

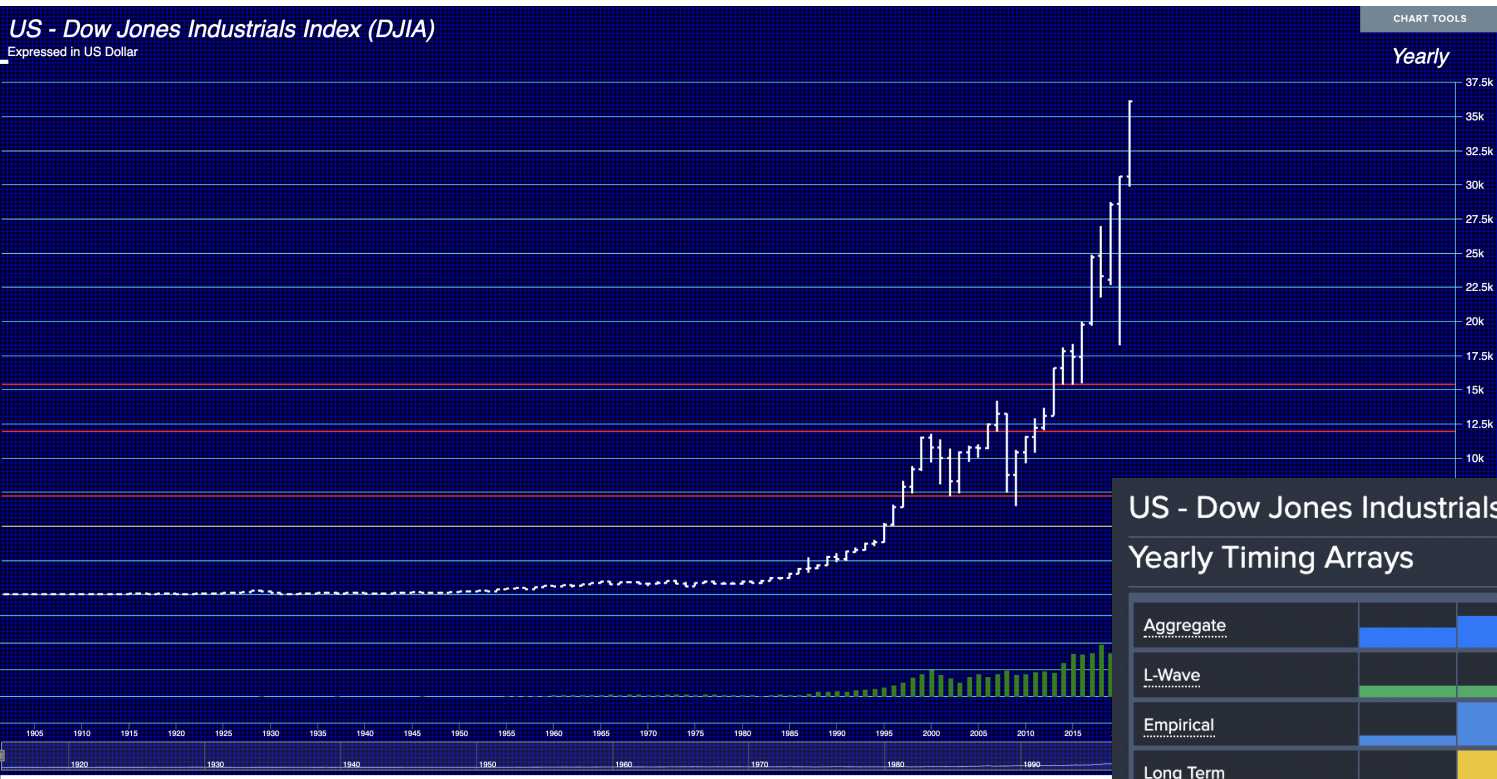
Global Markets Overview

World Economic Conference
November 5-7, 2021

GLOBAL EQUITIES

2021 WEC Global Markets Overview

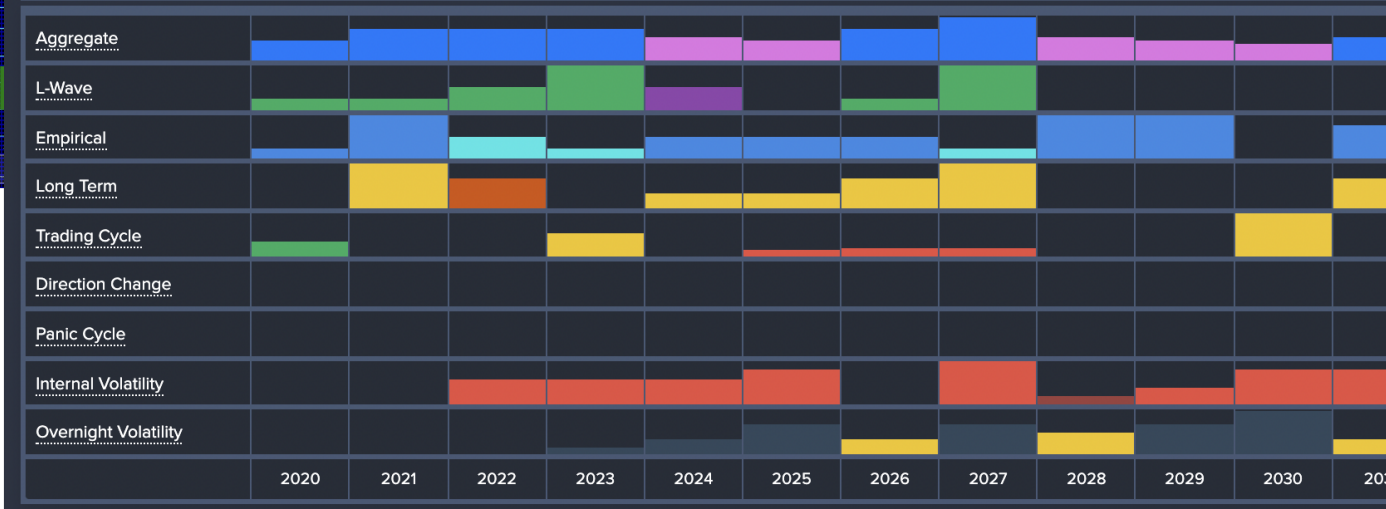
DOW JONES (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		15,370.20	7,197.30
		11,939.50	5,014.40

US - Dow Jones Industrials Index Yearly Timing Arrays

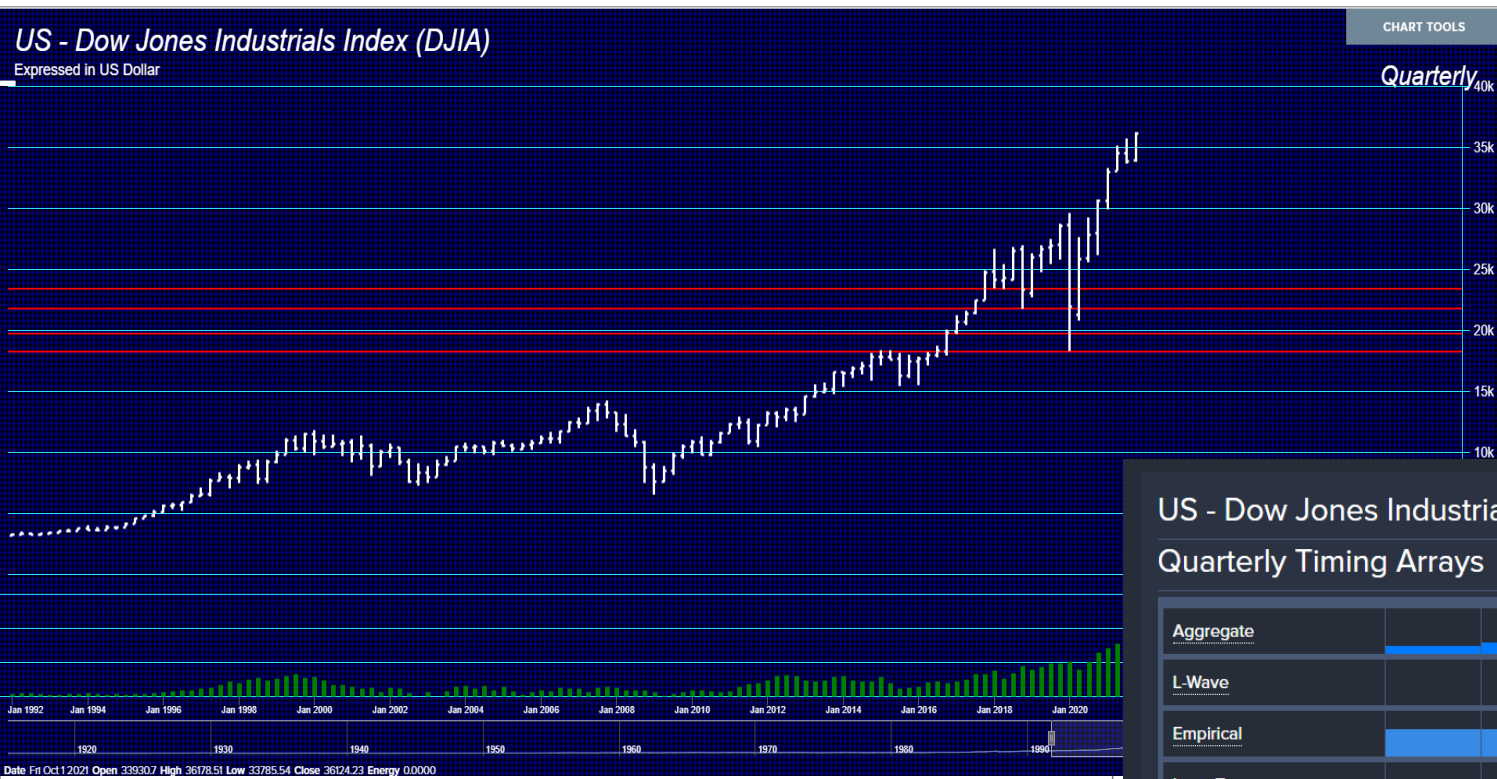


Time-Level Indicating Ranges Table

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bearish	No Change

DOW JONES (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		23,344.40	21,712.40
		18,213.50	19,677.80

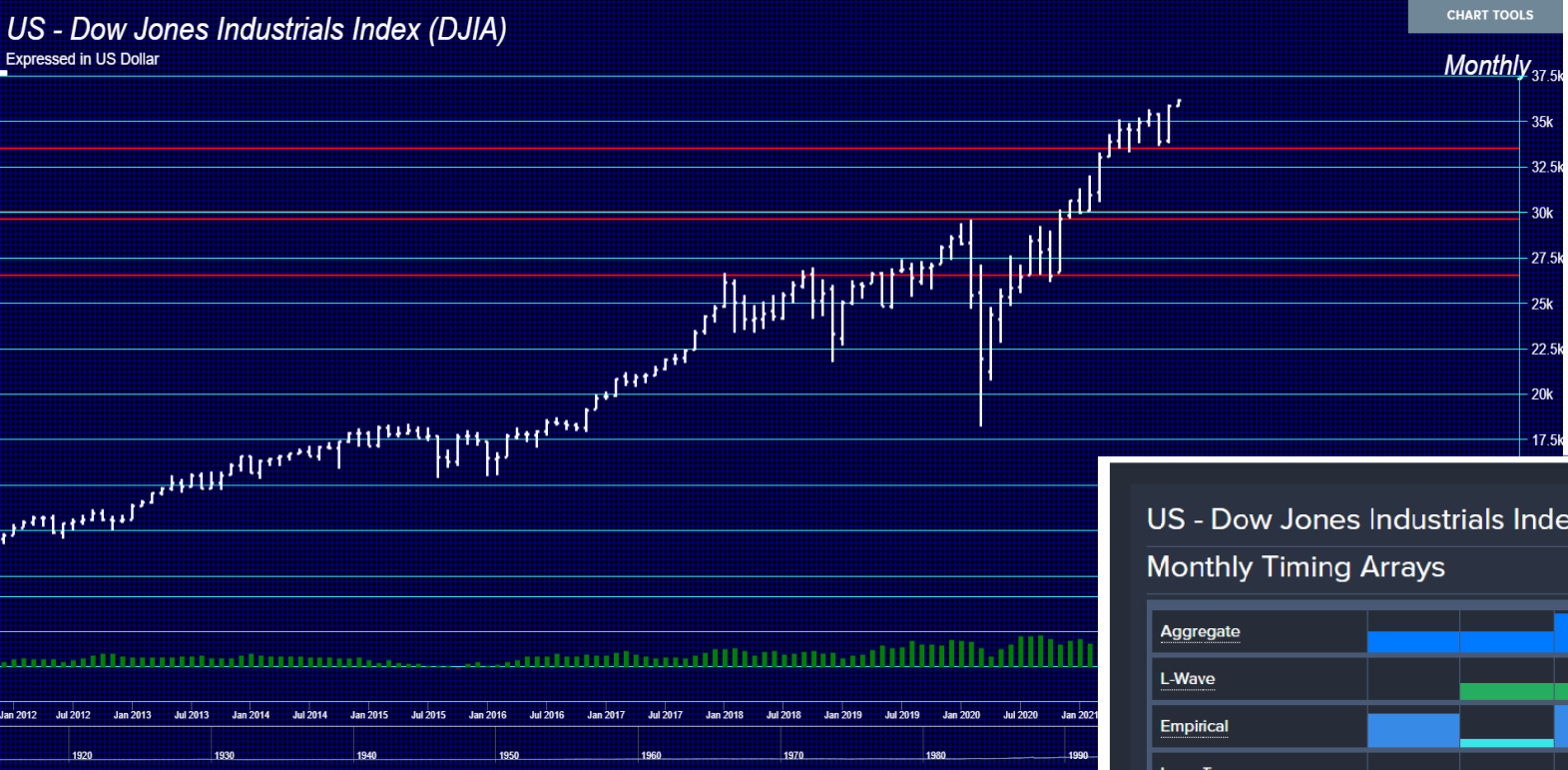
US - Dow Jones Industrials Index Quarterly Timing Arrays

	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

DOW JONES (as of MONTHLY close – Oct 2021)

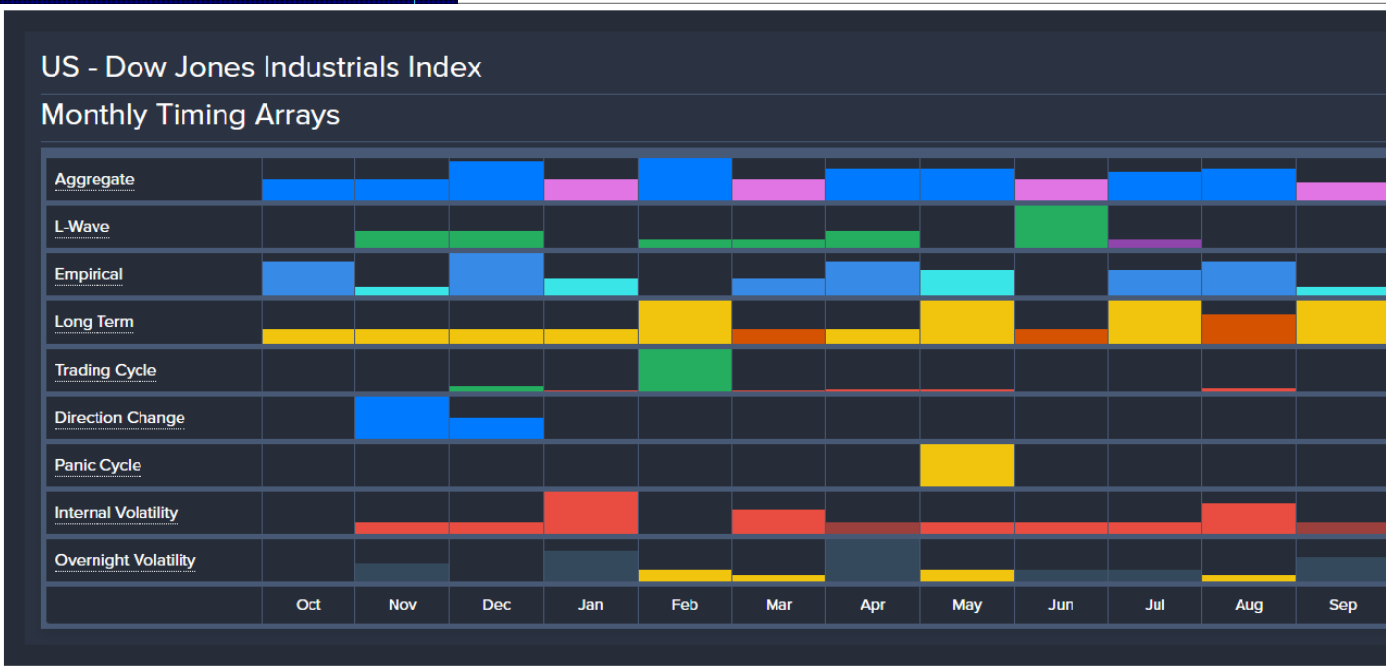


Monthly Reversals

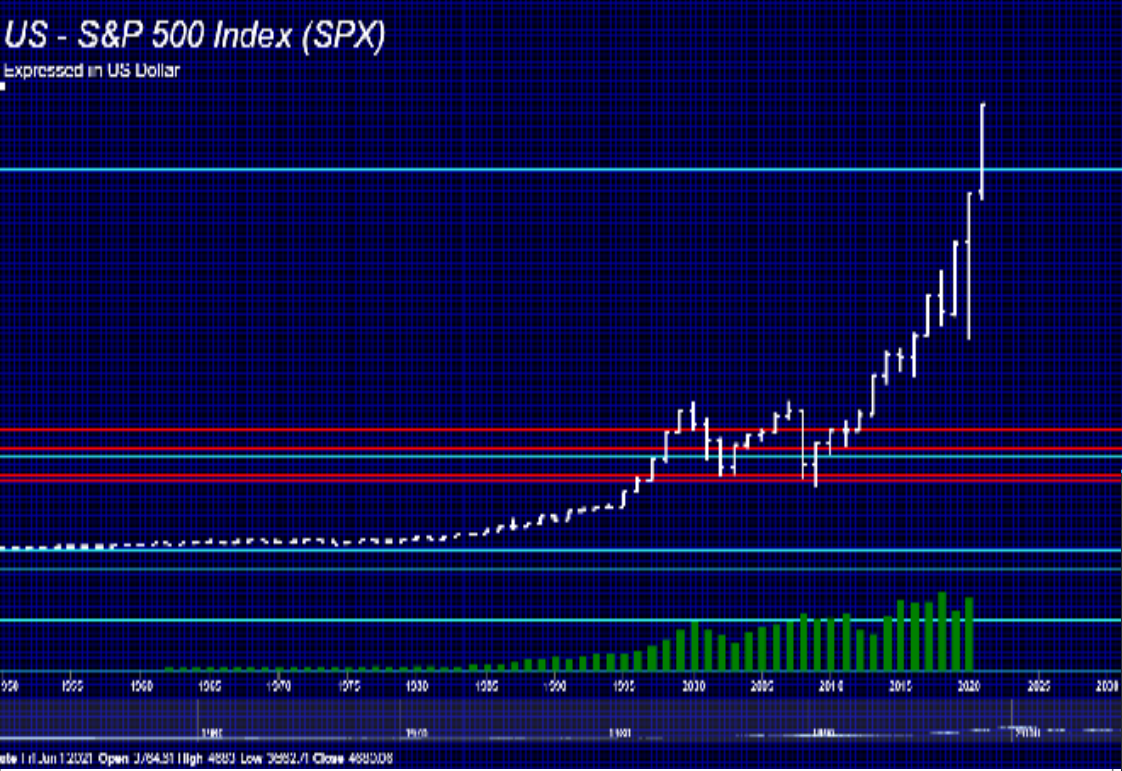
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		33,473.70	30,014.80
		26,537.00	29,599.10

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change



S&P 500 (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		1,258.70	788.80
		1,062.10	
		729.40	

US - S&P 500 Index Yearly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

S&P 500 (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		2,822.00	1,737.80
		2,407.60	
		1,893.60	

US - S&P 500 Index Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

S&P 500 (as of MONTHLY close – Oct 2021)

US - S&P 500 Index (SPX)

Expressed in US Dollar



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		3,725.50	3,070.20
		3,050.60	
		2,965.50	

US - S&P 500 Index

Monthly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep

Monthly Indicating Ranges

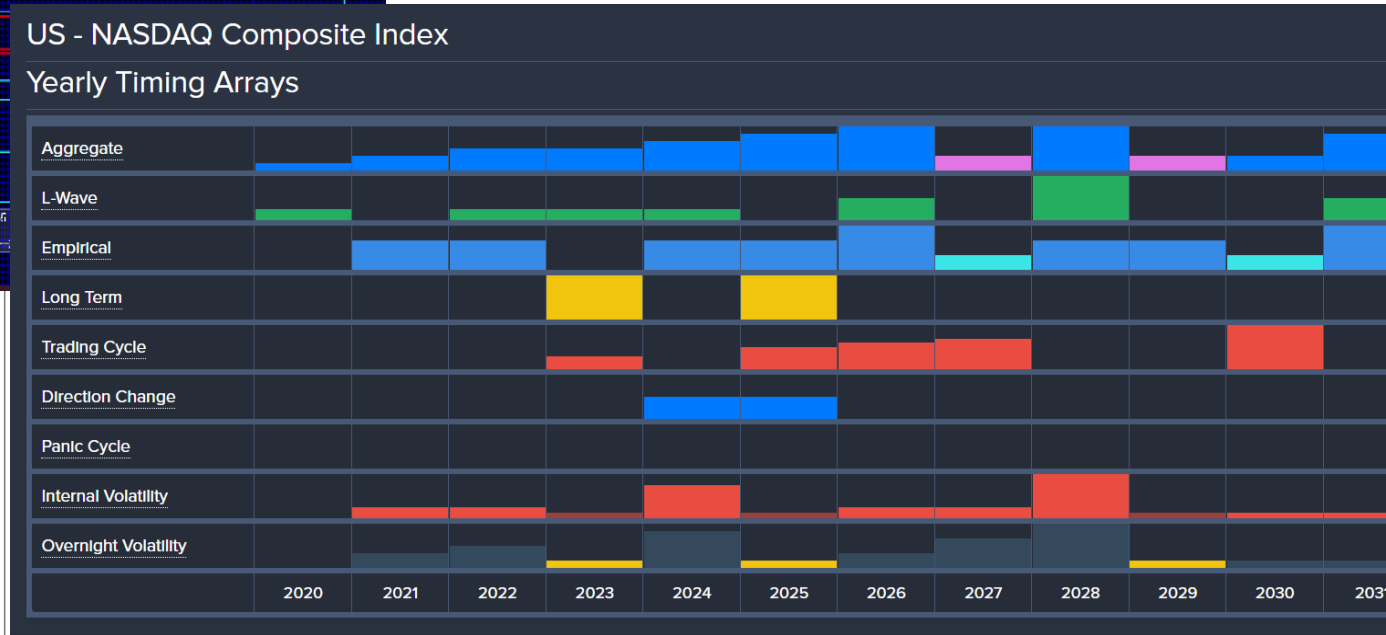
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

NASDAQ COMP (as of YEARLY close – 2020)



Yearly Reversals

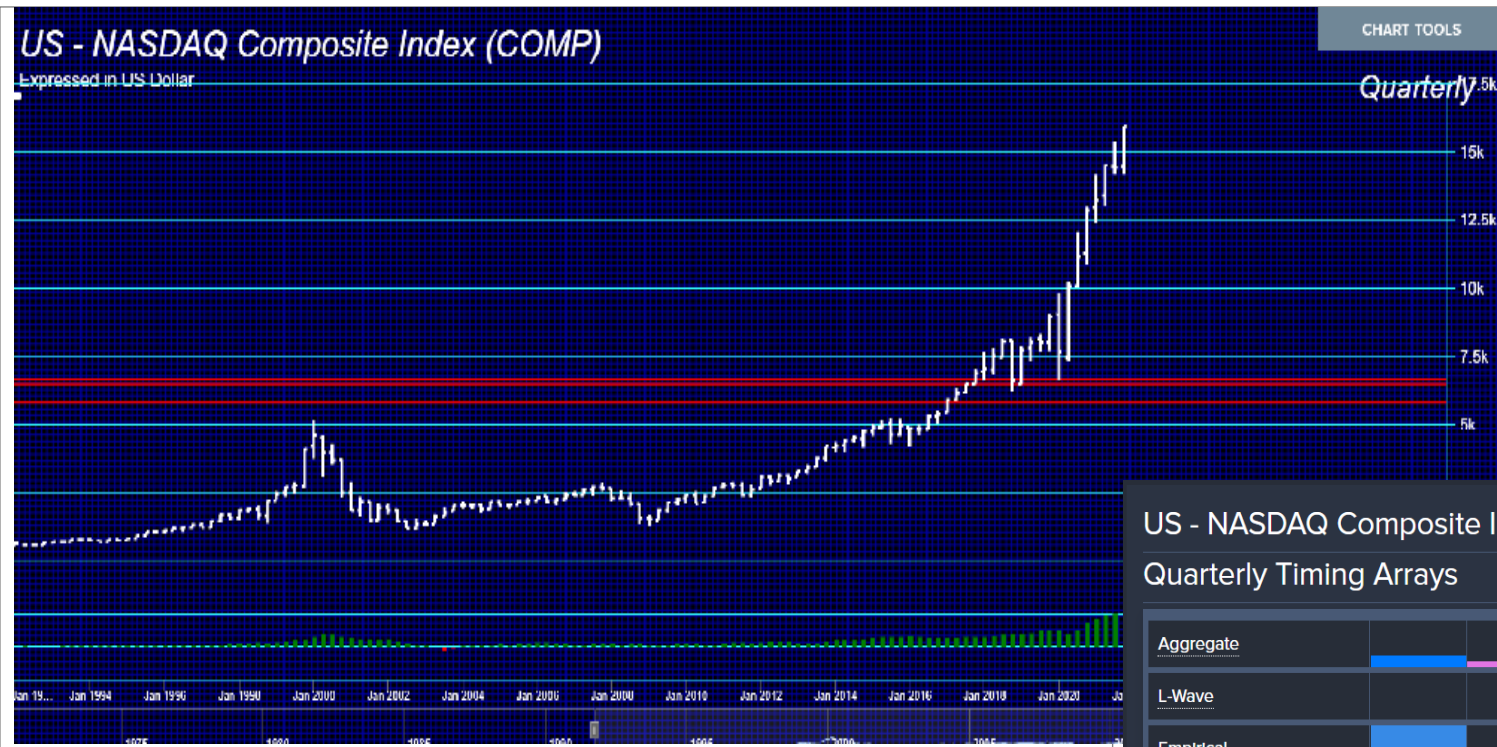
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		4,292.00	1,108.30
		2,331.40	
		977.60	



Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

NASDAQ COMP (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		6,631.30	6,484.00
		6,630.50	5,805.00

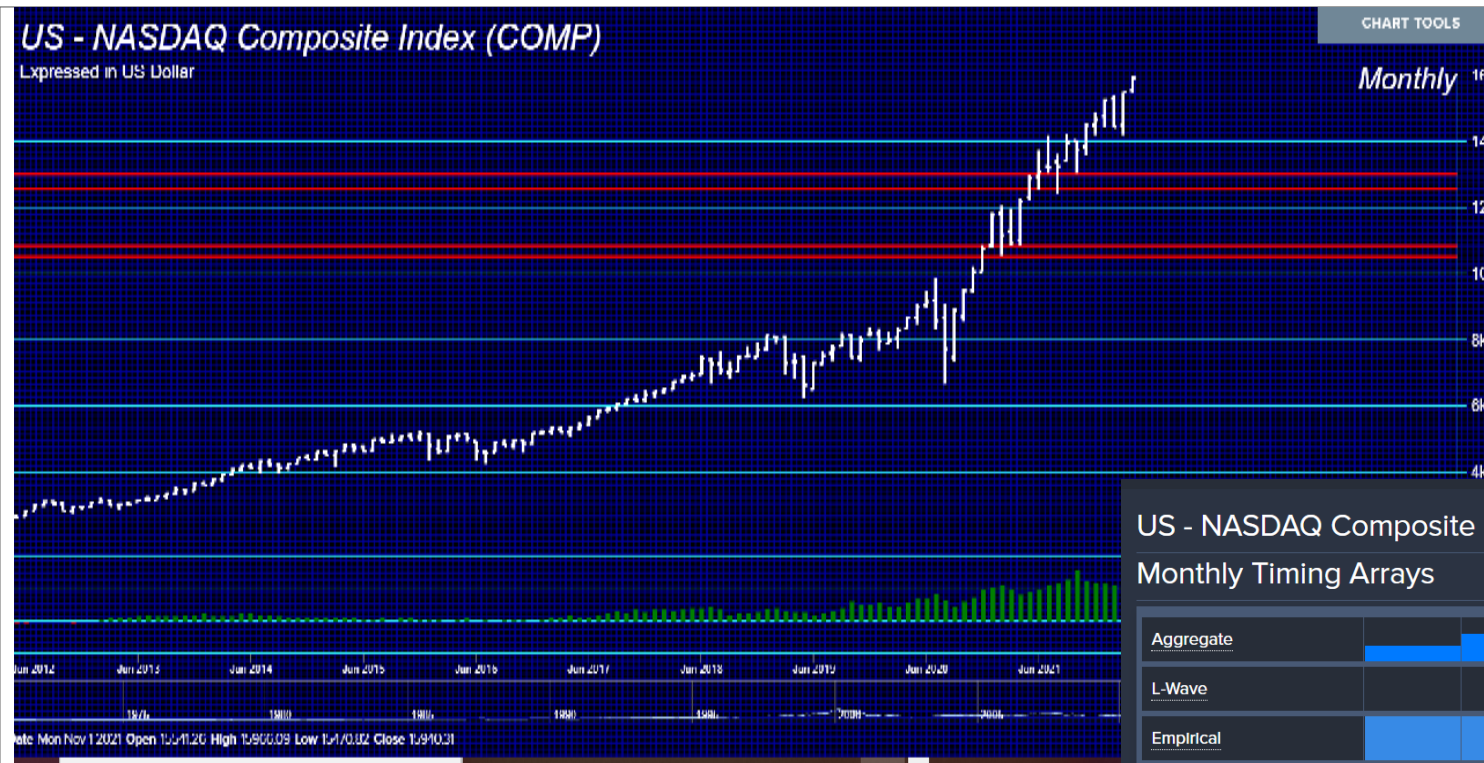
Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

US - NASDAQ Composite Index Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024

NASDAQ COMP (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		13,002.40	12,543.10
		10,519.30	10,830.80

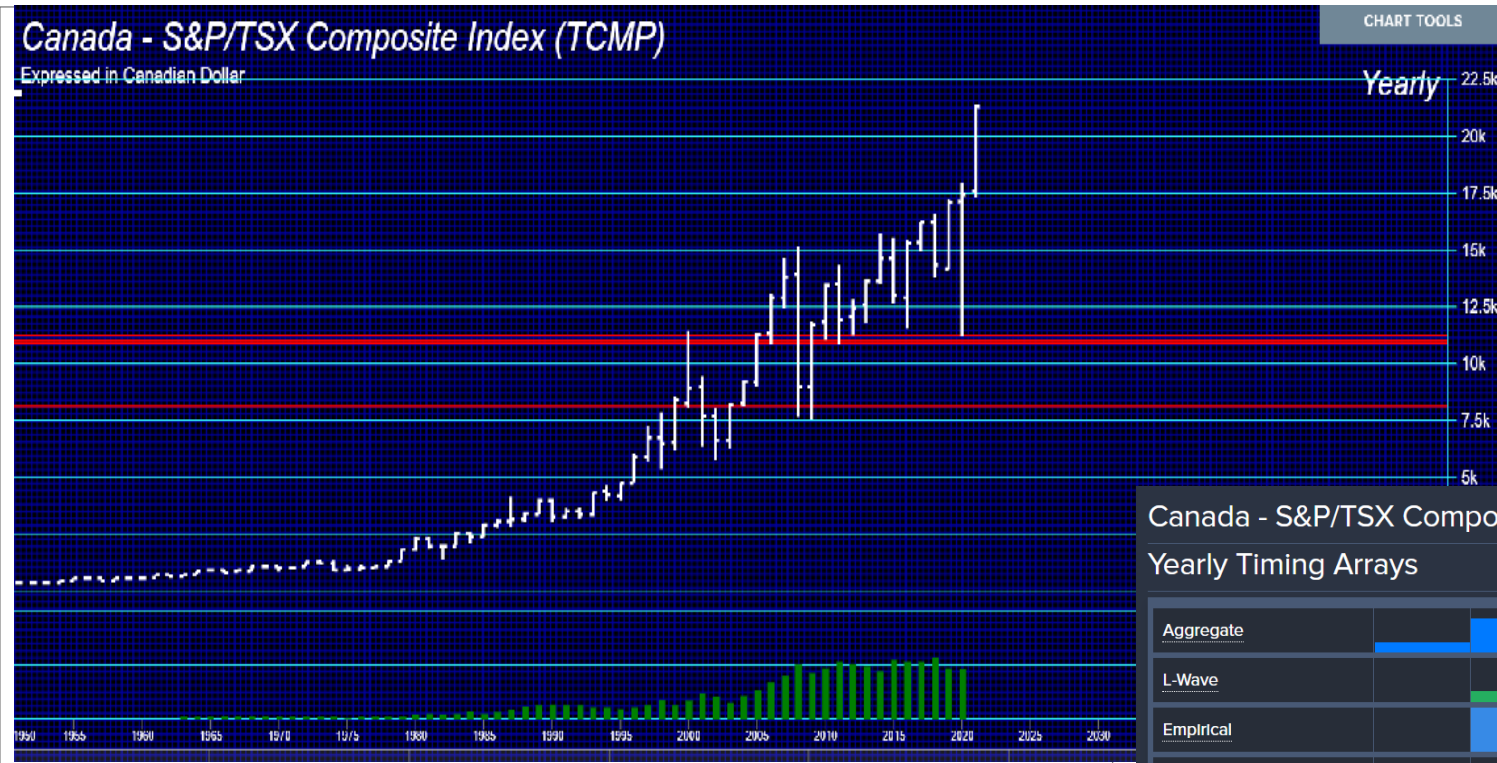
Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bearish	No Change

US - NASDAQ Composite Index Monthly Timing Arrays

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

TSX COMP (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		11,209.50	10,990.30
		8,098.00	10,860.60

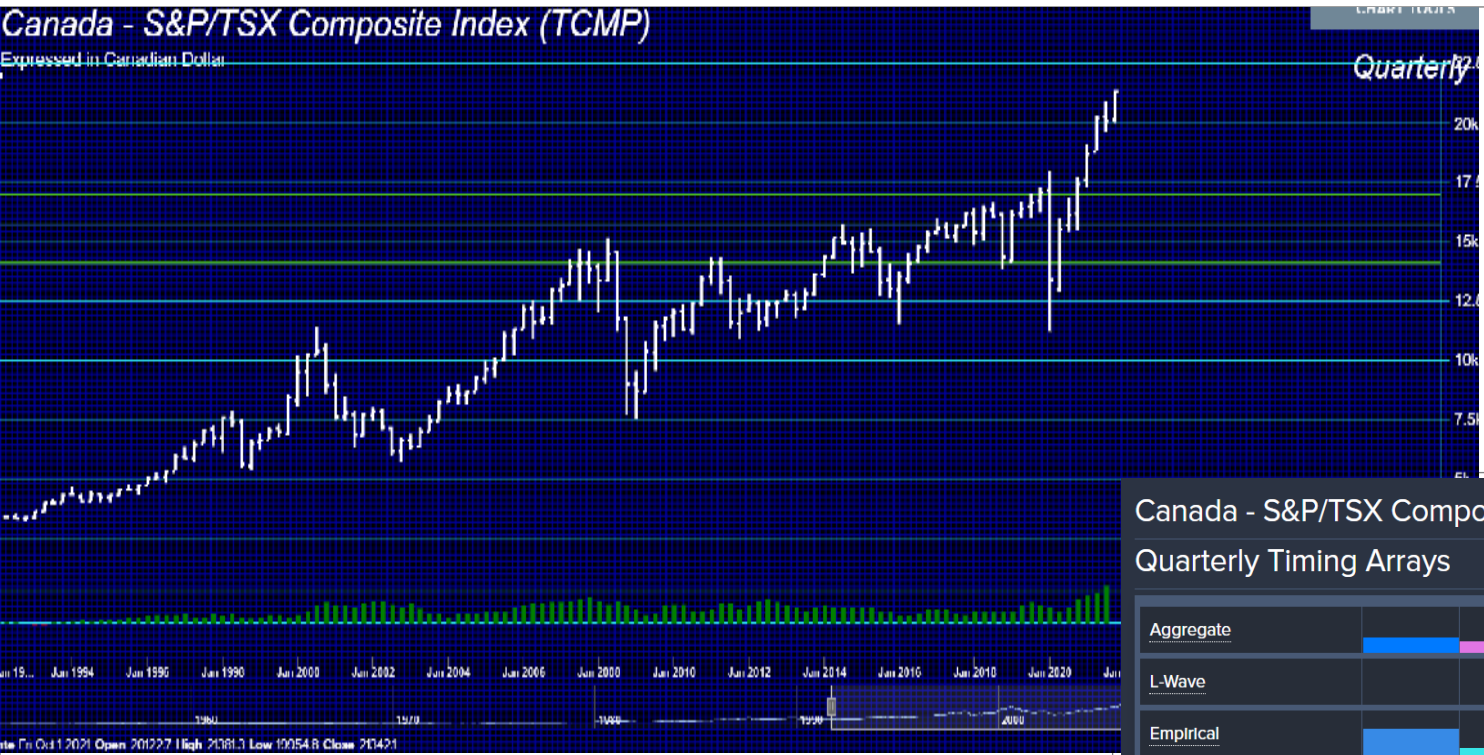
Canada - S&P/TSX Composite Index Yearly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bearish	No Change

TSX COMP (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	14,053.30	1,828.80	2,061.20
	15,693.00		1,812.40
	16,947.30		1,521.00
			1,355.60

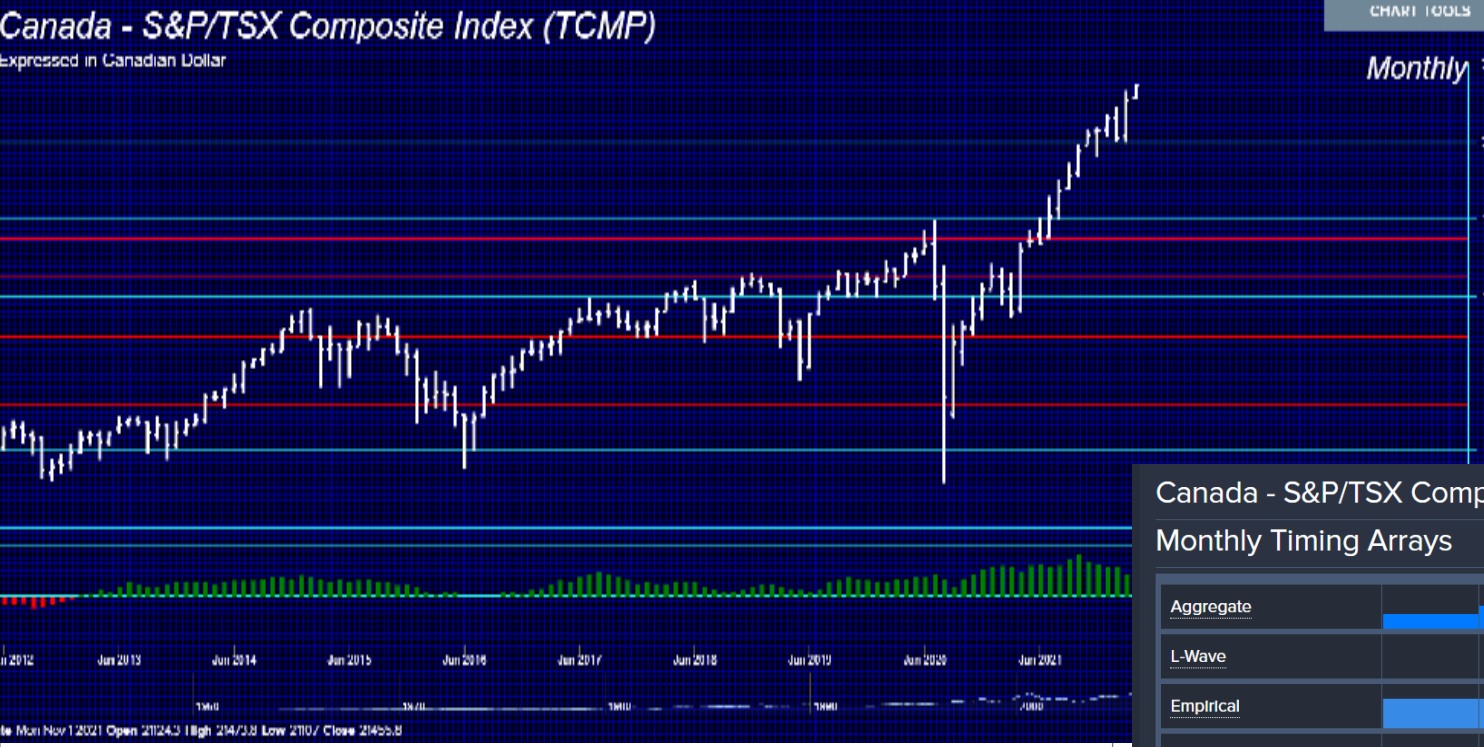
Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Bearish	Bearish	Bearish	Bearish	Down 1 Quarter

Canada - S&P/TSX Composite Index
Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024

TSX COMP (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		17,487.60	13,217.10
		16,534.80	
		14,934.60	

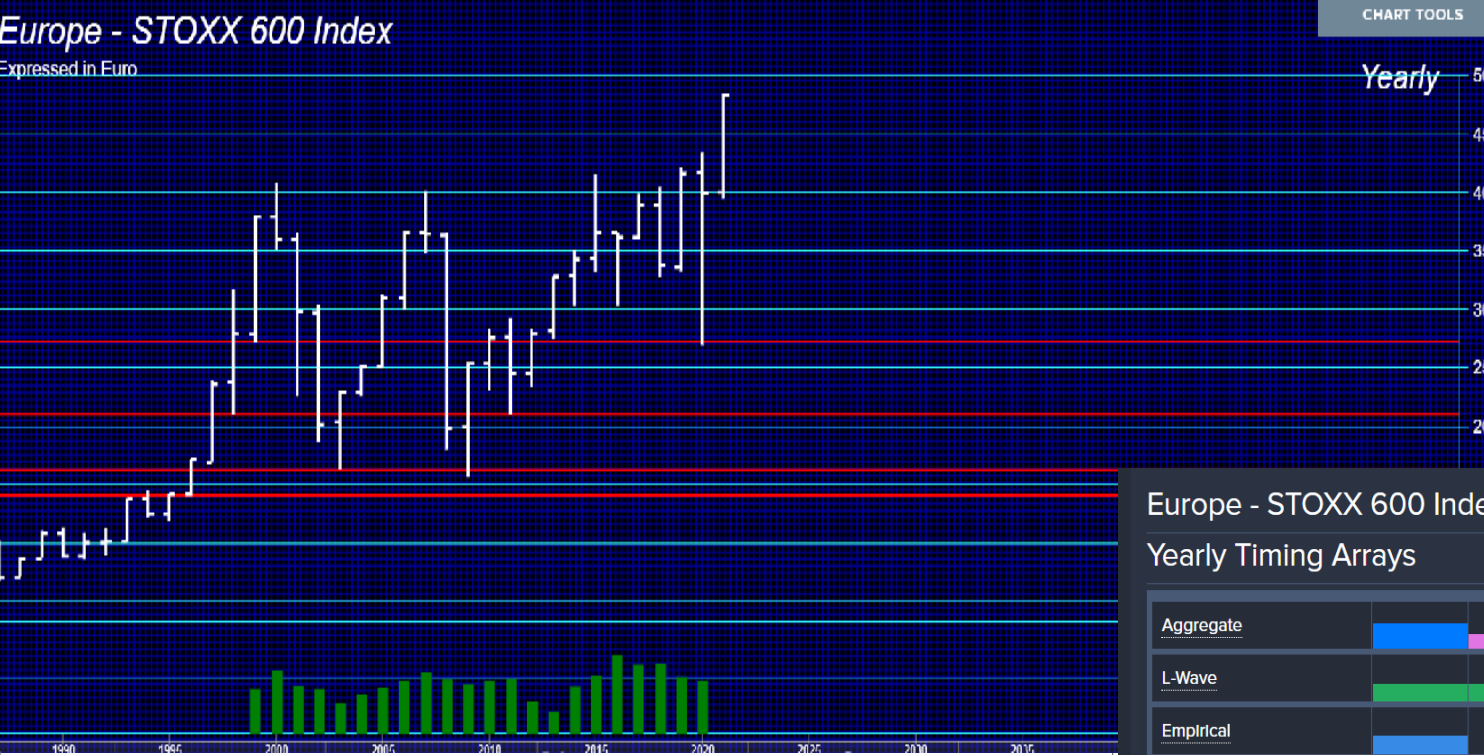
Canada - S&P/TSX Composite Index
Monthly Timing Arrays

Aggregate													
L-Wave													
Empirical													
Long Term													
Trading Cycle													
Direction Change													
Panic Cycle													
Internal Volatility													
Overnight Volatility													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Se	

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

STOXX 600 (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		140.30	271.80
			209.10
			162.10

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bearish	No Change

Europe - STOXX 600 Index
Yearly Timing Arrays

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Aggregate	Blue	Purple	Blue	Blue	Purple	Blue	Blue	Purple	Purple	Purple	Blue	Blue
L-Wave	Green	Green		Green	Purple	Green	Green	Purple			Green	Green
Empirical	Blue		Blue	Cyan	Blue	Blue	Blue	Cyan	Blue	Cyan	Blue	Blue
Long Term				Yellow								
Trading Cycle				Yellow		Red	Red	Yellow			Red	Green
Direction Change	Blue	Blue		Blue			Blue					
Panic Cycle								Yellow				
Internal Volatility		Red	Red		Red	Red	Red	Red	Red		Red	
Overnight Volatility				Yellow			Yellow		Yellow			Yellow

STOXX 600 (as of QUARTERLY close – Sept 2021)



CHART TOOLS
Quarterly

Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		365.80	
		361.06	
		343.10	
		315.50	

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

Europe - STOXX 600 Index Quarterly Timing Arrays

	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate	Blue	Blue	Pink	Blue	Pink	Blue	Pink	Pink	Blue	Blue	Pink	Pink
L-Wave						Green				Green	Green	
Empirical	Blue	Blue		Blue	Blue	Blue		Blue	Blue	Blue		Blue
Long Term				Yellow			Yellow			Yellow		Yellow
Trading Cycle		Green				Yellow	Red	Red	Green		Red	
Direction Change		Blue	Blue				Blue			Blue		
Panic Cycle									Yellow			
Internal Volatility							Red					Red
Overnight Volatility												

STOXX 600 (as of MONTHLY close – Oct 2021)



CHART TOOLS

Monthly

Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		429.50	315.50
		381.50	
		378.00	
		318.80	

Europe - STOXX 600 Index Monthly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bearish	No Change

FTSE (as of YEARLY close – 2020)

UK - FTSE 100 Index (^FTSE)

Expressed in British Pound

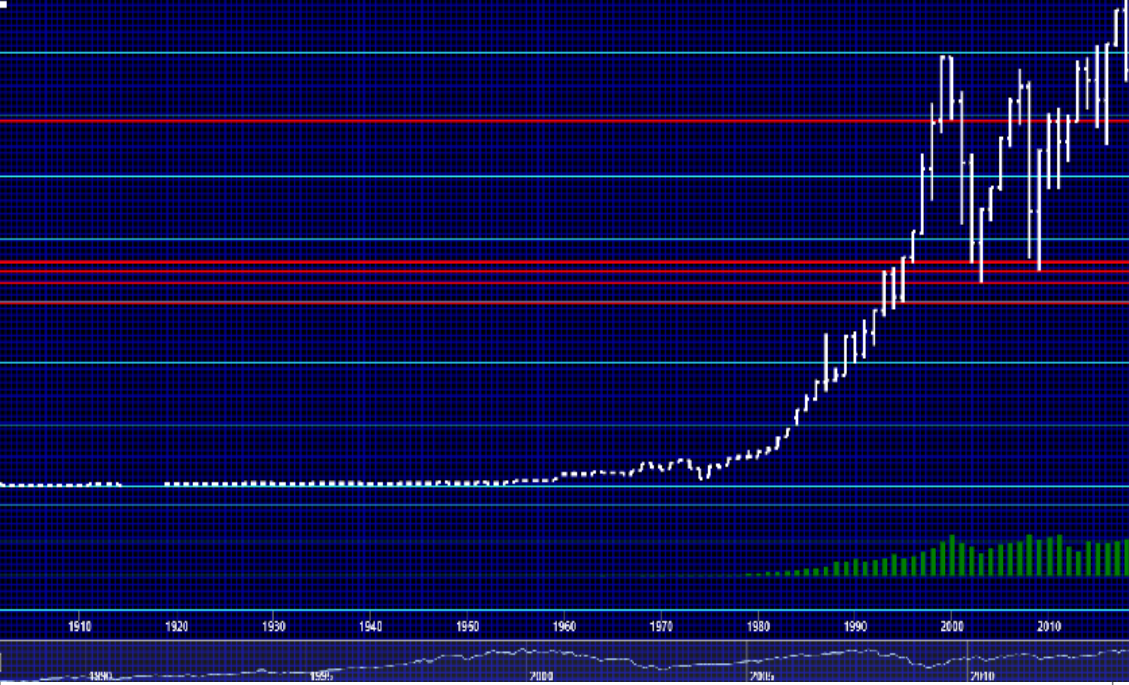


CHART TOOLS
Yearly

Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		5,897.70	3,277.40
		3,609.80	
		3,460.60	
		2,949.30	

UK - FTSE 100 Index

Yearly Timing Arrays

Aggregate		Blue		Purple	Blue	Blue	Blue	Blue	Purple	Blue	Purple	Purple	Blue
L-Wave		Green		Purple	Green	Green	Green	Green	Green	Purple	Green	Green	Green
Empirical		Blue		Cyan	Cyan	Blue	Blue	Cyan	Blue	Blue	Cyan	Cyan	Blue
Long Term		Yellow		Orange	Yellow	Yellow	Orange	Yellow	Yellow	Yellow	Orange	Yellow	Orange
Trading Cycle		Red		Yellow	Red	Red	Red	Green	Red	Red	Red	Red	Green
Direction Change		Blue			Blue	Blue							
Panic Cycle													
Internal Volatility					Red	Red		Red	Red	Red	Brown	Red	Red
Overnight Volatility						Yellow						Yellow	
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Bullish	Bullish	Bullish	Bearish	Down 1 Year

FTSE (as of QUARTERLY close – Sept 2021)

Time-Level Full Screen Price Chart

with
Horizontal Reversal Lines
(M>H>R)

And
Energy Model
(M>T>E)

Time-Level Reversal Table
from "Dashboard" tab in Premium Tools

Time-Level Array Table
from "Arrays" tab in Premium Tools

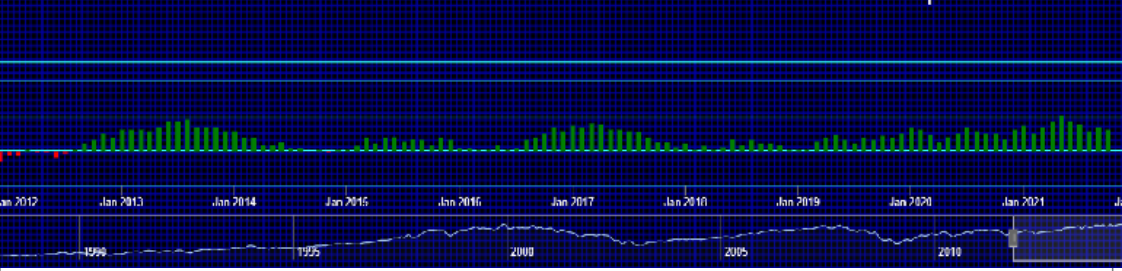
Time-Level Indicating Ranges Table
from "Dashboard" tab in Premium Tools

FTSE (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
7,447.00	7,469.30	7,197.20	5,572.20
7,546.30	7,547.80	6,948.50	
	7,583.00	6,407.40	
		5,952.30	



Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Neutral	Bullish	No Change

UK - FTSE 100 Index Monthly Timing Arrays

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Aggregate	Blue	Purple	Blue	Blue	Blue	Purple	Blue	Purple	Blue	Purple	Blue	Purple
L-Wave		Green	Green	Green	Green	Purple	Green	Green	Green	Purple	Green	Purple
Empirical	Blue	Cyan	Blue	Blue	Cyan	Blue	Blue	Blue	Cyan	Blue	Blue	Cyan
Long Term	Yellow	Orange	Yellow	Yellow	Yellow	Orange	Yellow	Orange	Yellow	Orange	Yellow	Orange
Trading Cycle			Green		Green							Red
Direction Change						Blue						
Panic Cycle						Yellow						
Internal Volatility		Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
Overnight Volatility		Blue	Yellow	Blue	Yellow	Blue	Yellow	Blue	Yellow	Blue	Yellow	Blue

DAX (as of YEARLY close – 2020)

Germany - DAX Index (^GDAX)

Expressed in Euro

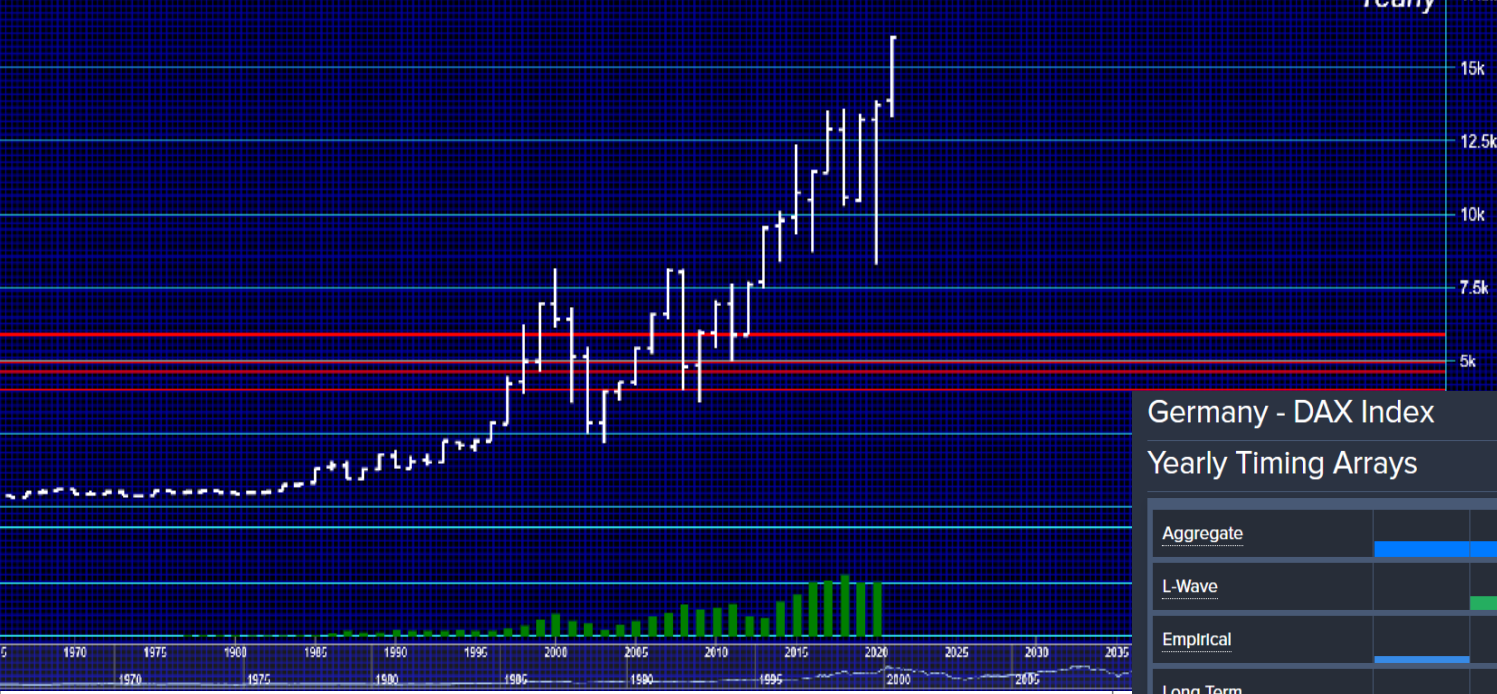


CHART TOOLS

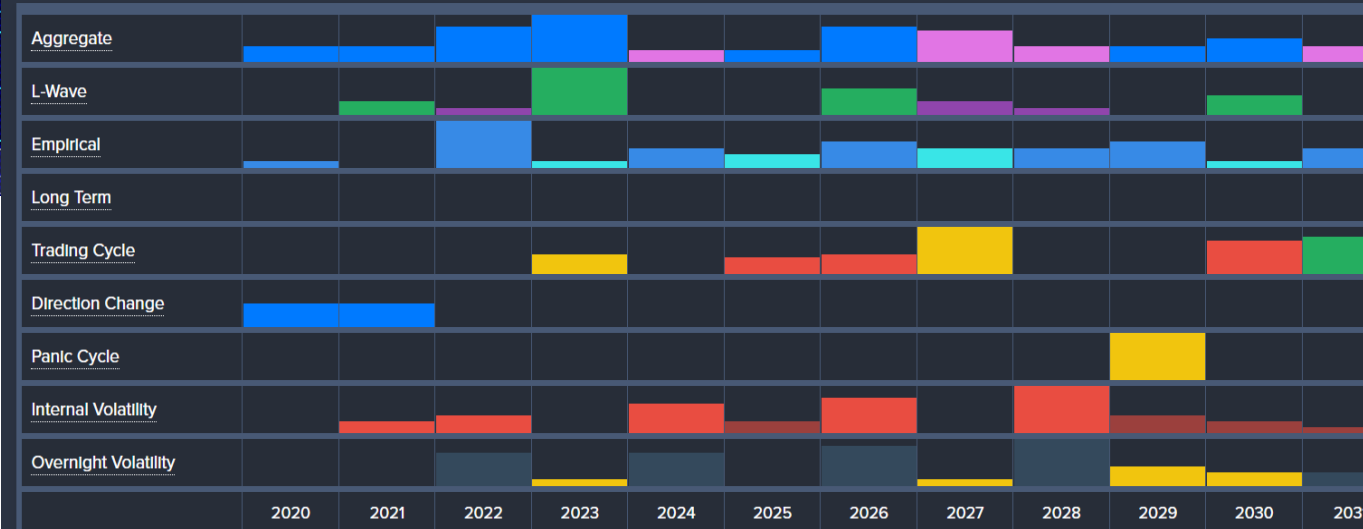
Yearly

Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		5,900.00	4,965.70
			4,605.10
			4,014.50

Germany - DAX Index

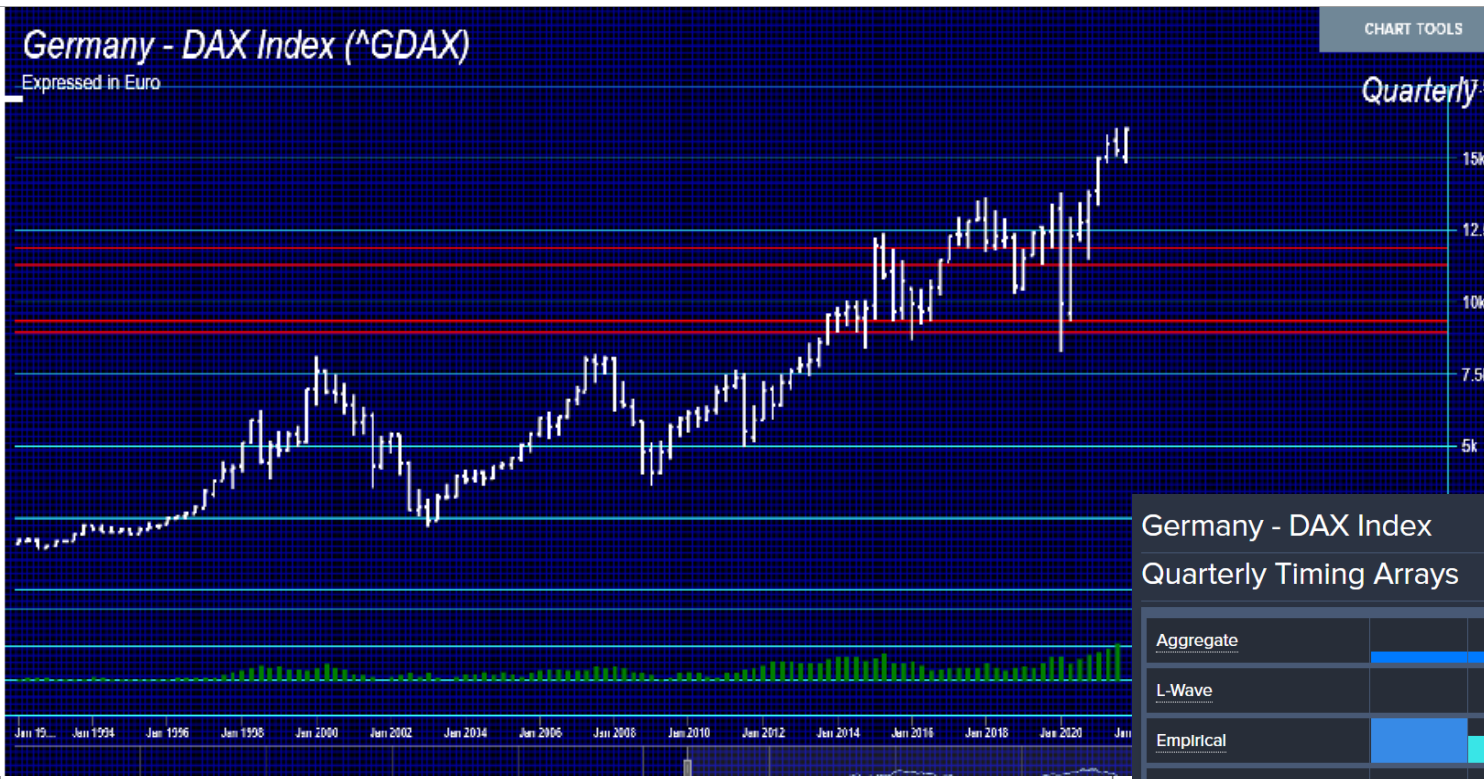
Yearly Timing Arrays



Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bearish	No Change

DAX (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		11,868.70	8,913.10
		11,266.30	
		9,325.04	

Germany - DAX Index Quarterly Timing Arrays

	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
L-Wave					Green				Green			
Empirical	Blue	Cyan	Cyan	Blue	Blue	Blue	Blue	Blue	Blue	Cyan	Blue	Blue
Long Term			Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Trading Cycle		Green		Red	Yellow	Red	Red	Green		Red		
Direction Change							Blue		Blue			
Panic Cycle												
Internal Volatility							Red					Red
Overnight Volatility								Blue				

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

DAX (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		15,032.40	11,051.03
		13,009.30	9,407.08
		11,869.10	

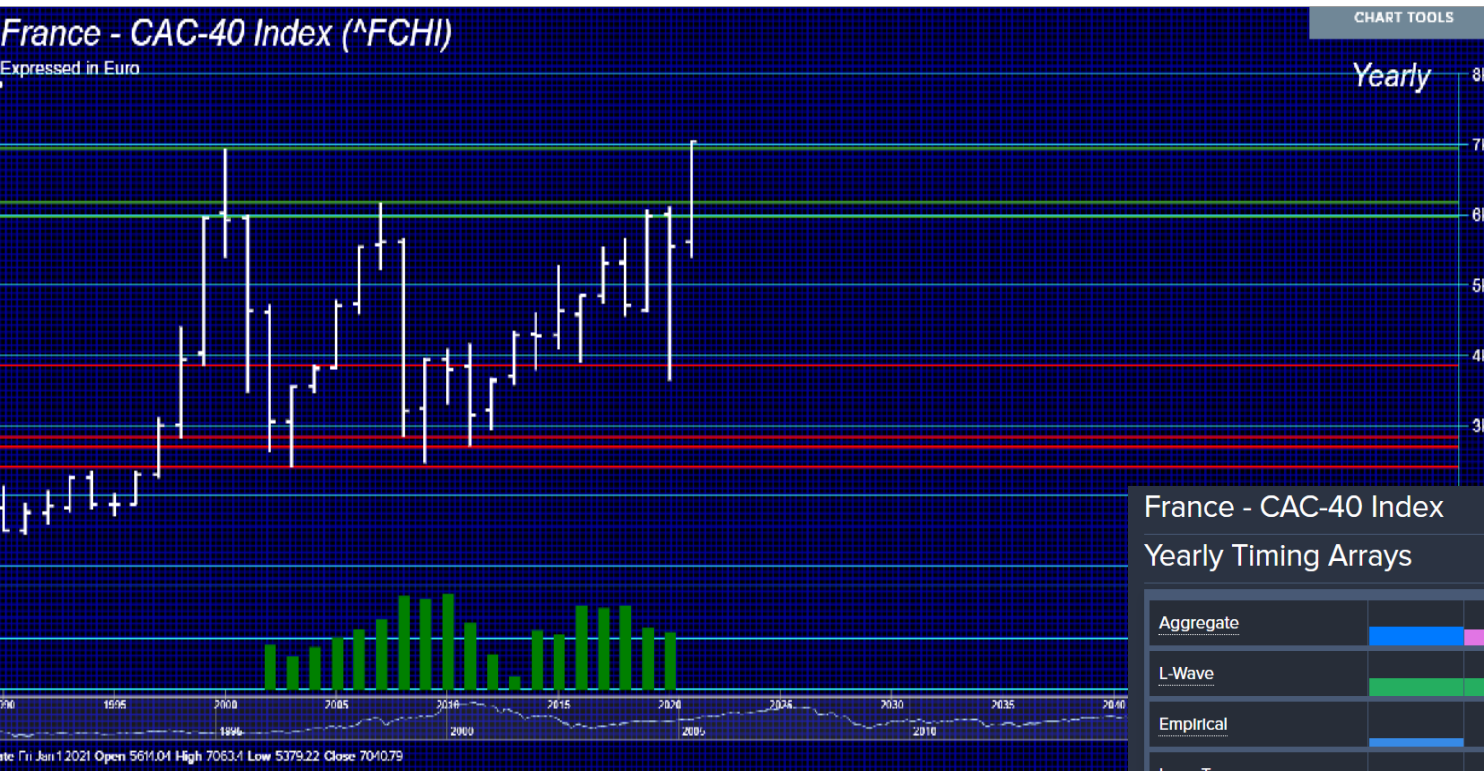
Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Bullish	Bullish	Bullish	Bearish	No Change

Germany - DAX Index Monthly Timing Arrays

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Aggregate	Blue	Blue	Pink	Blue	Blue	Pink	Pink	Blue	Pink	Pink	Blue	Pink
L-Wave	Green	Green			Green	Green	Purple	Green	Purple			Green
Empirical	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
Long Term	Yellow	Yellow	Orange	Yellow	Yellow	Orange	Orange	Yellow	Yellow	Orange	Yellow	Yellow
Trading Cycle			Green		Yellow							
Direction Change		Blue										
Panic Cycle										Yellow		
Internal Volatility		Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
Overnight Volatility								Yellow			Yellow	

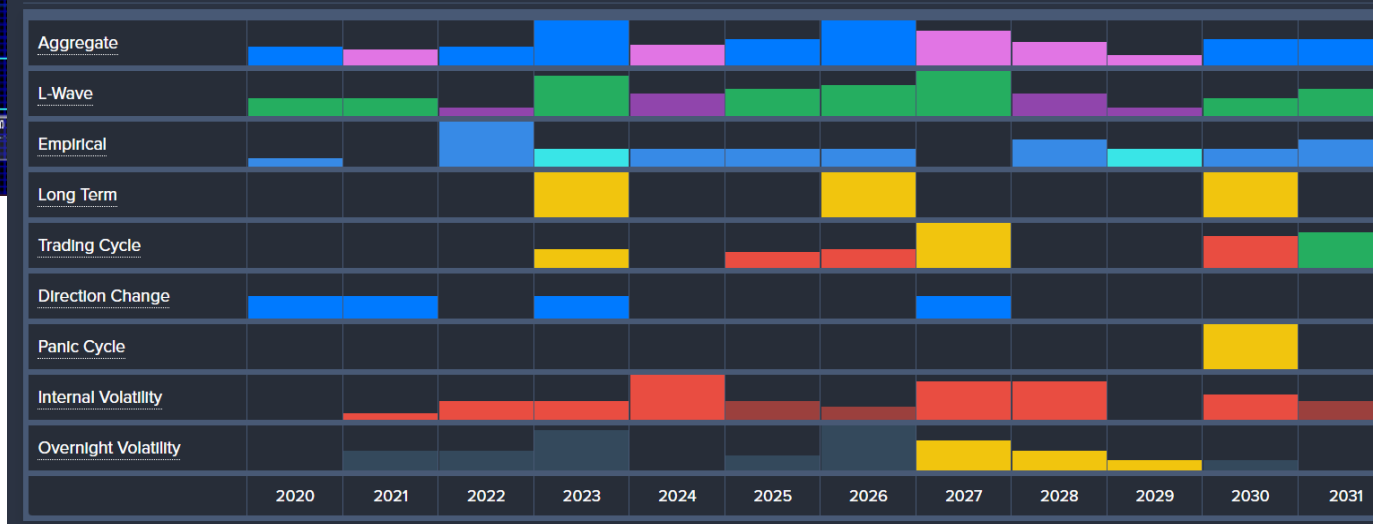
CAC-40 (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
5,979.60	6,168.20	2,401.00	3,845.60
	6,944.80		2,838.40
			2,693.10

France - CAC-40 Index
Yearly Timing Arrays

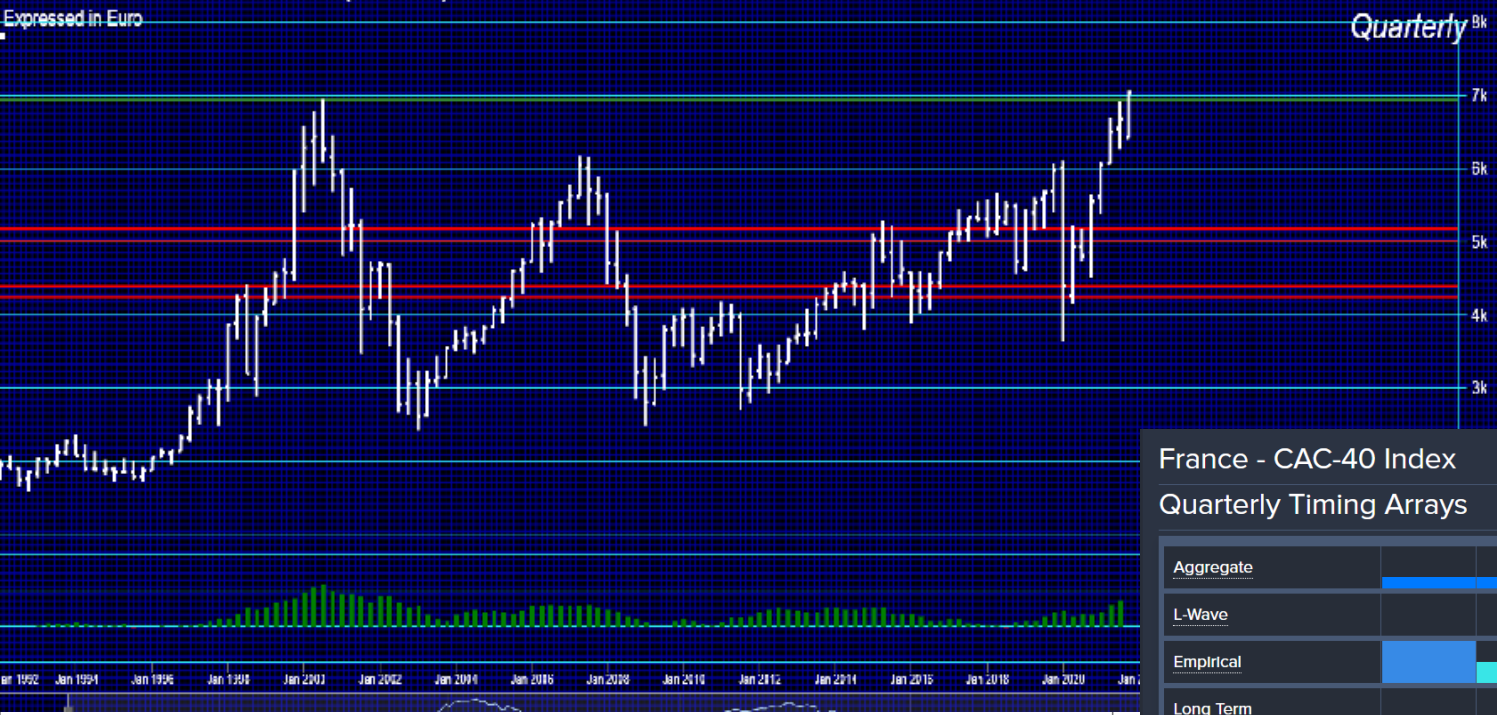


Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bearish	No Change

CAC-40 (as of QUARTERLY close – Sept 2021)

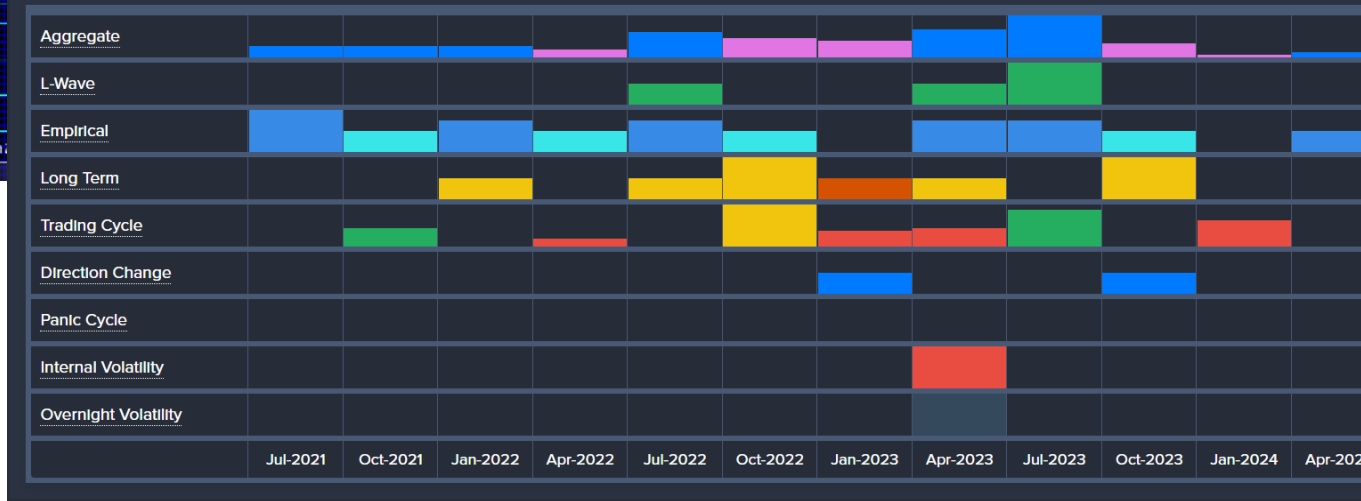
France - CAC-40 Index (^FCHI)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	6,944.80	5,170.60	4,230.30
		4,995.06	
		4,386.00	

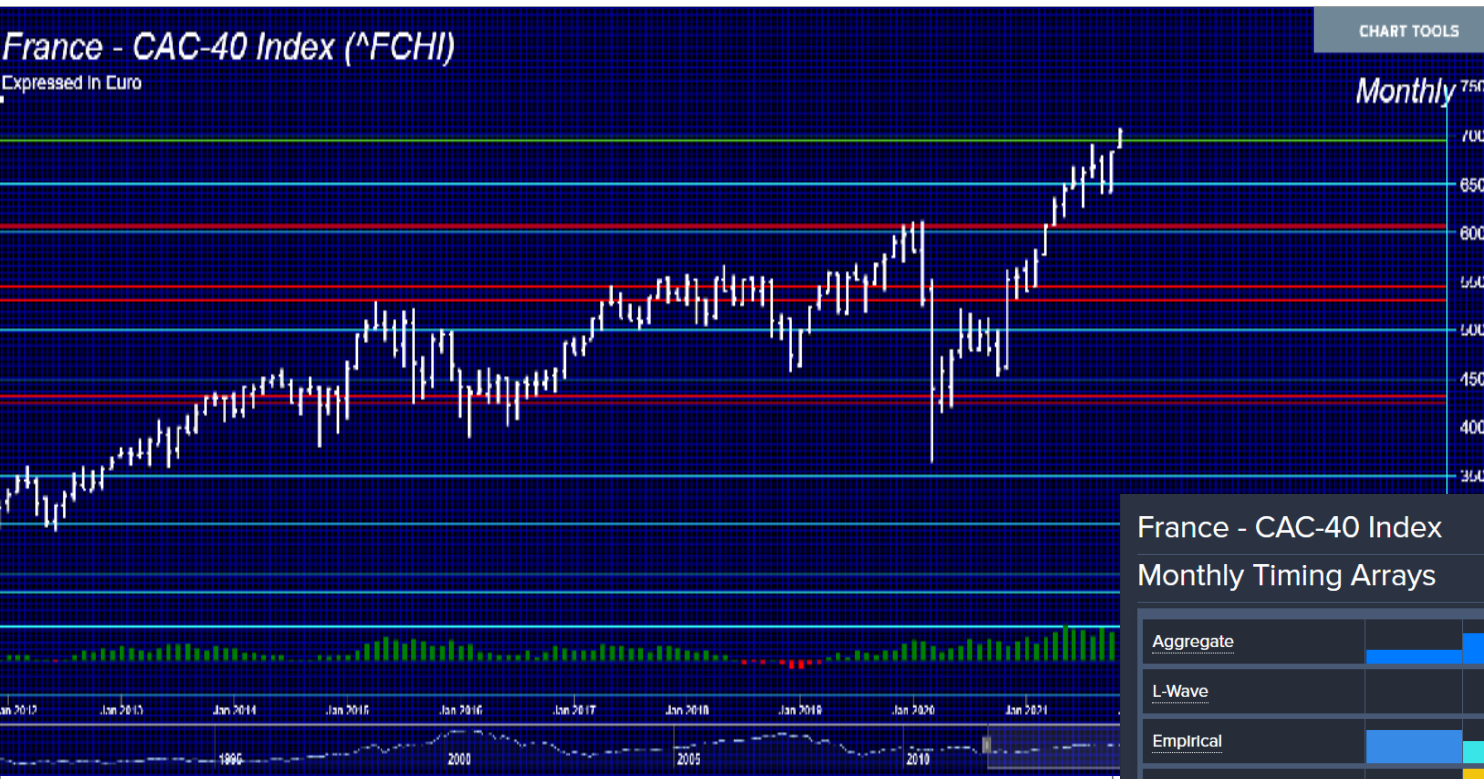
France - CAC-40 Index Quarterly Timing Arrays



Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

CAC-40 (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	6,944.80	6,063.70	4,310.70
		5,441.00	4,230.30
		5,306.40	

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

France - CAC-40 Index Monthly Timing Arrays

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Aggregate		Blue	Blue	Blue	Blue	Pink	Pink	Pink	Blue	Pink	Blue	Pink
L-Wave			Green	Green	Purple		Green	Purple	Green		Green	Green
Empirical	Blue	Cyan	Blue	Cyan		Blue	Blue	Cyan	Blue	Cyan	Blue	Cyan
Long Term	Yellow	Yellow		Yellow	Yellow	Yellow	Orange	Yellow	Yellow		Yellow	Orange
Trading Cycle			Green		Yellow							
Direction Change		Blue	Blue			Blue						
Panic Cycle				Yellow								Yellow
Internal Volatility		Red	Red	Red	Red		Red	Red	Red	Red		Red
Overnight Volatility			Yellow					Yellow		Yellow	Yellow	Yellow

NIKKEI (as of YEARLY close – 2020)



CHART TOOLS

Yearly

Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	30,264.40	14,488.10	14,194.30
	38,950.80	10,299.30	13,122.50

Japan - NIKKEI Tokyo Index Yearly Timing Arrays

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Aggregate			Blue				Blue			Blue		Blue
L-Wave		Green		Green		Green		Green		Green		Green
Empirical			Blue		Blue		Blue		Blue		Blue	Blue
Long Term											Yellow	Yellow
Trading Cycle												Green
Direction Change						Blue						
Panic Cycle												
Internal Volatility		Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
Overnight Volatility				Yellow			Yellow			Yellow		

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

NIKKEI (as of QUARTERLY close – Sept 2021)



CHART TOOLS

Quarterly

Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
33,345.00	38,957.50	19,241.20	15,106.40
		18,927.80	
		18,650.20	
		16,358.00	

Japan - NIKKEI Tokyo Index Quarterly Timing Arrays

	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate	Blue	Blue	Blue	Pink	Blue	Pink	Blue	Pink	Blue	Blue	Pink	Blue
L-Wave						Green						Green
Empirical	Blue	Blue	Cyan		Blue	Cyan	Blue		Blue	Cyan	Blue	Blue
Long Term					Yellow		Yellow		Yellow		Orange	
Trading Cycle		Red		Red	Red	Red			Red		Red	
Direction Change							Blue	Blue				
Panic Cycle									Yellow			
Internal Volatility							Red					Red
Overnight Volatility												

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bearish	No Change

NIKKEI (as of MONTHLY close – Oct 2021)



CHART TOOLS

Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
31,371.60	29,579.90	27,385.02	22,948.30
	30,486.00	27,002.00	21,529.70
	30,524.20		21,276.00
	33,345.00		

Japan - NIKKEI Tokyo Index Monthly Timing Arrays

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Aggregate		Blue	Blue	Blue	Pink	Blue	Pink	Blue	Pink	Pink	Blue	Pink
L-Wave			Green	Green	Green	Green		Green		Green		Green
Empirical	Blue	Blue	Cyan	Blue	Cyan	Blue	Blue	Cyan	Blue	Blue	Blue	Cyan
Long Term		Yellow	Orange	Yellow	Yellow	Yellow		Yellow	Yellow		Yellow	Orange
Trading Cycle			Yellow		Yellow							Yellow
Direction Change		Blue										
Panic Cycle		Yellow										
Internal Volatility		Red	Red	Red	Red		Red	Red	Red	Red	Red	Red
Overnight Volatility					Yellow			Yellow		Yellow		Yellow

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Neutral	Neutral	Bullish	Bullish	Bearish	No Change

SHANGHAI (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	5,179.00	2,134.02	
		1,307.39	
		1,047.83	

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Bullish	Bullish	Bullish	Bullish	No Change

China - Shanghai Composite Yearly Timing Arrays

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Aggregate	Blue	Blue/Pink	Blue	Blue	Blue/Pink	Blue	Blue	Blue	Blue	Blue/Pink	Blue	Blue/Pink
L-Wave		Green		Green		Green		Green		Green		Green
Empirical	Blue		Blue	Cyan	Blue		Blue	Cyan		Blue		Blue
Long Term					Yellow					Yellow		Yellow
Trading Cycle	Red						Green					
Direction Change			Blue									
Panic Cycle											Yellow	
Internal Volatility		Red		Red			Red	Red		Red		
Overnight Volatility						Yellow				Yellow		

SHANGHAI (as of QUARTERLY close – Sept 2021)



CHART TOOLS

Quarterly

Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
3,835.57	5,560.42	3,016.53	
5,179.00		2,850.71	
6,124.05		2,646.80	
		2,440.91	
		2,132.63	

China - Shanghai Composite Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

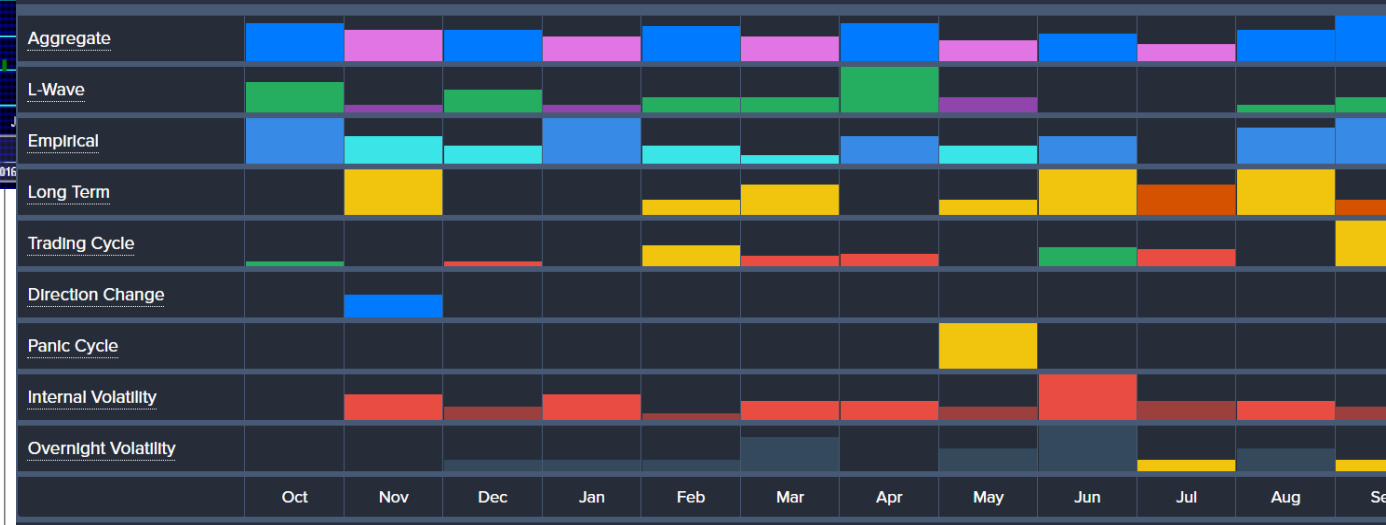
SHANGHAI (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
3,577.62	3,731.69	3,446.55	3,202.34
4,695.80	4,006.34	3,384.70	
		3,219.42	
		2,930.83	

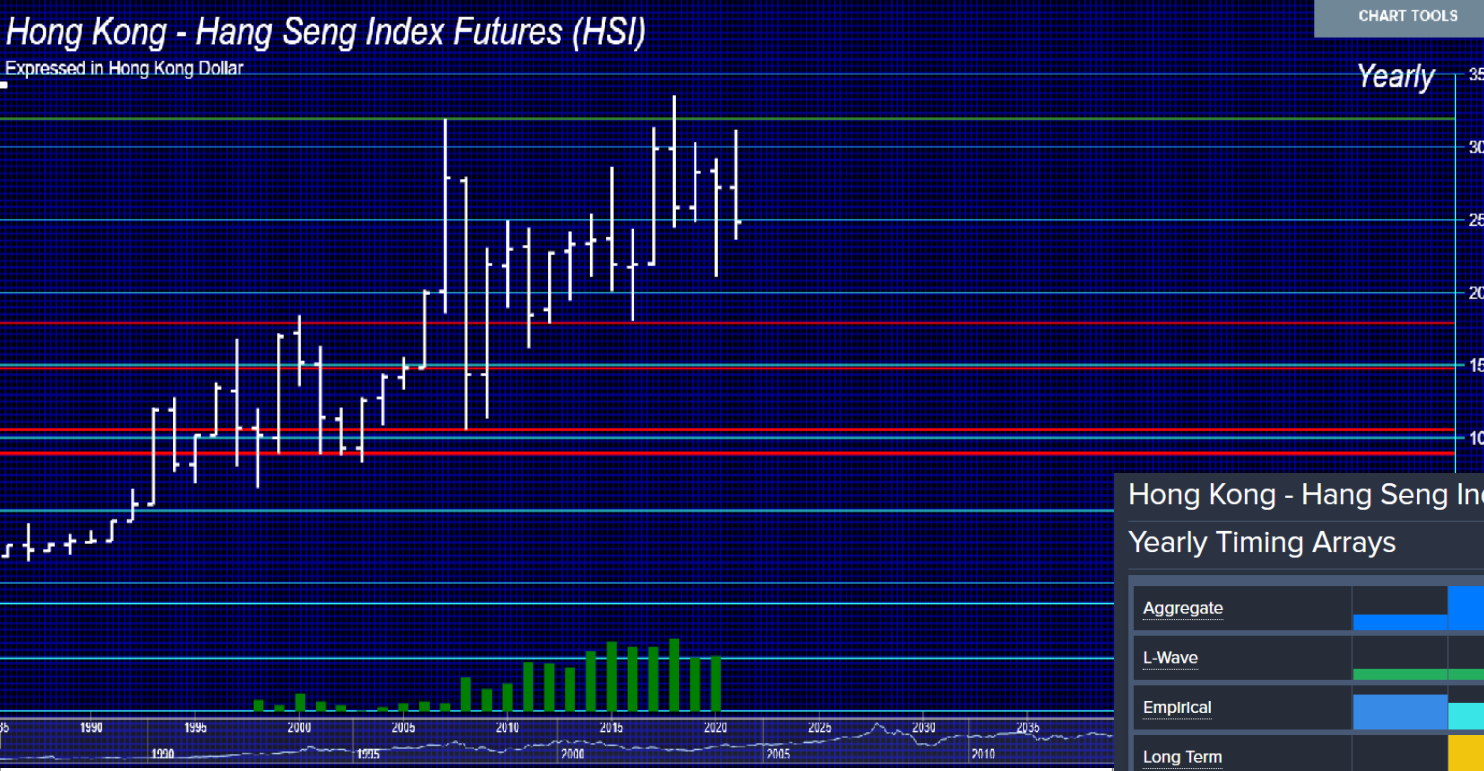
China - Shanghai Composite
Monthly Timing Arrays



Monthly Indicating Ranges

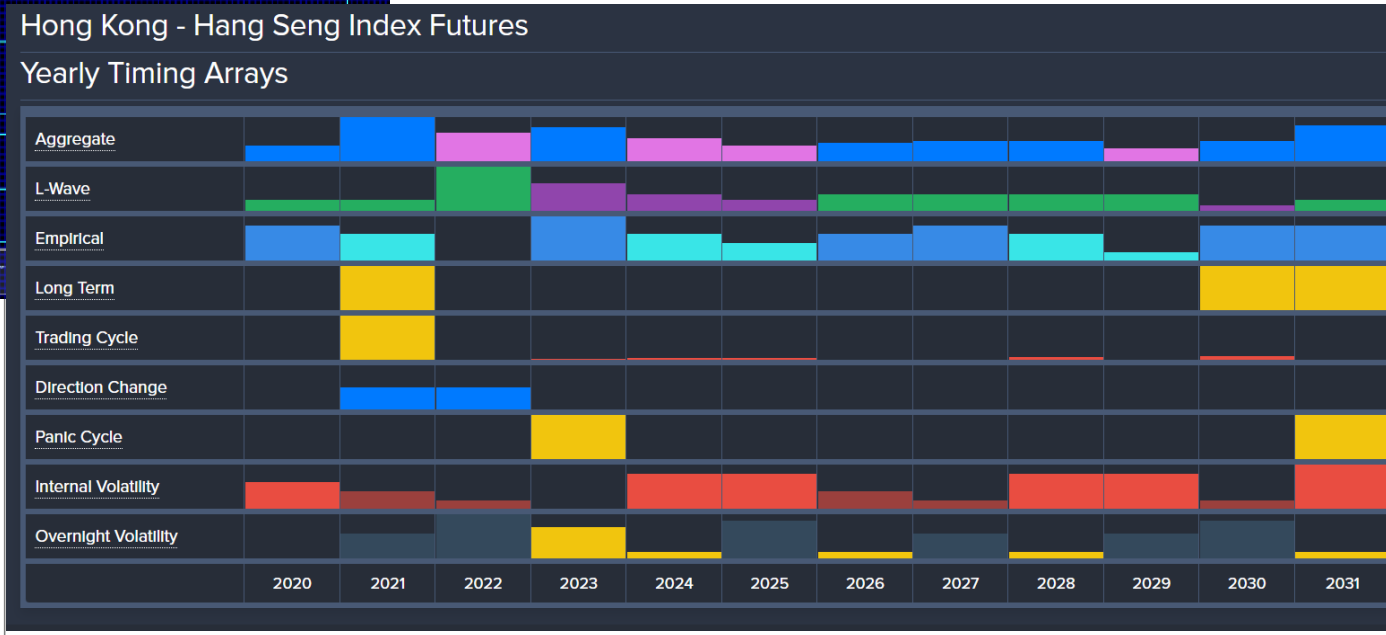
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Neutral	Bullish	Bullish	Bearish	No Change

HANG SENG (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
31,948.00		17,855.00	14,809.00
		10,566.00	8,954.00
		8,867.00	



Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Neutral	Bullish	Bullish	Bullish	Bearish	No Change

HANG SENG (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
29,630.00	28,225.00	24,875.00	21,050.00
	29,080.00	22,404.00	
	31,341.00	22,094.00	
		20,964.00	

Hong Kong - Hang Seng Index Futures Quarterly Timing Arrays

	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Neutral	Neutral	Bullish	Bearish	Down 1 Quarter

HANG SENG (as of MONTHLY close – Oct 2021)

Hong Kong - Hang Seng Index Futures (HSI)

Expressed in Hong-Kong Dollar

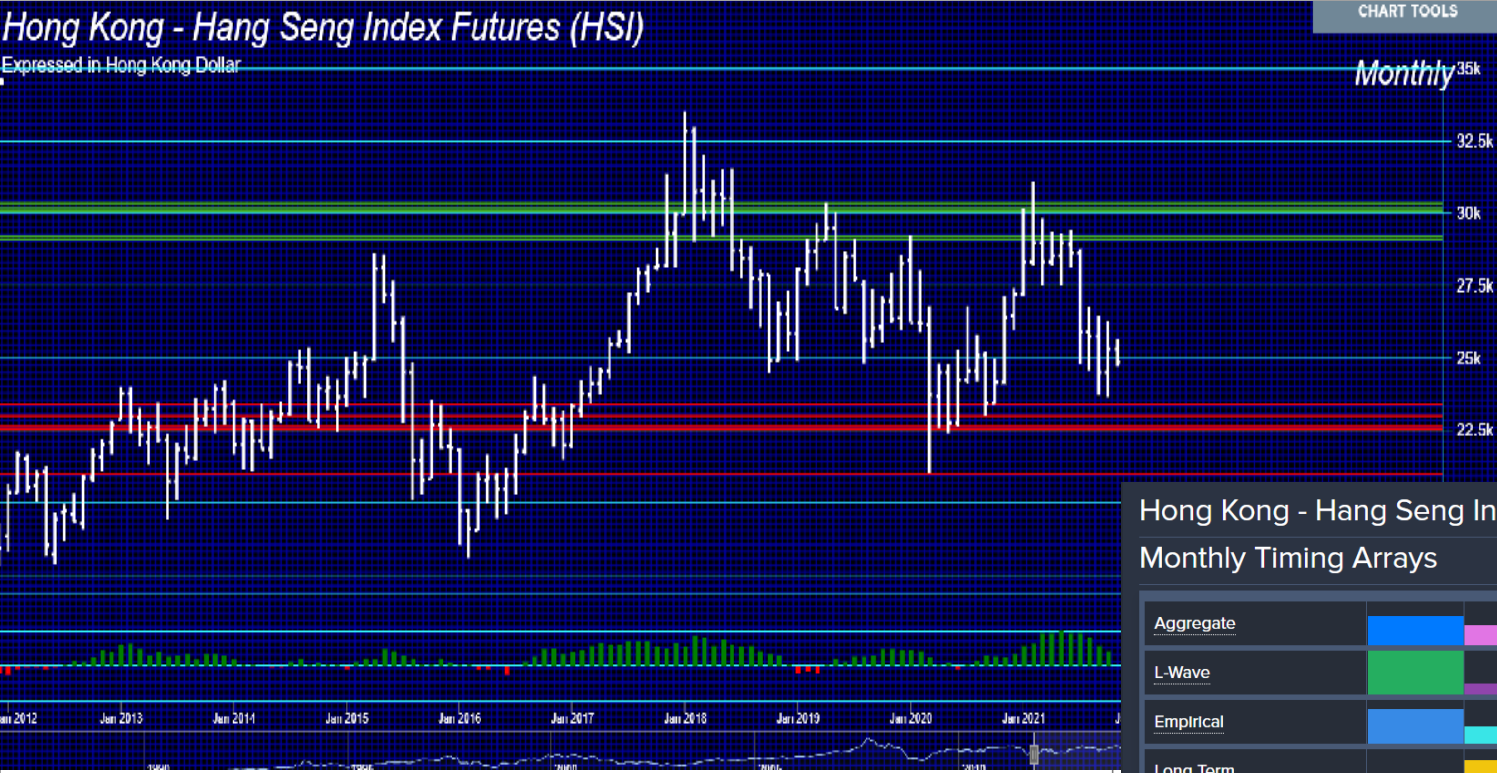


CHART TOOLS

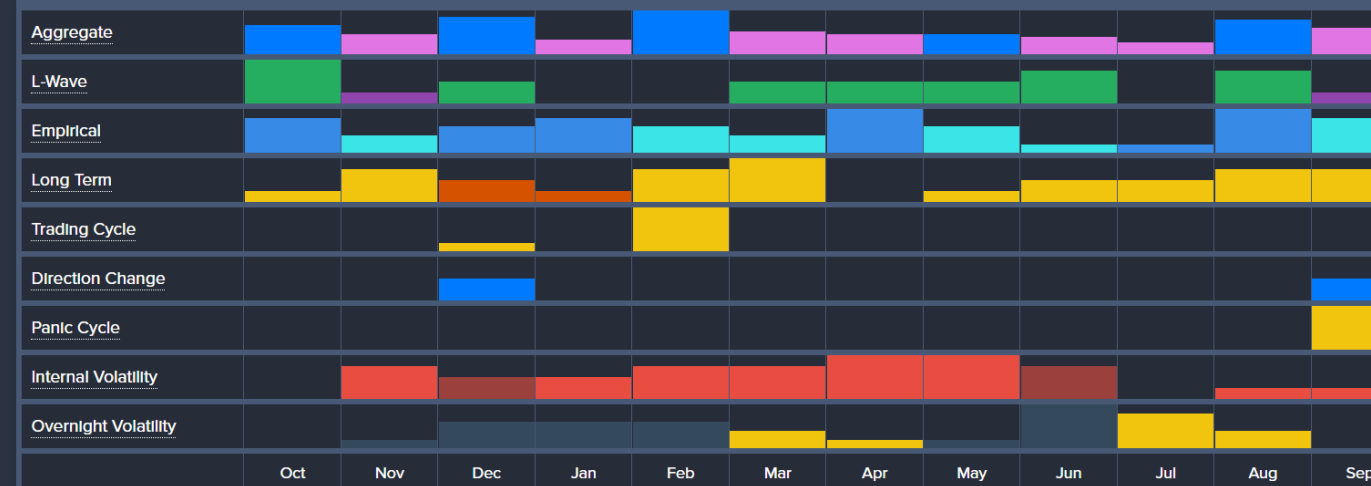
Monthly 35k

Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
29,080.00	29,222.00	23,384.00	22,963.00
	30,047.00	22,612.00	20,964.00
	30,158.00	22,510.00	
	30,336.00		

Hong Kong - Hang Seng Index Futures

Monthly Timing Arrays



Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bearish	Bearish	Bullish	Bearish	Bearish	No Change

ASX 50 (as of YEARLY close – 2020)

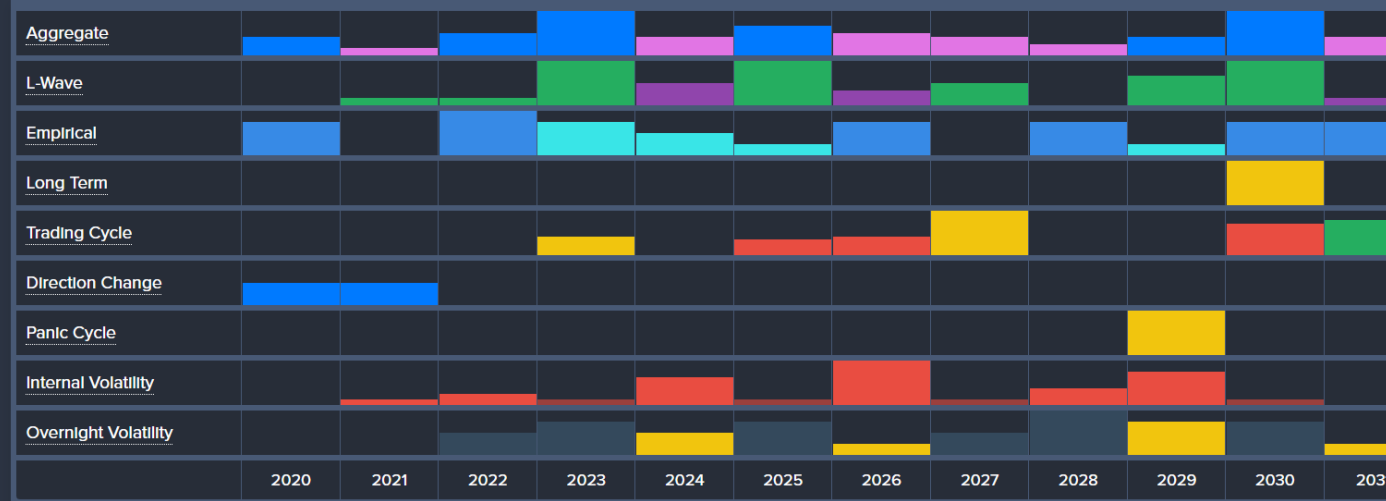


CHART TOOLS

Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	6,662.60	2,719.10	3,750.60
		2,717.30	3,223.70

Australia - S&P / ASX 50 Index
Yearly Timing Arrays



Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bearish	No Change

ASX 50 (as of QUARTERLY close – Sept 2021)

Australia - S&P / ASX 50 Index

Expressed in Australian Dollar

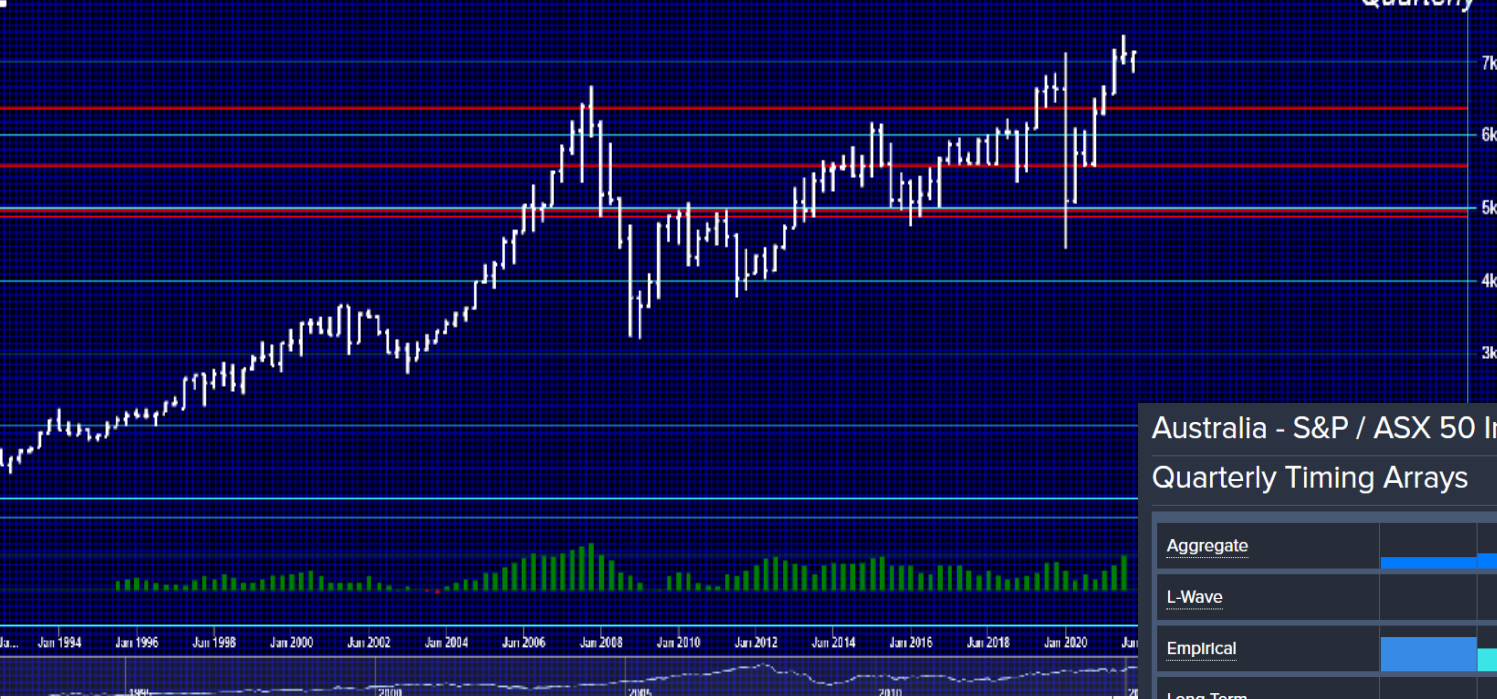


CHART TOOLS

Quarterly

Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		6,364.30	4,868.70
		5,580.20	
		4,950.04	

Australia - S&P / ASX 50 Index

Quarterly Timing Arrays

	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Pink	Blue	Blue	Pink	Blue
L-Wave						Green						Green
Empirical	Blue	Cyan	Blue	Blue	Blue	Blue	Blue				Blue	Cyan
Long Term					Yellow				Yellow	Yellow		Yellow
Trading Cycle		Green	Red		Yellow	Red	Red	Green			Red	
Direction Change							Blue				Blue	
Panic Cycle									Yellow			
Internal Volatility								Red				
Overnight Volatility							Blue					

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

ASX 50 (as of MONTHLY close – Oct 2021)

Australia - S&P / ASX 50 Index

Expressed in Australian Dollar

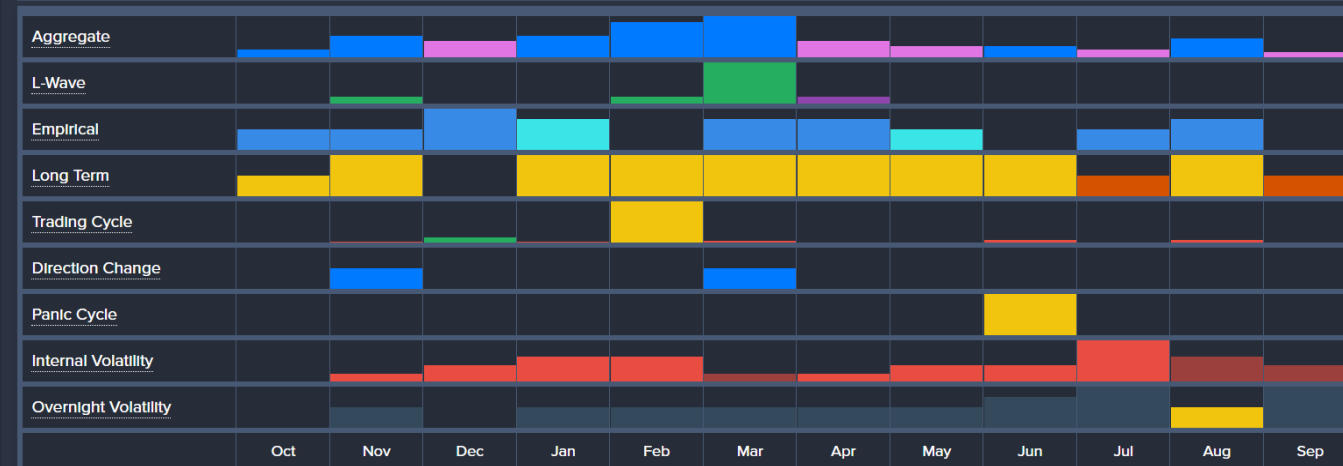


Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	7,179.30	6,552.30	5,040.00
		6,464.80	
		6,264.70	
		5,039.20	

Australia - S&P / ASX 50 Index

Monthly Timing Arrays



Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Bullish	Bullish	Bullish	Bearish	No Change

GLOBAL COMMODITIES

2021 WEC Global Markets Overview

GOLD (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		1,045.30	
		680.00	
		602.00	
		517.50	

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

NY Gold Nearest Futures Yearly Timing Arrays

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

GOLD (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	1,805.00	1,446.10	1,141.50
		1,267.20	
		1,214.20	
		1,202.40	

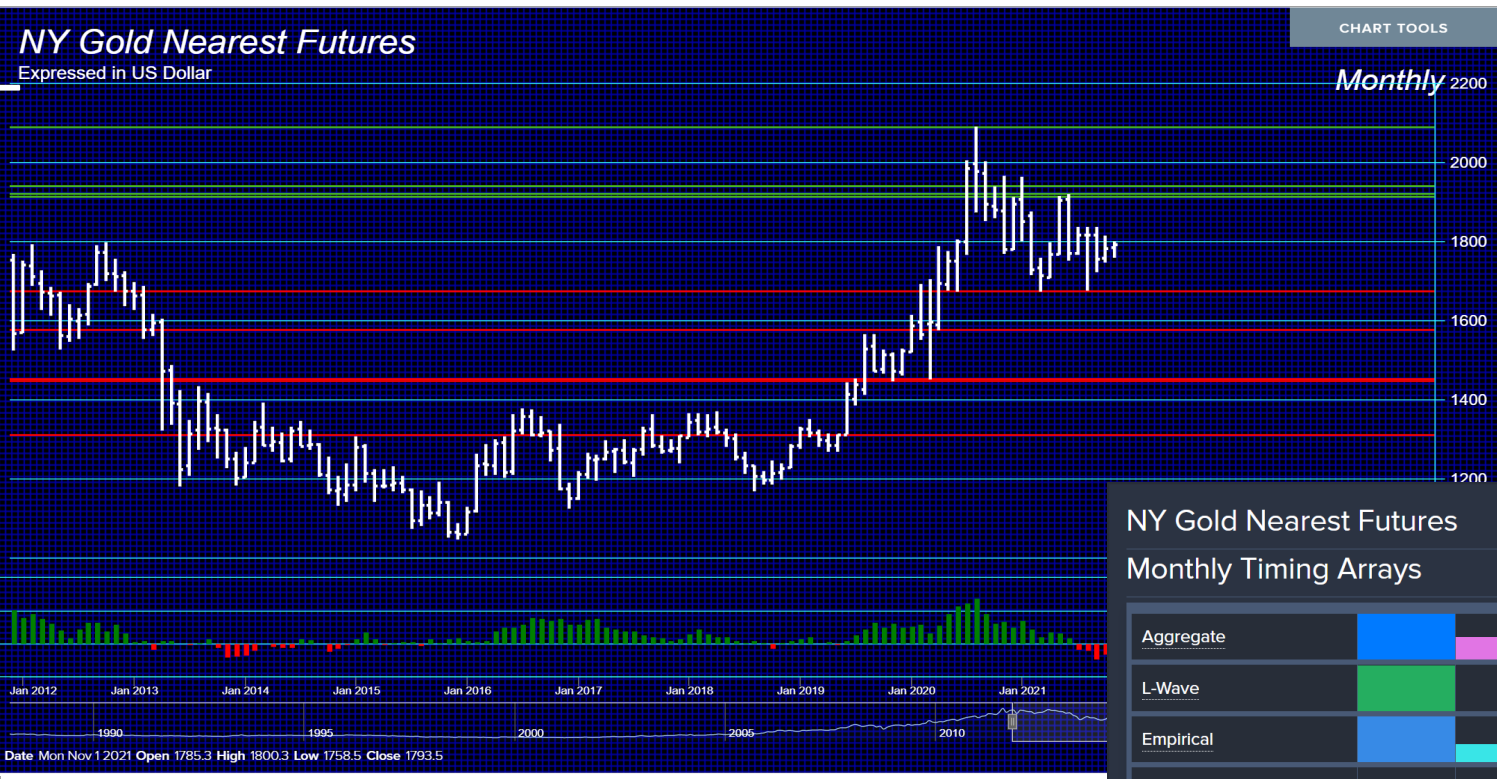
Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Neutral	Bullish	Bullish	Bearish	No Change

NY Gold Nearest Futures Quarterly Timing Arrays

	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate	Blue	Blue	Purple	Purple	Blue	Purple	Blue	Blue	Blue	Purple	Blue	Blue
L-Wave						Green						Green
Empirical		Blue	Cyan	Cyan	Blue	Blue	Cyan		Blue	Blue	Blue	Blue
Long Term		Yellow	Orange		Yellow			Yellow	Yellow			Yellow
Trading Cycle	Green							Red	Red			
Direction Change	Blue		Blue									
Panic Cycle												Yellow
Internal Volatility								Red				
Overnight Volatility						Blue				Blue	Blue	

GOLD (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1,913.00	1,919.30	1,575.00	1,673.20
1,939.50	2,089.30	1,450.80	1,446.10
		1,310.80	

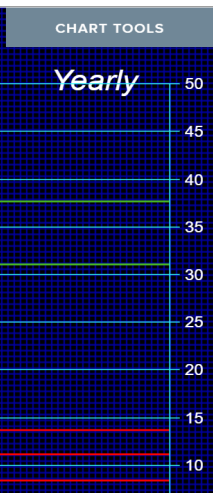
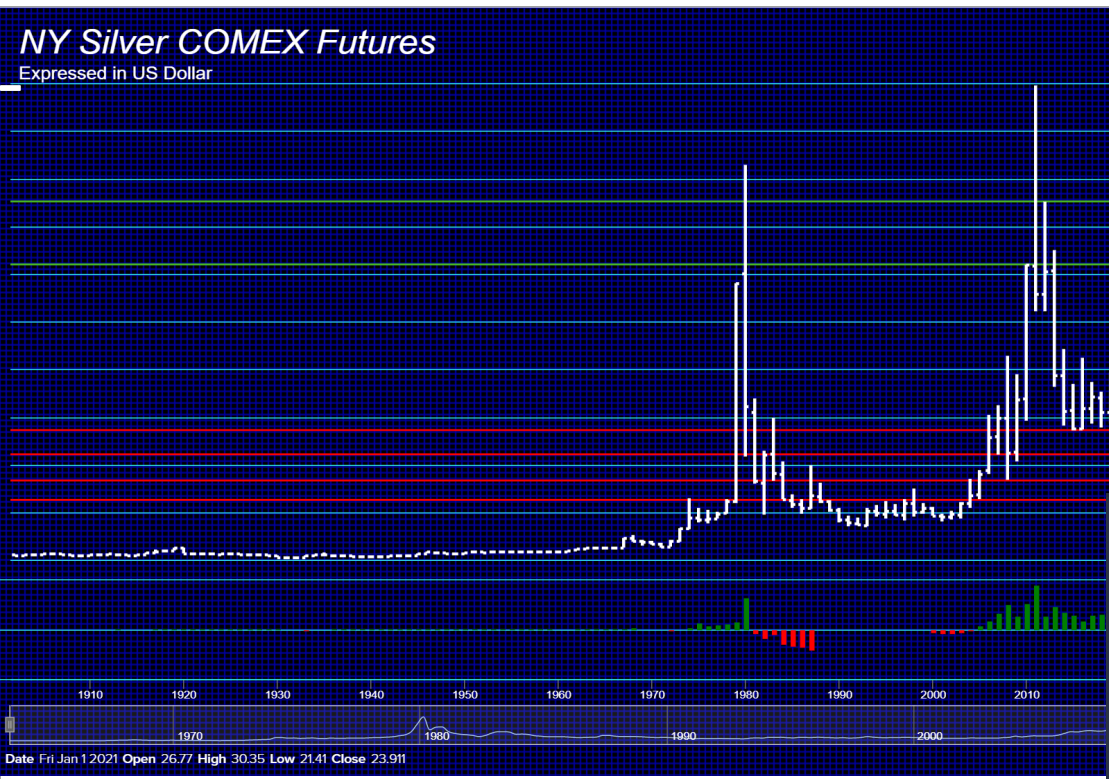
NY Gold Nearest Futures Monthly Timing Arrays

Aggregate	Blue	Pink	Blue	Pink	Blue	Pink	Blue	Pink	Blue	Pink	Blue	Pink
L-Wave	Green		Green	Green	Green	Purple	Green	Green	Green	Purple	Green	
Empirical	Blue	Cyan	Blue	Blue	Cyan	Blue	Blue	Cyan	Blue	Cyan	Blue	Cyan
Long Term		Yellow	Yellow		Yellow		Yellow		Yellow	Orange	Yellow	Orange
Trading Cycle	Green				Green		Yellow		Red			
Direction Change	Blue	Blue								Blue		
Panic Cycle						Yellow						
Internal Volatility		Red		Red	Red	Red	Red	Red	Red	Red	Red	Red
Overnight Volatility				Yellow			Yellow					
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Se

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Neutral	Neutral	Bearish	Bullish	Bullish	No Change

SILVER (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	30.9760	13.6100	
	37.5900	11.0500	
		8.3000	
		6.3400	

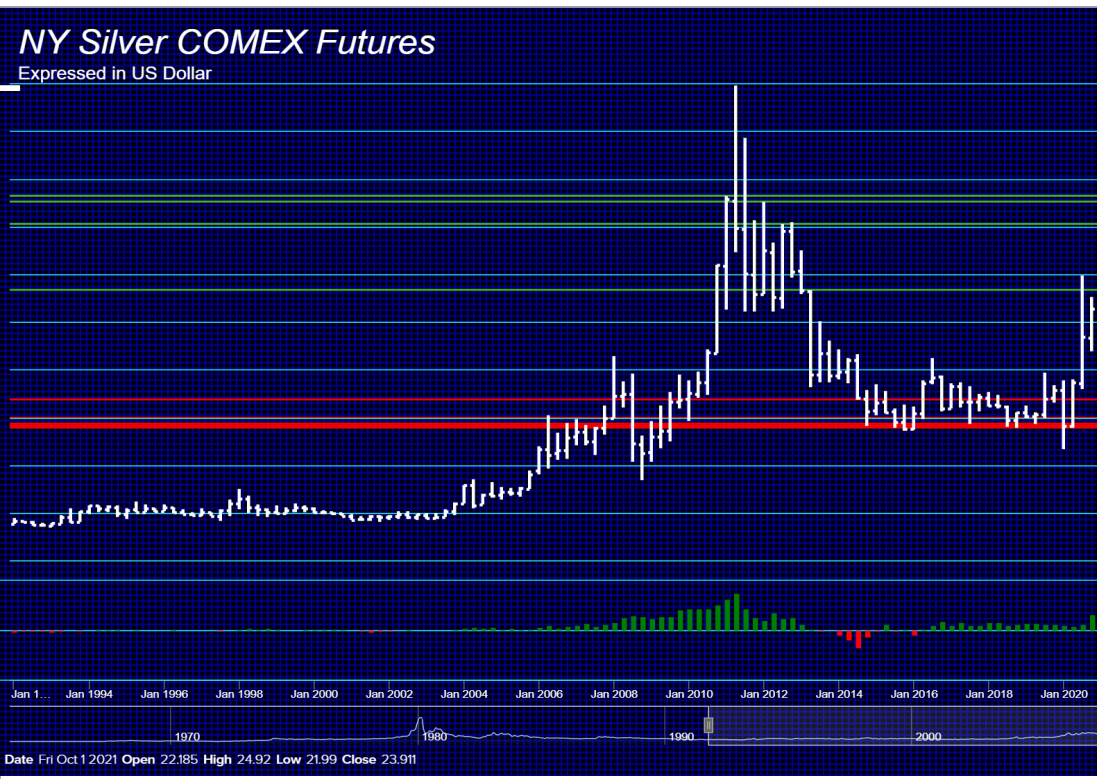
NY Silver COMEX Futures Yearly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

SILVER (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

	BULLISH		BEARISH	
	MAJOR	MINOR	MAJOR	MINOR
from		28.3700	16.8400	14.1540
		35.2700	14.9140	13.9640
		37.5900	14.3300	
		38.1900		

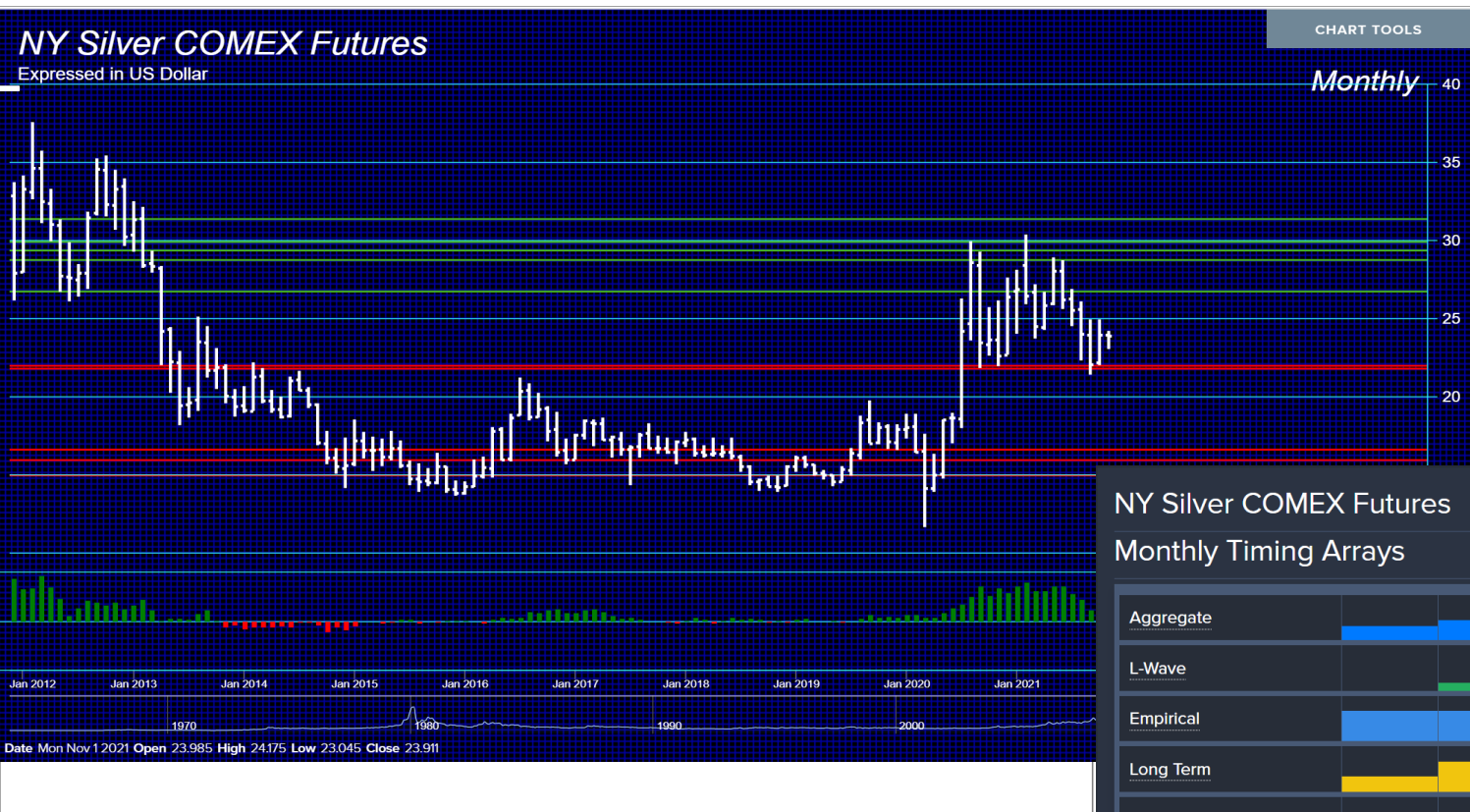
NY Silver COMEX Futures Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Neutral	Bullish	Bullish	Bullish	Bearish	Down 1 Quarter

SILVER (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
26.7400	29.3600	21.9500	15.9440
28.7200	31.3660	21.8000	14.9400
29.9160		16.5639	

NY Silver COMEX Futures Monthly Timing Arrays

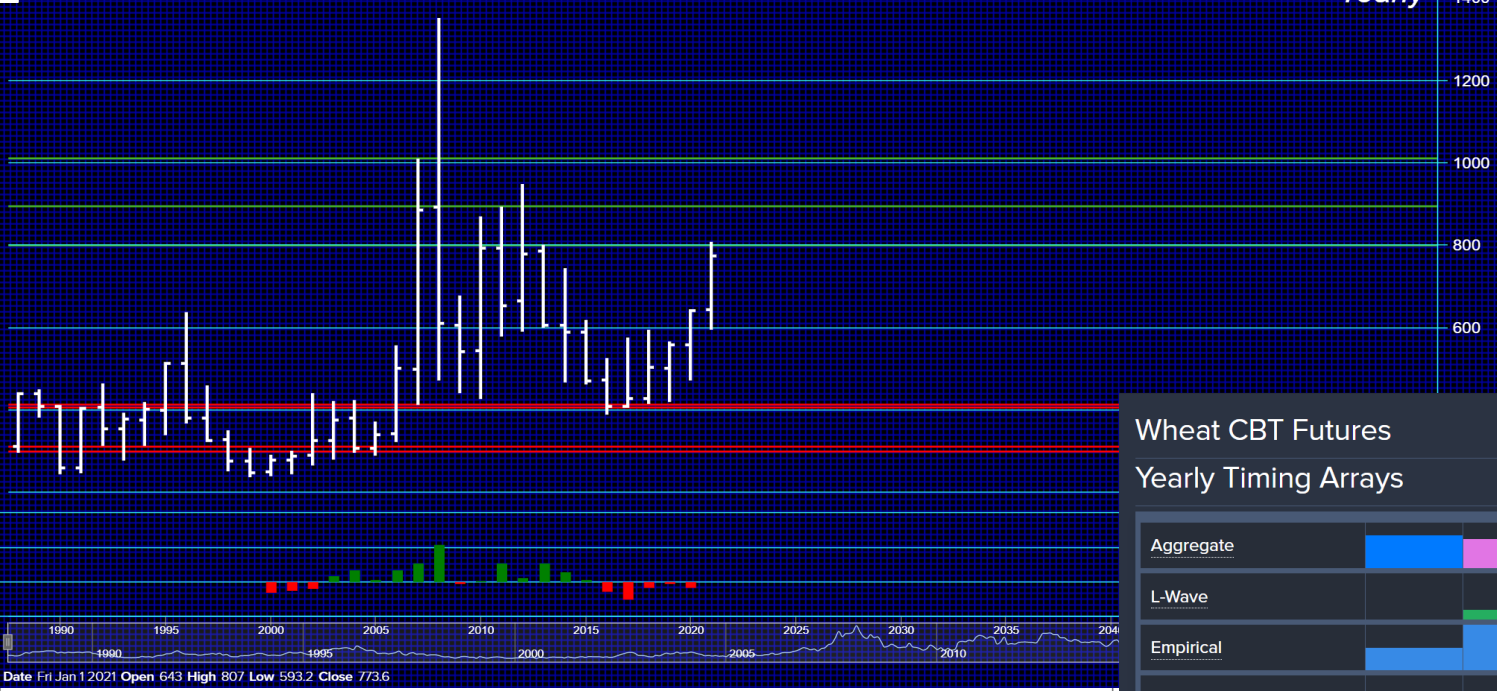
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Aggregate	Blue	Blue	Blue	Purple	Blue	Purple	Blue	Purple	Blue	Blue	Blue	Purple
L-Wave		Green	Green	Green	Green	Green	Green	Purple	Green	Green	Green	Green
Empirical	Blue	Blue	Blue	Cyan	Blue	Cyan	Blue	Cyan	Blue	Blue	Cyan	Blue
Long Term	Yellow	Yellow	Yellow	Orange	Yellow	Yellow	Yellow	Orange	Yellow	Orange	Yellow	Yellow
Trading Cycle			Yellow		Yellow							
Direction Change											Blue	
Panic Cycle			Yellow									
Internal Volatility		Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
Overnight Volatility						Yellow						

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bearish	Bearish	Neutral	Bullish	Bullish	No Change

WHEAT (as of YEARLY close – 2020)

Wheat CBT Futures (W)
Expressed in US Dollar

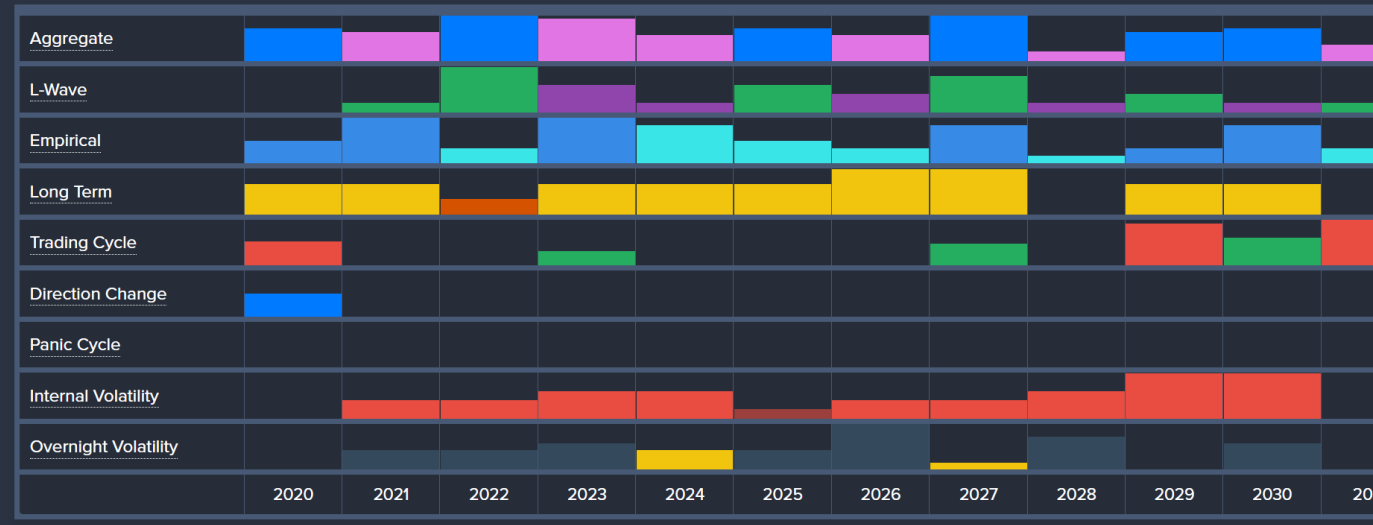


Date: Fri Jan 1 2021 Open: 643 High: 807 Low: 593.2 Close: 773.6

Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
799.50	1,009.00	311.00	412.00
893.00		299.00	404.50

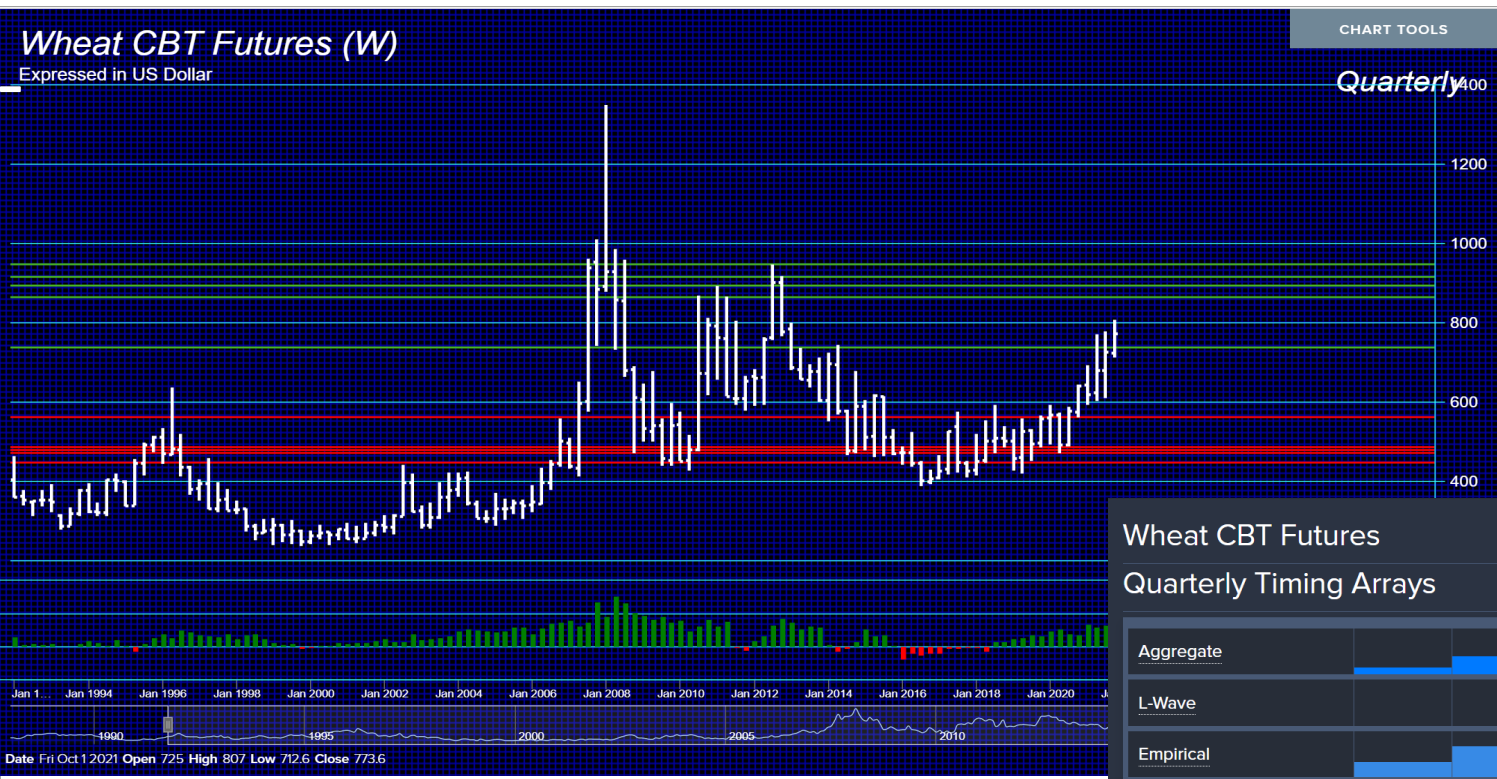
Wheat CBT Futures
Yearly Timing Arrays



Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Neutral	Bullish	Bullish	No Change

WHEAT (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
947.00	736.50	561.00	485.00
	865.00	478.00	471.00
	893.00	445.50	
	916.00		

Quarterly Indicating Ranges

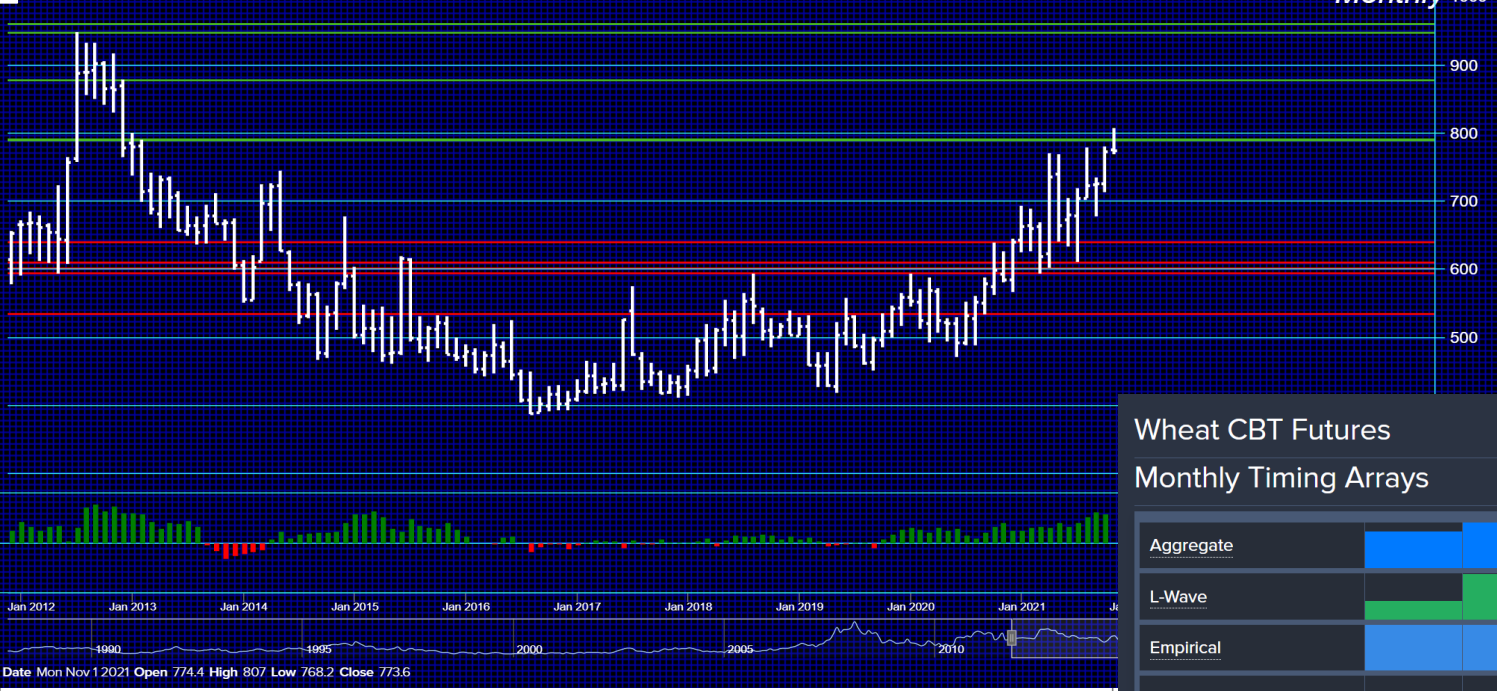
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

Wheat CBT Futures Quarterly Timing Arrays

	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate	Blue	Blue	Blue	Blue	Blue	Pink	Pink	Blue	Blue	Pink	Blue	Blue
L-Wave				Green		Green	Green					
Empirical	Blue	Blue	Blue	Blue	Blue	Cyan	Cyan	Blue	Blue	Blue	Blue	Cyan
Long Term		Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Trading Cycle		Green		Yellow								
Direction Change				Blue								
Panic Cycle									Yellow			
Internal Volatility							Red					Red
Overnight Volatility								Blue				

WHEAT (as of MONTHLY close – Oct 2021)

Wheat CBT Futures (W)
Expressed in US Dollar



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
877.00	788.00	639.00	601.00
959.00	790.00	609.00	593.00
	947.00	533.00	

Date: Mon Nov 1 2021
Open: 774.4 High: 807 Low: 768.2 Close: 773.6

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

Wheat CBT Futures Monthly Timing Arrays

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Se
Aggregate	Blue	Blue	Pink	Blue	Blue	Blue	Blue	Pink	Blue	Pink	Blue	Pink
L-Wave	Green	Green	Black	Green	Green	Purple	Purple	Purple	Green	Black	Green	Black
Empirical	Blue	Blue	Cyan	Blue	Blue	Cyan	Blue	Cyan	Blue	Cyan	Blue	Cyan
Long Term	Yellow	Black	Yellow	Orange	Black	Yellow	Yellow	Black	Yellow	Orange	Yellow	Black
Trading Cycle	Black	Black	Black	Red	Black	Red	Red	Red	Black	Black	Red	Black
Direction Change	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
Panic Cycle	Black	Black	Black	Black	Black	Black	Black	Yellow	Black	Black	Black	Black
Internal Volatility	Black	Red	Black	Red	Red	Black	Red	Black	Red	Red	Black	Red
Overnight Volatility	Black	Black	Black	Yellow	Black	Yellow	Yellow	Black	Black	Black	Black	Yellow

SOY (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1,549.00	1,404.00	844.20	553.40
	1,789.00	838.20	
		657.00	

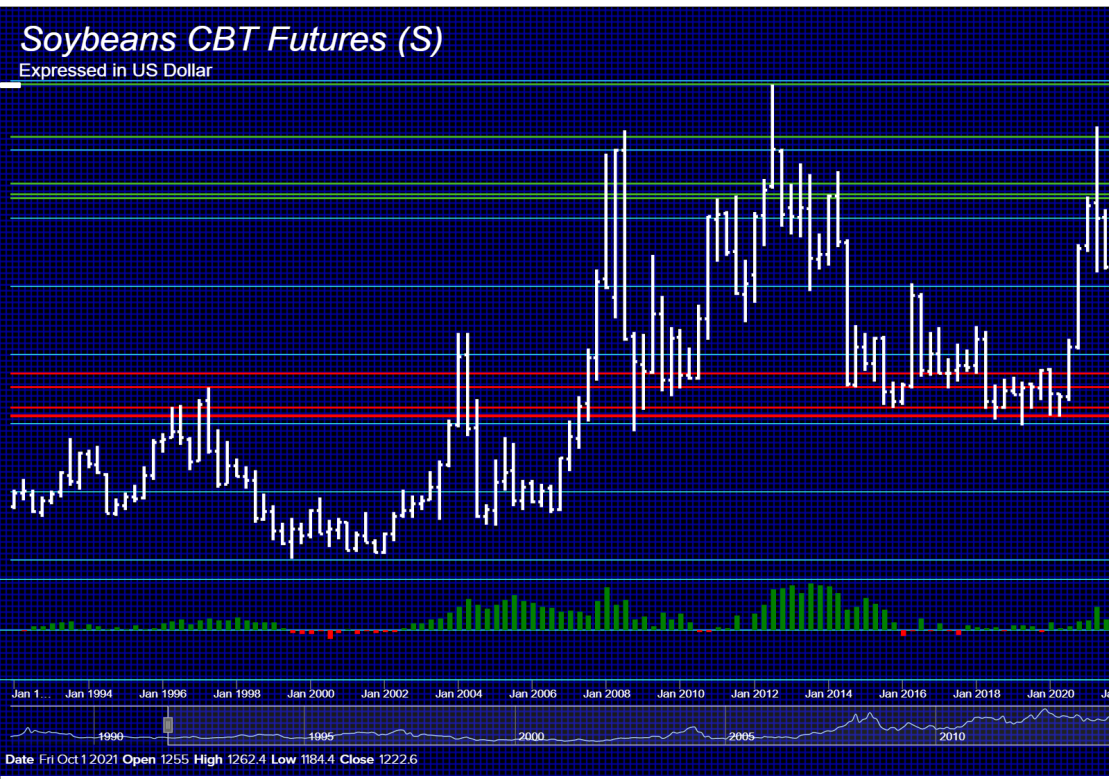
Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

Soybeans CBT Futures Yearly Timing Arrays

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

SOY (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

	BULLISH		BEARISH	
	MAJOR	MINOR	MAJOR	MINOR
from		1,455.60	944.40	844.20
		1,466.40	904.00	
		1,498.00	821.00	
		1,636.60	818.40	
		1,789.00		

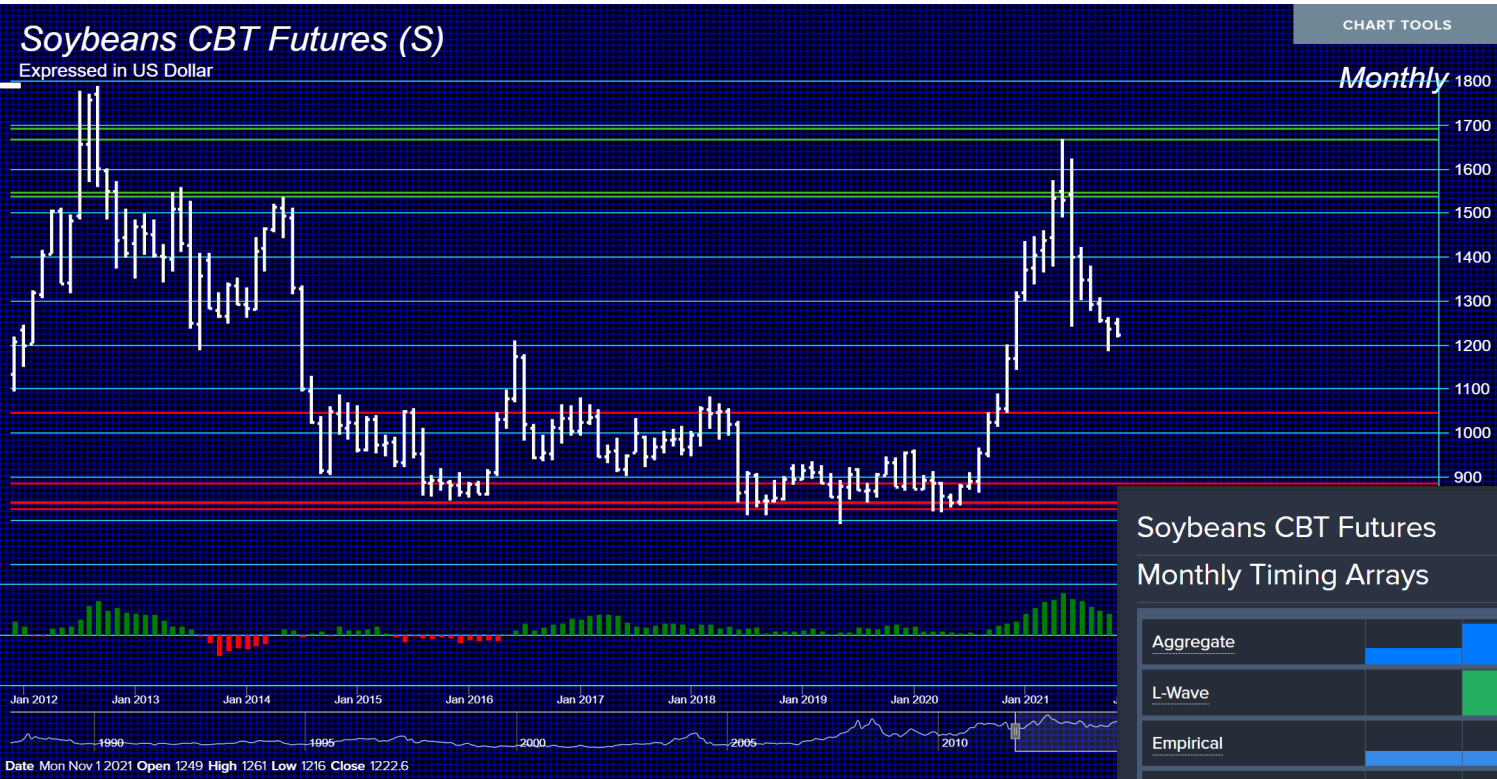
Soybeans CBT Futures Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Bullish	Bullish	Bullish	Bearish	No Change

SOY (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1,546.60	1,536.60	1,045.00	840.00
1,691.40	1,667.40	883.00	825.00
		838.20	

Date: Mon Nov 1 2021 Open: 1249 High: 1261 Low: 1216 Close: 1222.6

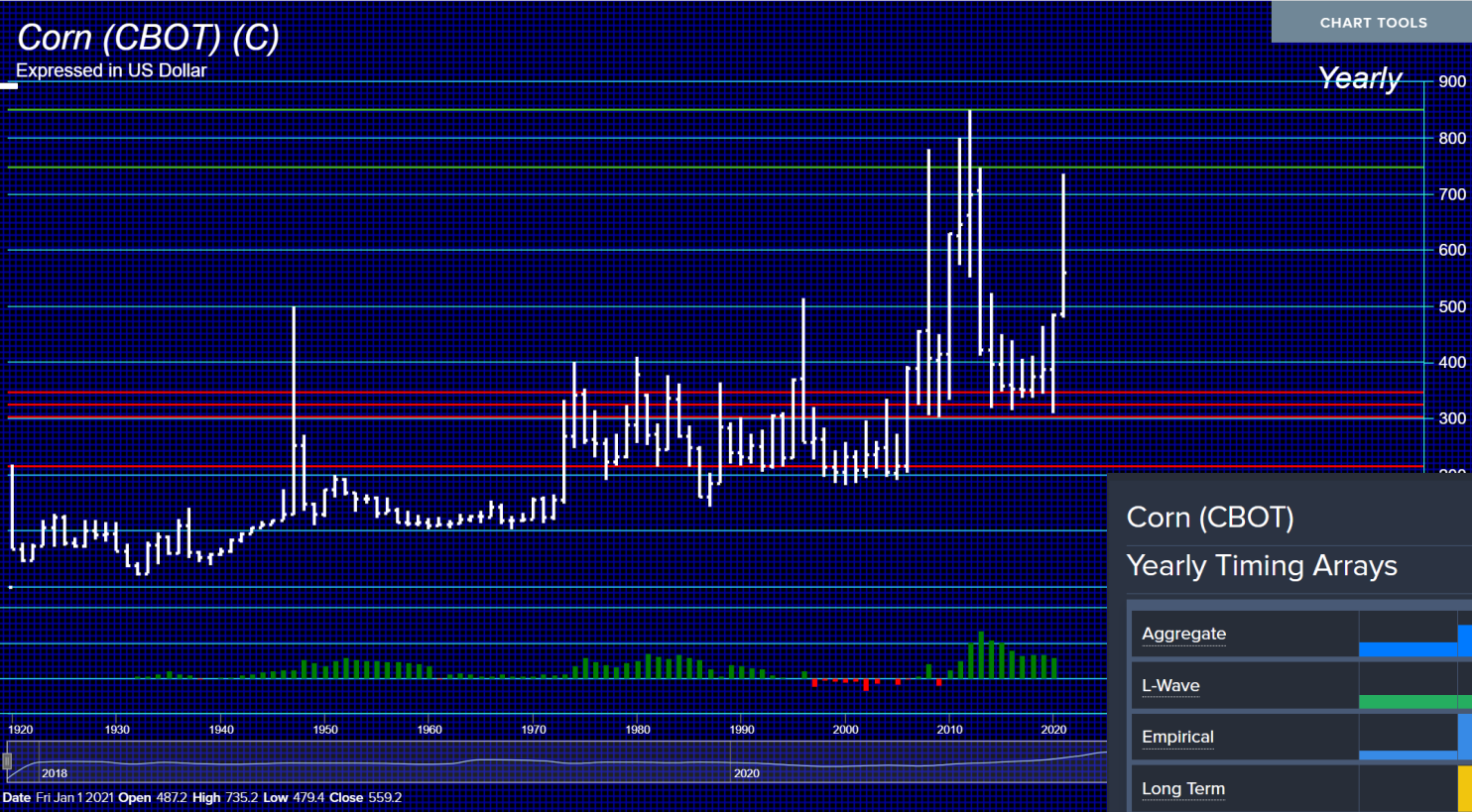
Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bearish	Bearish	Bullish	Bullish	Bearish	Down 1 Month

Soybeans CBT Futures Monthly Timing Arrays

Aggregate														
L-Wave														
Empirical														
Long Term														
Trading Cycle														
Direction Change														
Panic Cycle														
Internal Volatility														
Overnight Volatility														
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		

CORN (as of YEARLY close – 2020)



Yearly Reversals

	BULLISH		BEARISH	
	MAJOR	MINOR	MAJOR	MINOR
from		746.00	346.50	214.00
		849.00	324.00	
			302.00	

Date: Fri Jan 1 2021 Open: 487.2 High: 735.2 Low: 479.4 Close: 559.2

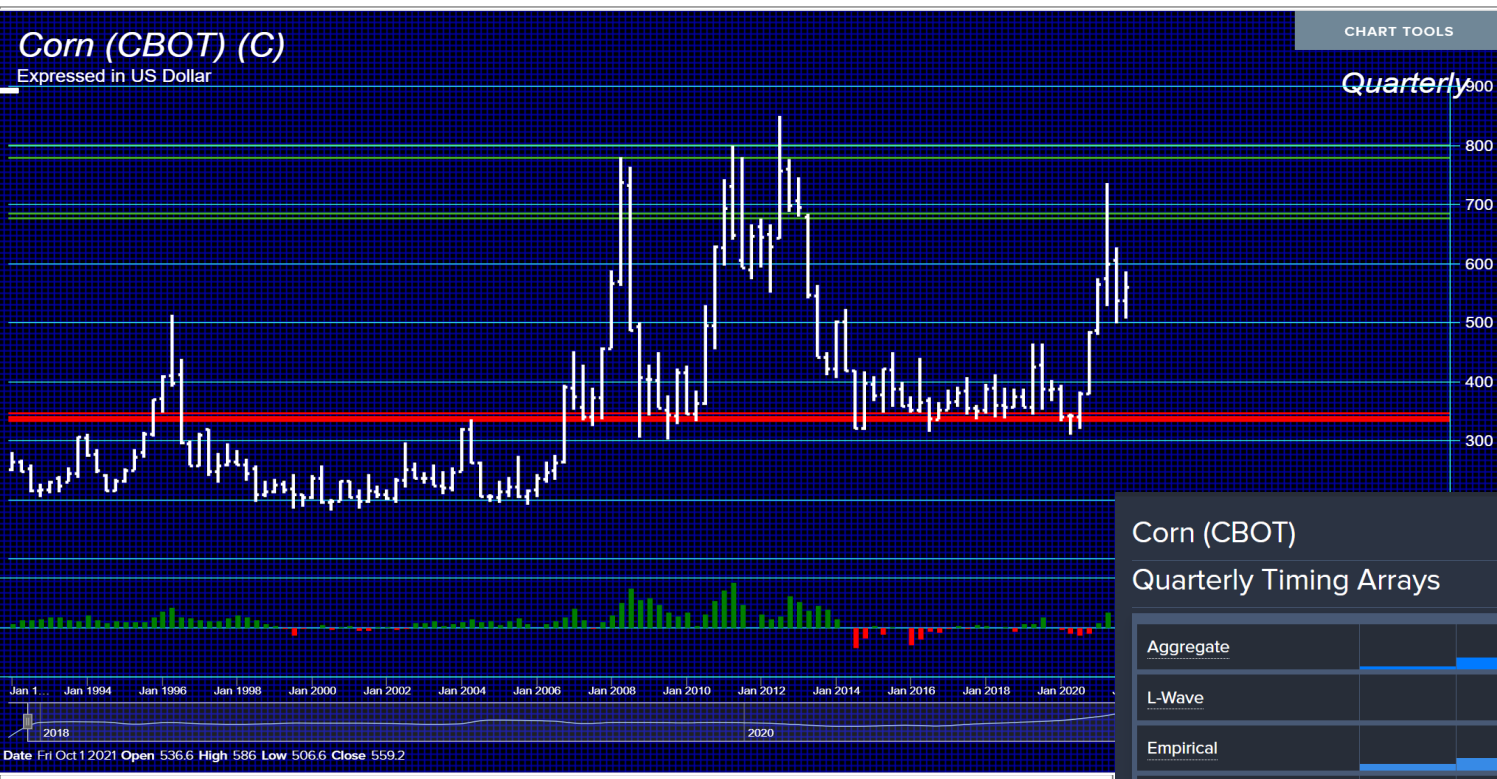
Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bearish	No Change

Corn (CBOT) Yearly Timing Arrays

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Aggregate		Blue	Pink	Blue	Pink	Blue	Blue	Blue	Pink	Blue	Pink
L-Wave		Green	Green	Green	Green	Green	Green	Green	Purple	Green	Purple
Empirical		Blue	Cyan	Blue	Cyan	Blue	Blue	Blue	Cyan	Blue	Cyan
Long Term		Yellow	Orange	Yellow	Orange	Yellow	Yellow	Orange	Yellow	Orange	Yellow
Trading Cycle		Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
Direction Change	Blue										
Panic Cycle									Yellow		
Internal Volatility		Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
Overnight Volatility		Blue	Yellow	Blue	Blue	Blue	Yellow	Blue	Yellow	Blue	Blue

CORN (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
779.00	675.50	345.00	338.50
	683.50	332.00	337.00
	799.50		335.00

from

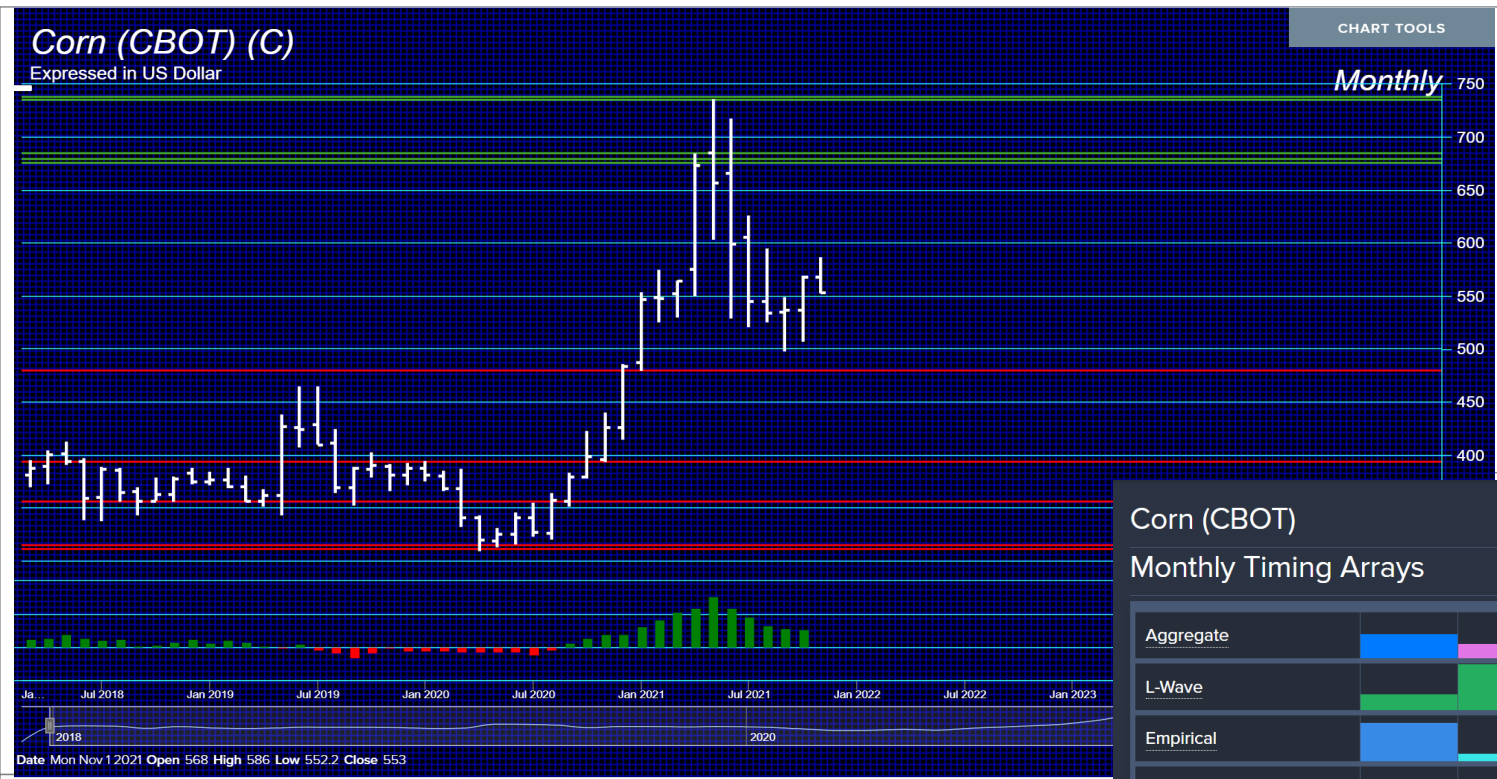
Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bearish	No Change

Corn (CBOT) Quarterly Timing Arrays

	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

CORN (as of MONTHLY close – Oct 2021)



from

Monthly Reversals

	BULLISH		BEARISH	
	MAJOR	MINOR	MAJOR	MINOR
		675.50	479.00	315.00
		679.00	393.00	311.00
		684.00	356.00	
		735.00		
		737.50		

Corn (CBOT) Monthly Timing Arrays

Aggregate														
L-Wave														
Empirical														
Long Term														
Trading Cycle														
Direction Change														
Panic Cycle														
Internal Volatility														
Overnight Volatility														
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		

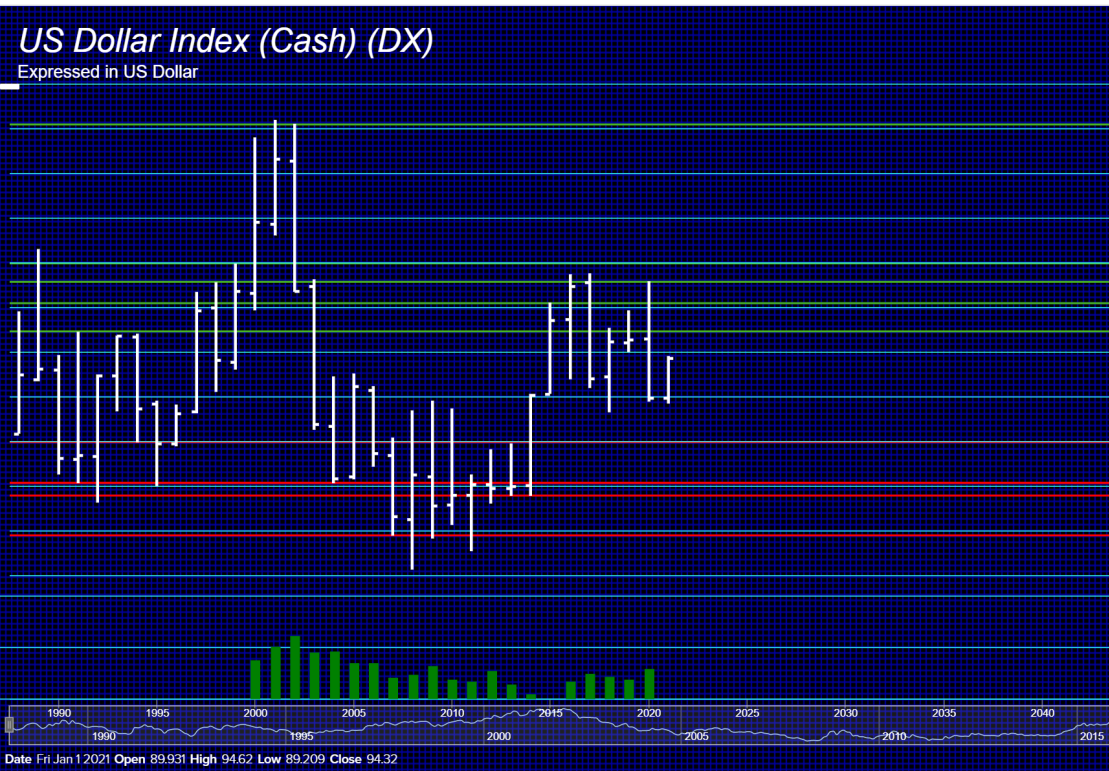
Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Bearish	Bullish	Bullish	Bullish	No Change

GLOBAL CURRENCY

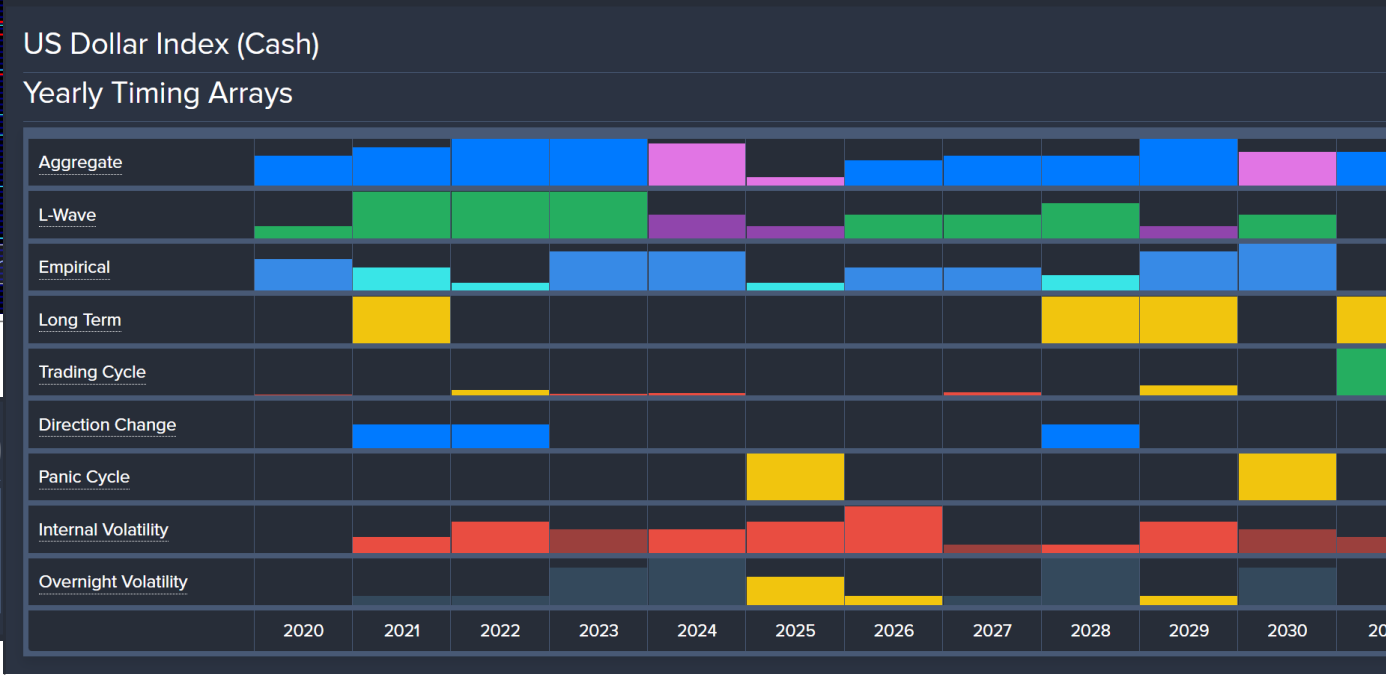
2021 WEC Global Markets Overview

US DOLLAR (as of YEARLY close – 2020)



Yearly Reversals

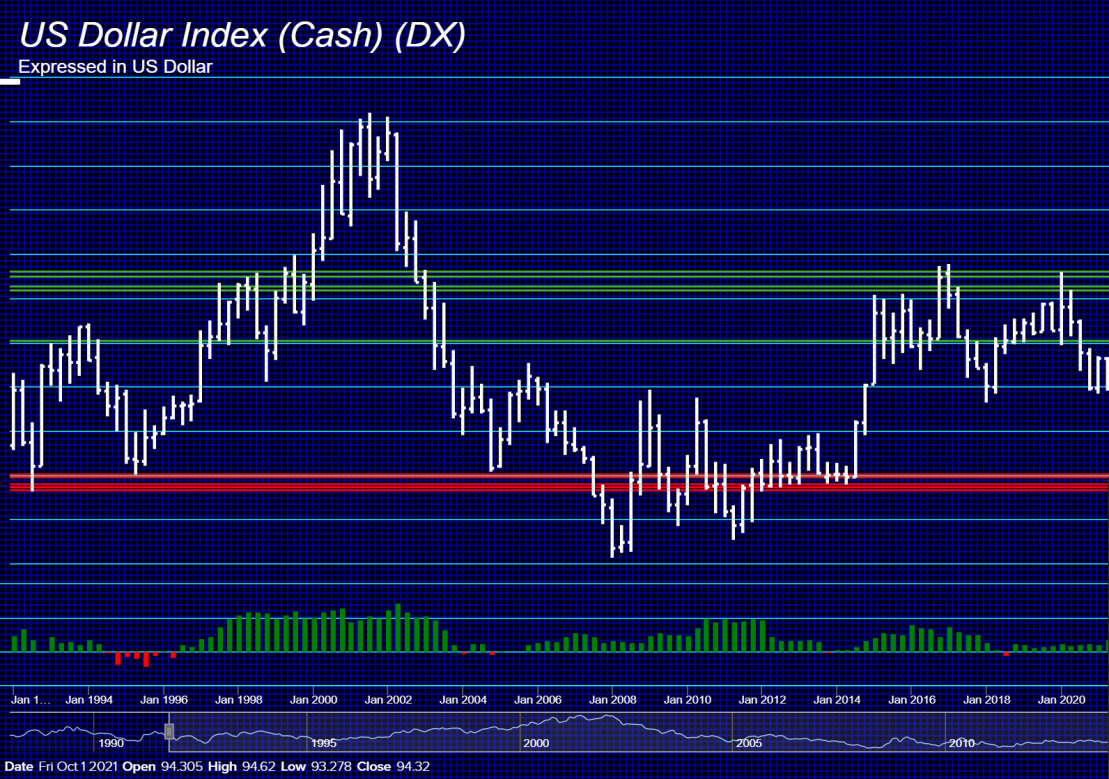
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
102.8801	97.3201	80.3899	84.9099
120.5101	100.5101	80.3399	74.4839
	104.8801	78.9059	



Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Bearish	Bullish	Neutral	Bearish	Down 1 Year

US DOLLAR (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
101.3401	95.1501	78.9979	80.0299
102.4501	100.9311		79.7399
	102.9921		78.6009
			78.3339

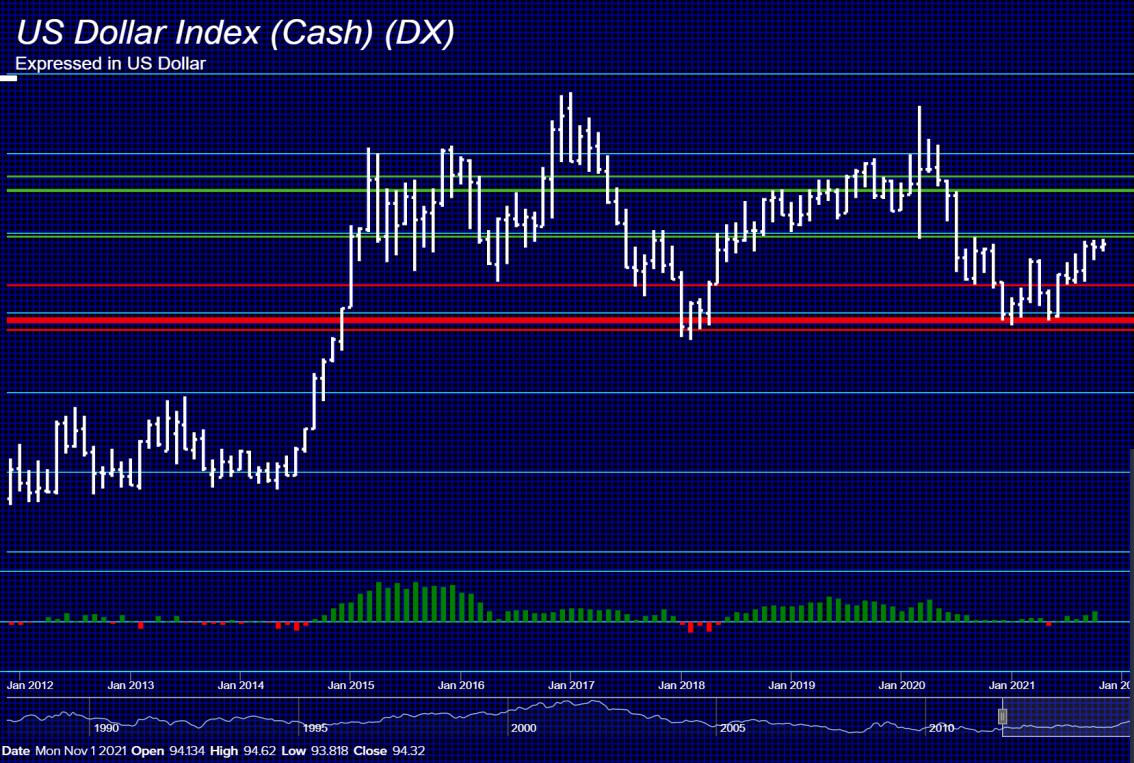
US Dollar Index (Cash) Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Bearish	Neutral	Neutral	Bullish	No Change

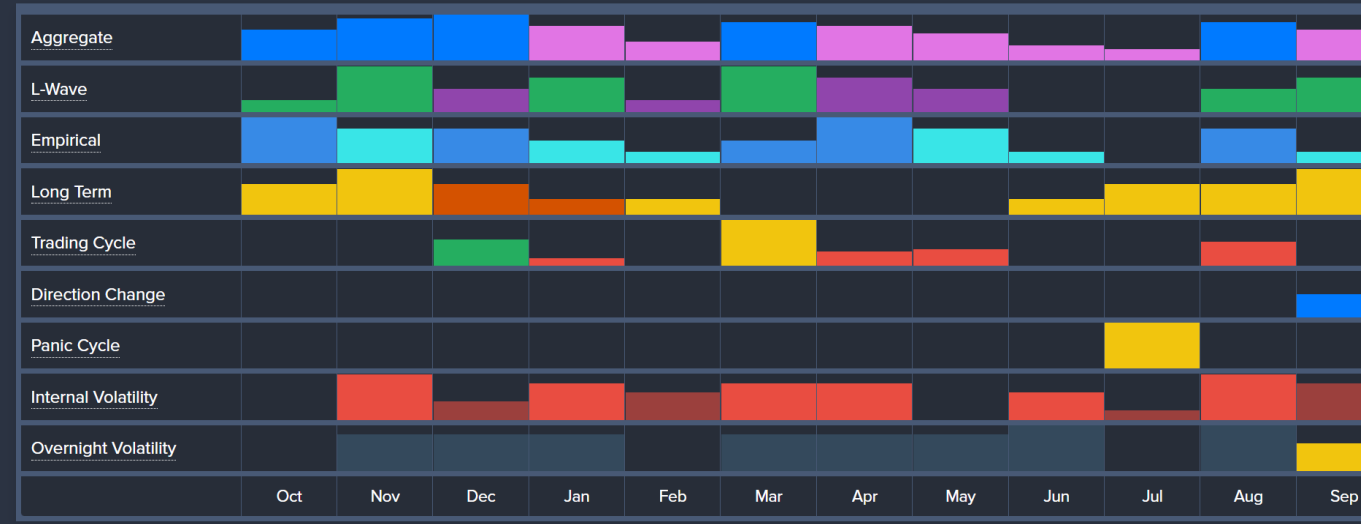
US DOLLAR (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
94.7421	97.7101	91.7459	89.4001
97.6221		89.6629	88.9419
97.6931		89.5349	
98.5441			

US Dollar Index (Cash) Monthly Timing Arrays



Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Neutral	Bearish	Bullish	No Change

CAN DOLLAR (as of YEARLY close – 2020)

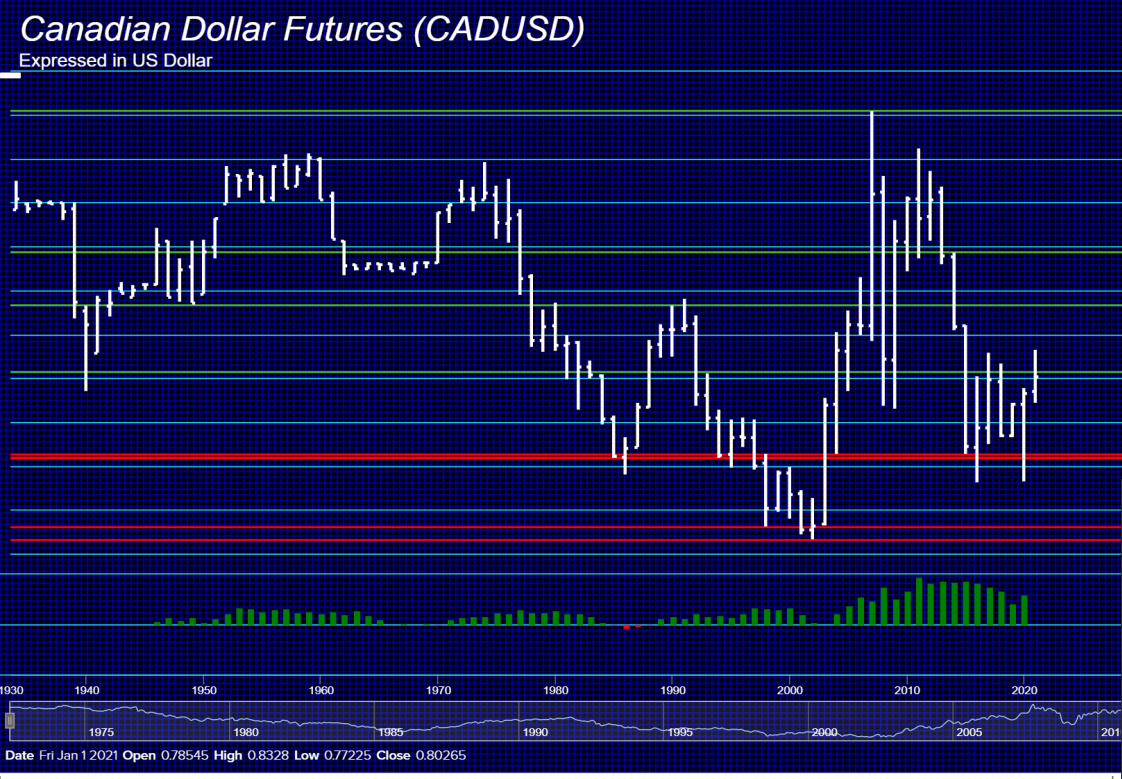


CHART TOOLS

Yearly

Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
0.8070		0.7134	0.7095
0.8829		0.7087	0.6304
0.9429		0.6160	
1.1044			

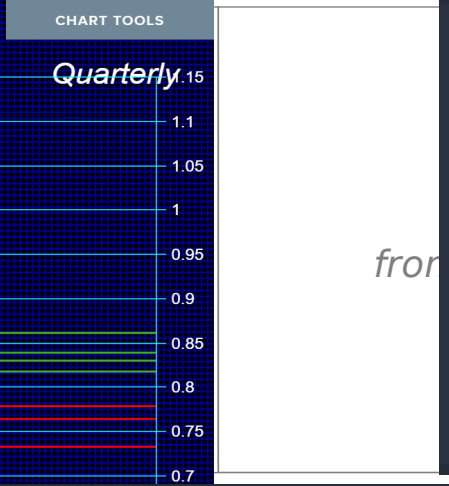
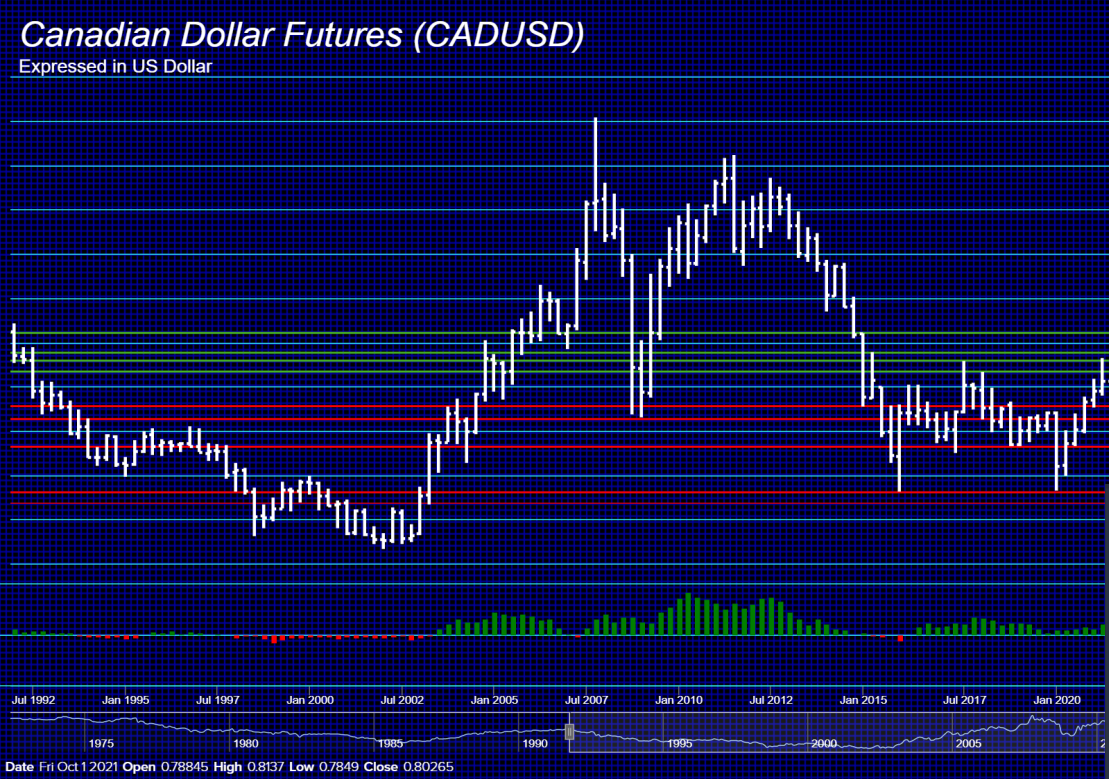
Canadian Dollar Futures Yearly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Neutral	Neutral	Bearish	Bullish	Bearish	No Change

CAN DOLLAR (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
0.8604	0.8169	0.7780	0.6686
	0.8292	0.7632	
	0.8387	0.7320	
		0.6810	

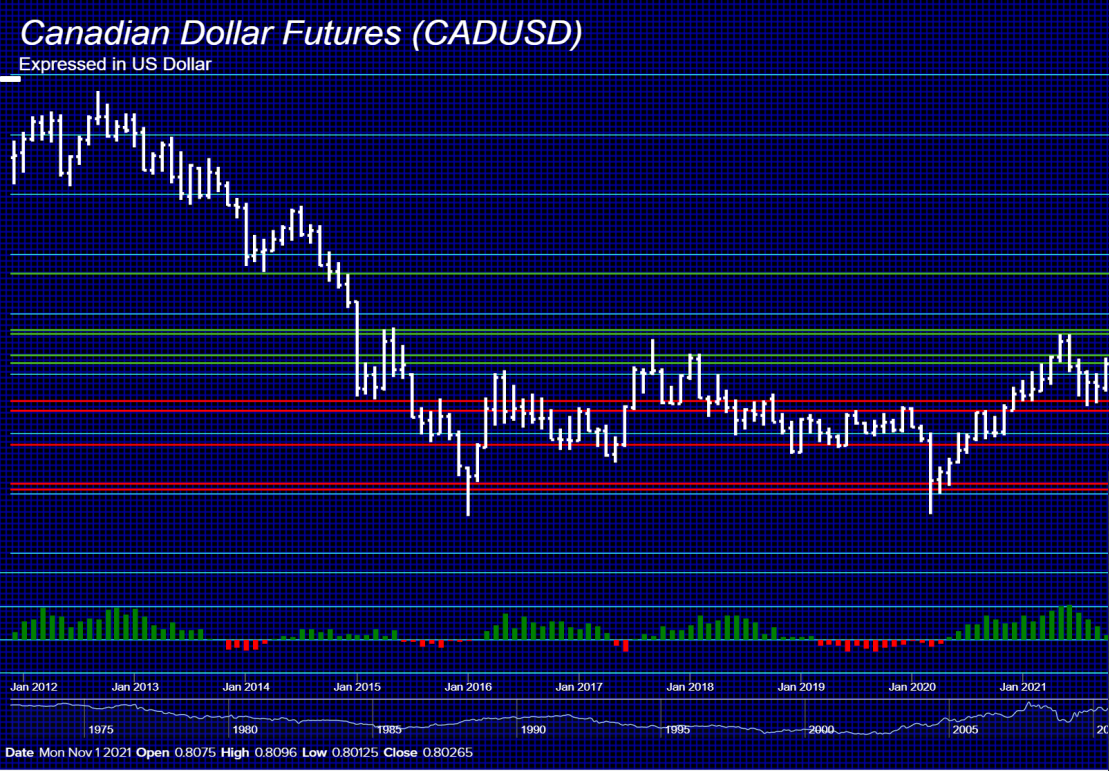
Canadian Dollar Futures Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Neutral	Neutral	Bearish	Down 1 Quarter

CAN DOLLAR (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	0.8089	0.7770	0.7080
	0.8154	0.7690	0.7026
	0.8329	0.7403	
	0.8367		
	0.8837		

Canadian Dollar Futures Monthly Timing Arrays

Aggregate													
L-Wave													
Empirical													
Long Term													
Trading Cycle													
Direction Change													
Panic Cycle													
Internal Volatility													
Overnight Volatility													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	

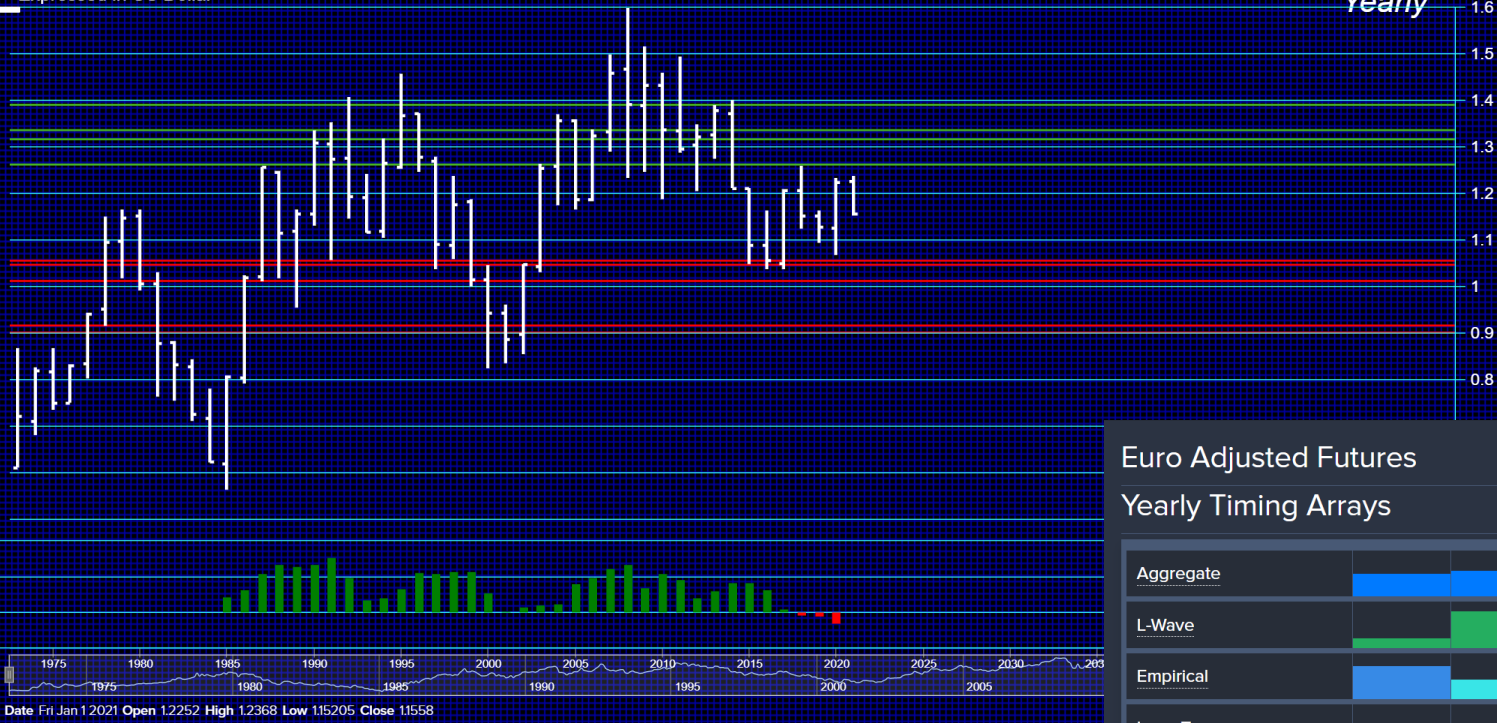
Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Bearish	Bullish	Bullish	Bullish	No Change

EURO (as of YEARLY close – 2020)

Euro Adjusted Futures (EURUSD)

Expressed in US Dollar



Date: Fri Jan 1 2021 Open: 1.2252 High: 1.2368 Low: 1.15205 Close: 1.1558

Yearly Reversals

	BULLISH		BEARISH	
	MAJOR	MINOR	MAJOR	MINOR
from	1.2624			1.0562
	1.3166			1.0472
	1.3346			1.0120
	1.3894			0.9162
				0.9000

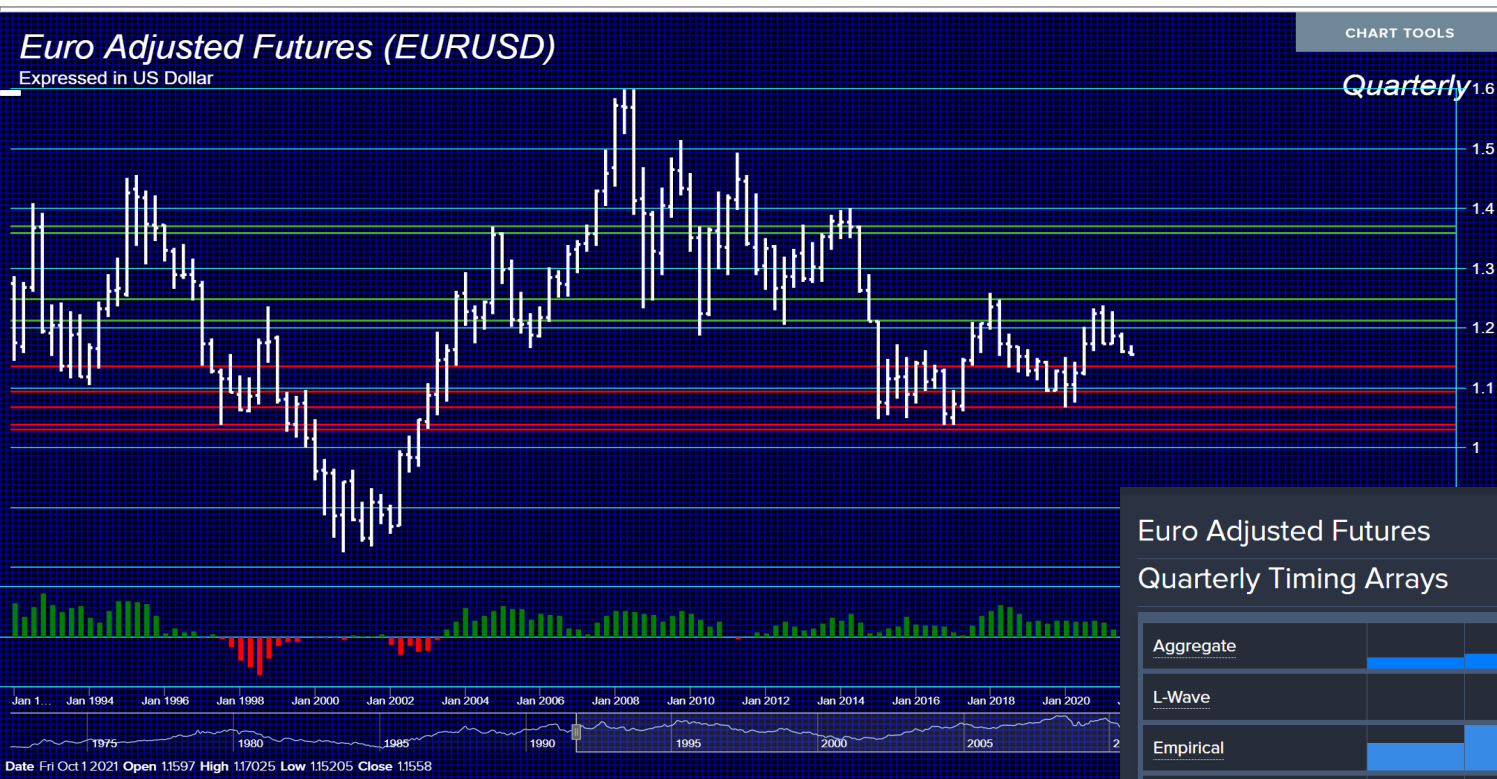
Euro Adjusted Futures Yearly Timing Arrays

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Aggregate	Blue	Blue	Blue	Blue	Pink	Pink	Pink	Blue	Blue	Blue	Pink	Pink
L-Wave	Green	Green	Green	Green	Green	Green	Green	Purple	Green	Green	Green	Green
Empirical	Blue	Cyan	Blue	Blue	Cyan	Blue	Cyan	Blue	Cyan	Blue	Cyan	Blue
Long Term					Yellow				Yellow			
Trading Cycle	Red			Green				Green		Red	Green	Red
Direction Change		Blue	Blue					Blue				
Panic Cycle								Yellow				
Internal Volatility		Red	Red	Red	Red	Brown	Brown	Red	Red	Red	Red	Red
Overnight Volatility			Yellow		Yellow		Yellow					

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bearish	Neutral	Bullish	No Change

EURO (as of QUARTERLY close – Sept 2021)

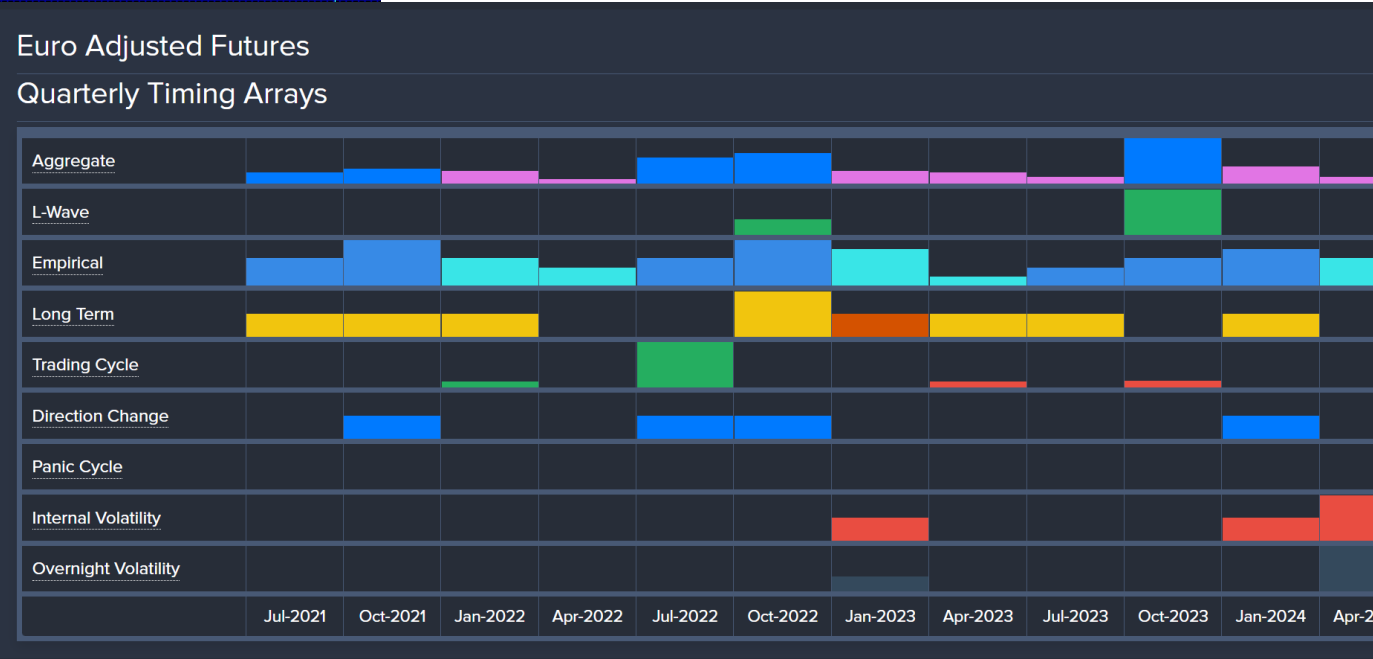


Quarterly Reversals

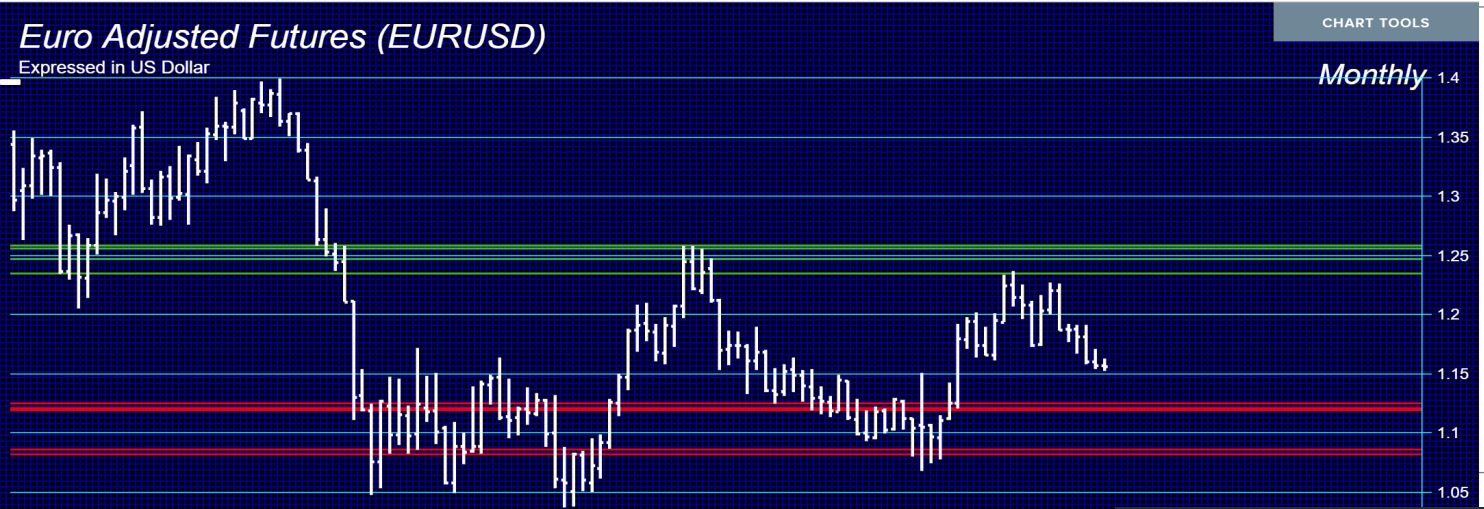
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.3574	1.2114		1.1355
1.3695	1.2469		1.0927
			1.0670
			1.0371
			1.0301

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bearish	Bullish	Neutral	Neutral	Bearish	Down 1 Quarter

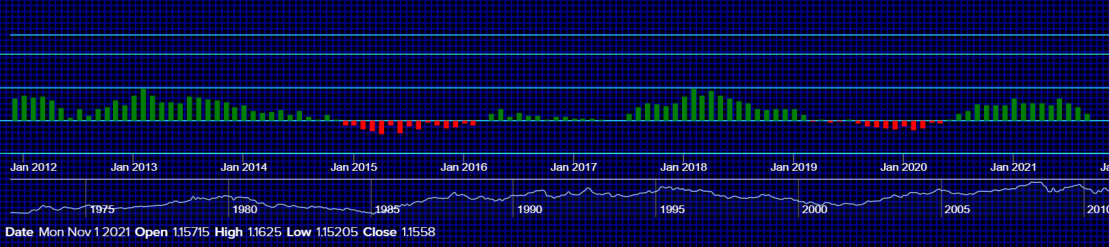


EURO (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.2580	1.2340	1.1245	1.1184
	1.2469	1.1201	1.0857
	1.2554		1.0816
	1.2580		

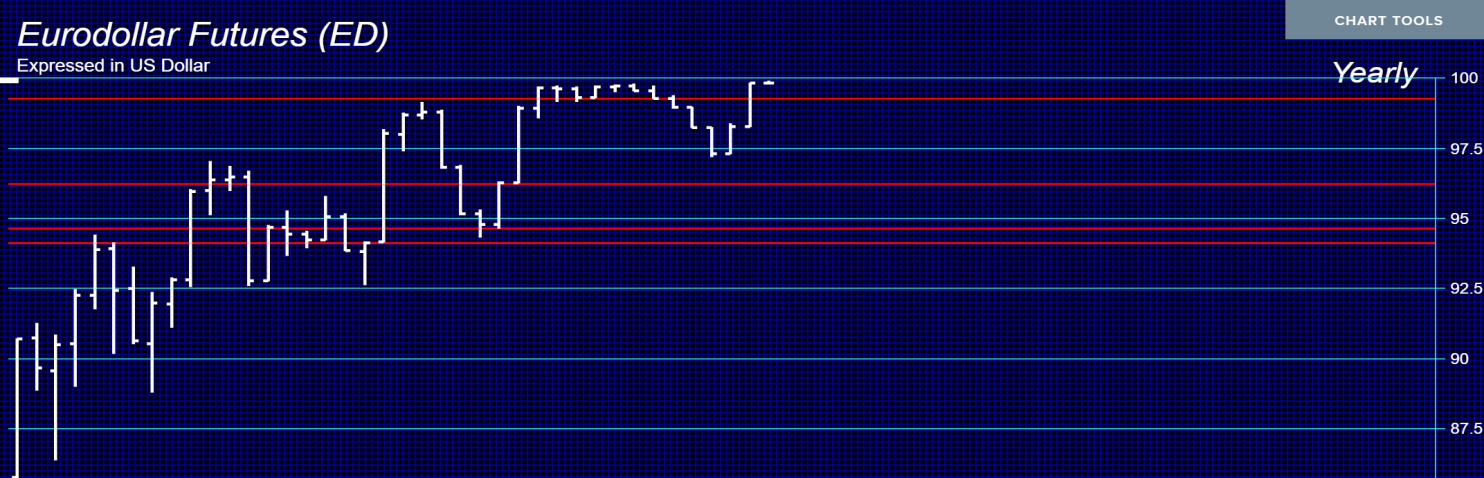


Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bearish	Bearish	Bearish	Bullish	Bearish	Down 2 Months

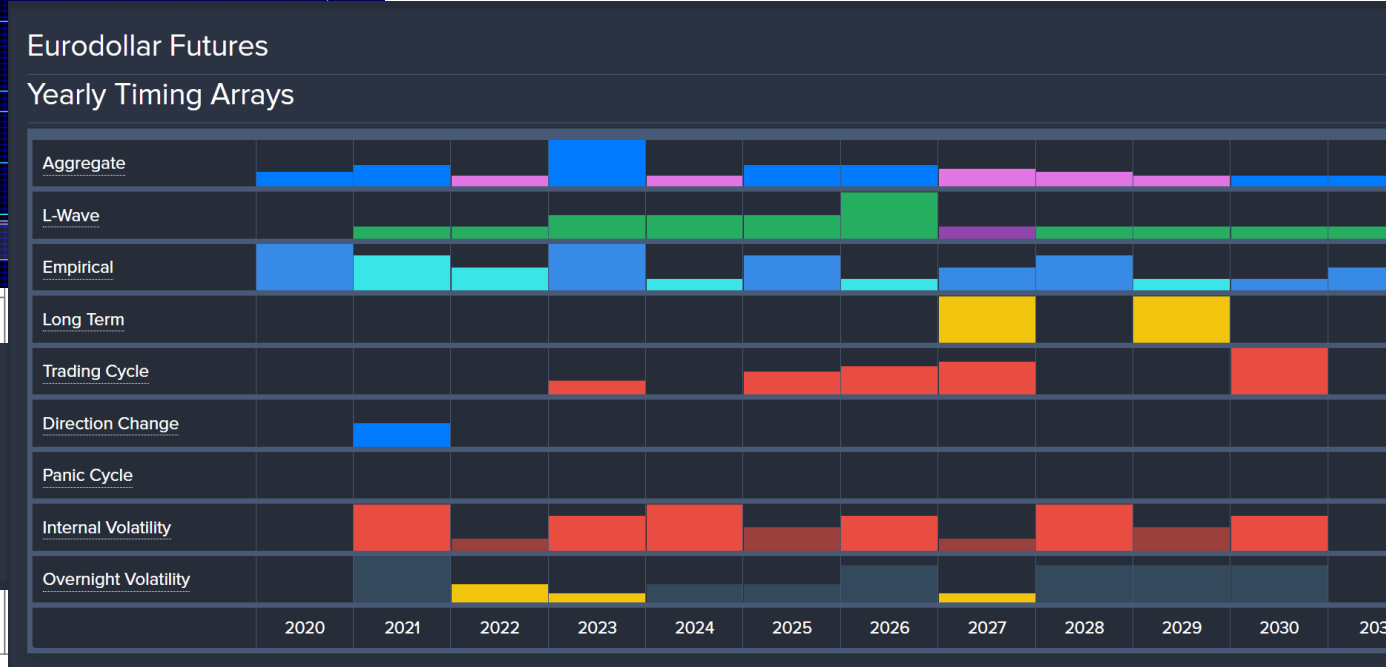
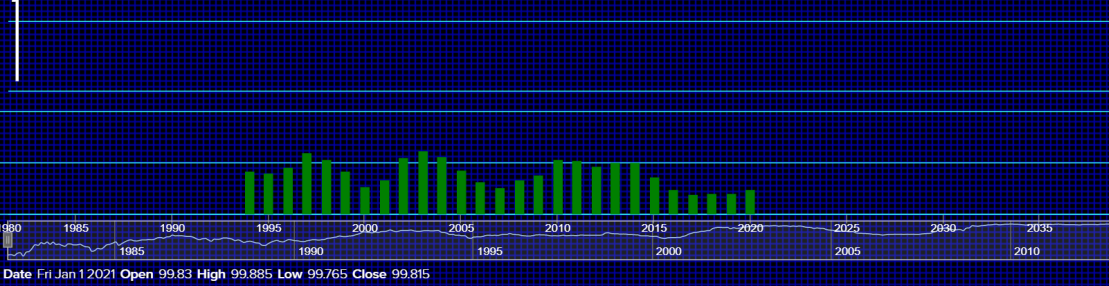
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Se
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

EURODOLLAR (as of YEARLY close – 2020)



Yearly Reversals

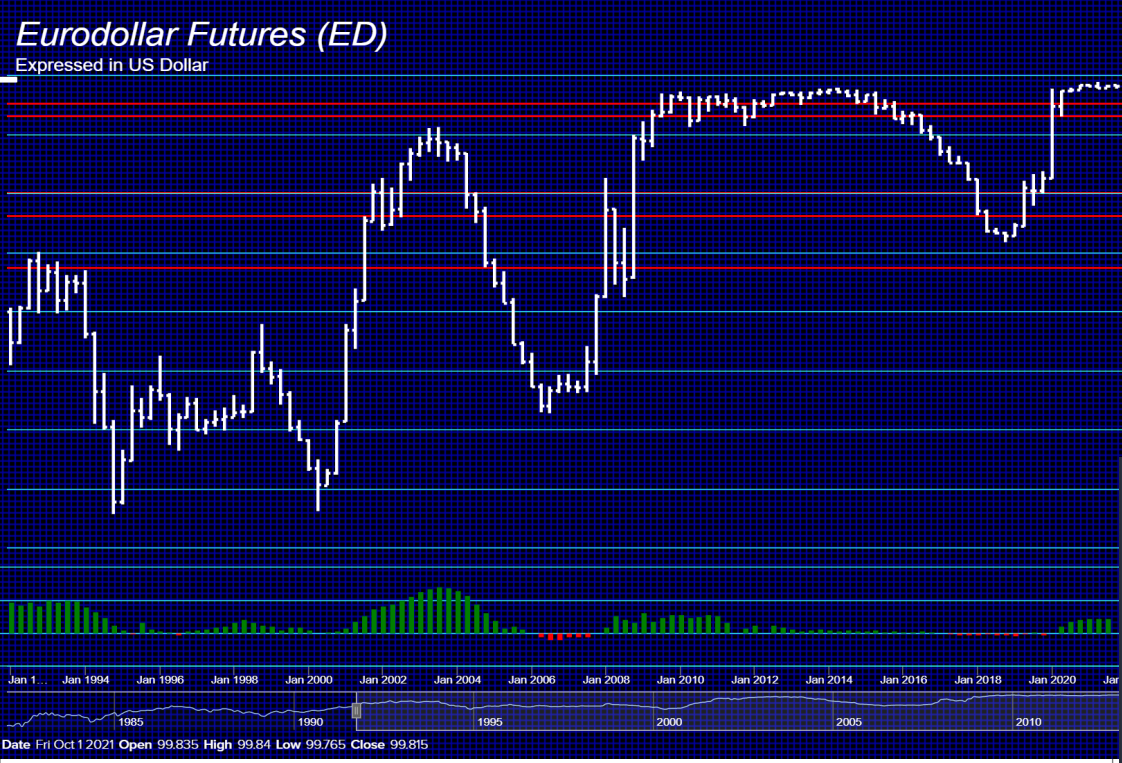
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		99.24	96.22
		94.61	94.10



Yearly Indicating Ranges

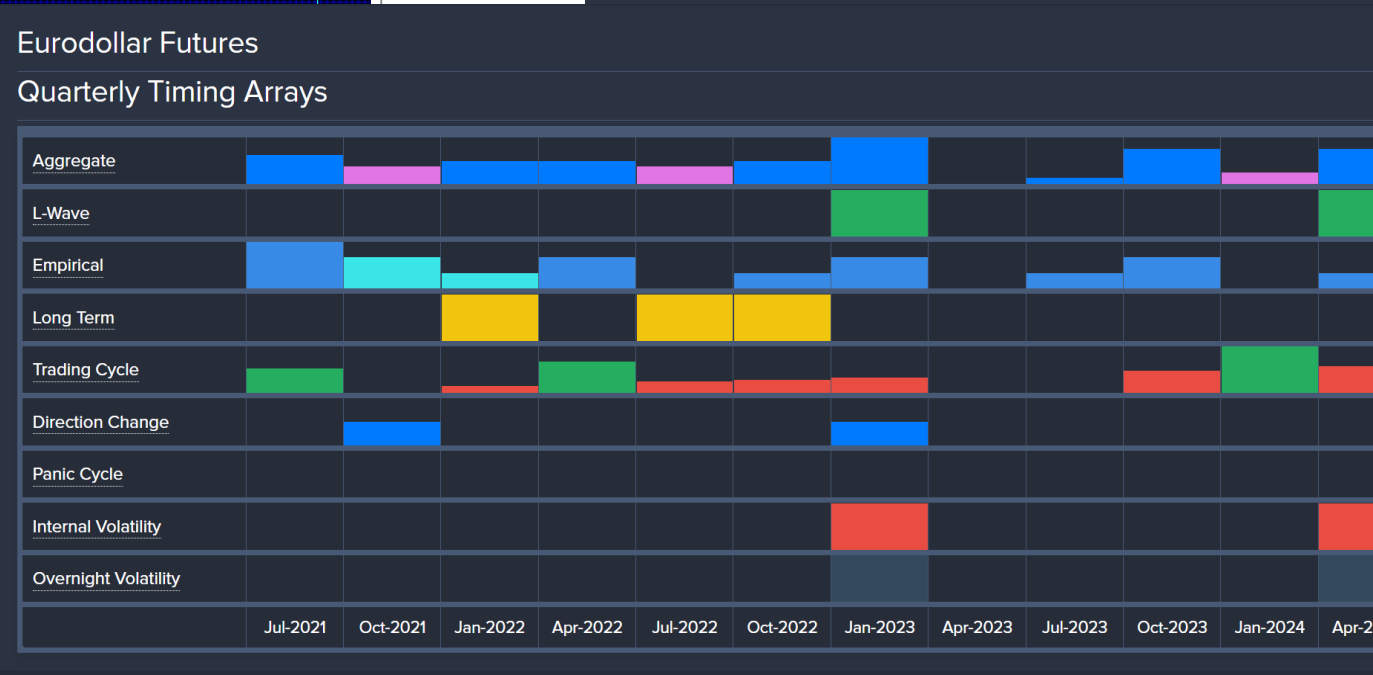
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

EURODOLLAR (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

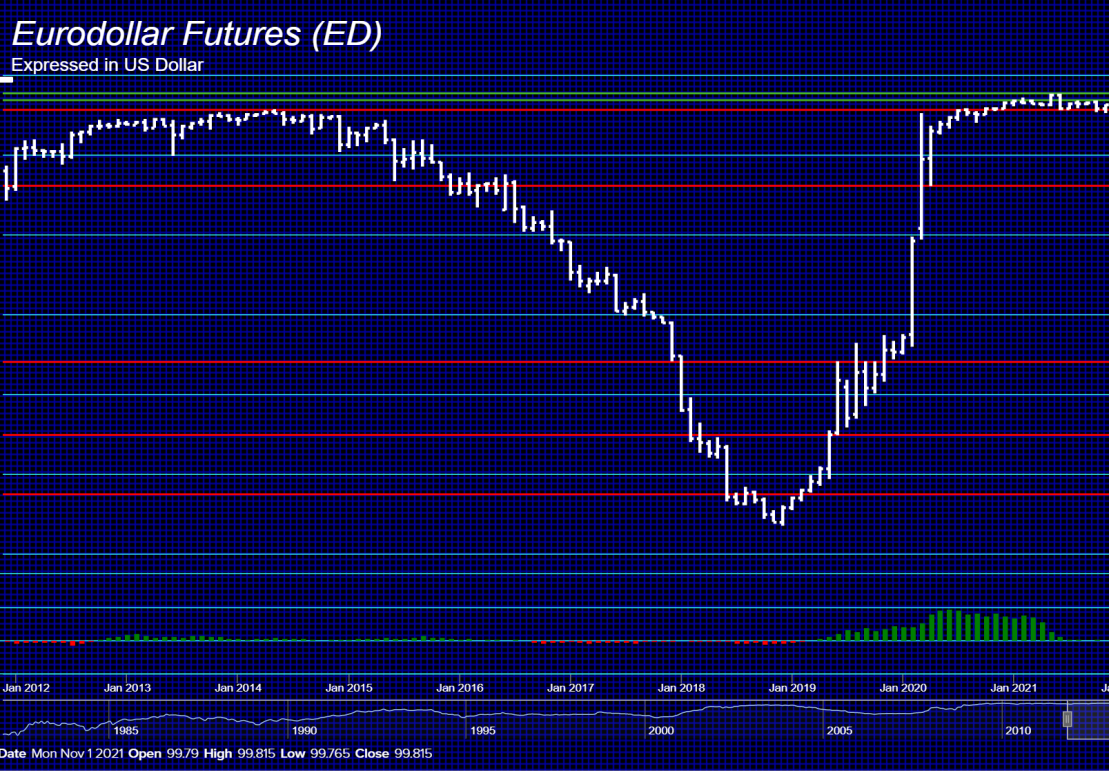
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		99.51	96.74
		99.30	
		98.00	
		97.62	



Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Bullish	Bullish	Bullish	Bearish	No Change

EURODOLLAR (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	Dbl	99.78	99.30
	99.85		
	99.88	97.37	98.20
			97.74

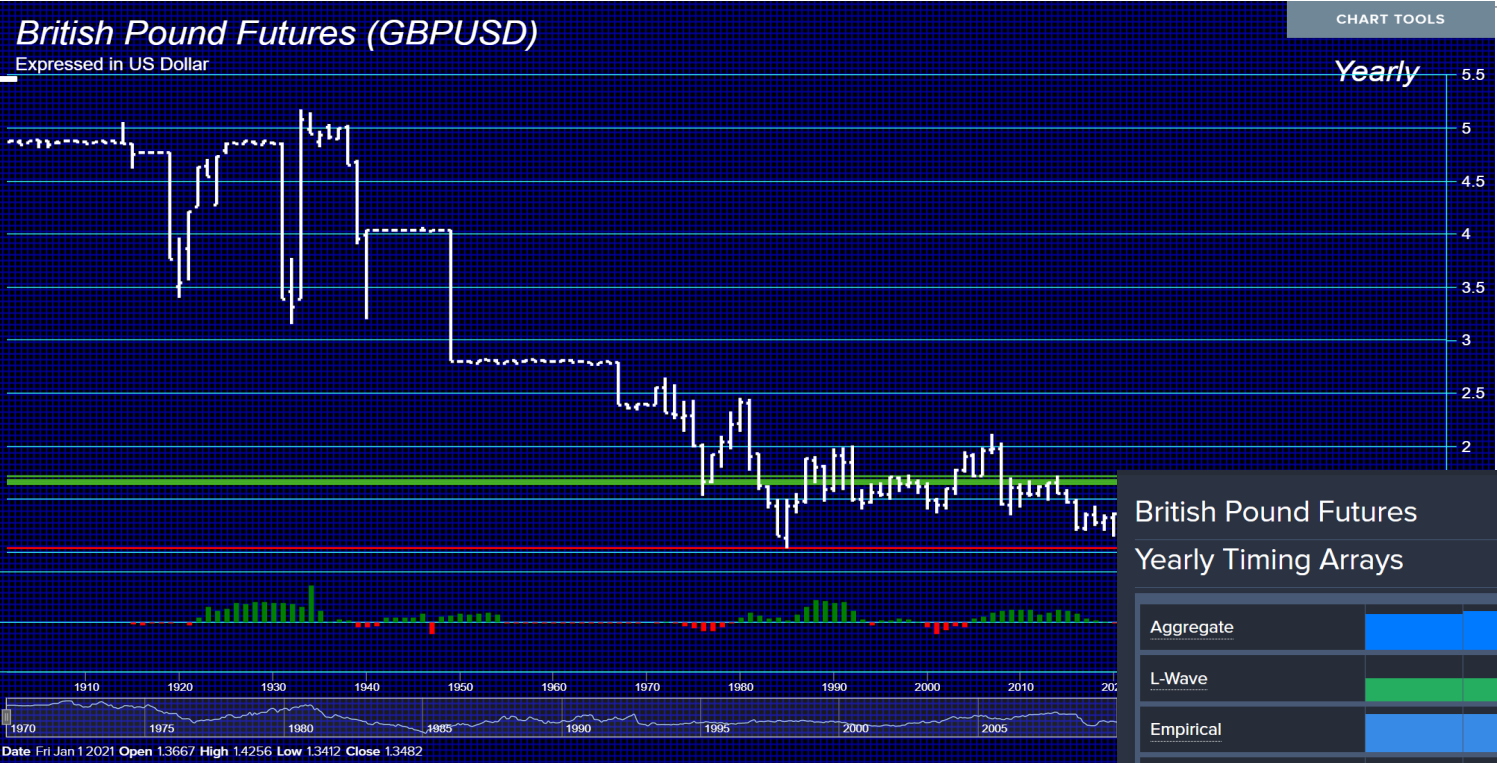
Eurodollar Futures Monthly Timing Arrays

Aggregate	Blue	Blue	Pink	Pink	Pink	Blue	Pink	Pink	Blue	Pink	Blue	Pink
L-Wave	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Empirical	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
Long Term	Yellow	Yellow	Orange	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Trading Cycle		Red	Red	Red			Red		Red			
Direction Change	Blue		Blue									
Panic Cycle											Yellow	
Internal Volatility		Red	Red	Red	Red		Red	Red	Red	Red	Red	Red
Overnight Volatility				Yellow			Yellow		Yellow			
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	S

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Neutral	Bearish	Bullish	Bullish	Bearish	Down 1 Month

POUND STERLING (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.6437	1.6579		1.0344
1.7129	1.6739		

Yearly Indicating Ranges

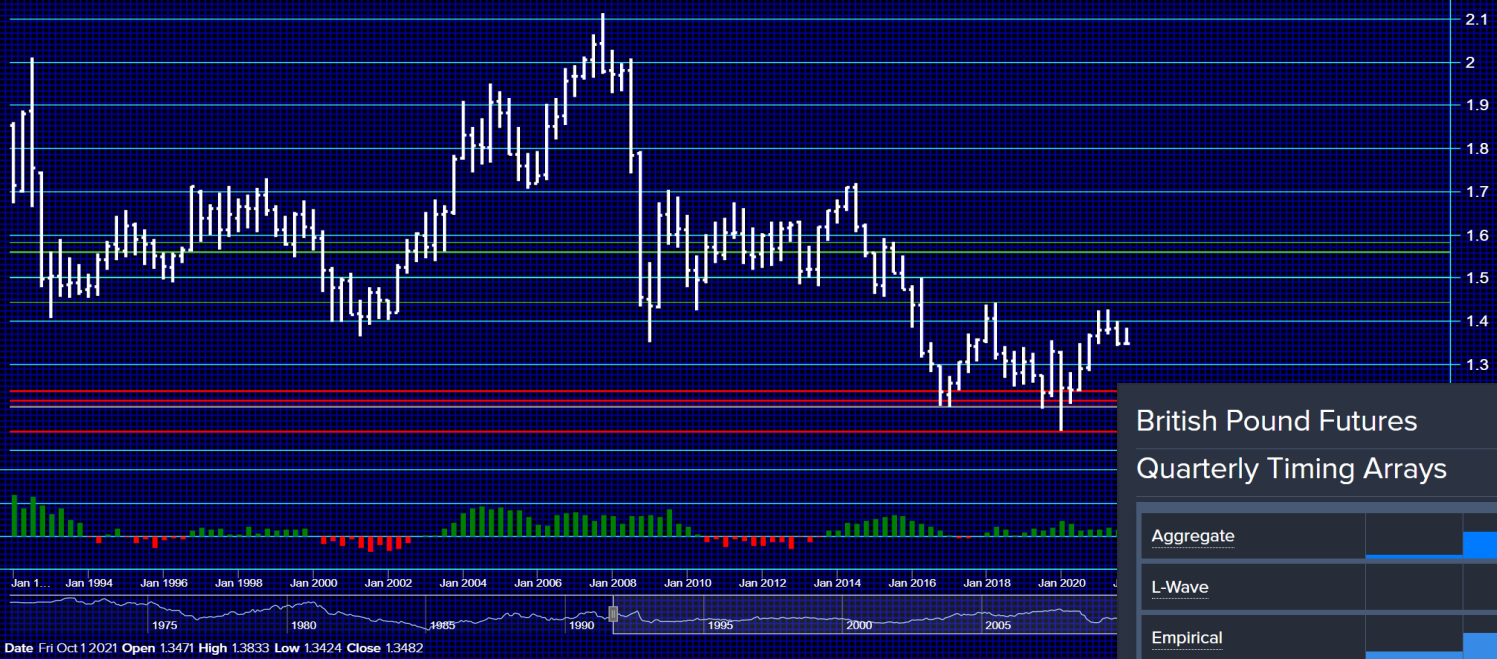
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Bearish	Bearish	Bearish	Bearish	No Change

British Pound Futures Yearly Timing Arrays

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Aggregate	Blue	Blue	Pink	Blue	Pink	Pink	Blue	Pink	Pink	Blue	Pink	Blue
L-Wave	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Empirical	Blue	Blue	Cyan	Blue	Cyan	Cyan	Blue	Cyan	Cyan	Blue	Blue	Cyan
Long Term	Yellow	Yellow	Yellow	Yellow	Orange	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Trading Cycle				Green				Green	Red		Red	Green
Direction Change	Blue	Blue	Blue		Blue			Blue				
Panic Cycle							Yellow					
Internal Volatility		Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
Overnight Volatility		Blue	Yellow	Blue	Blue	Yellow	Blue	Yellow	Blue	Blue	Blue	Blue

POUND STERLING (as of QUARTERLY close – Sept 2021)

British Pound Futures (GBPUSD)
Expressed in US Dollar



Date: Fri Oct 1 2021 Open: 1.3471 High: 1.3833 Low: 1.3424 Close: 1.3482

CHART TOOLS

Quarterly 2.2

Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	1.4414	1.2364	1.2000
	1.5010	1.2144	1.0344
	1.5578	1.1437	
	1.5818		

British Pound Futures Quarterly Timing Arrays

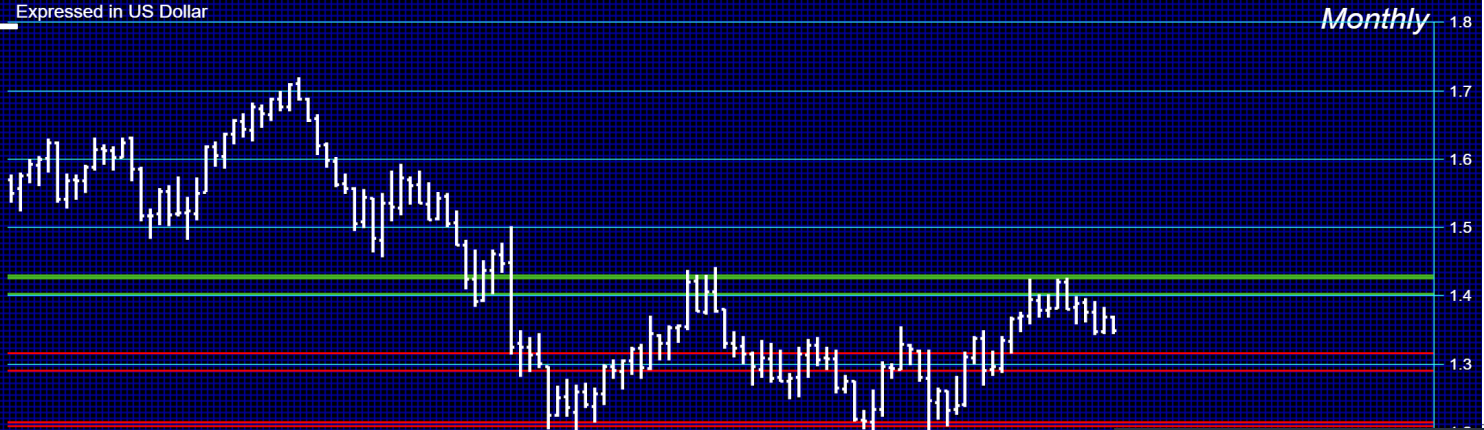
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Bullish	Neutral	Bearish	Bearish	Down 1 Quarter

POUND STERLING (as of MONTHLY close – Oct 2021)

British Pound Futures (GBPUSD)



Monthly Reversals

	BULLISH		BEARISH	
	MAJOR	MINOR	MAJOR	MINOR
		1.4013	1.3145	1.2146
		1.4019	1.2898	
		1.4246	1.2133	
		1.4256	1.2078	
		1.4295		



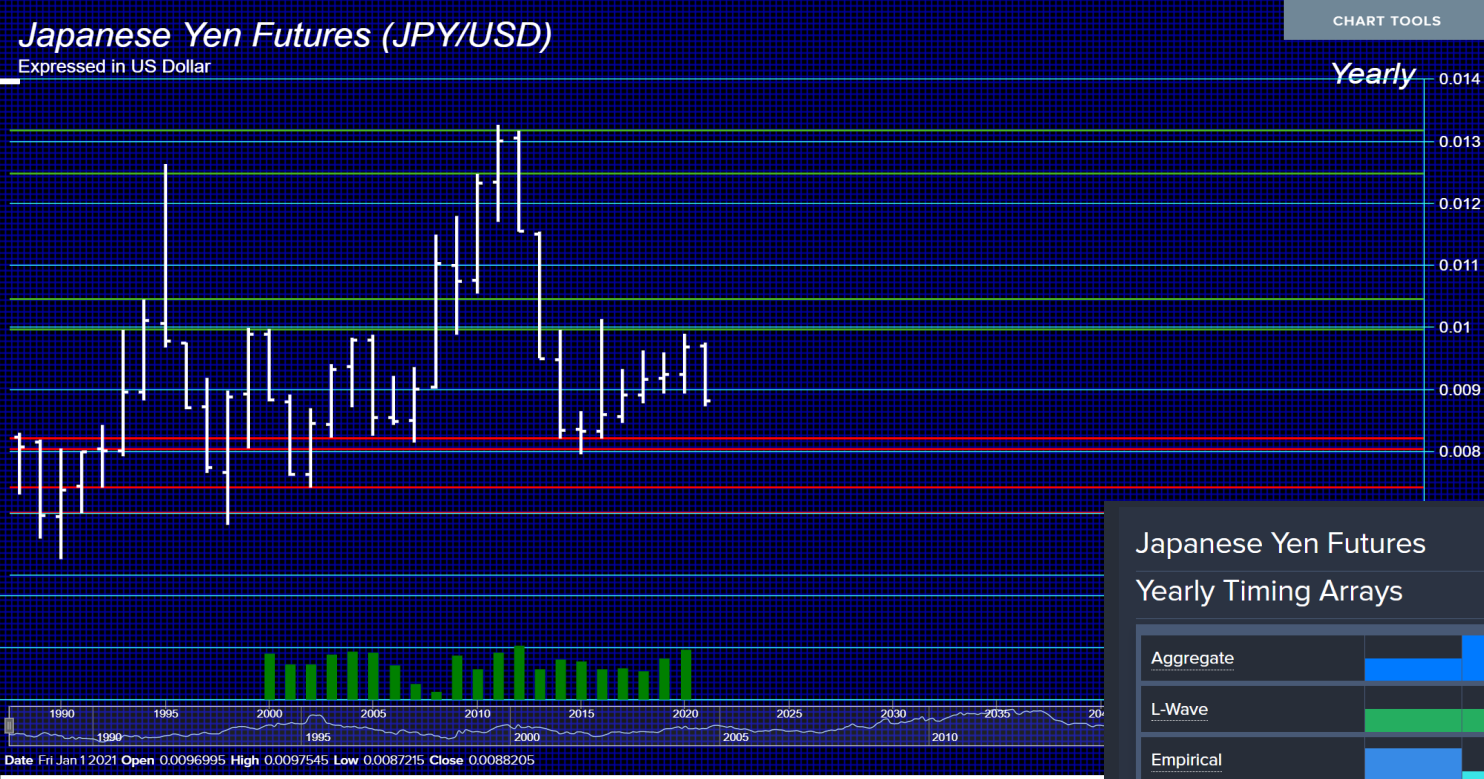
British Pound Futures Monthly Timing Arrays

Aggregate													
L-Wave													
Empirical													
Long Term													
Trading Cycle													
Direction Change													
Panic Cycle													
Internal Volatility													
Overnight Volatility													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Bearish	Bullish	Bullish	Bearish	No Change

YEN (as of YEARLY close – 2020)

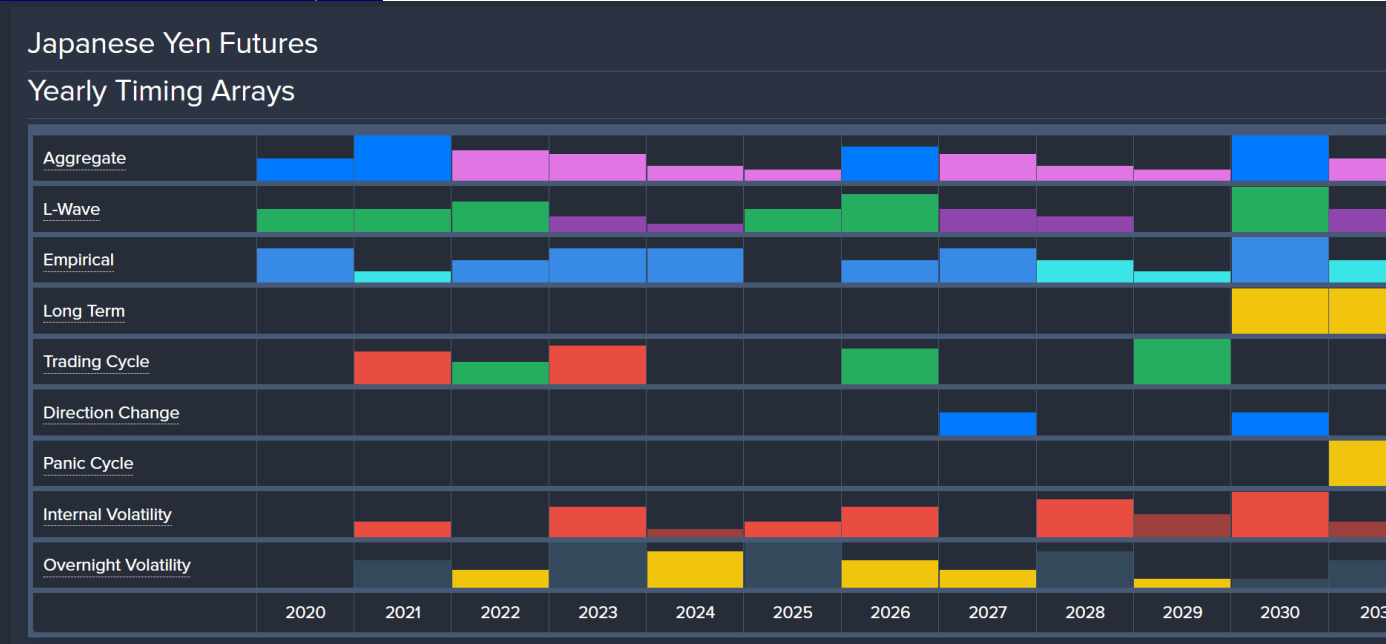


Yearly Reversals

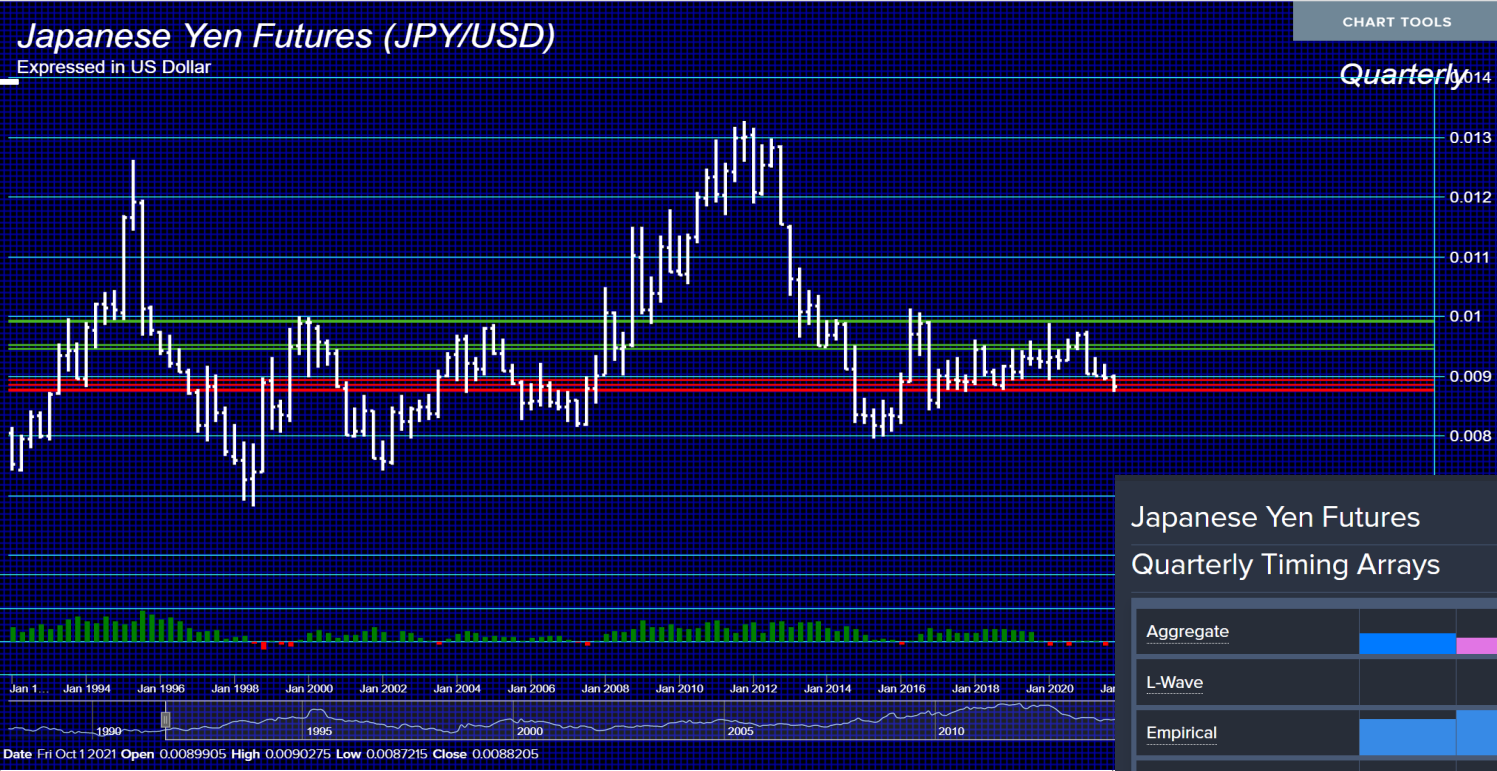
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
0.009957		0.007002	0.008210
0.010443			0.008206
0.012467			0.008030
0.013170			0.007414

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Neutral	Bullish	No Change



YEN (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
0.009900	0.009442	0.008933	0.008848
0.009928	0.009512	0.008766	0.008760
			0.008753

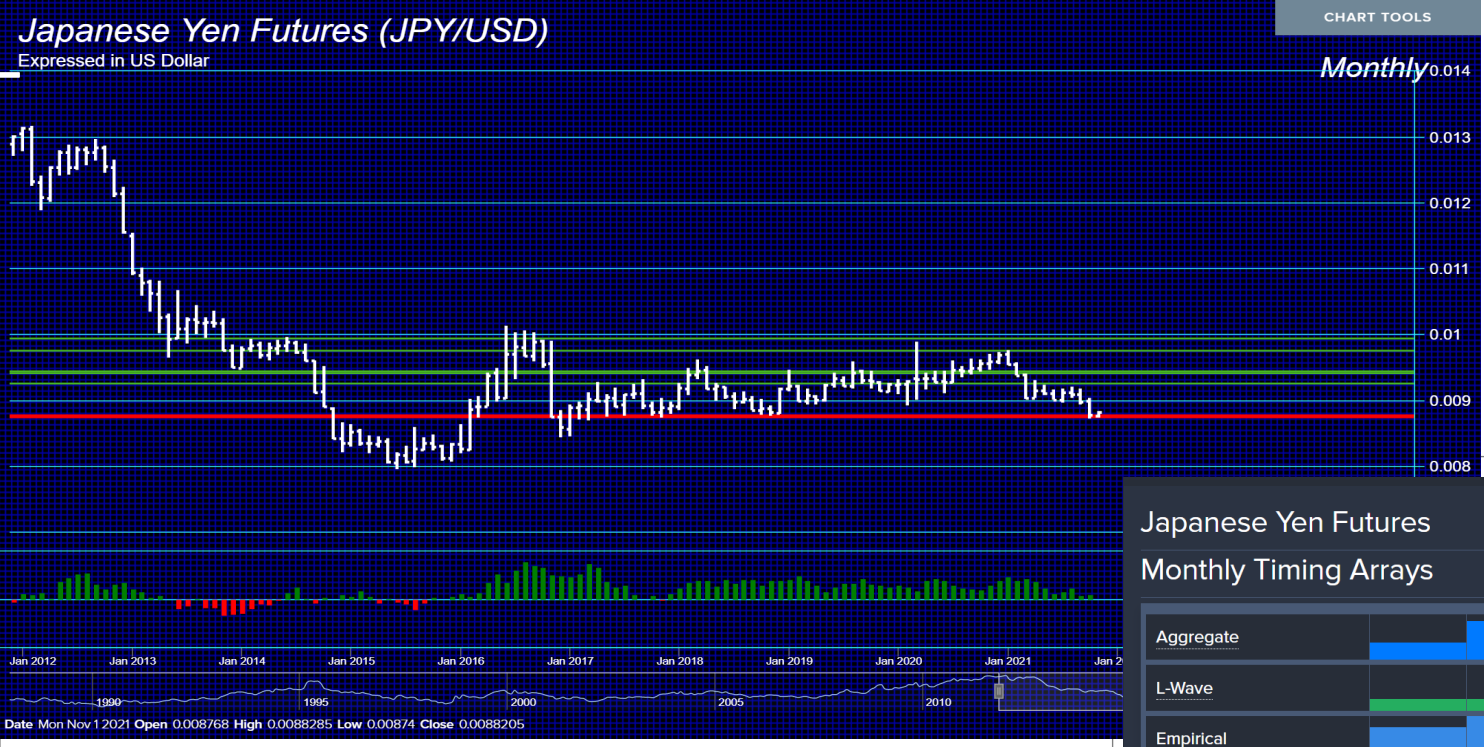
Japanese Yen Futures Quarterly Timing Arrays

Aggregate													
L-Wave													
Empirical													
Long Term													
Trading Cycle													
Direction Change													
Panic Cycle													
Internal Volatility													
Overnight Volatility													
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bearish	Bearish	Bearish	Bullish	Bearish	Down 1 Quarter

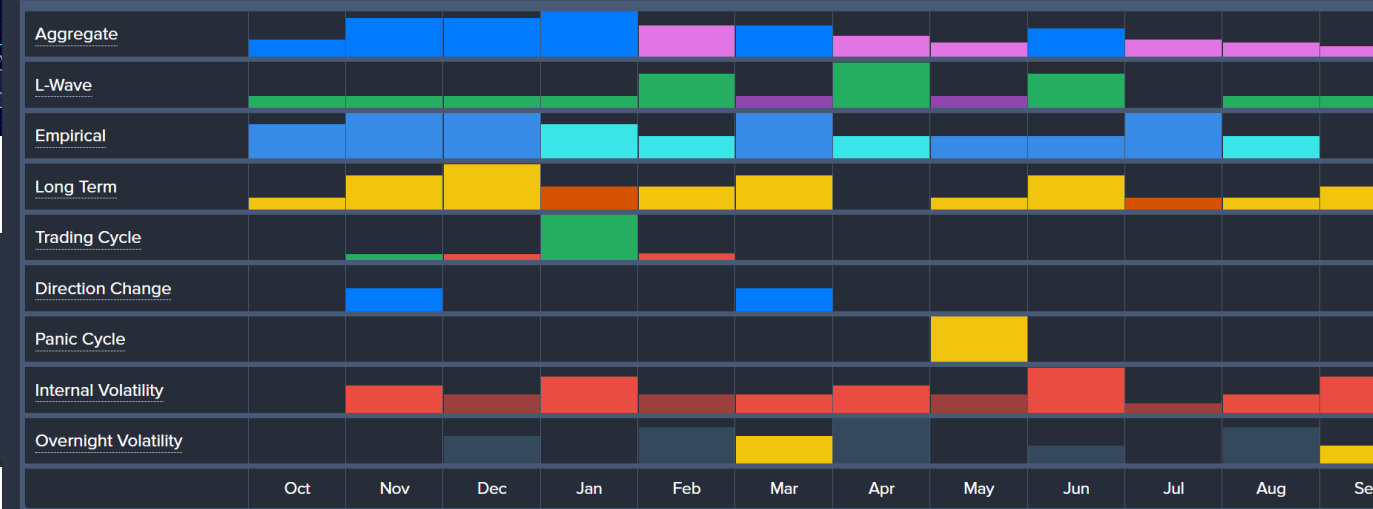
YEN (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
0.009930	0.009247	0.008754	0.008773
	0.009403		0.008760
	0.009442		0.008753
	0.009755		0.008734

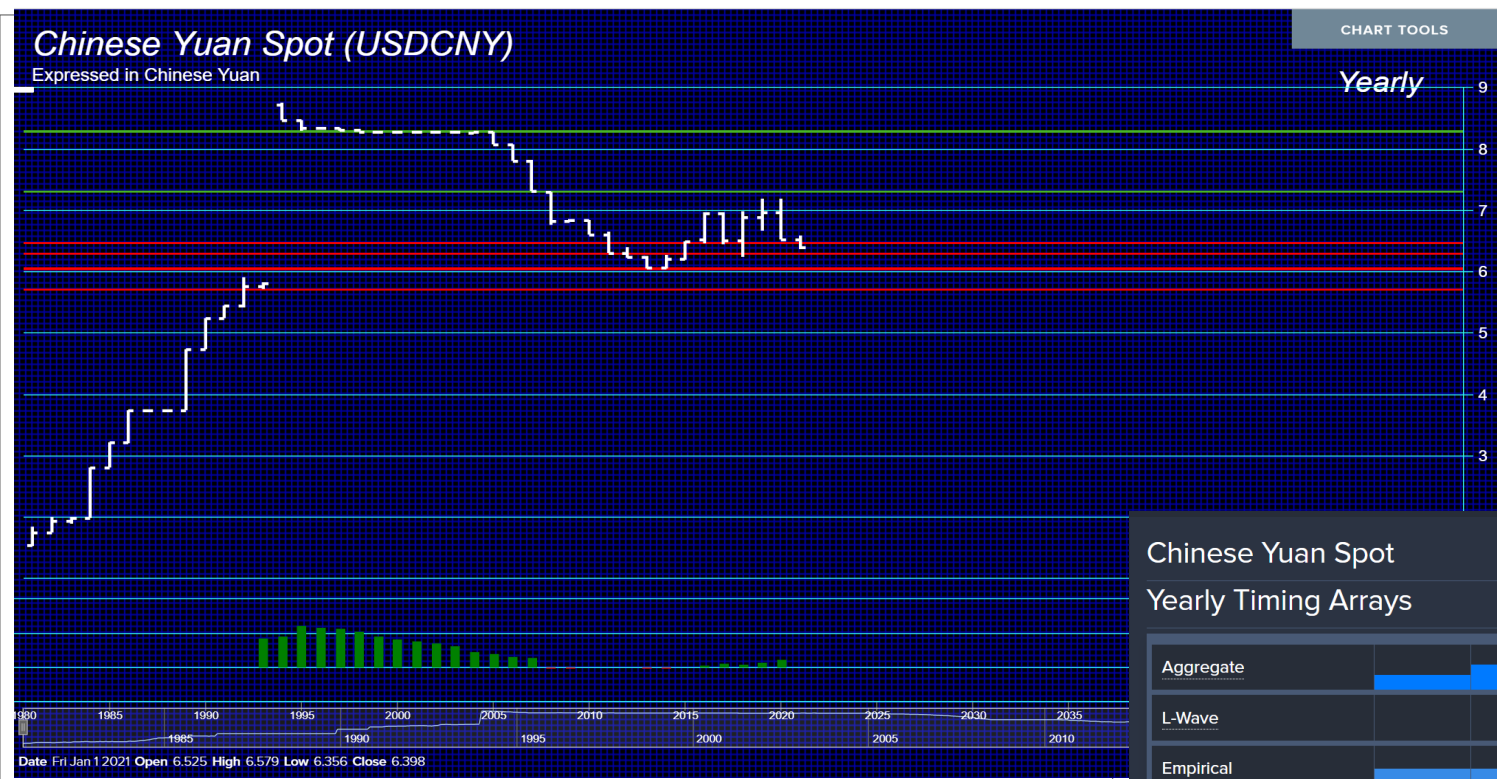
Japanese Yen Futures Monthly Timing Arrays



Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Bearish	Bearish	Bearish	Bearish	Down 2 Months

CNY (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
7.2935	8.2768	6.4527	6.2930
8.2776	8.2779	6.0401	6.0507
8.2800		5.7075	

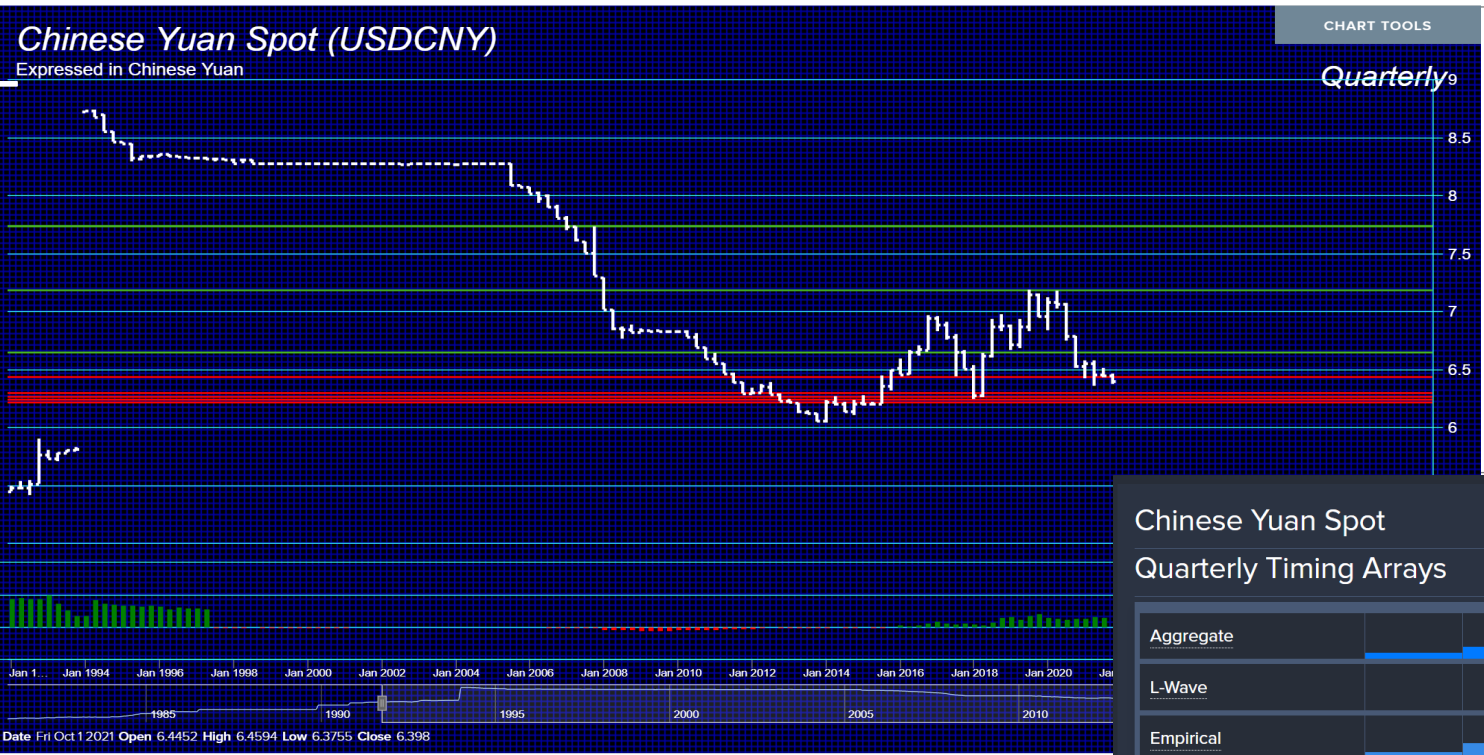
Chinese Yuan Spot Yearly Timing Arrays

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Aggregate	Blue	Blue	Pink	Blue	Blue	Pink	Pink	Blue	Blue	Blue	Pink	Blue
L-Wave					Green			Green		Green		
Empirical	Blue	Blue	Cyan	Blue		Blue	Blue	Blue	Blue	Blue	Cyan	Blue
Long Term												
Trading Cycle		Green	Red		Red	Yellow	Red		Green	Red		Red
Direction Change	Blue	Blue	Blue									
Panic Cycle												Yellow
Internal Volatility			Red	Red	Red	Red	Red		Red	Red	Red	Red
Overnight Volatility												

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Neutral	Bullish	Bearish	Bearish	Bearish	Down 1 Year

CNY (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
6.6400	7.7307	6.2600	6.4340
7.1780	7.7360	6.2106	6.2970
7.7300			6.2399

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bearish	Bearish	Neutral	Bullish	Bullish	No Change

Chinese Yuan Spot Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024

CNY (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
6.4890		6.3240	6.2600
6.5880			6.2399
6.7500			6.2092
6.7920			6.2000
6.9770			

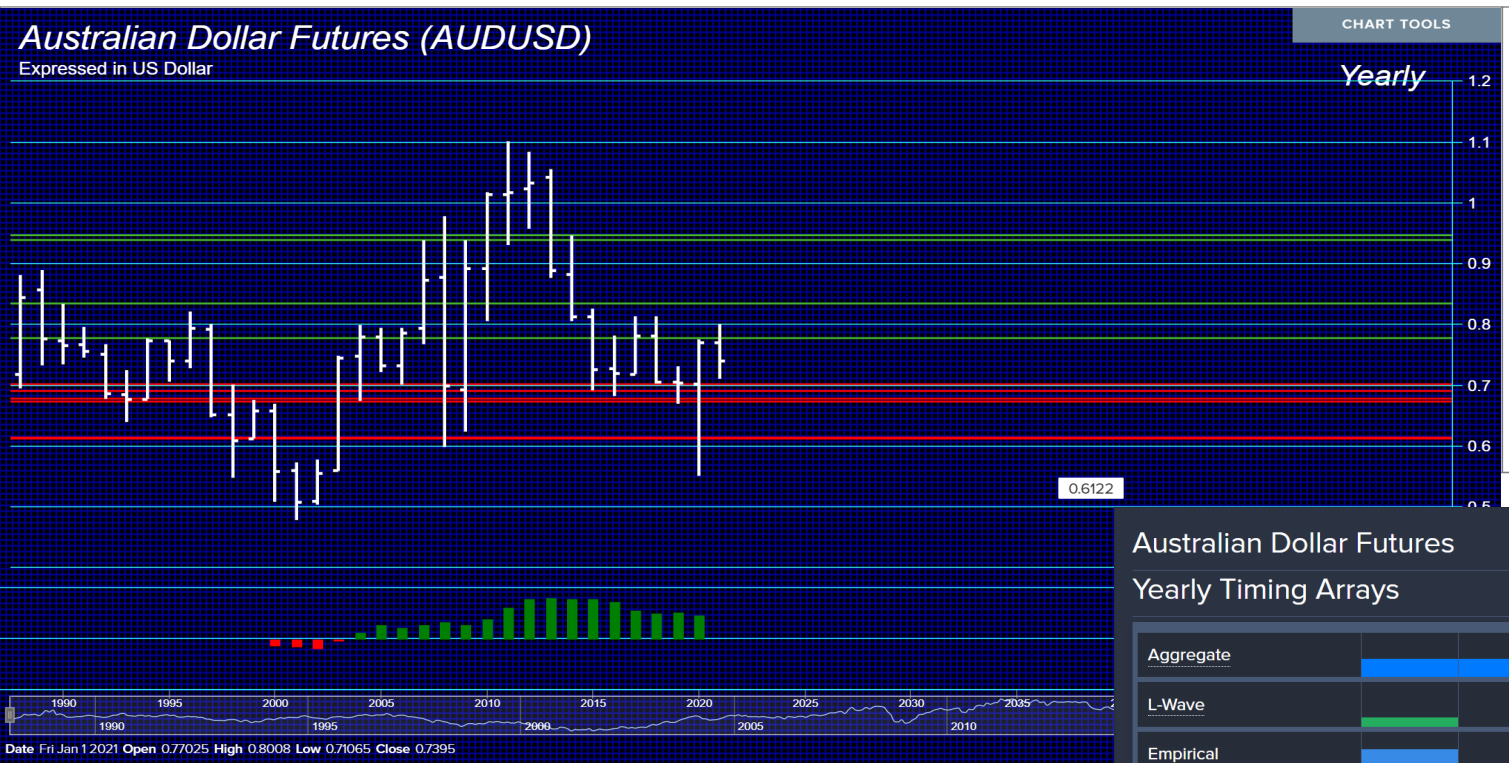
Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Neutral	Bearish	Bearish	Bearish	Down 2 Months

Chinese Yuan Spot Monthly Timing Arrays

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Se
Aggregate	Blue	Blue	Blue	Pink	Blue	Pink	Blue	Blue	Pink	Blue	Pink	Pink
L-Wave		Green				Green	Green	Green		Green	Green	Green
Empirical	Blue	Blue	Blue	Cyan	Blue	Cyan	Blue	Blue	Blue	Cyan	Blue	Cyan
Long Term	Yellow	Yellow	Orange	Yellow	Orange	Orange	Yellow	Yellow		Yellow	Orange	Orange
Trading Cycle			Green				Green			Green		
Direction Change		Blue										
Panic Cycle								Yellow				
Internal Volatility		Red	Red		Red		Red	Red		Red		Red
Overnight Volatility								Yellow		Yellow		Yellow

AUS DOLLAR (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
0.7768	0.8336	0.7005	0.6904
0.9383			0.6774
0.9455			0.6720
			0.6122

Australian Dollar Futures Yearly Timing Arrays

Aggregate													
L-Wave													
Empirical													
Long Term													
Trading Cycle													
Direction Change													
Panic Cycle													
Internal Volatility													
Overnight Volatility													
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Neutral	Neutral	Neutral	Bearish	No Change

AUS DOLLAR (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
0.7772	0.7814	0.5886	0.6684
0.8262			0.5974
0.8795			0.5500
			0.5464

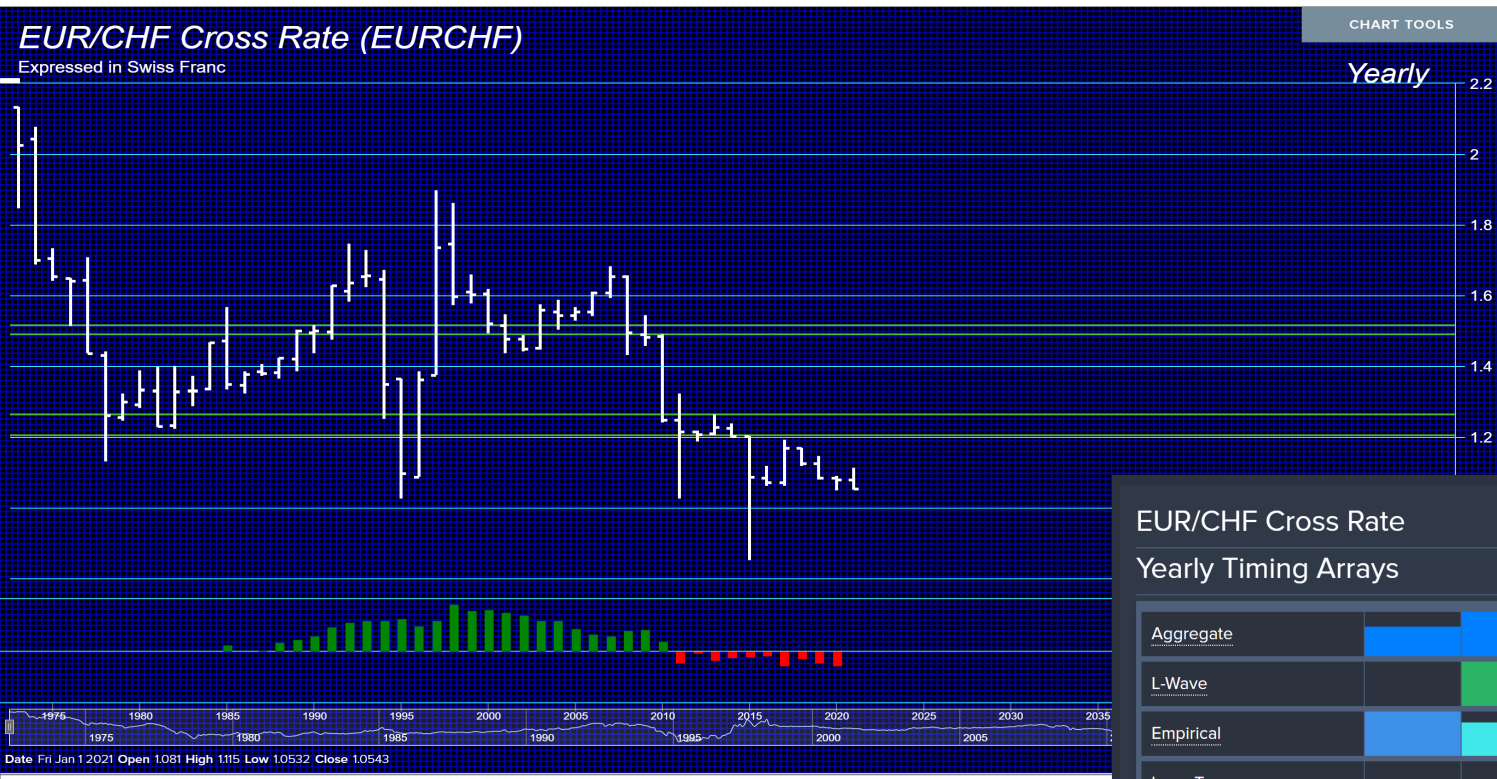
Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Neutral	Bullish	Bearish	Bearish	Bearish	Down 2 Quarters

Australian Dollar Futures Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024

EUR/CHF (as of YEARLY close – 2020)



Yearly Reversals

	BULLISH		BEARISH	
	MAJOR	MINOR	MAJOR	MINOR
	1.2050			
	1.2654			
	1.4892			
	1.5155			

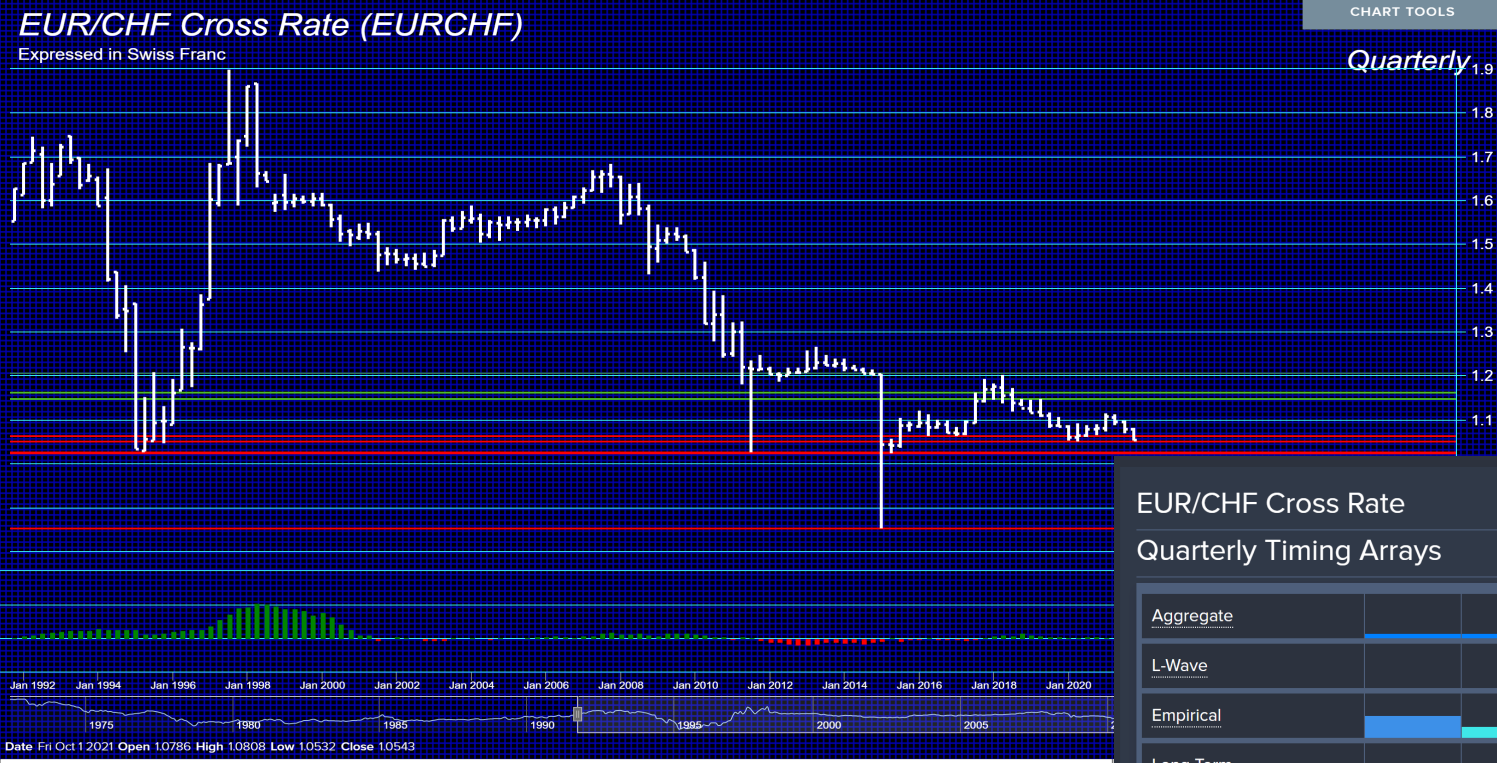
EUR/CHF Cross Rate Yearly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Neutral	Bearish	Bearish	Bearish	Down 2 Years

EUR/CHF (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.1470	1.1625	1.0257	1.0631
1.1478	1.2050	0.8516	1.0504
			1.0233

Date: Fri Oct 1 2021 Open: 1.0786 High: 1.0808 Low: 1.0532 Close: 1.0543

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Neutral	Bearish	Neutral	Bearish	Down 1 Quarter

EUR/CHF Cross Rate Quarterly Timing Arrays

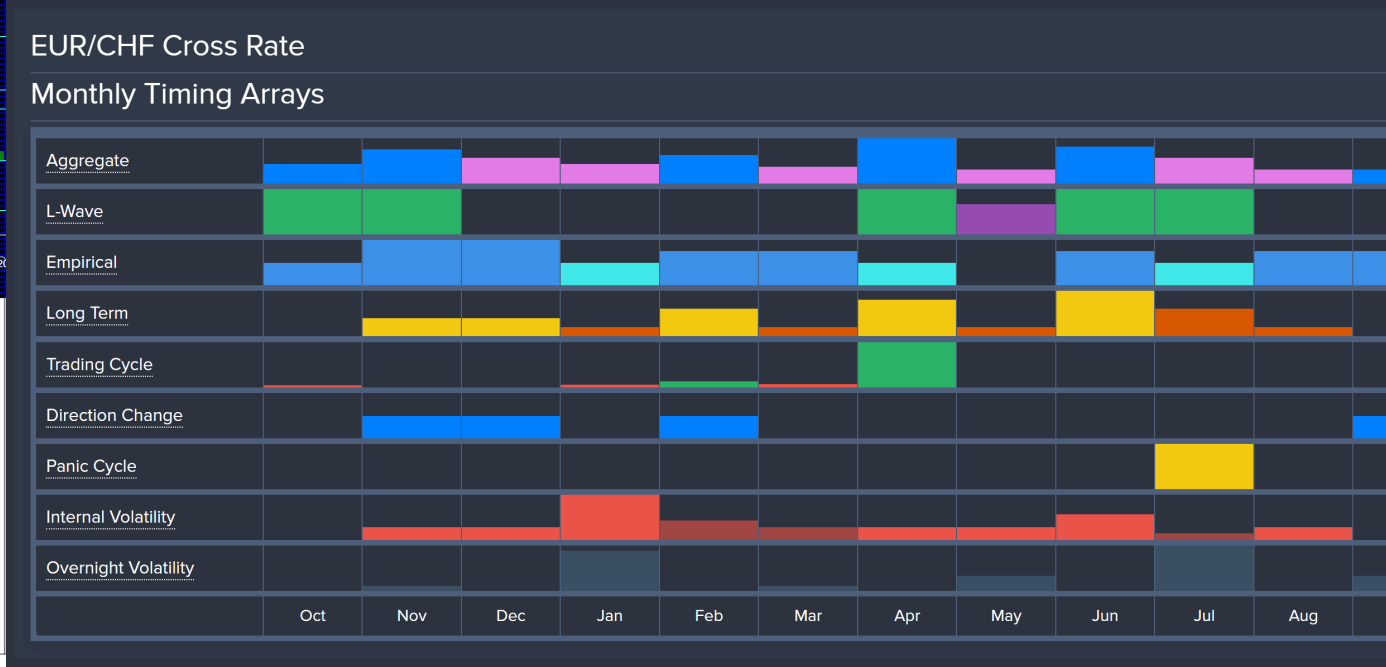
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate			Blue			Blue				Blue		
L-Wave												
Empirical			Blue			Blue			Blue		Blue	
Long Term			Yellow			Yellow			Yellow		Yellow	
Trading Cycle												
Direction Change			Blue			Blue						
Panic Cycle												Yellow
Internal Volatility							Red					Red
Overnight Volatility												

EUR/CHF (as of MONTHLY close – Oct 2021)



Monthly Reversals

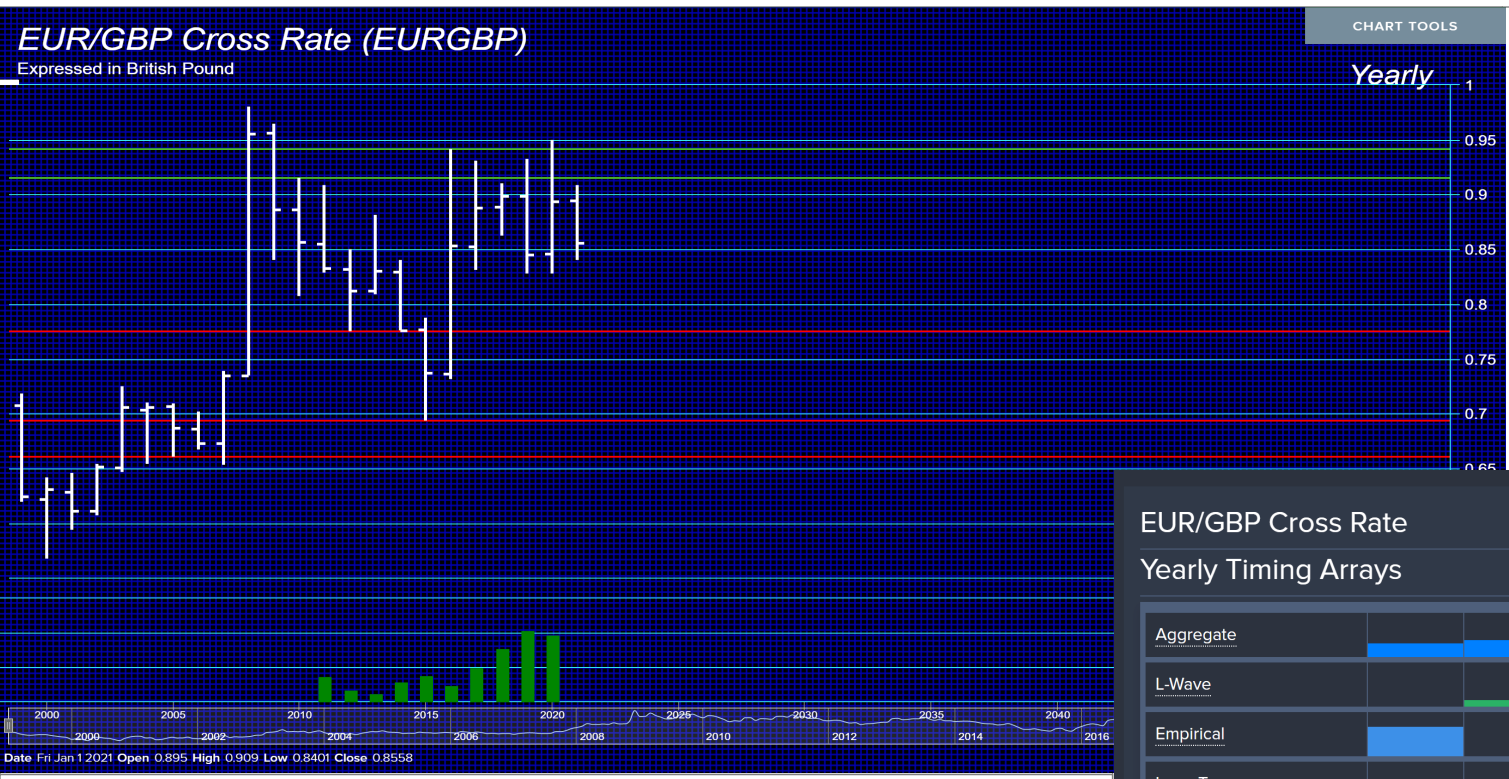
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	1.1130		1.0507
	1.1160		1.0360
	1.1450		1.0295
	1.1456		1.0277
	1.1478		1.0268



Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bearish	Bearish	Bearish	Bearish	Bearish	Down 1 Month

EUR/GBP (as of YEARLY close – 2020)

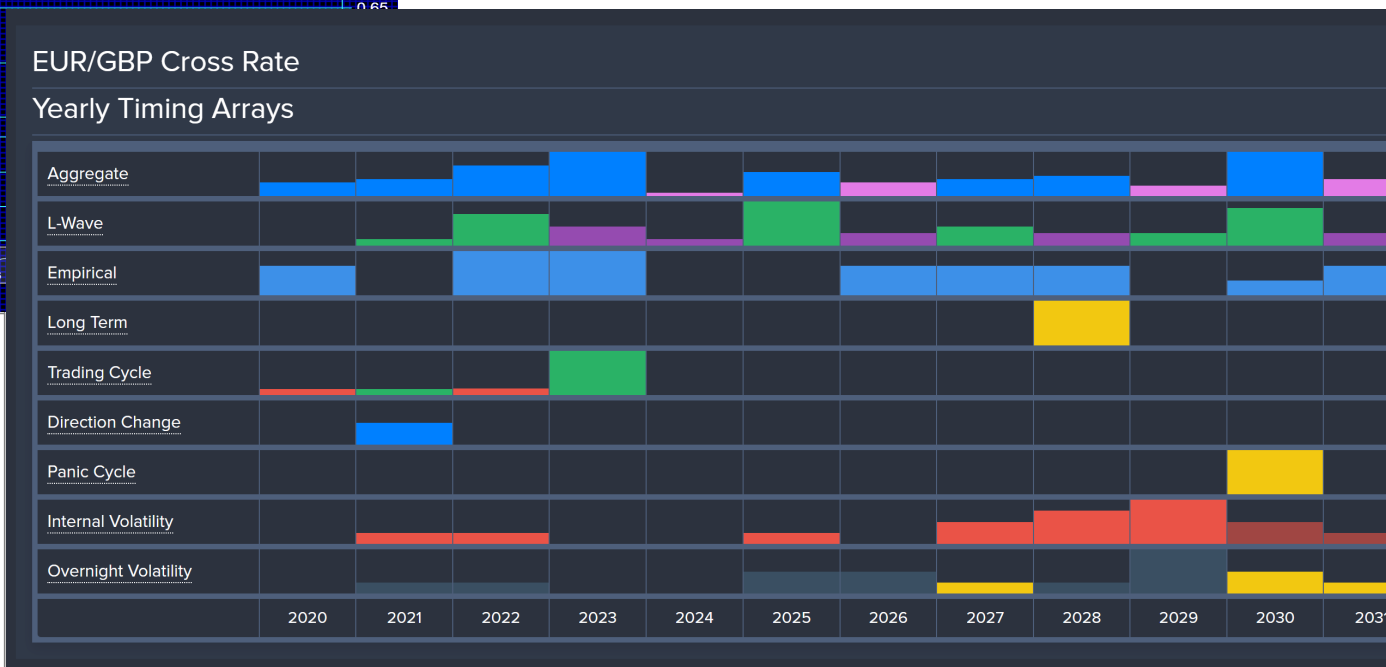


Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
0.9149	0.9416	0.6936	0.7752
		0.6606	0.7750

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Bullish	Bullish	Neutral	Bullish	No Change



EUR/GBP (as of QUARTERLY close – Sept 2021)

EUR/GBP Cross Rate (EURGBP)
Expressed in British Pound

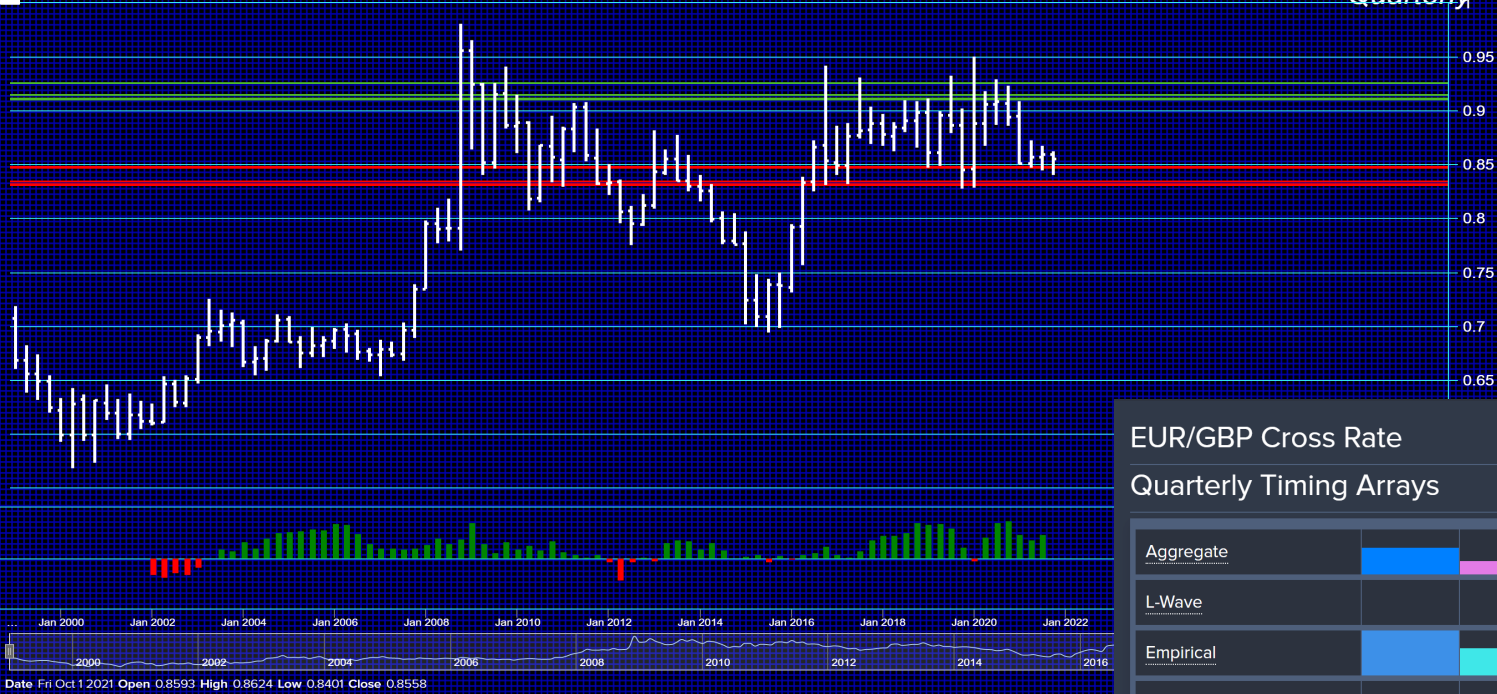


CHART TOOLS

Quarterly

Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
0.9257	0.9100	0.8480	0.8341
	0.9109	0.8472	0.8313
	0.9149	0.8305	
	0.9255		

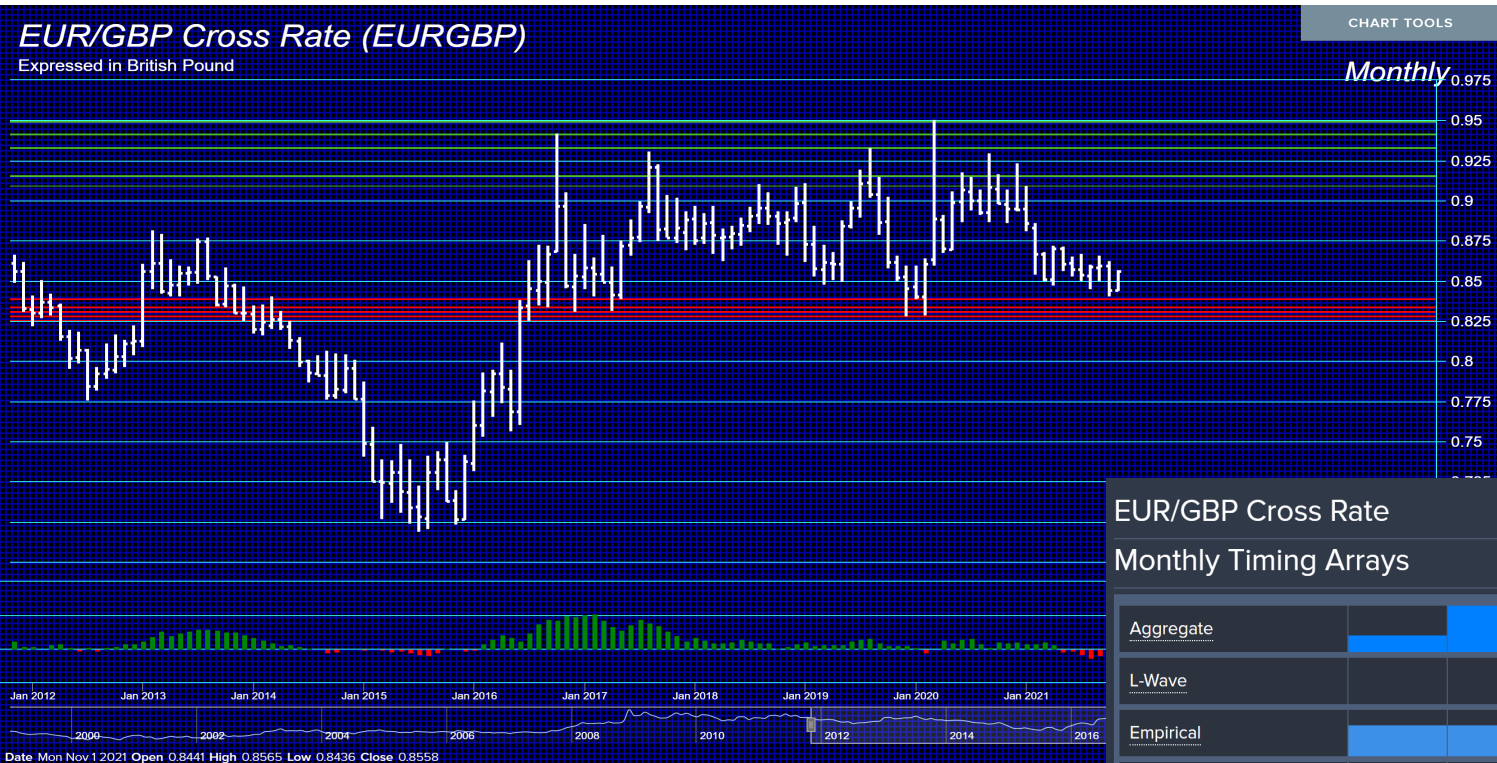
EUR/GBP Cross Rate Quarterly Timing Arrays

Aggregate	Blue	Pink	Pink	Pink	Blue	Blue	Pink	Pink	Blue	Pink	Pink	Pink
L-Wave						Green			Green	Purple		
Empirical	Blue	Cyan	Cyan	Cyan	Blue	Cyan	Blue	Blue	Blue	Blue	Blue	Cyan
Long Term	Yellow				Yellow		Yellow		Yellow	Yellow	Yellow	Yellow
Trading Cycle	Yellow	Red			Yellow		Red	Green				
Direction Change			Blue			Blue	Blue				Blue	
Panic Cycle										Yellow		
Internal Volatility							Red					
Overnight Volatility												
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Bearish	Bearish	Bullish	Bearish	No Change

EUR/GBP (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
0.9088	0.9410	0.8384	0.8334
0.9150	0.9488	0.8276	0.8305
0.9326		0.8251	

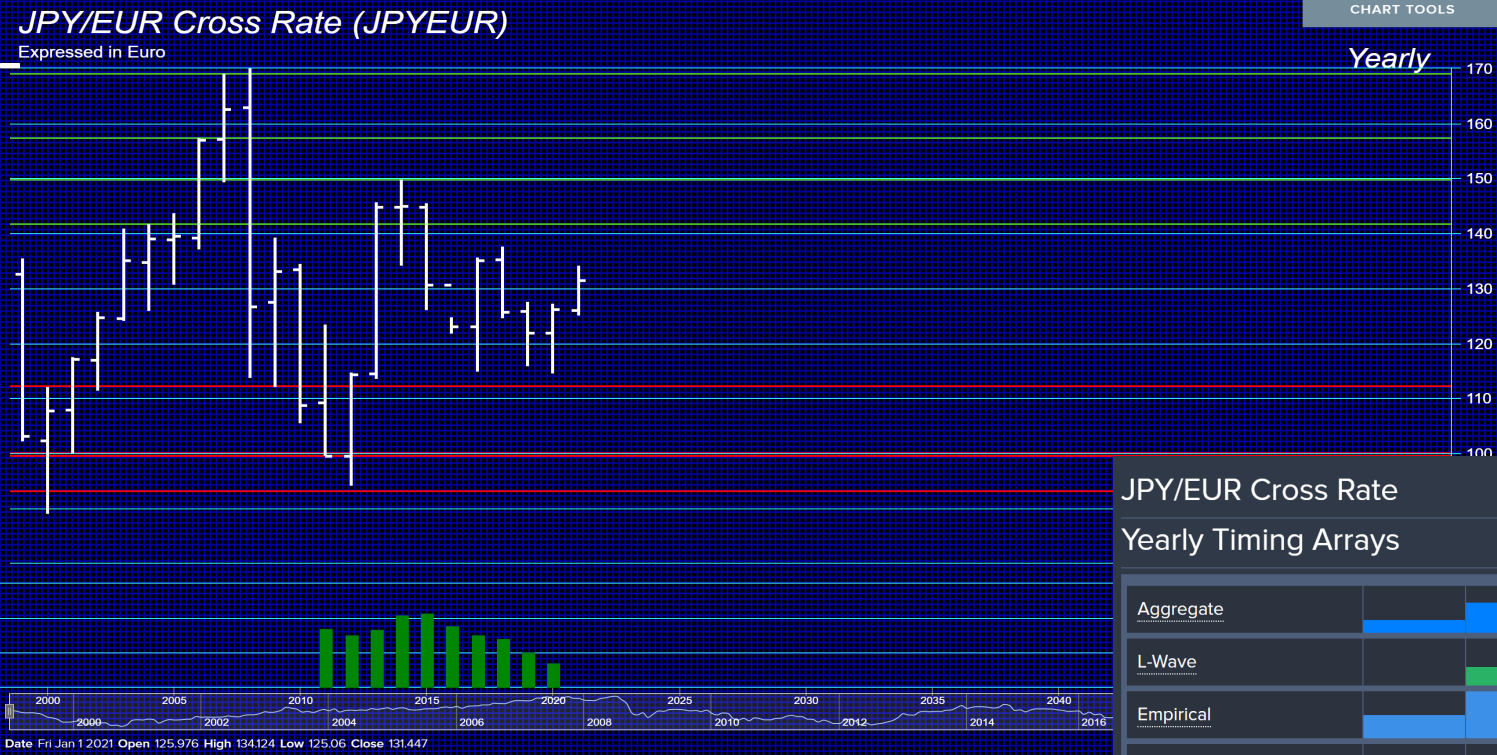
EUR/GBP Cross Rate Monthly Timing Arrays

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Se
Aggregate		Blue	Pink	Pink	Blue	Blue	Pink	Blue	Pink	Blue	Pink	Blue
L-Wave			Green		Green	Green	Purple	Green	Purple			Green
Empirical	Blue	Blue	Cyan	Blue	Cyan	Blue	Cyan	Blue	Cyan	Blue	Cyan	Blue
Long Term	Yellow	Yellow	Orange	Yellow	Orange	Yellow	Orange	Yellow	Orange	Yellow	Orange	Yellow
Trading Cycle		Green	Red		Red							
Direction Change	Blue		Blue			Blue						
Panic Cycle								Yellow				
Internal Volatility		Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
Overnight Volatility		Blue	Blue	Blue	Yellow	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Bearish	Bearish	Bearish	Bearish	Down 1 Month

JPY/EUR (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
169.0410	141.6410		112.0990
	149.7210		99.9290
	157.2410		99.5290
			93.0010

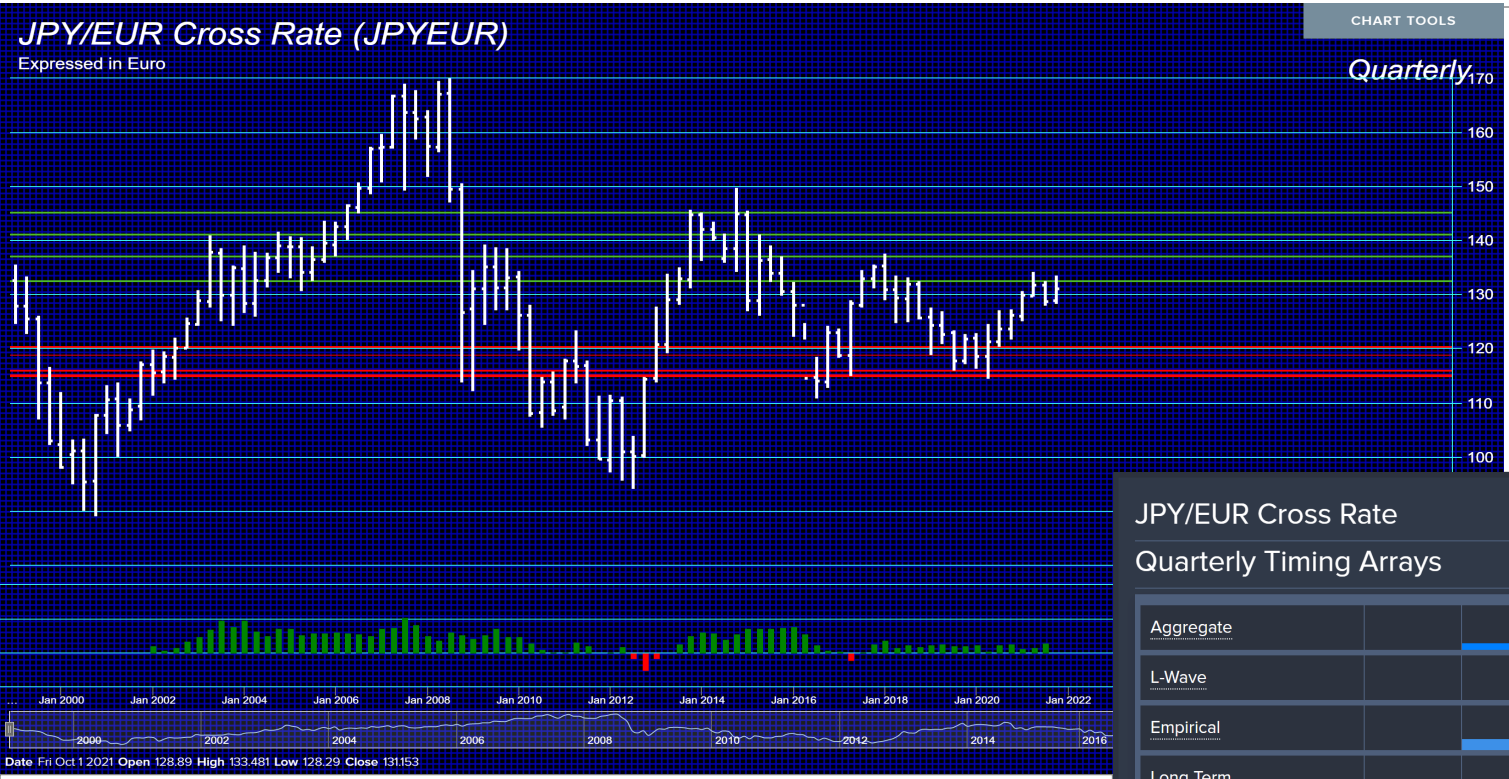
JPY/EUR Cross Rate Yearly Timing Arrays

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Aggregate		Blue	Blue	Blue	Blue	Pink	Blue	Pink	Pink	Blue	Pink
L-Wave			Green	Green	Purple		Green	Purple	Purple	Green	Green
Empirical		Blue	Blue	Blue	Blue	Cyan	Blue	Blue	Blue	Blue	Cyan
Long Term									Yellow		
Trading Cycle		Red	Green	Red	Green						
Direction Change		Blue	Blue								
Panic Cycle									Yellow		
Internal Volatility			Red	Red			Red	Red		Red	Red
Overnight Volatility				Yellow				Yellow			

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Neutral	Bearish	Neutral	Bearish	No Change

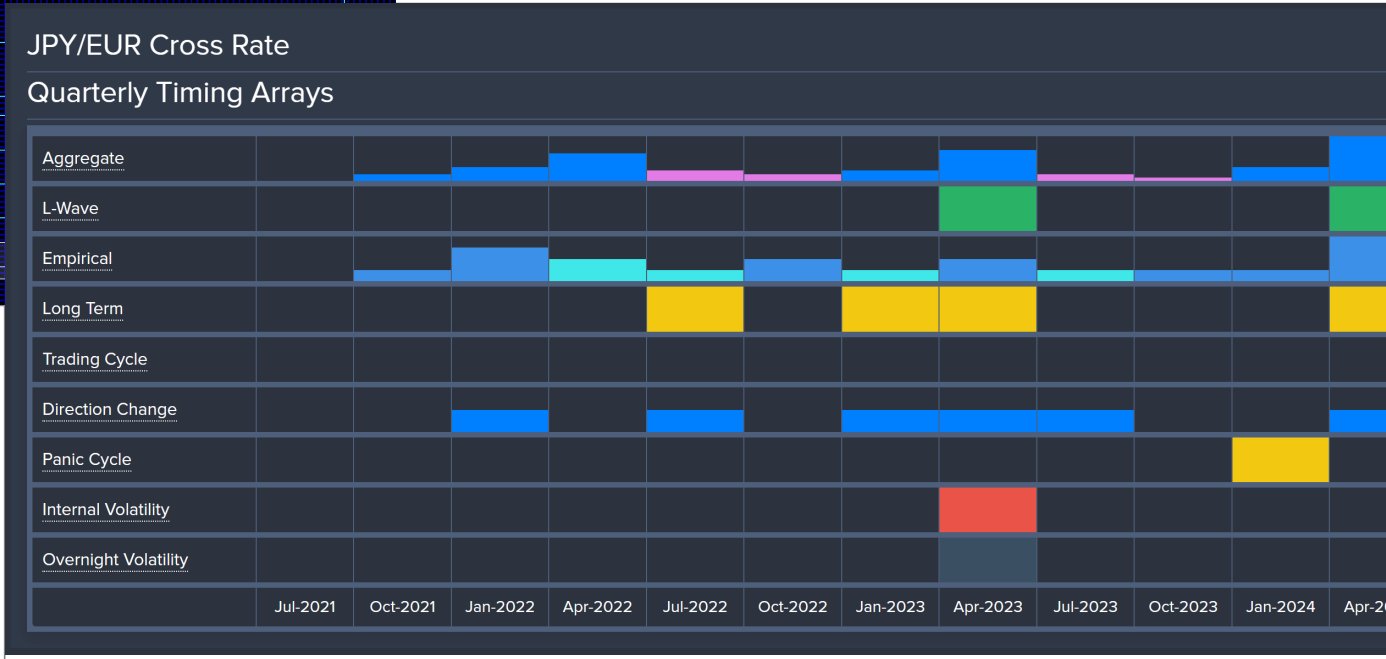
JPY/EUR (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
132.4610	145.0910	114.8490	120.2590
136.9610			118.7090
141.0310			115.8690
			115.0010

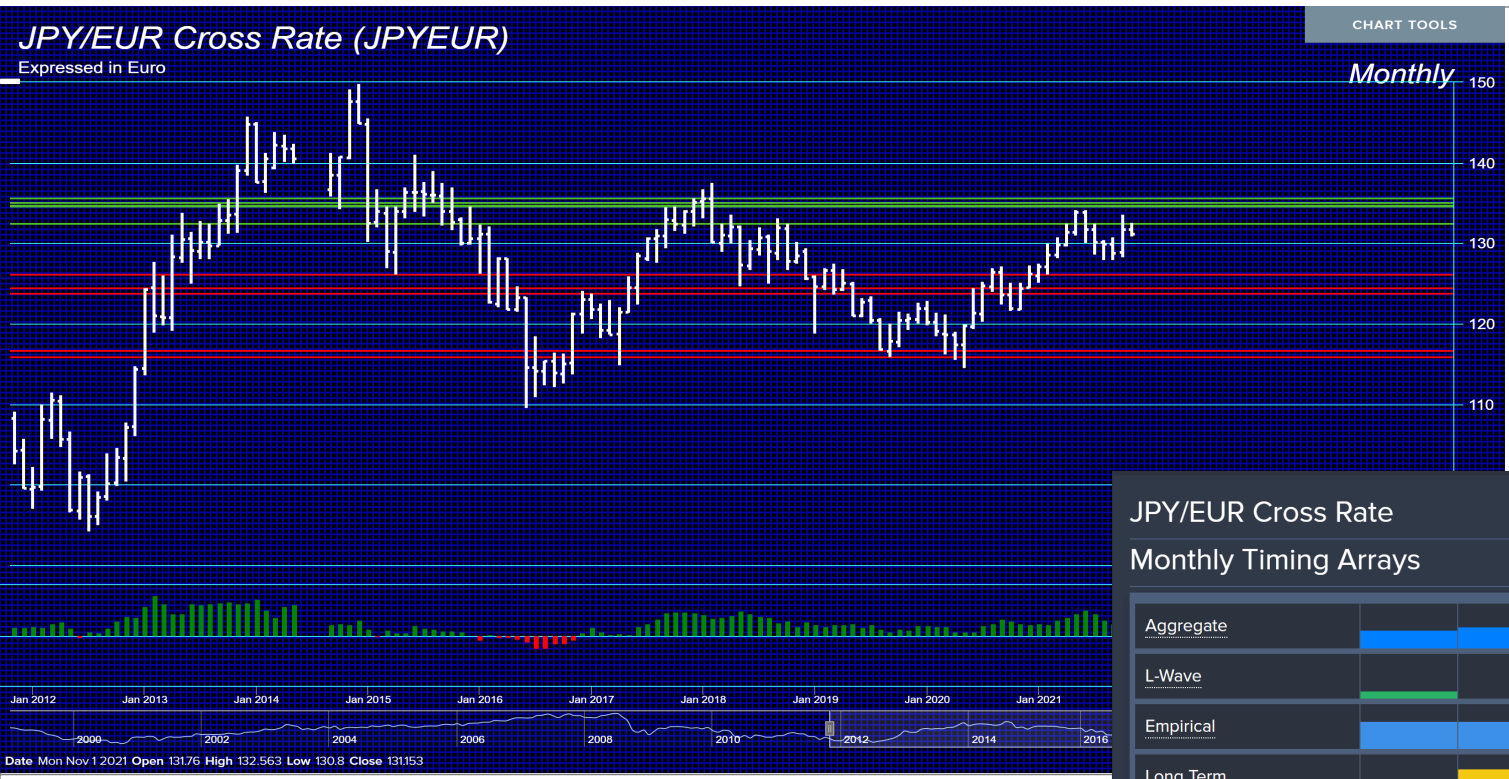
Date: Fri Oct 1 2021 Open: 128.89 High: 133.481 Low: 128.29 Close: 131.153



Quarterly Indicating Ranges

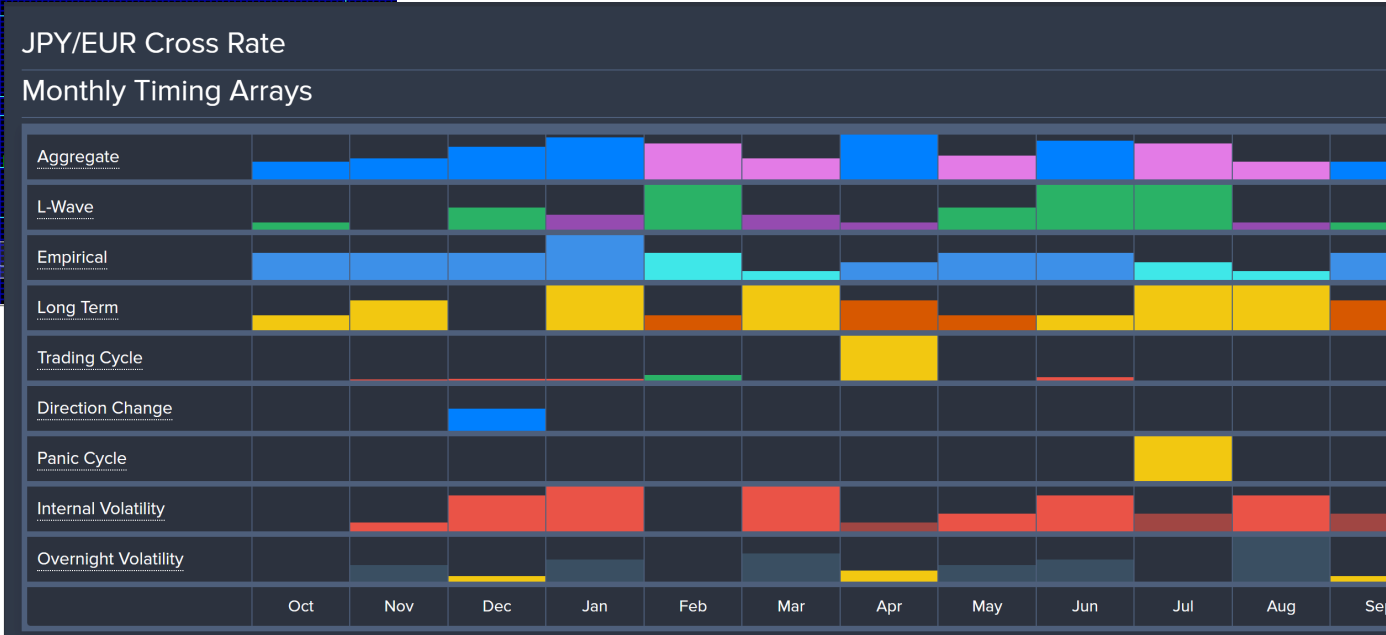
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Neutral	Neutral	Bearish	Down 1 Quarter

JPY/EUR (as of MONTHLY close – Oct 2021)



Monthly Reversals

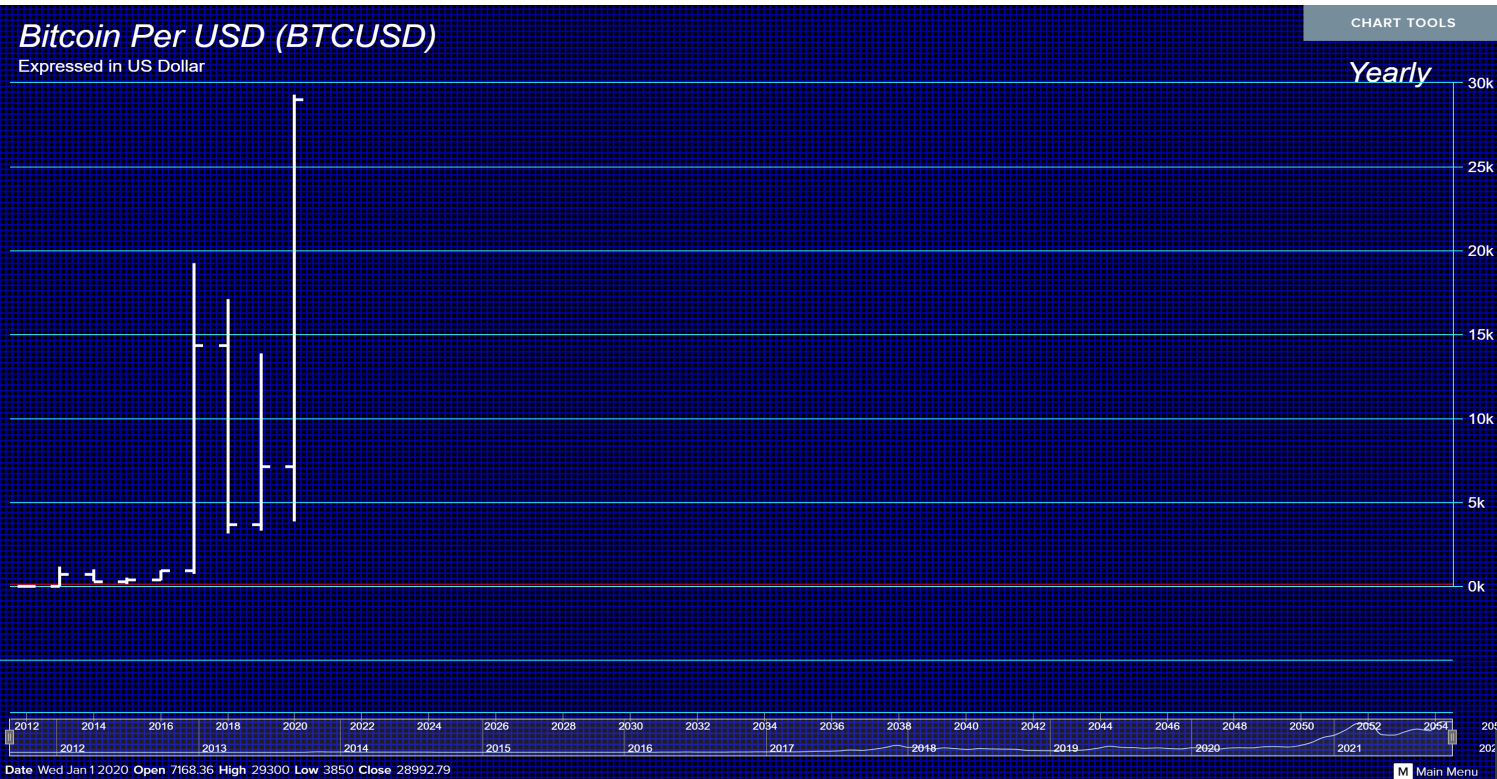
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	132.3670	126.0690	116.5690
	134.5010	124.4190	115.8690
	134.6010	123.6590	
	135.0010		
	135.5210		



Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Neutral	Bullish	Bullish	Bullish	No Change

BITCOIN (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		152.30	

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Neutral	Bullish	Bullish	Neutral	Neutral	Bullish	No Change

Yearly Timing Array

Not Enough History

BITCOIN (as of QUARTERLY close – Sept 2021)

Bitcoin Per USD (BTCUSD)
Expressed in US Dollar

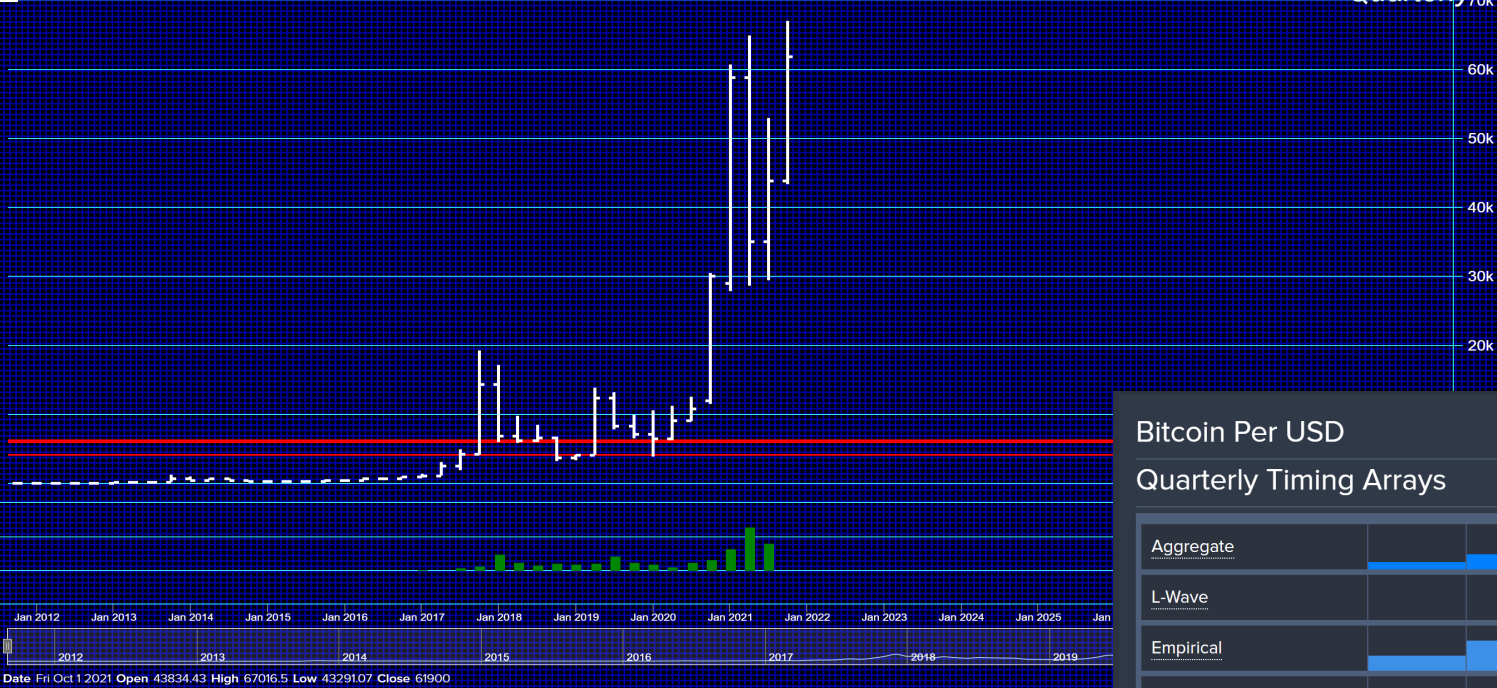


CHART TOOLS

Quarterly 70k

Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		6,137.60	5,920.60
		4,137.80	5,879.00
			4,052.40

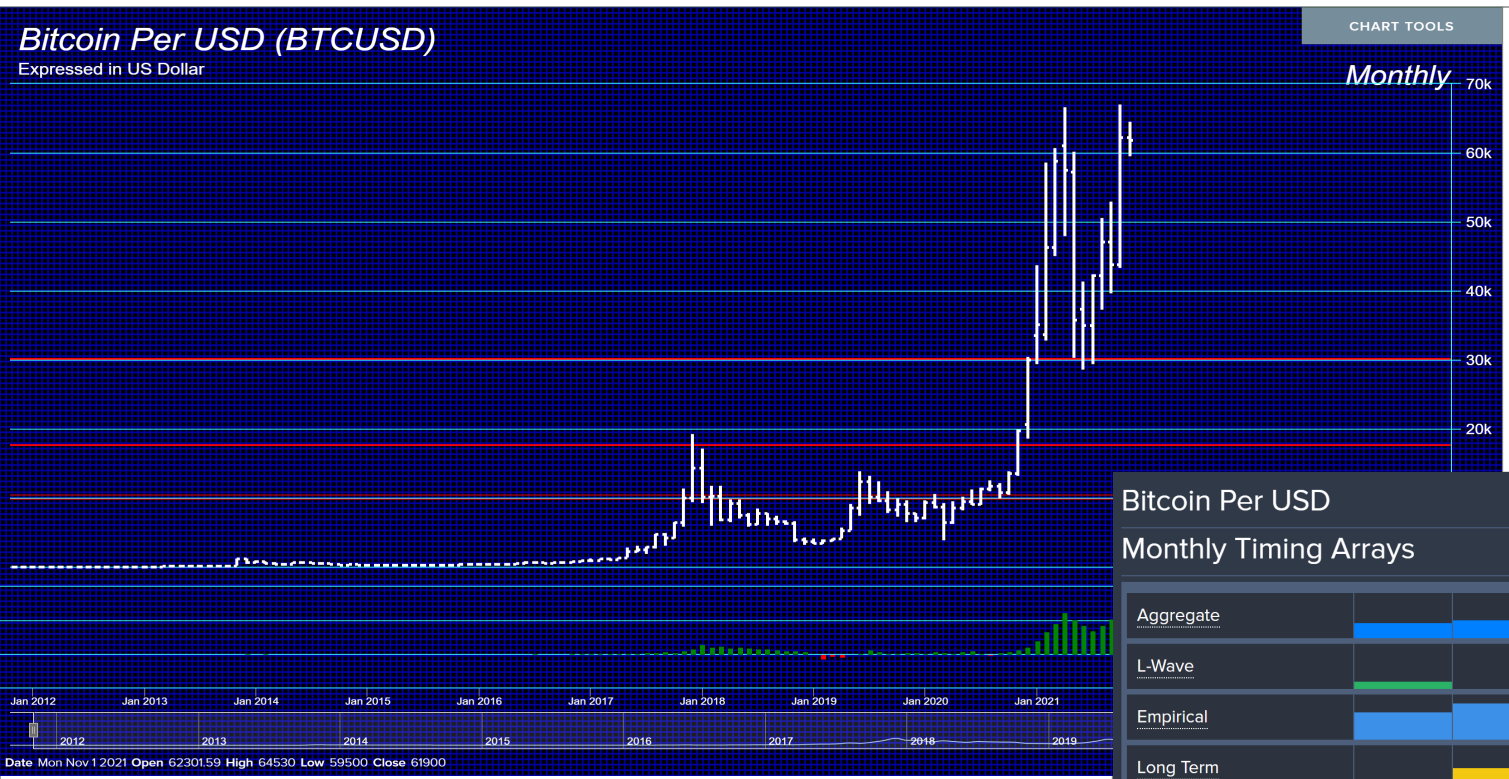
Bitcoin Per USD Quarterly Timing Arrays

Aggregate														
L-Wave														
Empirical														
Long Term														
Trading Cycle														
Direction Change														
Panic Cycle														
Internal Volatility														
Overnight Volatility														
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bearish	No Change

BITCOIN (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		30,065.00	17,569.40
		9,825.06	10,379.00

Bitcoin Per USD Monthly Timing Arrays

Aggregate													
L-Wave													
Empirical													
Long Term													
Trading Cycle													
Direction Change													
Panic Cycle													
Internal Volatility													
Overnight Volatility													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Se	

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

GLOBAL BONDS

2021 WEC Global Markets Overview

US 10-YR (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
2.50	4.00		
3.02	Dbi 4.70		

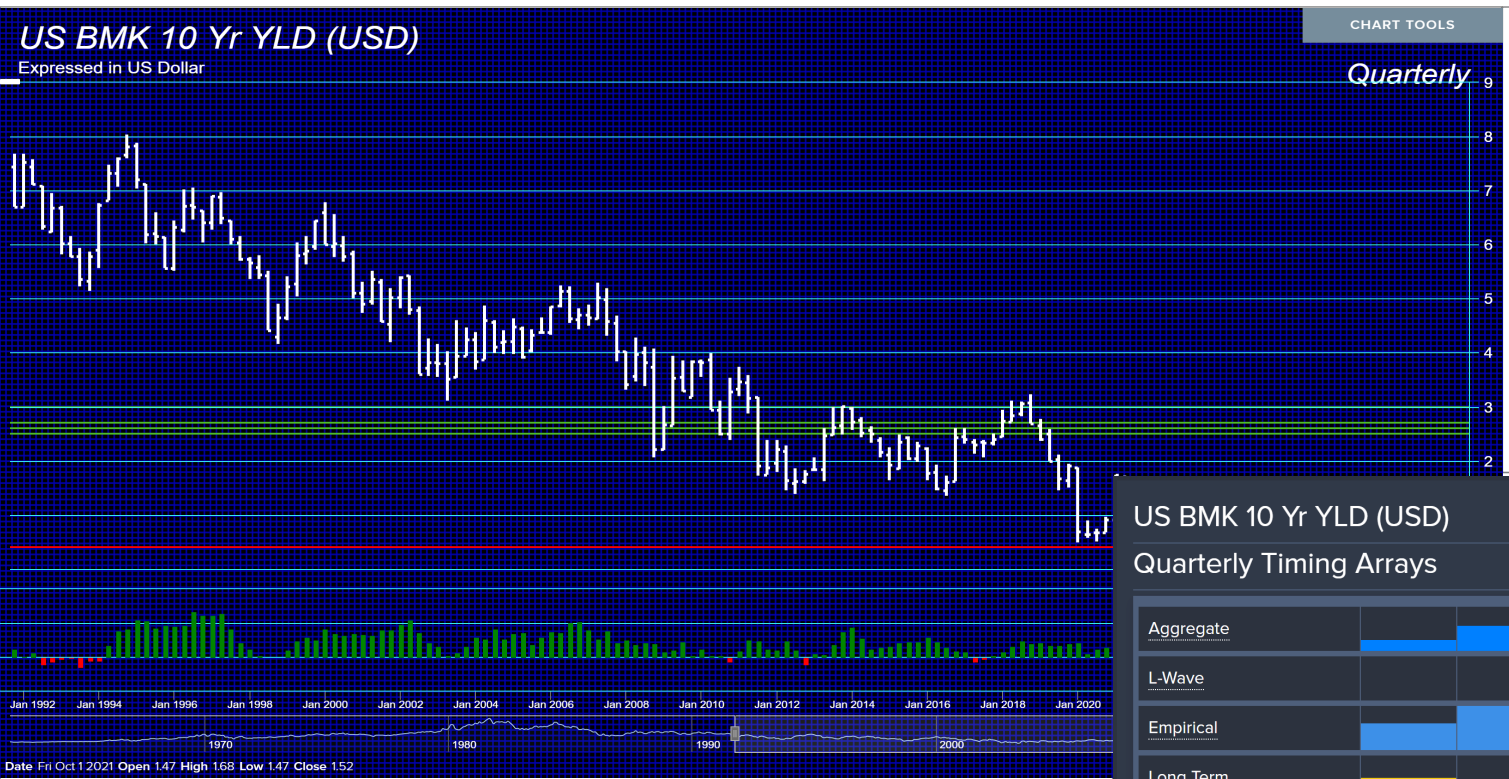
US BMK 10 Yr YLD (USD)
Yearly Timing Arrays



Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bearish	Bearish	Bearish	Bearish	Bearish	Down 2 Years

US 10-YR (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
2.60	2.50		0.40
2.70	3.00		

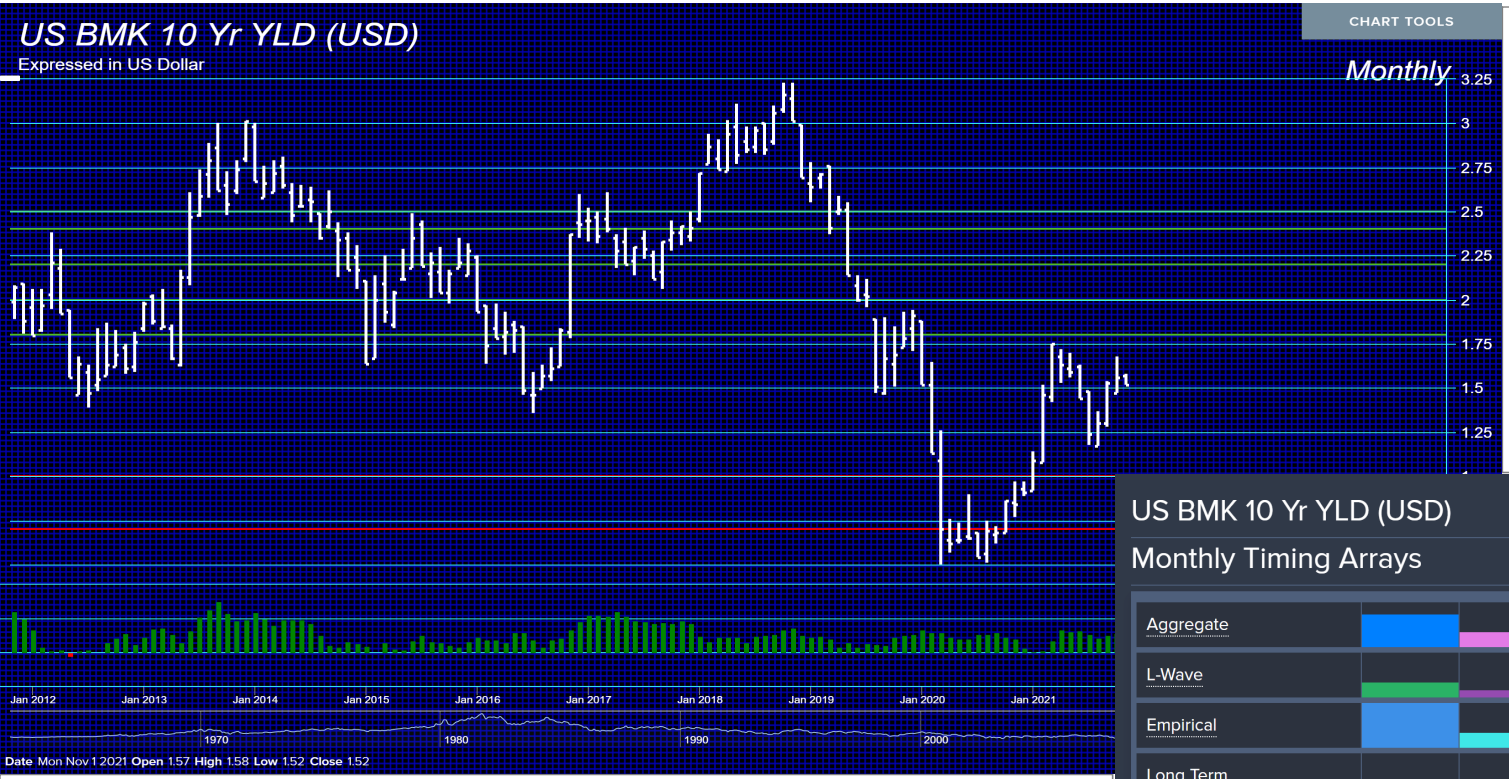
Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bearish	Bearish	Bearish	No Change

US BMK 10 Yr YLD (USD) Quarterly Timing Arrays

	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

US 10-YR (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
2.00	Dbi	1.00	0.40
	1.80		
	2.20	0.70	
	2.40	0.50	
	2.50		

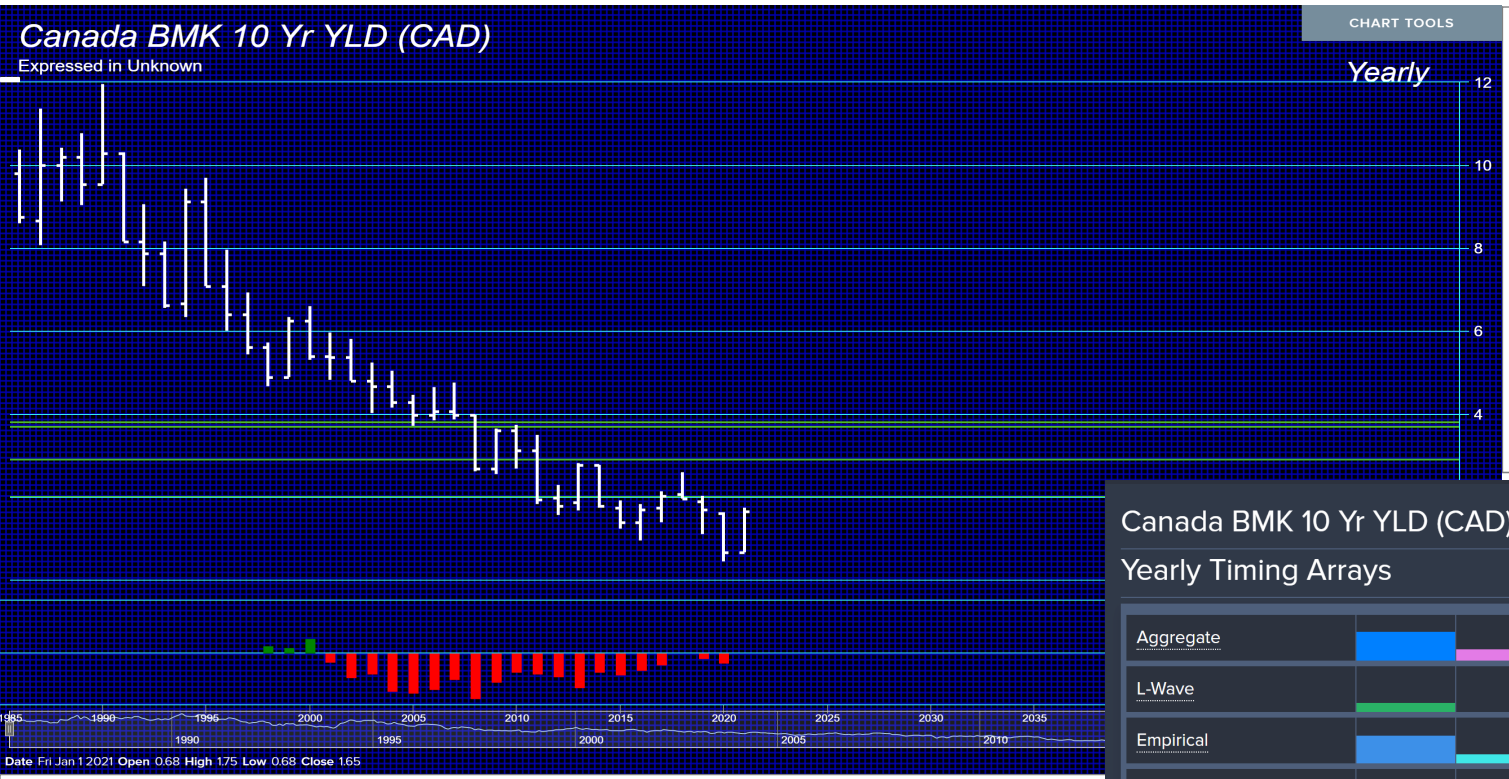
Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Neutral	Bullish	Neutral	Bullish	No Change

US BMK 10 Yr YLD (USD) Monthly Timing Arrays

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Se
Aggregate	Blue	Pink	Blue	Blue	Blue	Pink	Pink	Blue	Pink	Blue	Pink	Blue
L-Wave	Green	Purple	Green	Green	Green	Purple	Purple	Green	Purple	Green	Purple	Green
Empirical	Blue	Cyan	Blue	Blue	Cyan	Cyan	Blue	Blue	Blue	Cyan	Cyan	Blue
Long Term			Yellow	Yellow	Orange	Yellow	Yellow	Yellow	Orange	Yellow	Orange	Yellow
Trading Cycle	Red	Green	Red	Green	Red	Red						
Direction Change		Blue				Blue						
Panic Cycle												
Internal Volatility		Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
Overnight Volatility					Yellow	Yellow				Yellow		

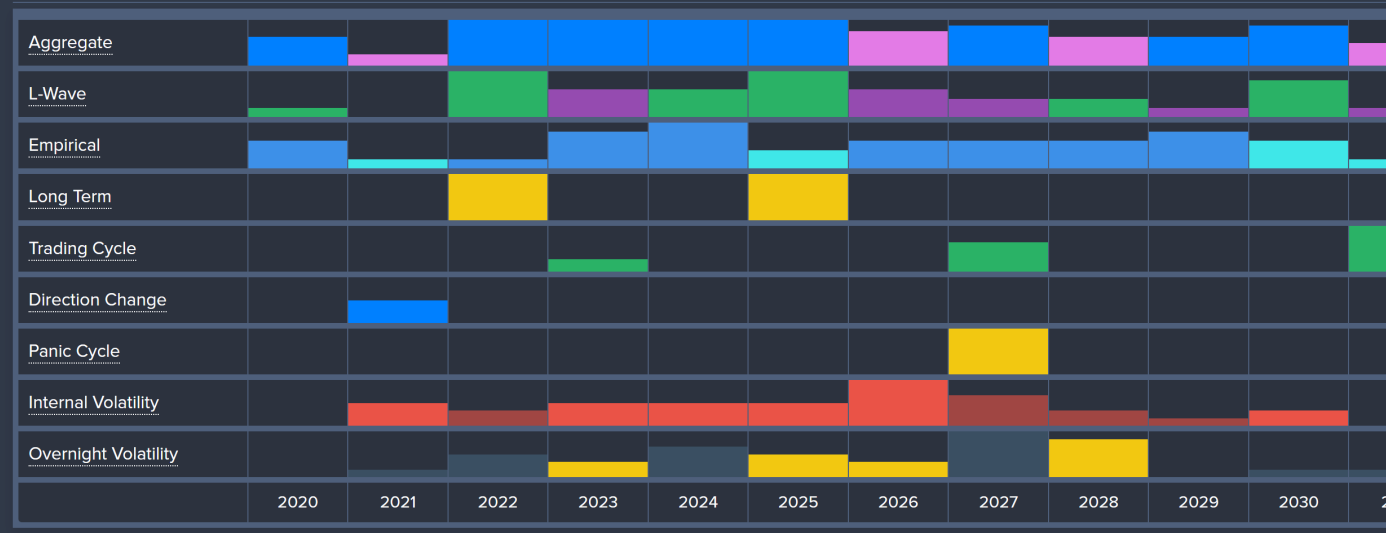
CANADIAN 10-YR (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
2.00	3.70		
2.90			
3.80			

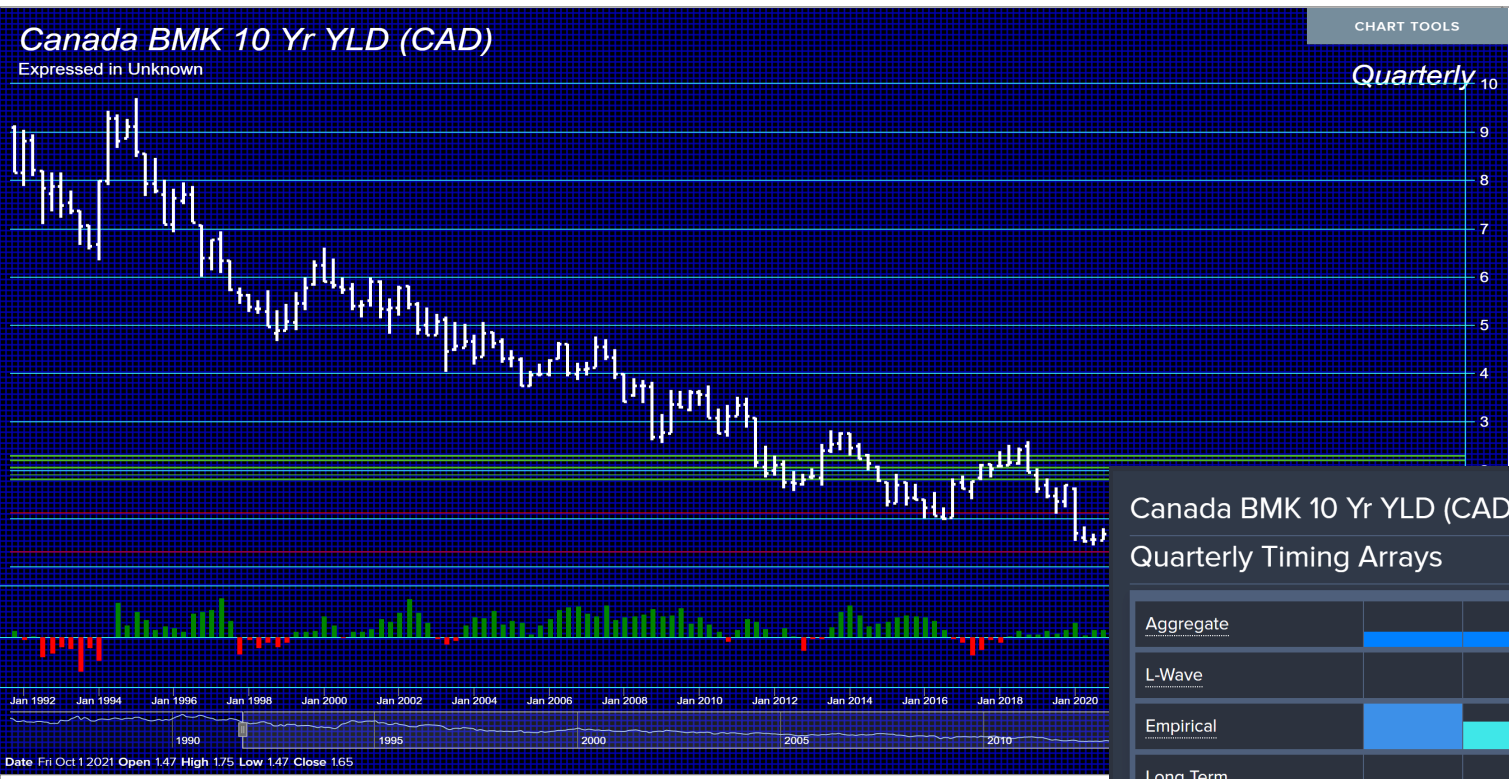
Canada BMK 10 Yr YLD (CAD)
Yearly Timing Arrays



Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bearish	Bearish	Bearish	Bearish	Bearish	Down 2 Years

CANADIAN 10-YR (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.80	2.05		1.10
1.90	2.20		0.30
	2.30		

Canada BMK 10 Yr YLD (CAD)
Quarterly Timing Arrays

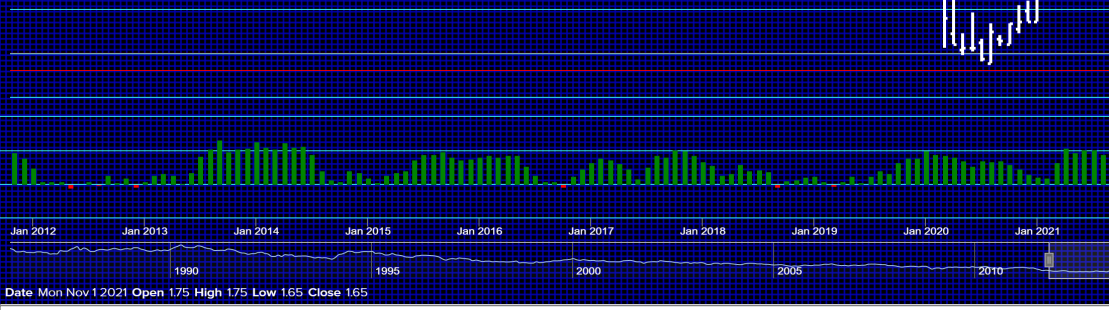
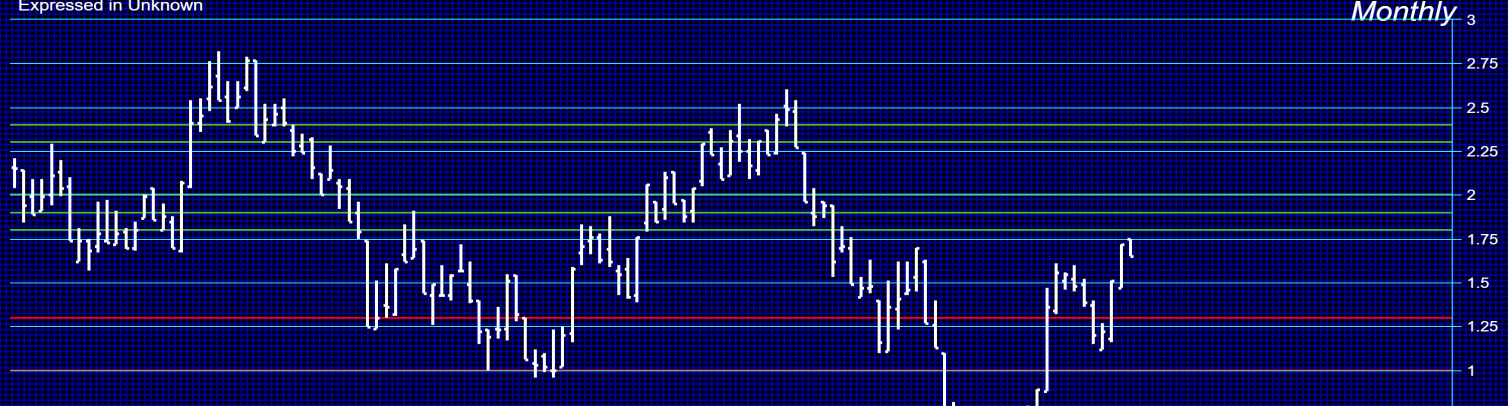


Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bearish	Neutral	Bearish	No Change

CANADIAN 10-YR (as of MONTHLY close – Oct 2021)

Canada BMK 10 Yr YLD (CAD)



Date: Mon Nov 1 2021 Open: 1.75 High: 1.75 Low: 1.65 Close: 1.65

CHART TOOLS

Monthly 3

Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.80	1.90	1.30	1.00
2.00	2.30		0.50
2.40			0.40

Canada BMK 10 Yr YLD (CAD)

Monthly Timing Arrays

Aggregate														
L-Wave														
Empirical														
Long Term														
Trading Cycle														
Direction Change														
Panic Cycle														
Internal Volatility														
Overnight Volatility														
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Se		

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

GERMAN LONG BUND (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		158.20	136.30
		138.50	119.70
			116.70

Date Fri Jan 1 2021 Open 177.78 High 178.37 Low 167.69 Close 171.07

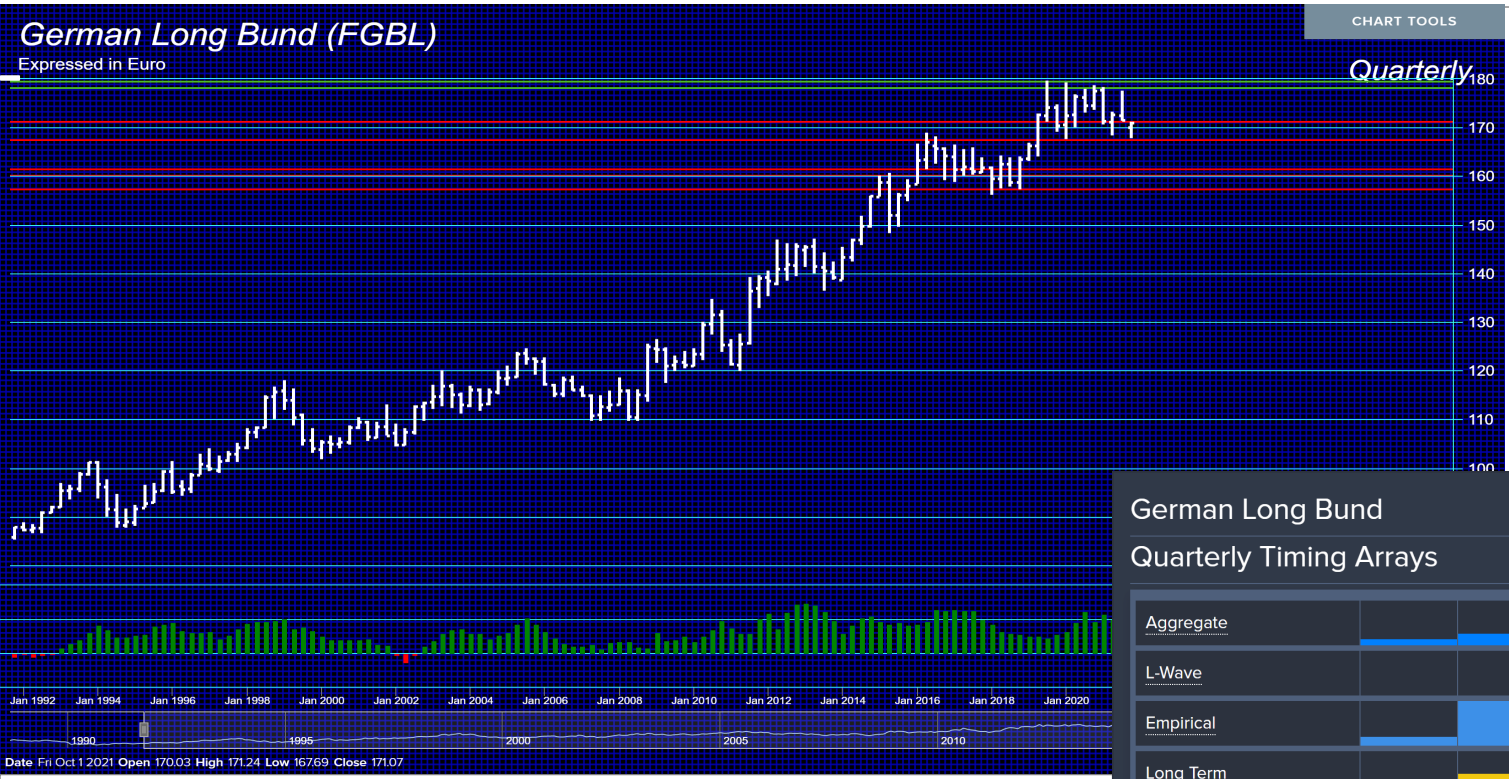
German Long Bund Yearly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

GERMAN LONG BUND (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	178.02	161.30	171.10
	179.40	157.30	167.40
			160.10

Date: Fri Oct 1 2021 Open: 170.03 High: 171.24 Low: 167.69 Close: 171.07

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Neutral	Bullish	Bullish	Bullish	No Change

German Long Bund Quarterly Timing Arrays

	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

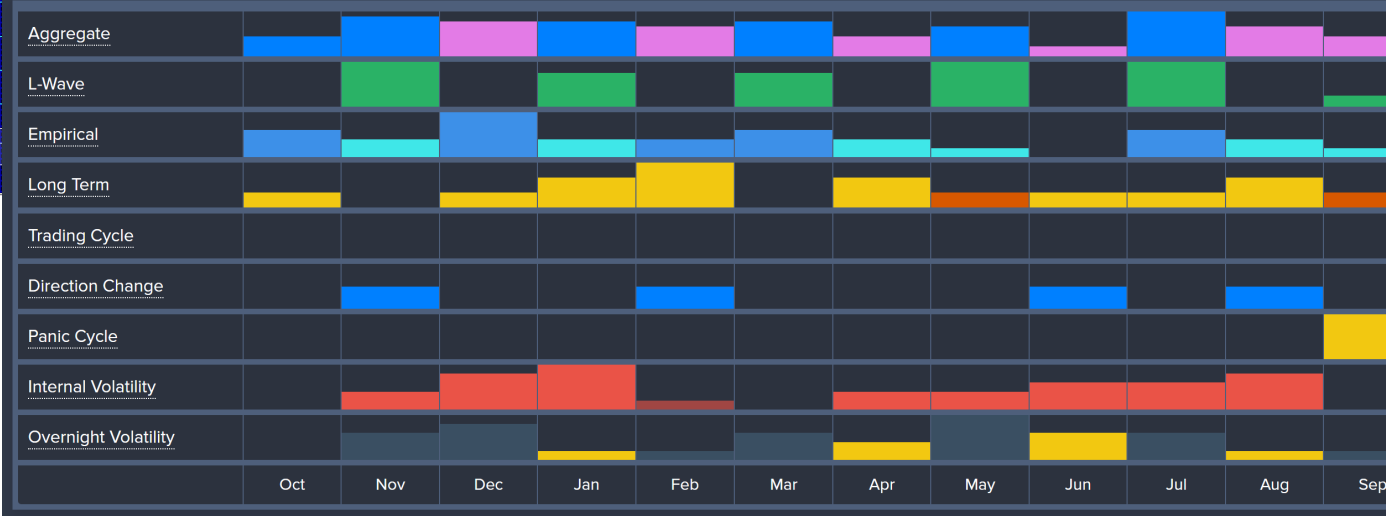
GERMAN LONG BUND (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	177.50	164.70	163.30
	178.80	163.05	
		160.70	
		160.20	

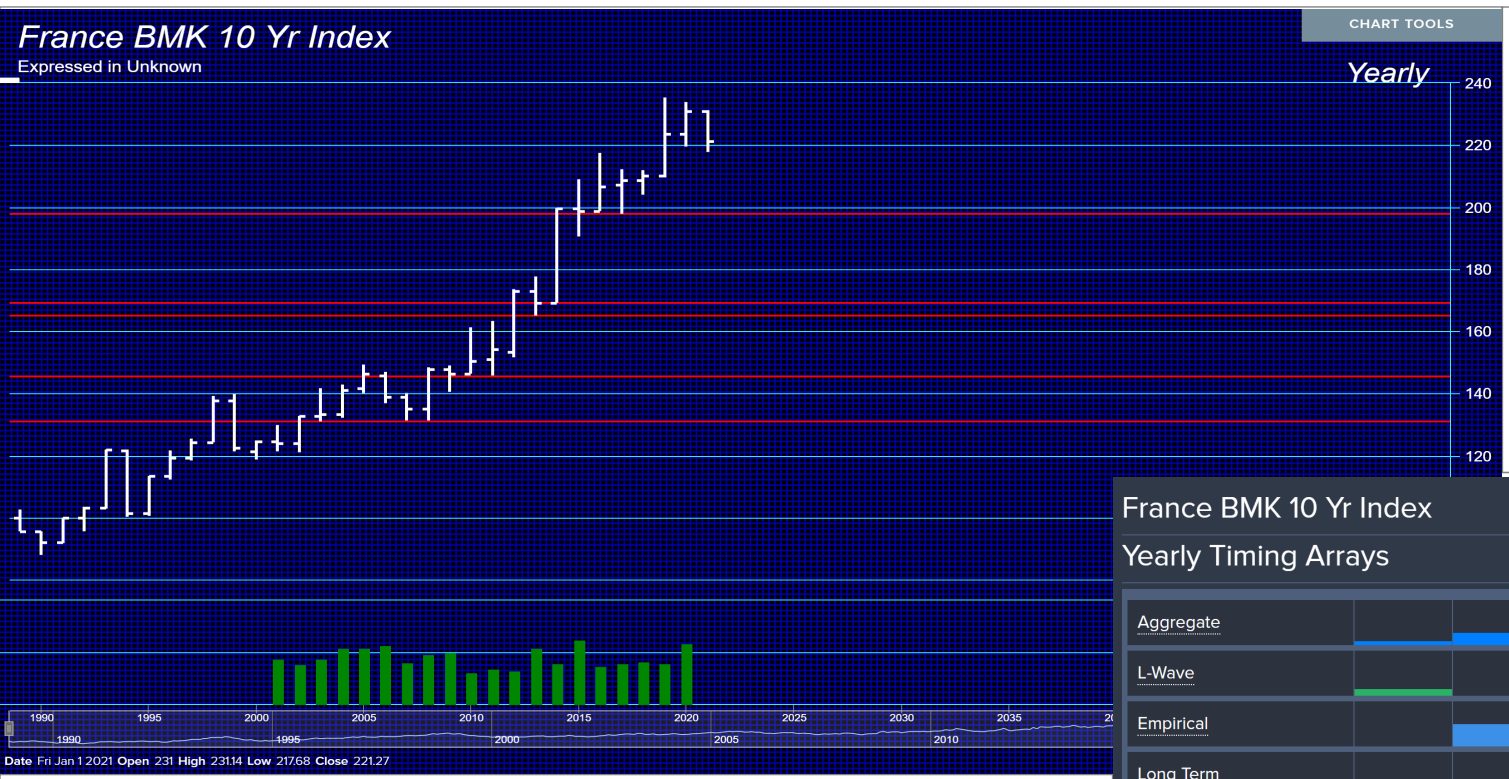
German Long Bund Monthly Timing Arrays



Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Bearish	Bearish	Bearish	Bearish	Down 2 Months

FRENCH 10-YR (as of YEARLY close – 2020)



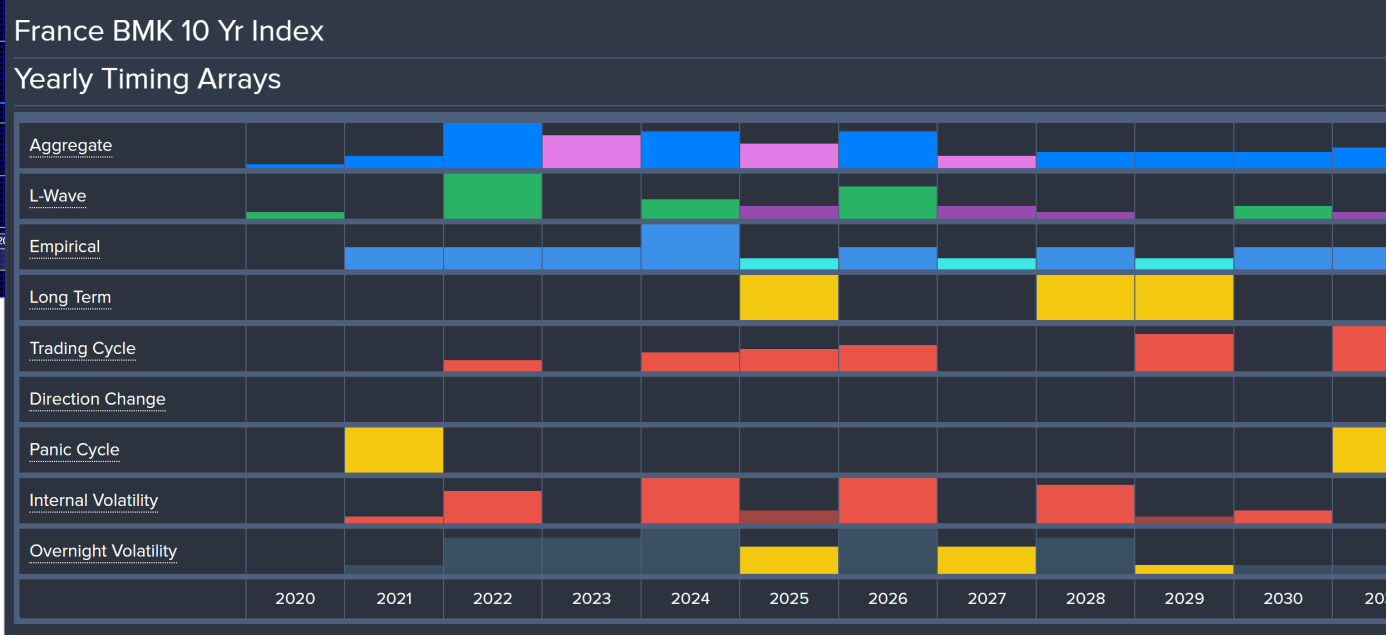
Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		197.70	165.00
		169.00	145.40
		131.20	

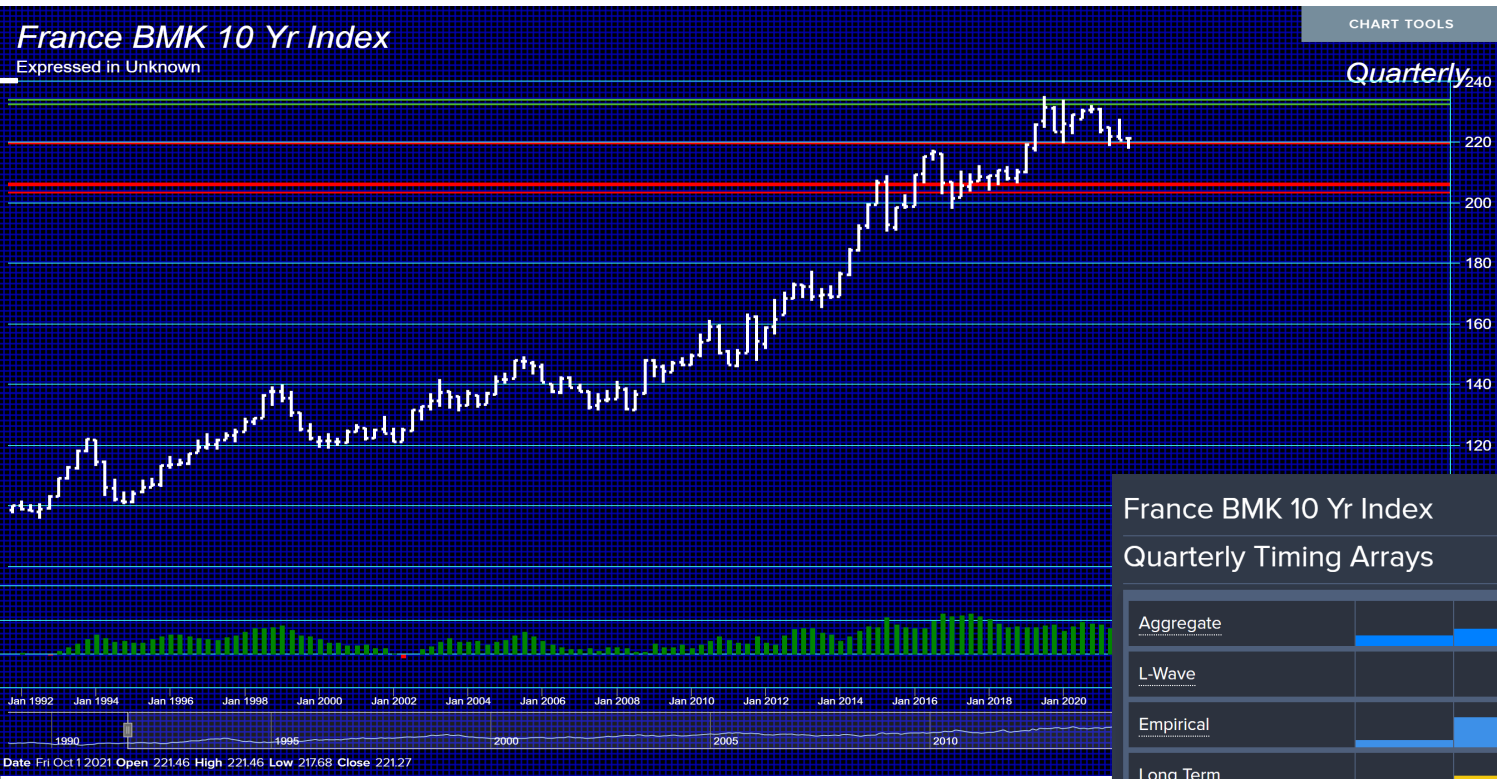
Date: Fri Jan 1 2021 Open: 231 High: 231.14 Low: 217.68 Close: 221.27

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change



FRENCH 10-YR (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
232.40		206.30	219.40
233.90		206.10	203.30
		205.60	

France BMK 10 Yr Index
Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bearish	Bearish	Bullish	Bullish	Bullish	No Change

FRENCH 10-YR (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
227.90	232.00	212.40	209.50
229.30		209.20	207.20
232.09			206.10

Date Mon Nov 1 2021 Open 21776 High 22127 Low 21776 Close 22127

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Bearish	Bearish	Bearish	Bearish	Down 2 Months

France BMK 10 Yr Index Monthly Timing Arrays

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

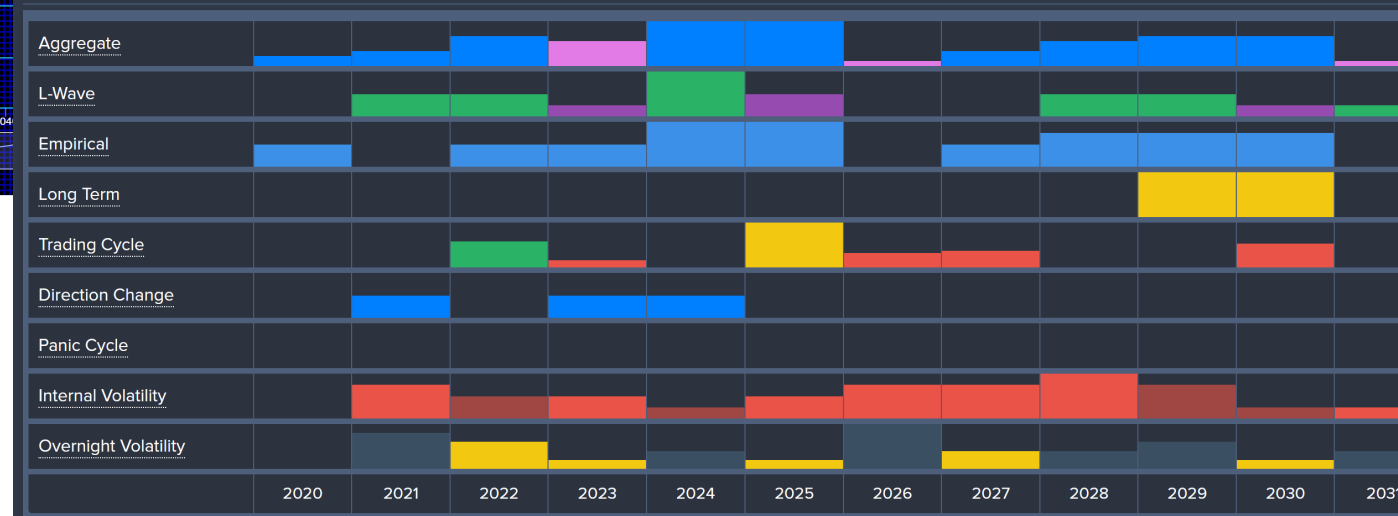
ITALIAN 10-YR YIELD (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		224.40	153.40
		166.10	151.80

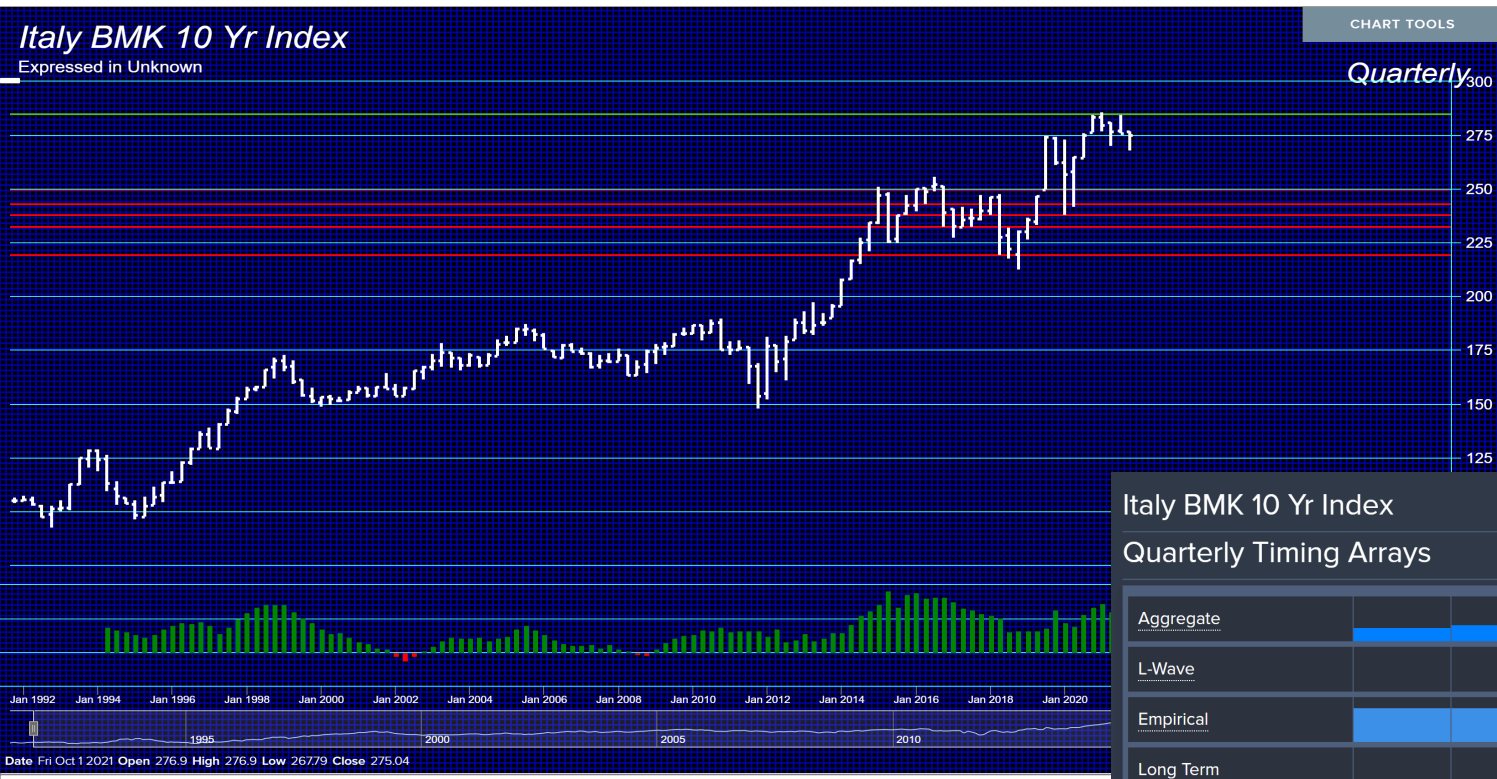
Italy BMK 10 Yr Index Yearly Timing Arrays



Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

ITALIAN 10 YLD (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	284.60	249.60	242.70
		237.80	219.10
		232.30	

Italy BMK 10 Yr Index Quarterly Timing Arrays

	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate	Blue	Blue	Pink	Blue	Pink	Blue	Pink	Blue	Blue	Blue	Pink	Pink
L-Wave					Green				Green		Purple	
Empirical	Blue	Blue	Cyan	Blue	Blue	Blue	Cyan	Blue	Blue	Blue	Cyan	Blue
Long Term				Yellow		Yellow	Yellow	Yellow	Yellow	Orange	Yellow	Yellow
Trading Cycle	Green	Red		Yellow	Red	Red		Red		Red	Yellow	
Direction Change		Blue			Blue							
Panic Cycle												
Internal Volatility							Red					Red
Overnight Volatility												

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bearish	Bullish	Bullish	Bullish	Bullish	No Change

ITALIAN 10 YLD (as of MONTHLY close – Oct 2021)

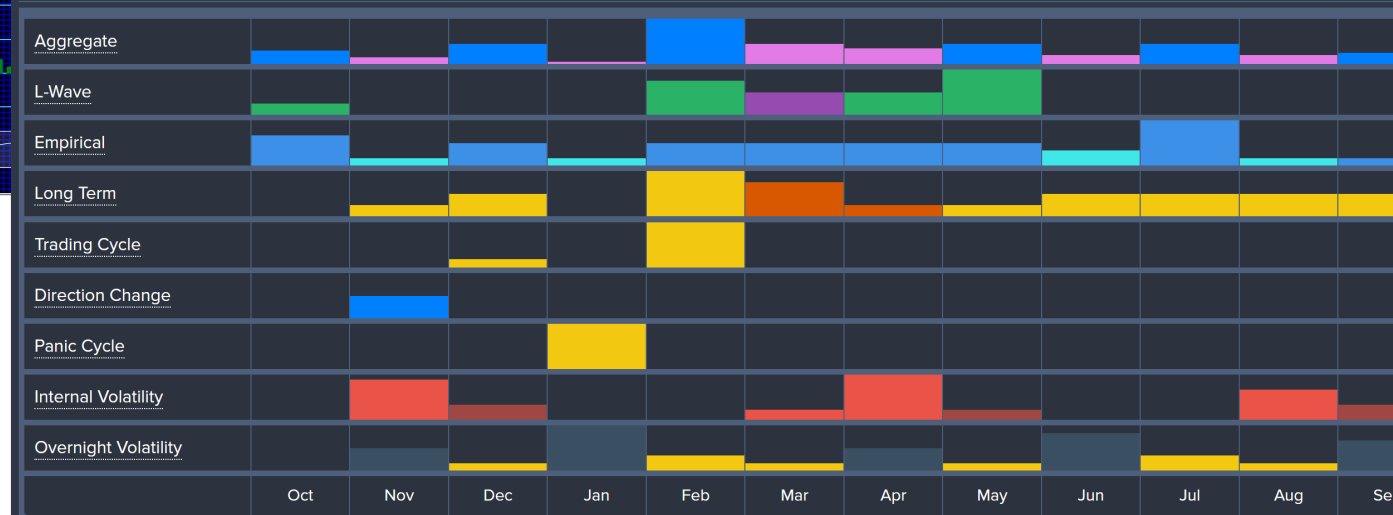


Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	282.70	268.30	256.80
	284.60	261.03	239.80
	285.70	236.70	

Italy BMK 10 Yr Index

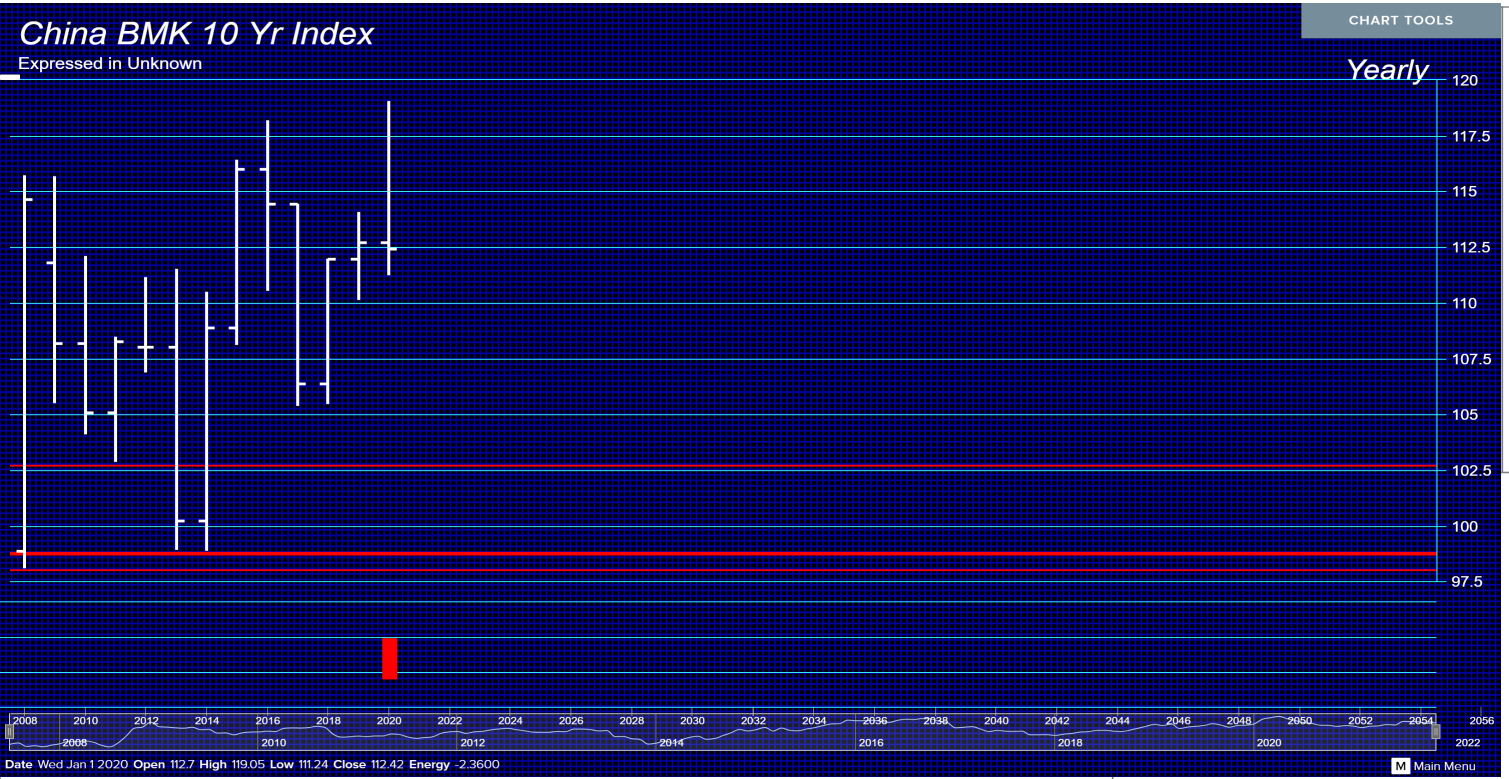
Monthly Timing Arrays



Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Bearish	Bearish	Neutral	Bearish	Down 2 Months

CHINESE 10-YR (as of QUARTERLY close – Sept 2021)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		98.70	102.70
		98.00	98.80

Yearly Indicating Ranges

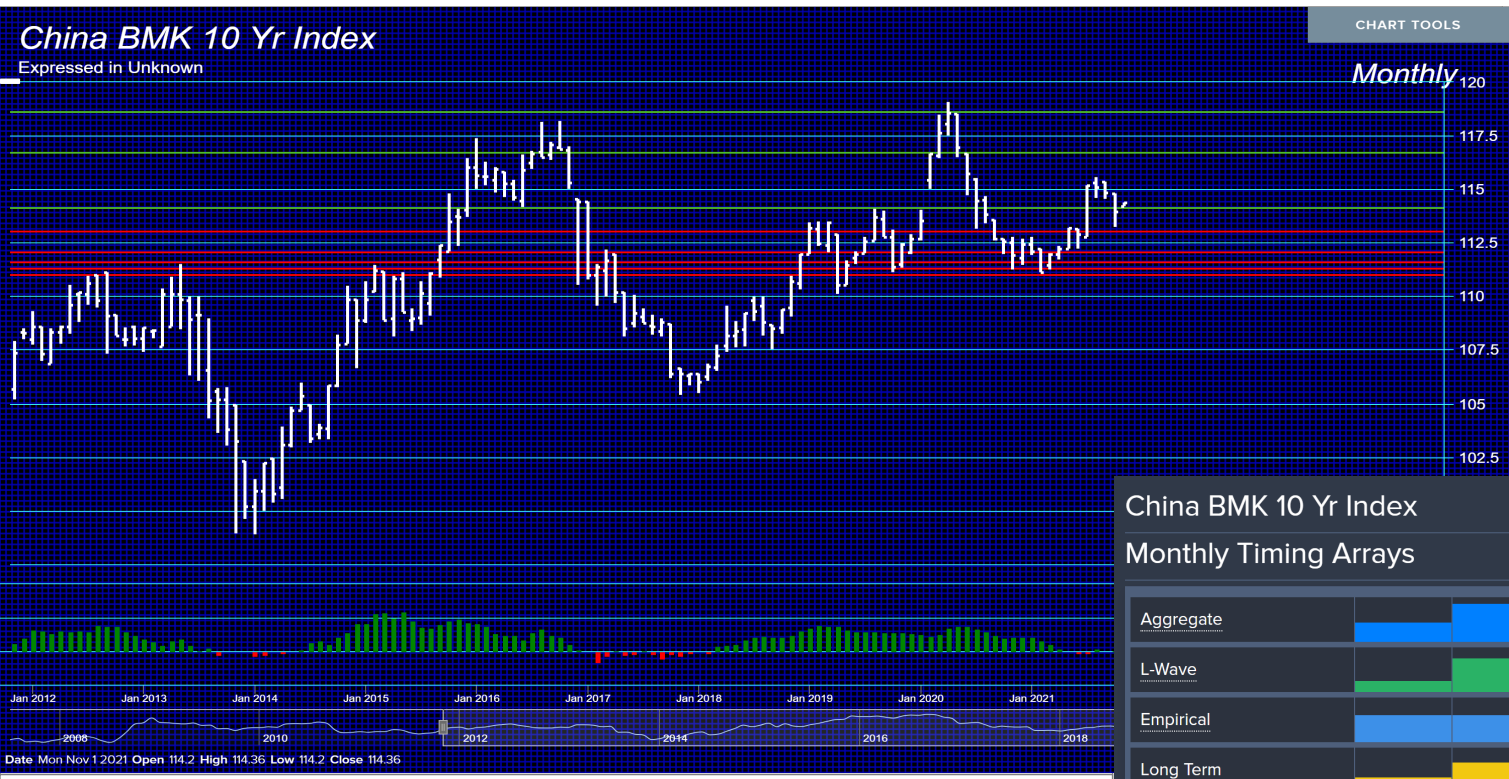
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Neutral	Neutral	Neutral	Neutral	Bullish	No Change

Yearly Timing Array

from

Not Enough History

CHINESE 10-YR (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	114.10	113.00	112.06
	116.70	111.60	111.30
	118.60		111.00

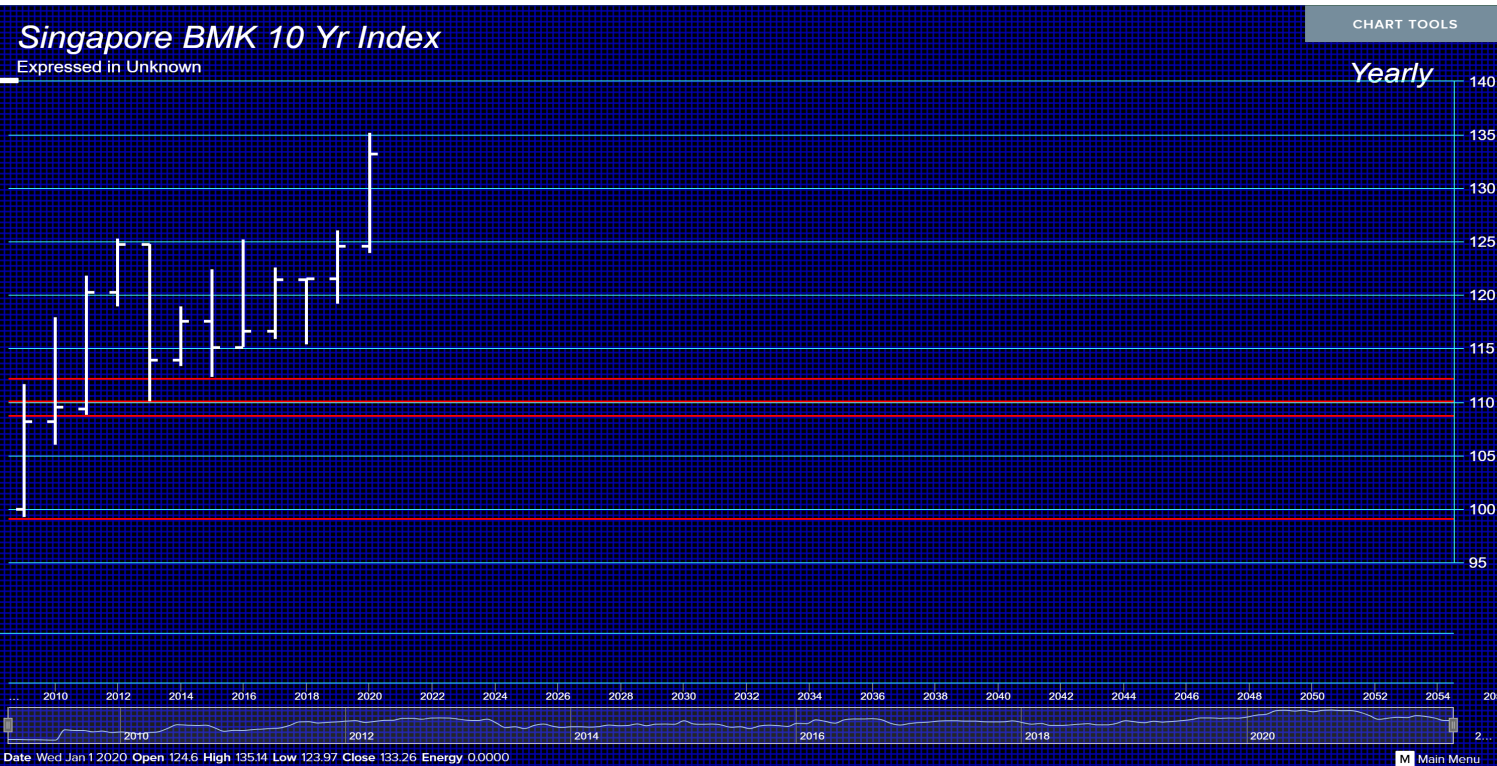
China BMK 10 Yr Index Monthly Timing Arrays

Aggregate														
L-Wave														
Empirical														
Long Term														
Trading Cycle														
Direction Change														
Panic Cycle														
Internal Volatility														
Overnight Volatility														
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Neutral	Bullish	Bullish	Neutral	Bearish	Down 1 Month

SINGAPORE 10-YR (as of QUARTERLY close – Sept 2021)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		112.20	110.08
		99.10	108.70

Yearly Timing Array

Not Enough History

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Neutral	Bullish	Bullish	Neutral	Neutral	Bullish	No Change

SINGAPORE 10-YR (as of MONTHLY close – Oct 2021)

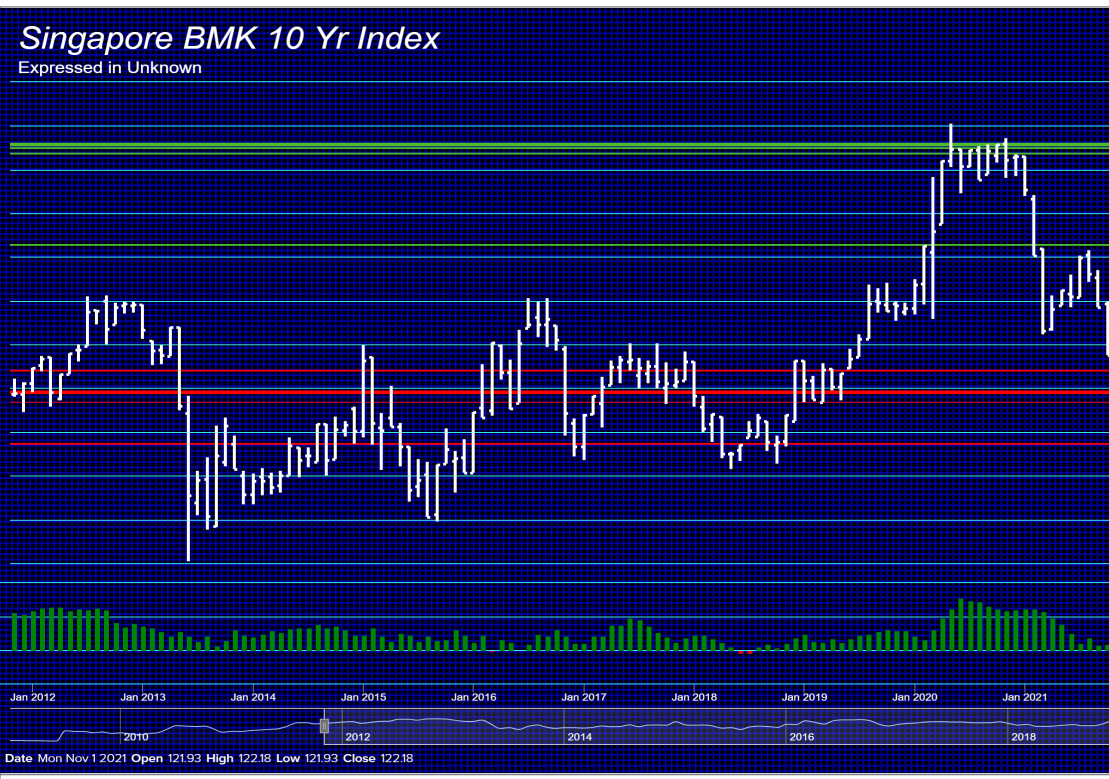


CHART TOOLS

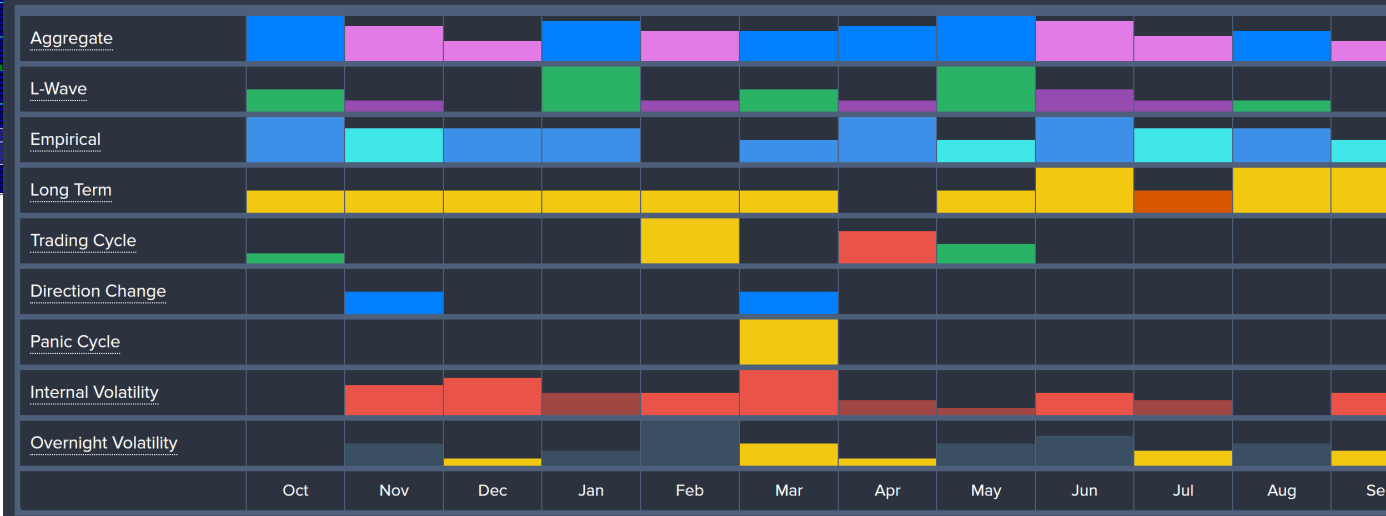
Monthly

Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
128.20	133.70	119.70	121.00
133.40	133.90		119.80
134.00			119.20
			116.80

Singapore BMK 10 Yr Index

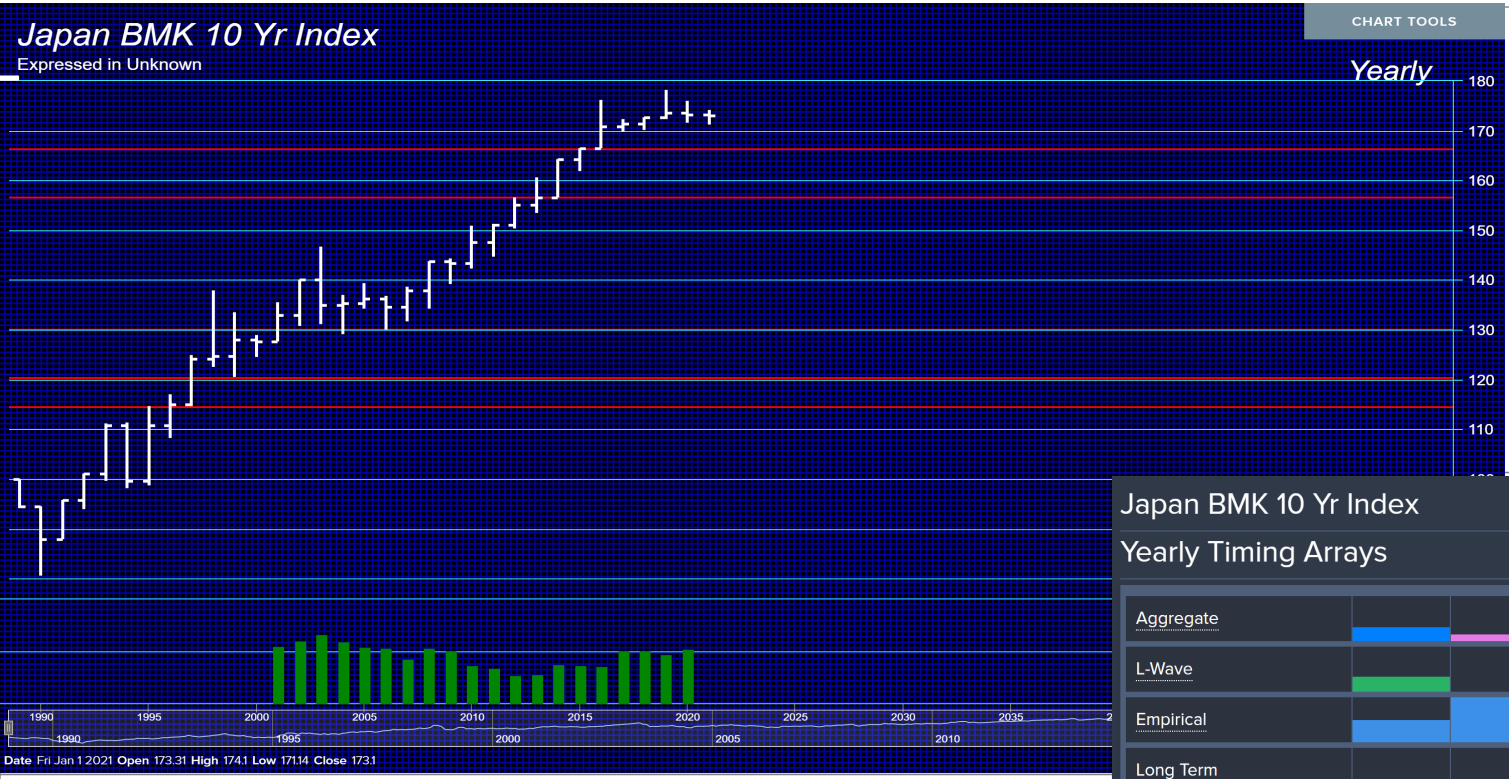
Monthly Timing Arrays



Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Bearish	Bearish	Bearish	Bearish	Down 2 Months

JAPANESE 10-YR (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		166.30	120.30
		156.50	114.50
		130.08	

Date: Fri Jan 1 2021 Open: 173.31 High: 174.1 Low: 171.14 Close: 173.1

Yearly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bearish	No Change

Japan BMK 10 Yr Index

Yearly Timing Arrays

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Aggregate	Blue	Pink	Blue	Pink	Blue	Blue	Pink	Pink	Blue	Pink	Blue	Pink
L-Wave	Green	Green	Green	Purple	Green	Green	Purple	Green	Green	Purple	Green	Green
Empirical	Blue	Blue	Cyan	Blue	Cyan		Blue	Blue	Blue	Cyan		
Long Term						Yellow						
Trading Cycle	Green		Yellow									
Direction Change												
Panic Cycle							Yellow					
Internal Volatility		Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
Overnight Volatility						Yellow		Yellow			Yellow	

JAPANESE 10-YR (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
174.20	174.50	171.80	171.40
177.30	178.20	171.20	
		170.50	

Japan BMK 10 Yr Index
Quarterly Timing Arrays

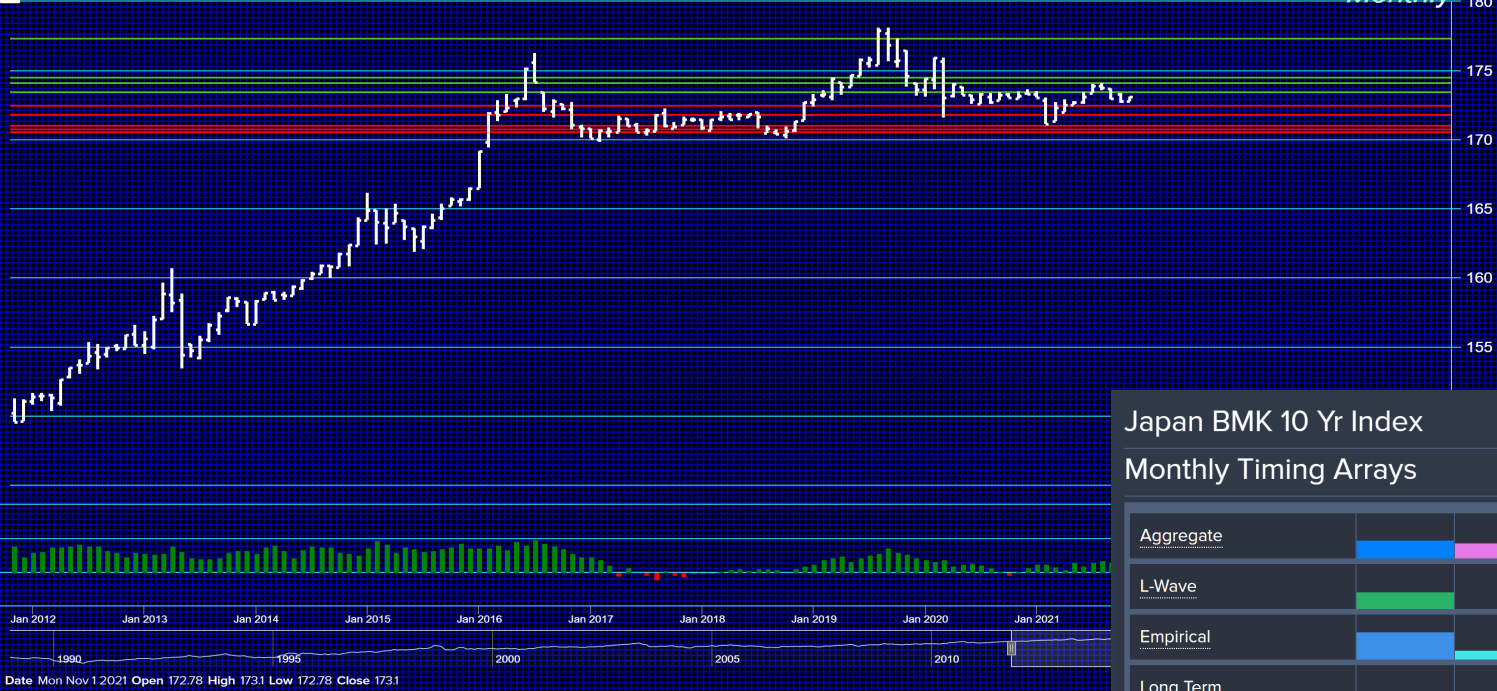
	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate	Blue	Blue	Pink	Blue	Blue	Blue	Pink	Blue	Blue	Pink	Pink	Blue
L-Wave					Green			Green	Green			Green
Empirical	Blue	Cyan	Cyan	Blue	Blue	Cyan	Cyan	Blue	Blue	Blue	Blue	Blue
Long Term					Yellow	Yellow	Orange		Yellow	Yellow	Yellow	Yellow
Trading Cycle		Green		Red	Yellow	Yellow	Red	Red		Green	Red	
Direction Change	Blue		Blue									
Panic Cycle												
Internal Volatility							Red					Red
Overnight Volatility							Blue					Blue

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Neutral	Bullish	Bullish	Bullish	No Change

JAPANESE 10-YR (as of MONTHLY close – Oct 2021)

Japan BMK 10 Yr Index
Expressed in Unknown



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
174.50	173.40	172.40	170.50
	174.08	171.80	
	177.30	171.00	
		170.70	

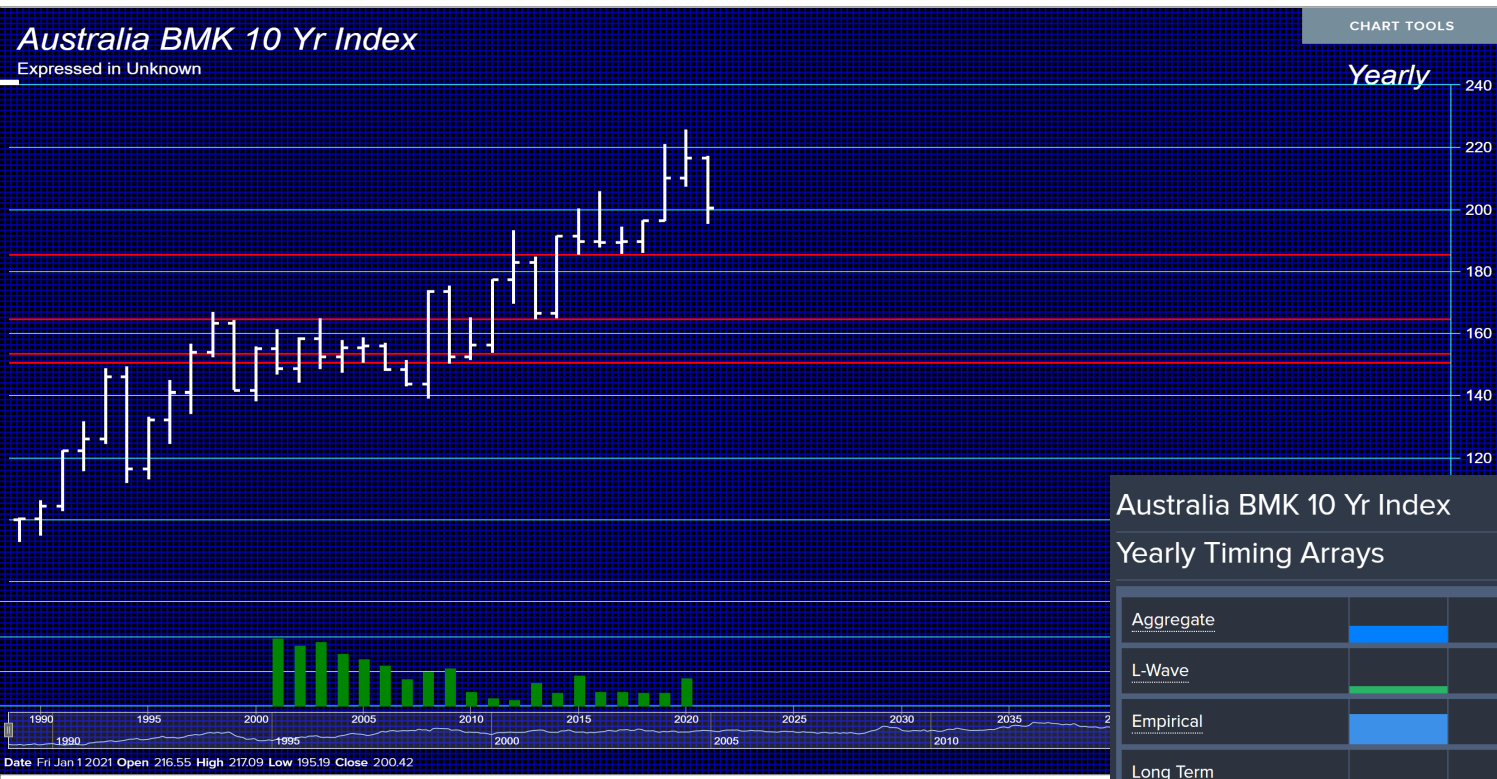
Japan BMK 10 Yr Index
Monthly Timing Arrays



Monthly Indicating Ranges

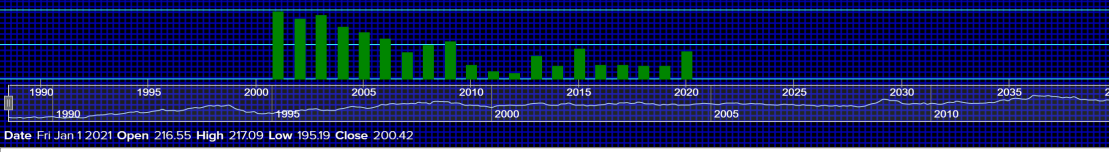
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Bullish	Bearish	Bearish	Bearish	Down 2 Months

AUSTRALIAN 10-YR (as of YEARLY close – 2020)



Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		177.50	124.60
		153.06	119.50
			110.80



Yearly Indicating Ranges

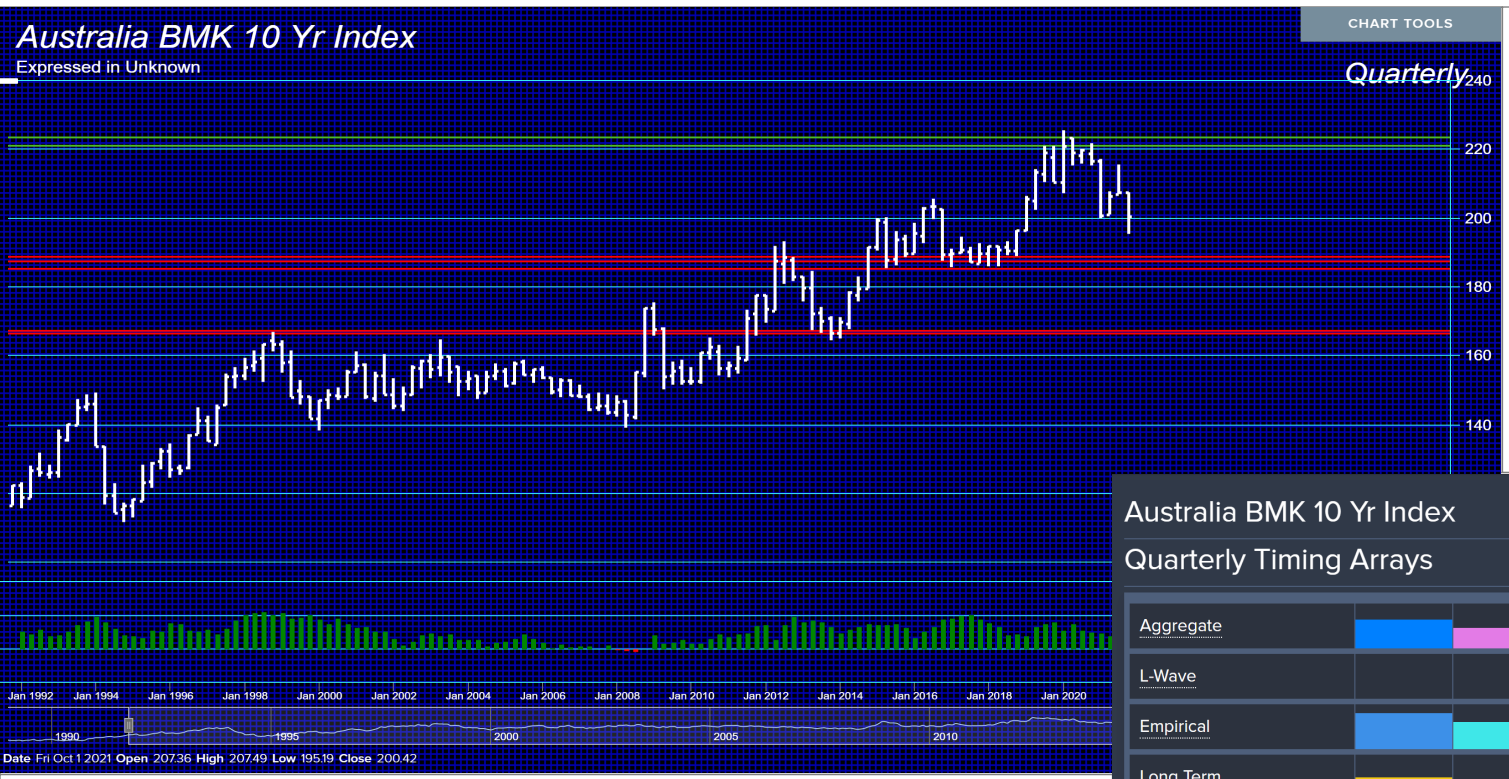
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change

Australia BMK 10 Yr Index

Yearly Timing Arrays

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Aggregate	Blue	Blue	Blue	Blue	Blue	Pink	Blue	Pink	Blue	Blue	Blue	Blue
L-Wave	Green	Green	Green	Pink	Green	Black	Green	Black	Green	Black	Green	Black
Empirical	Blue	Blue	Blue	Cyan	Blue	Cyan	Blue	Cyan	Blue	Cyan	Blue	Cyan
Long Term	Black	Black	Black	Black	Black	Black	Black	Black	Black	Yellow	Black	Black
Trading Cycle	Black	Black	Black	Red	Black	Red	Red	Red	Black	Black	Red	Black
Direction Change	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
Panic Cycle	Black	Black	Black	Black	Yellow	Black	Black	Black	Black	Black	Black	Black
Internal Volatility	Black	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
Overnight Volatility	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black

AUSTRALIAN 10-YR (as of QUARTERLY close – Sept 2021)



Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	220.80	188.60	
	223.30	187.40	
		185.20	
		167.00	
		166.30	

Date: Fri Oct 1 2021 Open: 207.36 High: 207.49 Low: 195.19 Close: 200.42

Quarterly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Bearish	Bullish	Bullish	Bullish	No Change

Australia BMK 10 Yr Index Quarterly Timing Arrays

	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024
Aggregate	Blue	Pink	Blue	Blue	Blue	Blue	Pink	Blue	Blue	Pink	Pink	Blue
L-Wave					Green			Green	Green	Purple		
Empirical	Blue	Cyan	Blue	Blue		Blue		Blue	Blue	Cyan	Cyan	
Long Term	Yellow			Yellow				Yellow		Yellow	Yellow	Yellow
Trading Cycle	Red	Red			Red		Red					
Direction Change			Blue									
Panic Cycle												Yellow
Internal Volatility							Red					Red
Overnight Volatility							Blue					Blue

AUSTRALIAN 10-YR (as of MONTHLY close – Oct 2021)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	218.50	186.50	188.80
	220.20		187.00
	220.80		186.70
	221.70		186.60

Australia BMK 10 Yr Index

Monthly Timing Arrays

Aggregate														
L-Wave														
Empirical														
Long Term														
Trading Cycle														
Direction Change														
Panic Cycle														
Internal Volatility														
Overnight Volatility														
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Se		

Monthly Indicating Ranges

Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Bearish	Bearish	Bearish	Bearish	Down 2 Months

THANK YOU