits technical support and resistance in the smaller, small, medium, large and larger degree: you have to realize that there are so many operators using ratio and geometry to place buy and sell orders. To ignore the opportunity to compete with them is a huge mistake.

We have explained in the PRICE ACTION MANUAL over 30 reliable XABCD ratio events that the market seems to respect in terms of people acting on them. Nevertheless there are probably only between 5 and 10 that repeat over and over that you need to recognize and act upon should other indicators assume they are favorable.

You should always remember that the XABCD pivots on perfect geometry are POSSIBILITIES for a reversal, yet unless they are re-entry geometry they should not be taken as gospel until you have some confirmation they are working. Often the market will react on them and then when the side taking the chance of a reversal is exhausted the market will move on and break those levels. Knowing all of this they still create trading opportunities that lead to future trading opportunities.

This is why it is important to monitor swings as they unfold in relative degree. When the MEDIUM, LARGE or LARGER XABCD's hit on the HIGH PRORITY geometry the market will turn 80% of the time and move significantly in the new direction for a good distance and a profitable trade.

1:1 Routine

1:1 Button

TWS	TWM	TWF	HrMn	FTP	BPL
38	50	62	Test New D-?		
1:1	Retr. ON		Move XABCD		
Alt-ON	Rx-ON	Time/Price			
SW OFF	T-ON	6.75			
Hide	Gann	<<	>>		

ON/OFF - Left Click Button

View Tables - Right Click

	+51.25	1451.50
	+20.25	1432.25
	+19.50	1430.50
	+11.25	1429.25
	+6.50	1426.75
LAST:	1420.25	TARGET
	-5.25	1419.25
	-8.75 / -8.50	1416.00
	-36.00	1388.50
	-52.75	1383.50
Do not Show Current 1:1's		
Multiple Hits		Hide Targets
UP	DN	3.00
BACK	<<	>>

Draw in 1:1 - Left Click Target Box

Remove 1:1 - Right Click Target

Automatically Display 1:1 Combination Targets:

The 1:1 alternate wave combination is one of the most powerful geometric tools in Elliott Wave for determining support and resistance that will potentially signal a market reversal PIVOT POINT.

There are 2 types of 1:1 combinations:

- [1] The 1:1 consecutive correction combination.
- [2] The 1:1 double drive combination.

The WT III automatically monitors the price data for combinations of these conditions. 1:1's can form in smaller swings as well as larger degree combinations of swings. Keeping track of the potential possibilities is a lot of work and many can go unrecognized without the WT III software doing the work for you.



Targets can be viewed in advance:

Left click on 1:1 target boxes to DRAW specific calculation and aspects on your chart:

Right click on 1:1 boxes to UNDRAW:

Or they will be automatically displayed on your chart as they come within the tolerance applicable to their price amplitude.



The tolerance filter can be set from the tables menu.

EVERYTHING YOU NEED TO KNOW ABOUT 1:1 THEORY is explained in full detail in the PRICE ACTION MANUAL.

If you think my examples are random events I can assure you they are not. This type of market behavior in the ES and

other future markets continues to repeat, not exactly in the same way but the GEOMETRY between waves of similar degree repeat and extrapolate into larger degree GEOMETRY in the same fashion.

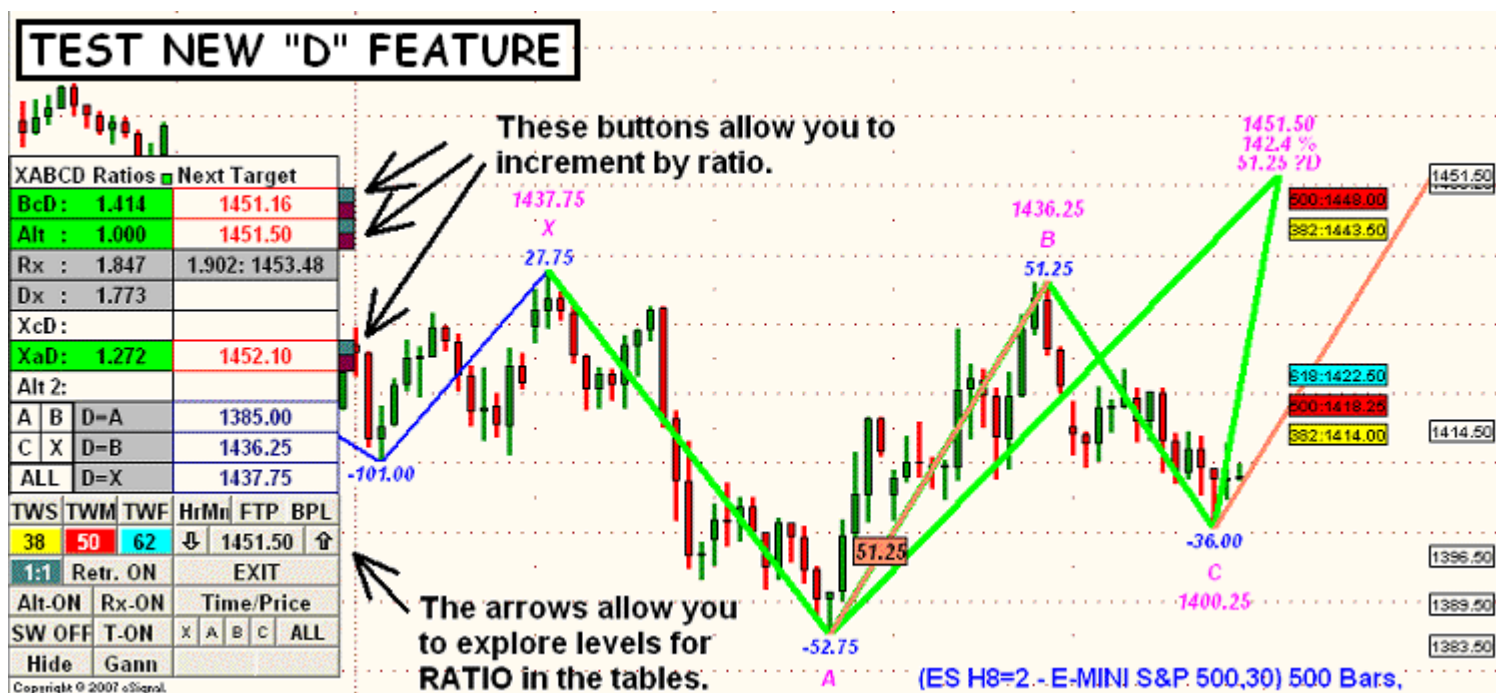
Test New D

Explore the GEOMETRY possible at future levels.

This routine will help you check any possible combinations when the market is making a move towards a 38.2, 50, 61.8 or possible double top or bottom possibility.

TWS	TWM	TWF	Test New D=?	
Retrace	ON	Move	XABCD	
Alt-ON	Rx-ON	Time/Price		
SW OFF	T-ON	31.00		
Hide	Gann	<<	>>	

Look ahead and examine the potential geometric obstacles that will influence other technical traders using Elliott Wave analysis.



USING THE ROUTINE:

1. Select Test New D?
2. Arrows will appear around the existing price of D in the table display.
3. Left click on the arrows for up or down and the price will move 1 TICK.
4. Right click on the arrows and the price will move to a value the WaveTrader determines will match the next important geometric level.
5. The small boxes that appear next to the BcD, Alt and XaD or XcD targets allow you to increment those ratios to a next target possibility and it will readjust all the tables to that new price.
5. Geometric relationships will be displayed in the XABCD tables for the "What if D=" value.
6. If you have the swings set so that the current swing has not turned in the new direction you want to investigate use the MOVE XABCD and ALL >> first to start it off and then select the "Test New D".

The latest Test New D=? has the advantage to manipulate some of the table ratios such as BcD, Alt, XcD or XaD to configurations that would normally be important.



Move X-ABCD

See what is ahead.

Backtest prior swing levels.

Explore the past geometric combinations.

MOVE XABCD

TWS	TWM	TWF	HrMn	FTP	BPL
38	50	62	Test New D=?		
1:1	Retr. ON	Move XABCD			
Alt-ON	Rx-ON	Time/Price			
SW OFF	T-ON	14.50			
Hide	Gann	<<	>>		

EXIT				
Time/Price				
X	A	B	C	ALL
<<	>>			

MOVE XABCD markers backwards and forwards for backtesting:

This routine allows you to review past XABCD swing readouts or test a current swing that is inside your swing value parameters:

Move XABCD markers for XABCD table readouts:

Various manipulations are allowed on a temporary basis to either look ahead or look backwards on established chart swing points. There will be occasions where the standard swing value approach does not allow you to see the wave configurations as you would like to.

BACK TESTING ABILITY:

RELOCATE XABCD markers to analyse different swing formations:

Advance the "D" marker when the current swing value has not been achieved:

XABCD Ratios		Next Target				
BcD:	1.618	1385.26				
Alt :	1.090	1.272: 1378.71				
Rx :	2.103	2.236: 1382.03				
Dx :	1.291					
XcD:						
XaD:	1.000	1385.00				
Alt 2:						
A B	D=A	1436.25				
C X	D=B	1400.25				
ALL	D=I B?	1385.00				
TWS	TWM	TWF	HrMn	FTP	BPL	
38	50	62			Test New D=?	
1:1	Retr. ON	EXIT				
Alt-OFF	Rx-ON	Time/Price				
SW OFF	T-ON	X	A	B	C	ALL
Hide	Gann	◀◀ ▶▶				

Start Routine by checking MOVE XABCD



XABCD Ratios		Next Target				
BcD:	0.667	1424.25				
Alt :	0.473	0.500: 1425.88				
Rx :	1.097	1.272: 1430.79				
Dx :	1.053					
XcD:						
XaD:						
Alt 2:						
A B	D=A	1385.00				
C X	D=B	1436.25				
ALL	D=X	1437.75				
TWS	TWM	TWF	HrMn	FTP	BPL	
38	50	62			Test New D=?	
1:1	Retr. ON	EXIT				
Alt-OFF	Rx-ON	Time/Price				
SW OFF	T-ON	X	A	B	C	ALL
Hide	Gann	◀◀ ▶▶				

MOVE XABCD



Trend Wave

It is very important to create the correct eSignal TIME TEMPLATE for this indicator.

See TIME TEMPLATES

The TREND WAVE indicator requires 500 records in your eSignal data manager memory to run efficiently. For instructions on creating and loading an eSignal 500 bar time template see TIME TEMPLATES

The TREND WAVE routine has 3 speeds, you can click them on or off from the buttons on the WT III side menu or in the Assistant click the speed boxes.



Trend Wave
FAST
MEDIUM
SLOW

TWS (slow) -TWM (Medium) - TWF (Fast)

This indicator is my TRADE MARK "black box" (It is not available anywhere else. I have kept the formula I use a secret for 20 years), all you need to know is it is my way of following the price action in terms of MOMENTUM - VELOCITY and ACCELERATION. The TW overlays a line on your chart and indicates the direction you should be taking trades in. The line will be going UP or DOWN in a strong fashion or it will be diverging with the price action at times.

The divergence only occurs after a particularly strong and long move when the market is distributing or accumulating before a complete change in direction.

Normally the TWS indicator will alert you to the exhaustion points on a 3-5 minute, 15 minute, 60 minute and a DAILY chart by rolling over and changing its direction. The TWF(fast) will follow the price action by changing direction on even the slightest of corrections. The TWM(medium) should be used as a filter between the TWS and TWF.

When the market is directional the TWS should keep moving in that direction for the duration. Most of the time I am only tracking the TWS as I find that it suits my style better.

Using the indicator on a 5 minute price series in conjunction with normal pattern theory and geometry gives you an additional edge for your trading decisions.

When ON the TW(S) (M) (F) boxes are now color coded to signal the current direction UP or DOWN (Green or Red) as sometimes the Trend Wave overlay maybe obscured by the bars on your chart. This is especially important in the transition periods when the trend wave is rolling over.

Some analysts have suggested that to the novice this indicator is worth the total price of the package.

Gann Menu

Gann methodologies are followed by a majority of traders from the floor.

Click on GANN for the routines MENU

TWS	TWM	TWF	HrMin	FTP	BPL
38	50	62	Test New D=?		
1:1	Retr. ON		Move XABCD		
Alt-OFF	Rx-ON		Time/Price		
SW OFF	T-ON		24.25		
Hide	Gann	<<	>>		

GANN MENU

DAILY RANGES		
Swings	01/14/08:	13.50 Min.
Bars	01/11/08:	23.25
Days	01/10/08:	34.75
G.H G.L	01/09/08:	31.50
OPEN	01/08/08:	44.75 Max.
OBP-ON	01/07/08:	21.50
Events	01/04/08:	26.25
	01/03/08:	13.75
	01/02/08:	31.50
	12/31/07:	13.50
Average Range: 25.43		
SWINGS	Rev. @	BP
3 Day is Dn	1436.25	1418.25
2 Day is Dn	1424.50	1412.50
GS-OFF	L-ON	3 Bars
Hide	BACK	<< >>

Hide **BACK**

Exit to Main Menu

If you are unaware of these methods it is time you learnt about them.

The WaveTrader III GANN button opens a new set of tables.

The features available are very varied and some are not exactly strict GANN procedures but they all fit with the GANN style.

The **Events** Button boots your browser to the Econoday daily reports schedule.

Also special Gann events such as full moon, new moon, equinox, solstice, perigee and so forth will be flagged in this

box when they fall due.

Each day before you do anything else it is advisable to inspect the Econoday reports schedule.

For more information click here

G.H.G.L

OPEN

These buttons need to be checked for ES if you want the new days OPEN, Globex High and Low lines drawn on your ES chart.

The OPEN button also controls the GAP drawing tool if there is a GAP opening on your chart.

SWINGS	Rev. @	BP
3 Day is Dn	1436.25	1418.25
2 Day is Dn	1424.50	1412.50

These buttons control the BPL (Balance Point Levels) from the MAIN WT Menu.

Gann daily swing chart levels - (settings can be changed to between 2 and 9 days for each table) draws the levels High - BP - low. The Days button needs to be checked to access these.

Average Range: 25.43

This is the average daily range over 10 days.

If you click on it it will draw in the previous days close with the boundaries up and down so you can have a perspective of the possible trading range area for the current trading day.

During session hours another box containing Daily Range will appear below the Average Range box and if you click on it it will insert a horizontal line from the opening print and +/- average daily range similar to the one showing from the close.

GS-OFF L-ON **3 Bars**
<< >>

The GS-ON will draw ORANGE SWING LINES onto your chart for GANN SWINGS you select in the ? Bars box.

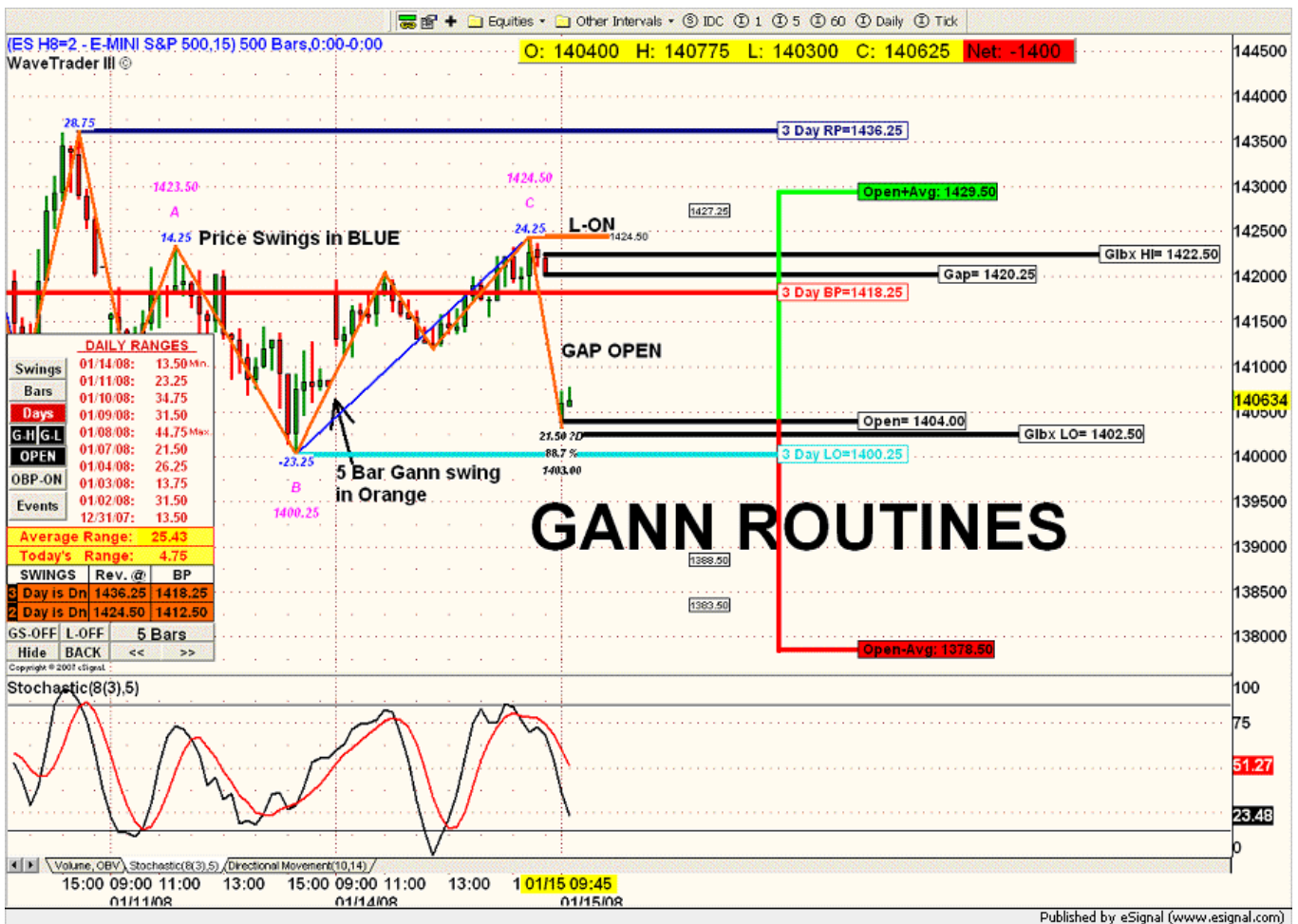
1. GS-OFF/ON = GANN SWINGS-Orange swing lines.
 2. L-on/off - this will insert reversal level lines when GS-ON is applied.
-

Days - Table displays last 10 days trading ranges used for the Average 10 day Range.

Bars - Table displays the last 10 bars trading range- subject to the time frame chart you are displaying.

Swings - Table displays the last 10 swings on your GS-on/off setting with ratio related to current swing in progress.

FEATURES:



The average daily range we use is the average of the last 10 days.

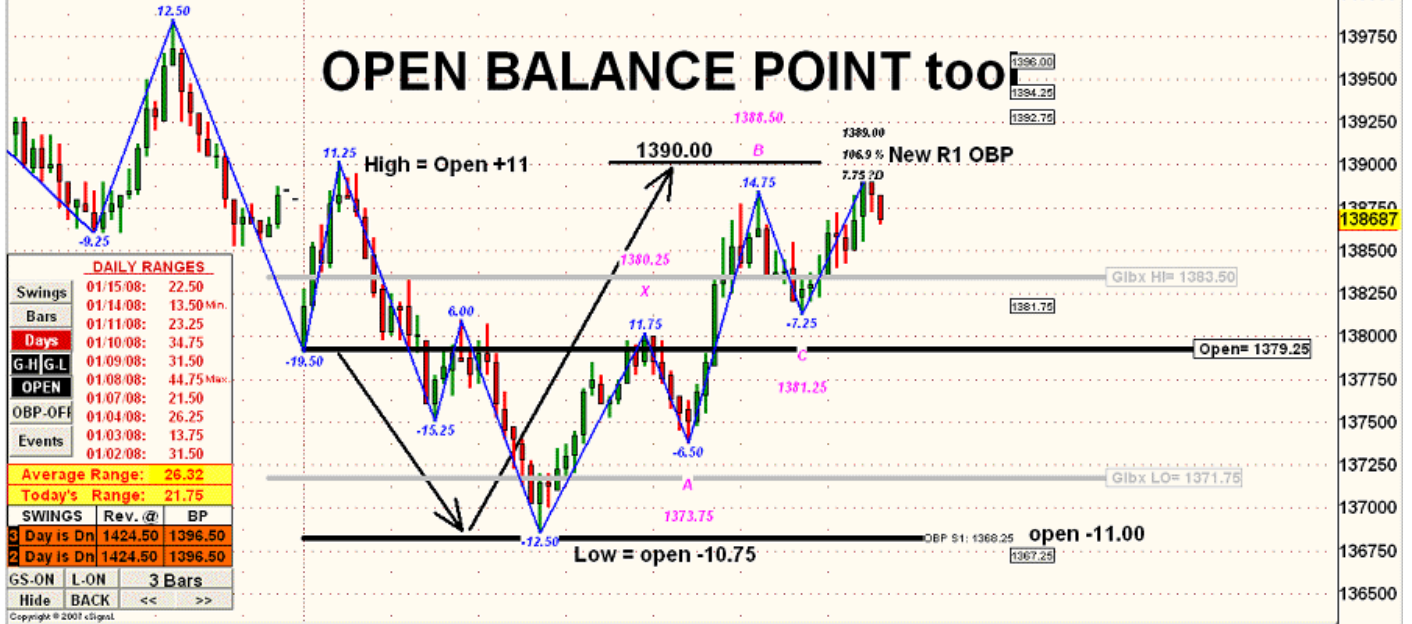
You can remove the BPL's and any other boxed levels by clicking the mouse on them. You can remove the GAP line the same way but if you do and want it back you will need to reload the page.

OBP tool:

The open balance point is for sideways markets and tells you the equal distance above or below the open where any reciprocal move would reach its balance point.

O: 137925 H: 139025 L: 136850 C: 138675 Net: -125 131.25

OPEN BALANCE POINT tool



Floor Traders' Daily Pivots

FLOOR TRADER'S PIVOT
POINTS -R2 R1 P S1 S2

TWS	TWM	TWF	HrMn	FTP	BPL
38	50	62	Test New D=?		
1:1	Retr.	ON	Move	XABCD	
Alt-ON	Rx-ON		Time/Price		
SW OFF	T-ON		14.50		
Hide	Gann	<<	>>		

Check the FTP Button

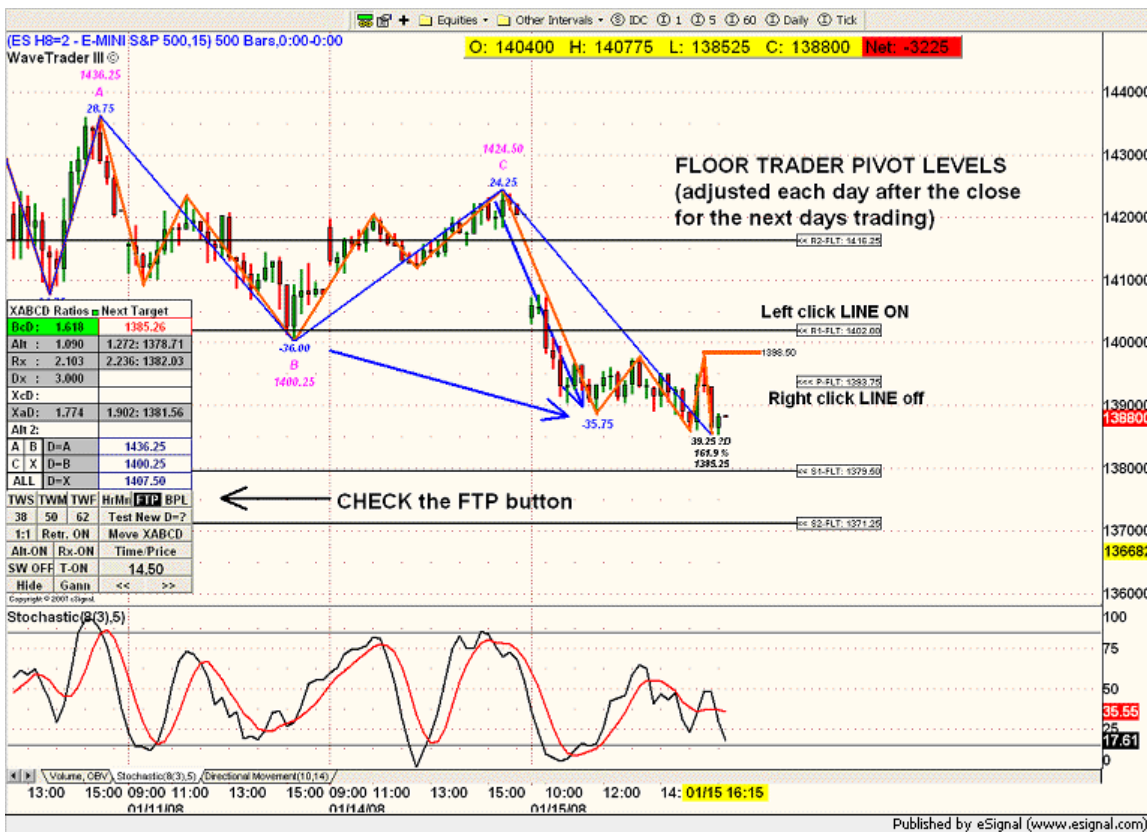
For anyone not familiar with these levels let me just say that they can have a profound effect on the INTRADAY PRICE support and resistance. I recommend that you display them on your 5 minute ES chart each day.

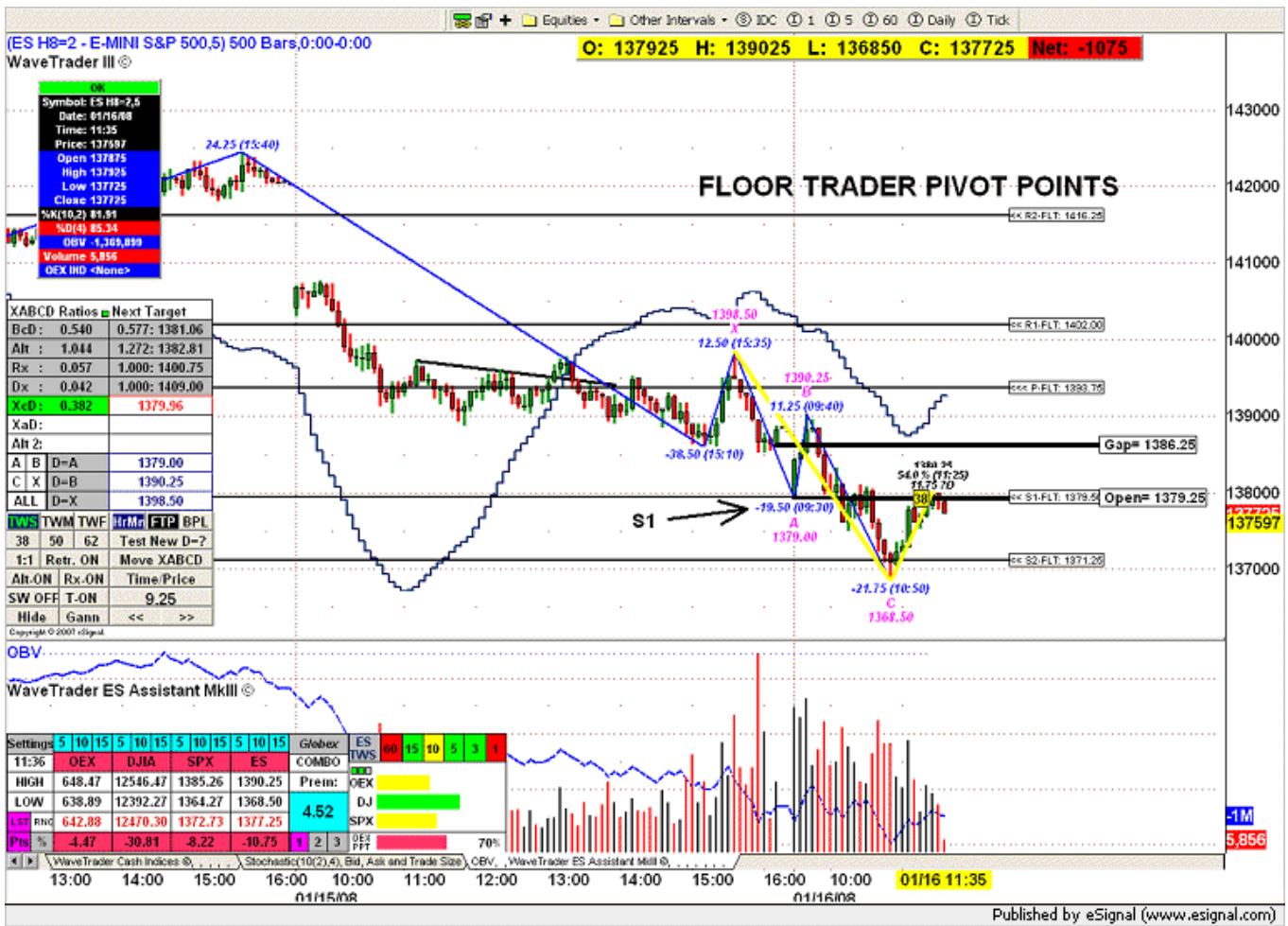
It's not that these daily levels have any particular geometric significance, it is just that FLOOR TRADERS are following the levels each day and they can have a self fulfilling effect on short term price reversals some days.

The FTP's are calculated from the prior days high-low-close and the main levels are R2, R1, P-FLT, S1, S2. Where P-FLT is the new days balance point, R1 and R2 are higher levels for resistance and S1 and S2 are lower levels for support.

Primarily these levels are a guide to intraday trend. i.e., if the market is rising and breaking up through P-FLT, R1 and R2 it is in a strong movement. Conversely if it is breaking down through S1 and S2 it is in a weak position.

Some days the R1, R2 or S1, S2 will fall on dynamic geometric levels as the market unfolds, when this happens they become extremely useful in attracting extra buying or selling pressure should the market want to reverse or break through them.





Economic Events

ECONODAY is a very helpful source of information for the trader who wishes to stay informed.

That is us!

The events selection is a choice button on the GANN MENU. It is recommended that you preview Econoday each day.

We have a direct link to Econoday from your default browser so that you can stay informed of upcoming economic report times and other important information that could influence trader sentiment.



2004 U.S. ECONOMIC EVENTS & ANALYSIS

The EVENTS button will link your browser to ECONODAY's site.

US a Week at a glance.

Events	DAILY RANGES	
Gann Swings	09/02/04:	15.75 Max.
Bar	09/01/04:	11.75
Ranges	08/31/04:	11.00
Daily Ranges	08/30/04:	10.00
Labor Day	08/27/04:	6.50
	08/26/04:	4.75 Min.
	08/25/04:	13.75
	08/24/04:	9.00
	08/23/04:	7.50
	08/20/04:	13.25
Average Range:		10.32

RESOURCES ► U.S. & INT'L WEEKLY RECAPS | RELEASE DATES | WHY INVESTORS CARE | TODAY'S CALENDAR

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Monday Sep 6			Tuesday Sep 7			Wednesday Sep 8			Thursday Sep 9			Friday Sep 10																	
Simply Economics ... Int'l Perspective ... USA Holiday: Labor Day All Markets Closed			Market Focus ... Who's Speaking ... <u>Challenger Job-Cut Report</u> ● 10:00ET <u>4-Week Bill Announcement</u> ● 11:00ET 3-Month Bill Auction			Greenspan Speaks! <u>MBA Purchase Applications</u> ● 7:00ET <u>ICSC-UBS Store Sales</u> ● 7:45ET <u>Redbook</u> ● 8:55ET			Who's Speaking ... Weekly Bill Settlement <u>BOE Announcement</u> ● 7:00ET <u>Import and Export Prices</u> ● 8:30ET <u>Jobless Claims</u> consensus ● 8:30ET			Who's Speaking ... <u>International Trade</u> consensus ★ 8:30ET <u>Producer Price Index</u> consensus ★ 8:30ET																	

Time & Price

TWS	TWM	TWF	Test New D=?
Retrace	ON		Move XABCD
Alt.ON	Rx.ON		Time/Price
SW OFF	T.ON		31.00
Hide	Gann	<<	>>

Cycles Abc'D'	<	>	
A	<	>	A>>B>>C>>D
B	<	>	EXIT
C	<	>	3.00
D	<	>	<< >>

Marker Keypad

Daily Time Tables

Magnet	AB	CD	CD/AB
Price	-79.00	45.00	0.577
%	-6.79	4.15	0.611
TD's	13	5	0.382
Vib	-6.08	9.00	1.481
Days	19	7	0.382
VDay	-4.16	6.43	1.546
Deg	18.94	6.93	0.382
VDeg	-4.17	6.50	1.557
Sqr9	CD	45.00	122

Calendar Days
Time by Degrees
Dynamic Vibration
Dynamic % Change

Intraday Tables

Magnet	AB	CD	CD/AB
Price	-11.00	-11.00	1.000
%	-0.96	-0.97	1.006
Bars	18	25	1.389
Vib	-0.61	-0.44	0.720
Sqr9	CD	-11.00	29

Time / Price Buttons for the AB/CD checker readouts

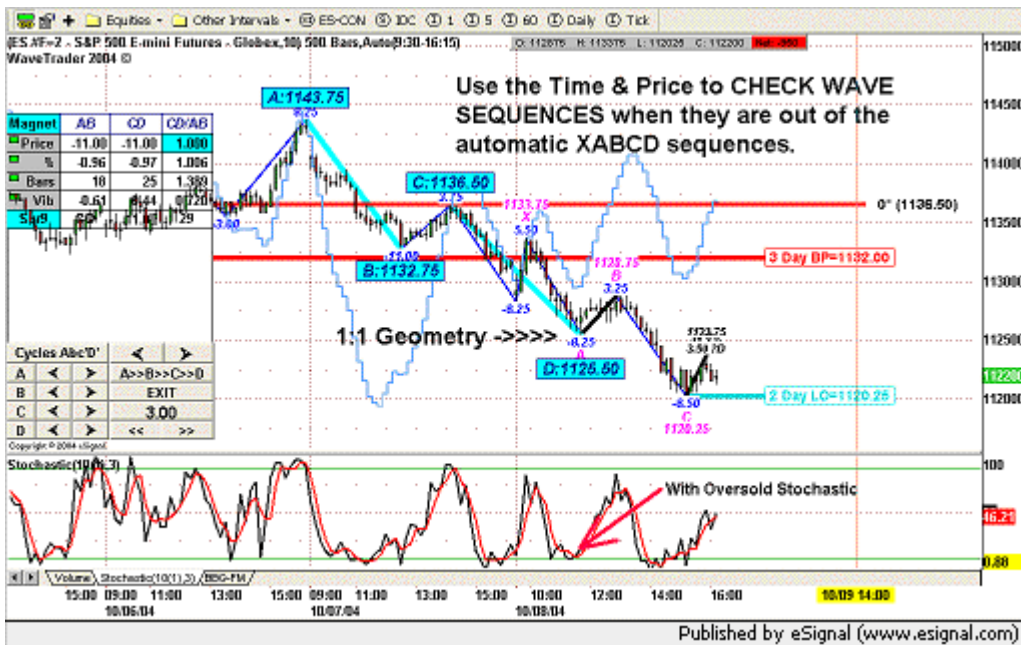


To understand the methodologies behind TIME analysis the way I apply it you will need my Dynamic Time & Price Analysis manual [C] 2002. use time analysis over longer term periods rather than the short term. For the shorter term I can rely on price, pattern and trend to make a trading decision. The long term does not lie but the short term has too so many signals and TIME is more likely to be a better tool over longer time frames.

Nevertheless if you really want to fine tune your knowledge and understanding of Elliott Wave the TIME relationships are very important and when you understand their implications in the big picture your understanding of the markets will increase two fold.

It's a long study to really understand and you probably don't need to know it if you are going to trade intra-day but I always felt it helped me understand why trends reversed when they did and the TIME was always the dominant reason.

INTRADAY this routine it acts as a calculator:
Use this routine in real time to check wave relationships:



To move the A B C D marker positions left click on the lower keypad for options. It won't take long for you to become familiar with it if you are a thinker.

WEEKLY CHARTS:

In the normal course of events weekly swing pivots will be dated for the end of the week but you can get the WaveTrader to extract the exact date of a high or low. To do this make sure before you load a weekly chart you load the daily chart first. Then you CRAM as much daily data to the screen as possible back as far as the time cycles you are likely to want to analyse. This will ensure that the daily data in the computer memory can be interrogated by the time cycle routines when the weekly chart is in use.

TIME BY DEGREES:

Time by degrees is a function of the Earth's position in its orbit around the Sun of 360 degrees. The Earth's orbit accelerates and decelerates in terms of degrees travelled versus calendar days and is not a constant formula. For instance at certain periods of the orbit 180 degrees could equal 179 days and at another it could equal 183 days. WaveTrader 2004 has a planetary calculator to measure the differences accurately to the second decimal point.

DYNAMIC VIBRATION:

Vibration is a 3rd dimension geometric calculation of the average points moved per day or degree over the period of the swing. Dynamic geometry between the Vibration of two swings is just as important as is the Price or the Time when it comes to analysing important relationships in Elliott Wave theory.

Retrace On

WT simple RETRACE FEATURE

Click these Buttons
to ON for display

TWS	TWM	TWF	Test New D=?
1:1	Retr. ON		Move XABCD
Alt-ON	Rx-ON		Time/Price
SW ON	T-ON		2.00
Hide	Gann	<<	>>

TWS	TWM	TWF	Test New D=?
1:1	Retr. ON		Move XABCD
Alt-ON	Rx-ON		Time/Price
SW ON	T-ON		2.00
Hide	Gann	<<	>>

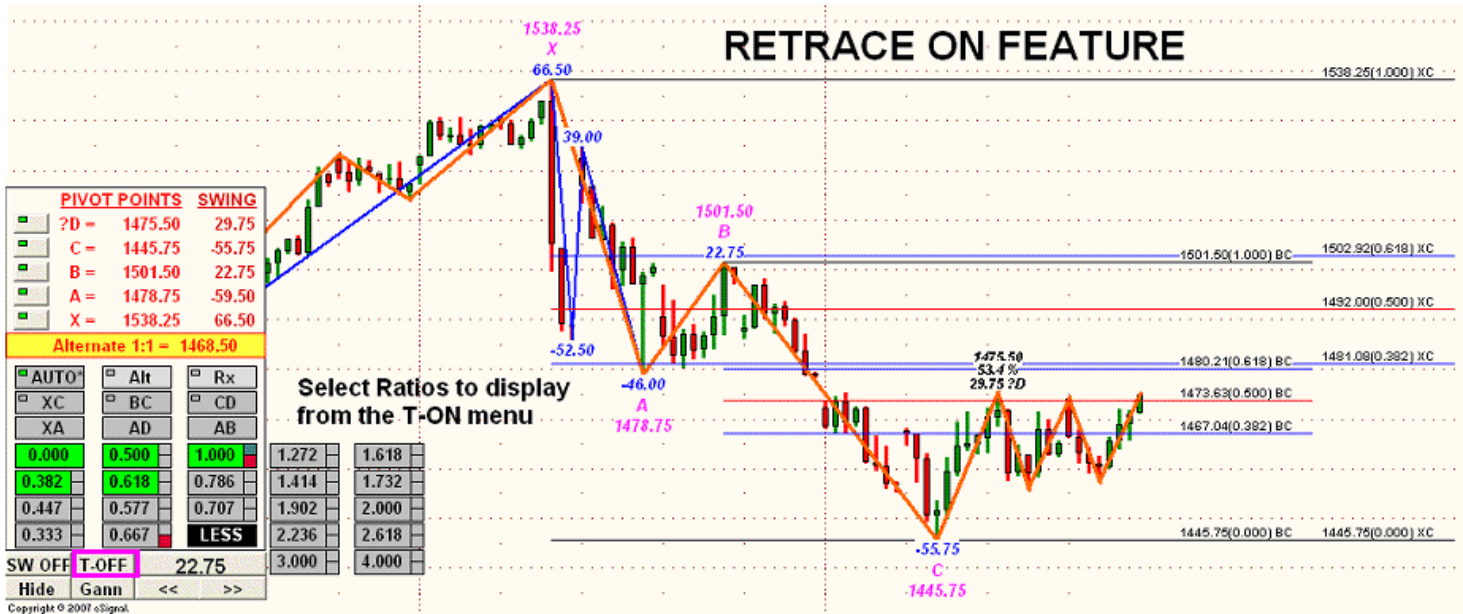
Click on T-ON
for ratio tables

PIVOT POINTS		SWING
?D =	1135.00	-6.25
C =	1141.25	31.75
B =	1109.50	-6.00
A =	1115.50	14.25
X =	1101.25	-13.25
Alternate 1:1 = 1135.25		
<input type="checkbox"/> AUTO	<input type="checkbox"/> Alt	<input type="checkbox"/> Rx
<input type="checkbox"/> XC	<input type="checkbox"/> BC	<input type="checkbox"/> CD
<input type="checkbox"/> XA	<input type="checkbox"/> AD	<input type="checkbox"/> AB
0.000	0.500	1.000
0.382	0.618	0.786
0.447	0.577	0.707
0.333	0.667	MORE
SW OFF	T-OFF	5.50
Hide	Gann	<< >>

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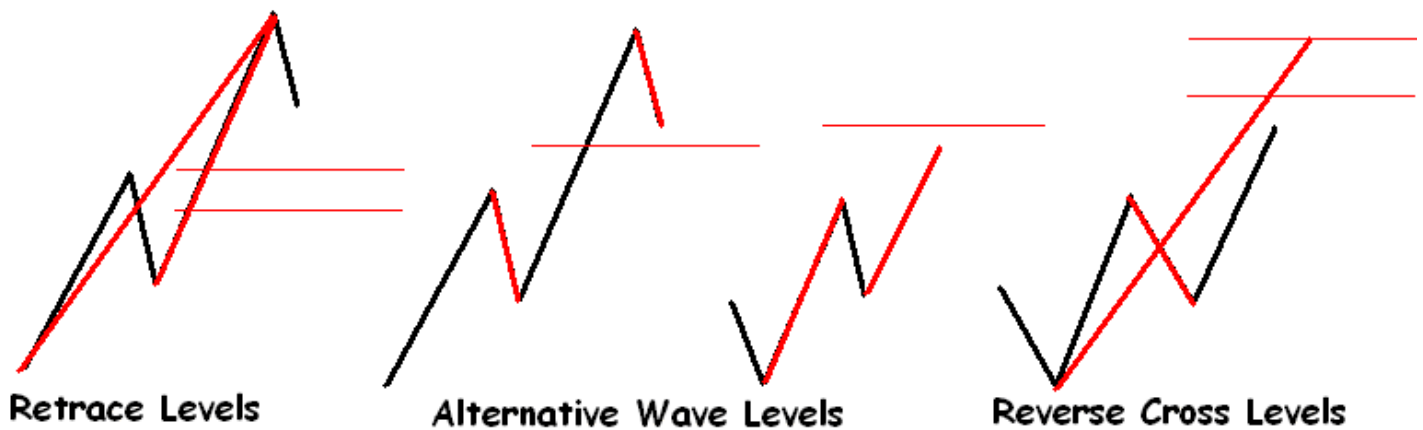
1.272	1.618
1.414	1.732
1.902	2.000
2.236	2.618
3.000	4.000

This feature allows you to keep track of ratio levels related to the swing size you select to run on your live charts. Nevertheless it can also be manipulated with the MOVE XABCD routine.



The [T-ON] Button controls the ratio selection tables for the RETRACE ROUTINES and the Alt and Rx levels to display.

To exit these tables back to the Main Menu display you use the T-OFF button.



Alternate Wave On

The Alt-ON/OFF button with a left click of the mouse enables the alternate wave targets to display on your chart.

TWS	TWM	TWF	Test New D=?
Retrace	ON		Move XABCD
Alt-ON	Rx-ON		Time/Price
SW OFF	T-ON		31.00
Hide	Gann	<<	>>

The T-ON/OFF button enables the ratio selection table.

<input type="checkbox"/> AUTO*	<input checked="" type="checkbox"/> Alt*	<input type="checkbox"/> Rx
<input type="checkbox"/> XC	<input type="checkbox"/> BC	<input type="checkbox"/> CD
<input type="checkbox"/> XA	<input type="checkbox"/> AD	<input type="checkbox"/> AB
0.000	0.500	1.000
0.382	0.618	0.786
0.447	0.577	0.707
0.333	0.667	LESS
SW OFF	T-OFF	5.50
Hide	Gann	<< >>
1.272	1.618	
1.414	1.732	
1.902	2.000	
2.236	2.618	
3.000	4.000	

Selection is Alt

Ratio Selection can be programmed to any of the ratios on the table and will be highlighted in RED if ON or GREY if OFF

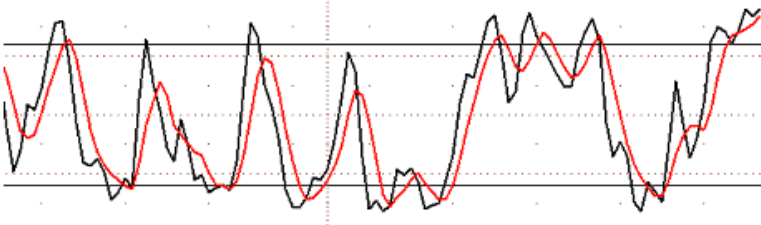
Left Clicks or Right Clicks rotate the values on to off.

Alt-ON

PIVOT POINTS		SWING	
2D =	1397.50	20.50	
C =	1377.00	-12.00	
B =	1389.00	20.50	
A =	1368.50	-21.75	
X =	1390.25	11.25	

Alternate 1:1 - 1397.50			
<input type="checkbox"/> AUTO	<input checked="" type="checkbox"/> Alt	<input type="checkbox"/> Rx	
<input type="checkbox"/> XC	<input type="checkbox"/> BC	<input type="checkbox"/> CD	
XA	AD	AB	1.272
0.000	0.500	1.000	1.618
0.382	0.618	0.786	1.414
0.447	0.577	0.707	1.902
0.333	0.667	LESS	2.236
			2.618
			3.000
			4.000

SETTINGS in T-ON



Higher Elliott Targets

- 1410.47 Alt 1:1.618
- 1403.08 Alt 1:1.272
- 1397.50 Alt 1:1 1:1 DD
- 1389.67 Alt 1:0.618

Print style changes when target is exceeded

1:1 is the most common reversal level.



Stochastic is positioned for a reversal.

Reverse Cross On

The Rx-ON/OFF button with a left click enables the Reverse Cross wave targets to display on your chart.

TWS	TWM	TWF	Test New D=?
Retrace	ON	Move	XABCD
Alt-ON	Rx-ON	Time/Price	
SW OFF	T-ON		31.00
Hide	Gann	<<	>>

The T-ON button enables the ratio selection table.

<input type="checkbox"/> AUTO*	<input type="checkbox"/> Alt	<input checked="" type="checkbox"/> Rx*
<input type="checkbox"/> XC	<input type="checkbox"/> BC	<input type="checkbox"/> CD
<input type="checkbox"/> XA	<input type="checkbox"/> AD	<input type="checkbox"/> AB
0.000	0.500	1.000
0.382	0.618	0.786
0.447	0.577	0.707
0.333	0.667	LESS
W OFF	T-OFF	40.00
Hide	Gann	<<
		>>
1.272	1.618	
1.414	1.732	
1.902	2.000	
2.236	2.618	
3.000	4.000	

Selection is Rx

Ratio Selection can be programmed to any of the ratios on the table and will the table boxes will be highlighted in BLUE if ON or GREY if OFF

Left Clicks or Right Clicks rotate the values on to off.



The RX (Reverse Cross) ratio relationship is something you want to watch for a confirmation when a 3 swing series reaches RETRACEMENT LEVELS of 38.2, 50 or 61.8 or when a 1:1 Alternate wave DOUBLE DRIVE connects.

Square of 9

This is a Gann tool that in my opinion is over rated, nevertheless a lot of people follow it so it is important to observe how it comes out when you identify a strong high or low using my more conventional methods.

Sometimes like in this example of the 1163 high it couldn't have been better as it was another psychological sign that fitted in with a bunch of other things.

Point is the market declined and didn't go higher so we have to give it some respect.

The SQ9 display is in the TIME & PRICE routine.

The Sq9 is a price measuring tool developed by W.D GANN. He claimed price encountered support or resistance when it moved through the degrees of the circle. A circle contains 360 degrees and he claimed price would reach support or resistance at the 90 degree movements from the starting price. For a market price to move 360 degrees from a level of 576 (root of 576 is 24 and this was Gann's death number) it would have to move 2 Squares - so $24+2=26$ (676) or $24-2=22$ (484) and that would be 360 degrees. Gann's system adjusts as price levels increase or decrease on a logarithmic basis. I have observed this technique for measuring price moves in markets over many years and it has instances where it looks like it is working and so many times where it is of no use.

Nevertheless I know there are more than enough believers out there who will be calculating price support or resistance in advance using Gann's method. Therefore it is useful to know the method and at least monitor it from a technical viewpoint.

To activate the Sq9 tool in WaveTrader2004 you must activate the TIME & PRICE Window.

SQ9 levels can be inserted from the [C] marker level in the Time & Price tables. To activate the display you just Click on the SQ9 button. To run Sq9 levels from any high or low just position the C marker and activate SQ9.

To move the [C] marker just click on the C in the table and it will highlight in bright BLUE, then move your cursor to a swing point on your chart and click again. If you want to move C to a point that does not coincide with a swing level you will have to switch off the Magnet button first then follow the same procedure and click on the high or low of any chart bar. Once the C marker has taken its new location the blue background on the C button will extinguish.

I have a couple of examples to show you from the Gold market where there are a lot of Gann oriented traders.

Hide Function

TWS	TWM	TWF	Test New D=?	
Retrace ON		Move XABCD		
Alt-OFF	Rx-OFF	Time/Price		
SW OFF	T-ON	5.50		
Hide	Gann	<<	>>	

HIDE button:

Left Click: HIDE

Hide All	HELP	T.Size	Hours	
TWS	TWM	TWF	XABCD-OFF	
Alt-OFF	Rx-OFF	Retrace OFF		
SW OFF		5.50		
Tables	Gann	<<	>>	

Selections change to:-

HELP T.SIZE HOURS

Left Click: HIDE ALL



From SHOW left click (LC) and then (LC) TABLES

The HIDE button gives you access to the HELP Index (this web site through your default browser).

The T.SIZE if you need to edit any ticker settings.

The HOURS if you need to re-edit your trading hours these are the hours as per you computer clock. I run my computers on USA ET to save me working out the time differences of the US markets to my local time.

HELP button will link your browser to this web site.

T.SIZE: (Symbol tick size)

The tick size is the basic increment a futures contract can trade at, for instance ES trades in increments of 0.25 or 1/4 point. The Cash indices such as the SPX and OEX are quoted in 1/100ths 0.01 but this would be too small of a move to mean anything. For the ES I use 0.25 and I also use the same for the SPX. For the OEX I use 0.10, for other tickers I don't trade I first experiment with them a little bit.

If you want to get the best value out of your X-ABCD tables the T.SIZE needs to be tailored to something that reflects about 1/40th of the average daily range. No less than 1/30th and no more than 1/50th.

Anytime you load a new Ticker Symbol into Wavetrader II you will be prompted for trading HOURS and T.SIZE. You can put what you like to get things moving but if you need to make changes you can go back and change these entries later.

Click Here for HELP

Please Enter the MINIMUM TICK SIZE for ES #F=2

0.25					
7	8	9	0.1	0.50	1/8
4	5	6	0.01	0.25	1/16
1	2	3	0.001	0.05	1/32
0	.	<	0.0001	0.025	1/64
OK		C	0.02	1/128	

Use C to clear and key in numbers - then key OK

After you have completed the T.SIZE you will be prompted for Display format. Select a format and key OK

Click Here for HELP

Please Choose a DISPLAY FORMAT for ES #F=2

Minimum Tick Size Selected = 0.25 Click to Change

Last Price 1259.75 will be displayed as 1259.75

#	1/2	1/64
##	1/4	1/128
###	1/8	None
####	1/16	OK
#####	1/32	

HOURS: (Symbol Trading hours)

These are important and should be entered correctly as they will be referenced to your computers time clock.

For instance if you have your computer clock set to USA ET the trading hours for the SPX would be 09:30 to 16:00
 If you had your clock set to Australian EST the SPX would trade between 23:30 to 06:00 in winter and 01:30 to 08:00 in summer.

The reason the hours are important is because the WT II needs this information to update the GANN DAY PERIOD SWINGS at the end of the trading day.

The menus for the HOURS are similar to the TICKER menus and are self explanatory.



The Sq9 tool is probably more useful in the gold and grain markets but moves of 90 & 180 degrees in all markets over

shorter time periods will attract attention from the Gann oriented fraternity.

I have another example below from the S&P of a 3x360 instance.



Personally I wouldn't trade off Sq9 signals unless they tied in with some logical market geometry at the same time. Nevertheless Sq9 is an interesting concept and it does have a dedicated group of followers.

I have explained all of Gann's methodologies in my Dynamic Time & Price Manual [C] 2002 - some are very good and others are fairly average when it comes to reliability.

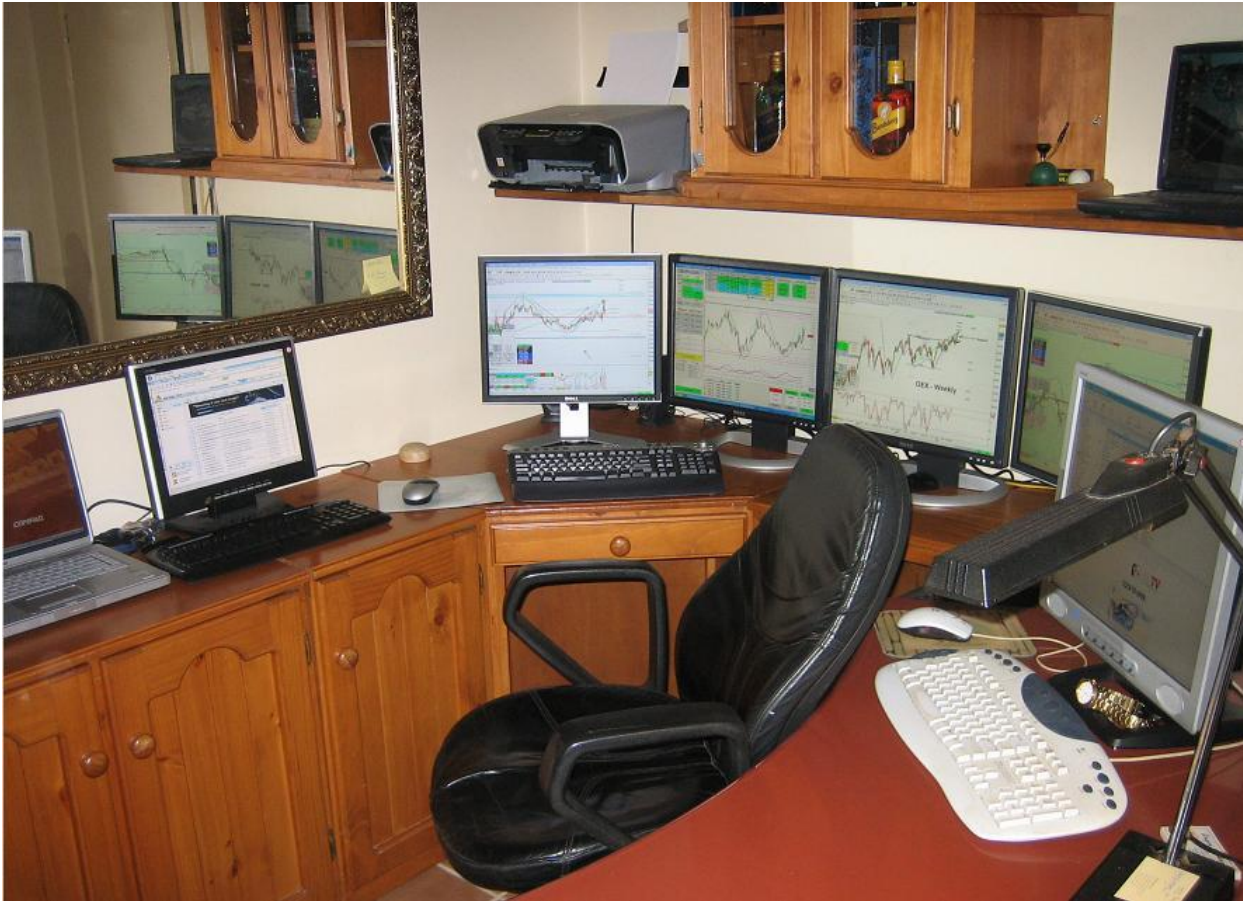
Recommended Setup

For S&P trading purposes you will need to monitor the ES futures as the trading vehicle and also the \$OEX & \$SPX. The OEX is the top 100 S&P500 stocks and dominates the market. The S&P500 will not go far for very long if the OEX is standing still.

Recommended: PC Computer, 1 Gig ram - Pentium 4. 3.2.ghz - 4 Screens, (2 Gig ram would even be an advantage but it is not mandatory).

I have a network arrangement of 3 computers with the Dell 4 screen desktop dedicated to the eSignal data feed, WaveTrader software applications and my Hot Comm room membership.

Office



I also have cable TV which I use to run services such as Bloomberg, CNN and FOX during market hours. It is important to remain informed on the general market mood. Bloomberg reports on economic data releases the instant they are released and frequently runs interviews with pit traders. It is also a good way to keep up with the news and earnings reports that are released in and outside of RTH market hours. If you stay informed you will never get any surprizes after the event and you will know when important reports are due to be released. The current news is your life blood if you want to remain a winner in the trading business.



The WaveTrader III can run in numerous eSignal applications and keeps track of all the patterns and geometry on all time frames as the day progresses.

- With the WT-ES assistant MkIII we can keep track of all the stock indices OEX, DJIA, SPX, & ES in time frames from 1 minute and more up to daily, weekly and monthly.
- The state of the OEX and the OEX position helps you to filter trading opportunity as the ES choices arrive.
- The WT III Trend Waves of the momentum in force tell me when the PRICE ACTION trades have a good chance of working.

4 Screens Workstation



You should think about having a separate computer dedicated to your execution platform but it is not necessary to have the extra computer if you have a 4 screen workstation.

My WaveTrader applications run directly from within the eSignal pages:



The WaveTrader package comes in two separate applications, the WaveTrader III resides in the main window (upper window of your eSignal chart), the WaveTrader Assistant Mk III is a dashboard application which resides in the eSignal indicator and studies window. Both applications are independent of each other and can be run as separate applications.

For the S&P trader I recommend using both applications but if you are trading other trading vehicles it is only necessary to run the WaveTrader III.

The WT III can be run in multiple windows and eSignal applications concurrently, the WT Assistant (dashboard) is better to be run as a single application below the S&P chart you use most frequently. Switching windows within eSignal is a single click operation or you can have multiple floating windows to display several chart windows at the same time.



Multiple windows running live within eSignal.

The WT ASSISTANT page can be updated instantly from the WT Dashboard to display 32 chart displays covering time frames between 1 minute and Daily for the ES, SPX, OEX and DJIA tickers. The information is running live within the eSignal data manager.

The WaveTrader CASH INDICES pages are an additional feature we added to run in the WT ASSISTANT. These are set to 60 minute, DAILY, WEEKLY and MONTHLY time frames. They have their own DASHBOARD application which is installed in a separate window.

You can purchase our software in three ways....

WaveTrader III as a stand alone program.

WaveTrader Assistant for S&P traders as a stand alone package.

or the combined package of WT III, WT Assistant and WT Cash Indices.

If you set yourself up correctly it will make your trading day a lot easier to handle.

If you desire to run more than 1 or 2 eSignal APPLICATIONS at the same time you can do that easily but you will need to extend your Windows HEAP size to accomodate the space required to run multiple applications without any hitches. I have my windows HEAP size set to 10 meg on all my computers.

HEAP SIZE HINTS:

The standard Windows HEAP size is 3 meg and this heap size restricts the storage of links associated with multiple programs loaded in your windows environment. You can expand the HEAP size so that it is possible to run a lot more applications in the windows environment at the same time.

Setting up your computers to run multiple eSignal applications on 4 Screens:

The ideal way to set up your eSignal for trading is with a layout on 4 separate windows where you can have multiple screens or set your eSignal up so you can switch from one page to the other in a second.

You may have a problem running 4 separate windows of eSignal until you increase your WINDOWS HEAP size. This can be done through the REGEDIT editor. Heap size needs to be increased from 3072 to 10240.

See microsoft for information. <http://support.microsoft.com/default.aspx?scid=kb;en-us;184802>

HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Session Manager\SubSystems\Windows

The default data for this registry value will look something like the following (all on one line):

```
%SystemRoot%\system32\csrss.exe ObjectDirectory=\Windows
SharedSection=1024,3072,512 Windows=On SubSystemType=Windows
ServerDll=basesrv,1 ServerDll=winsrv:UserServerDllInitialization,3
ServerDll=winsrv:ConServerDllInitialization,2 ProfileControl=Off
MaxRequestThreads=16
```