

# World Economic Conference 2022



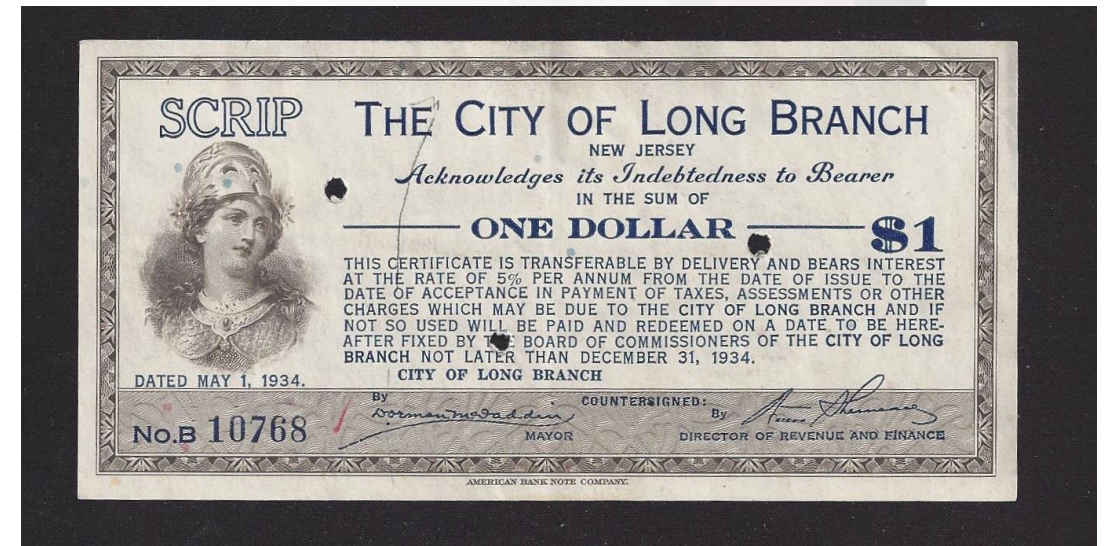
## Climate Change War

The Cover-Up for the Sovereign Debt Crisis



2028

# Regional Currencies Return?



# Fall Bretton Woods

Executive Order 11110 was  
issued by U.S. President  
John F. Kennedy on  
June 4, 1963.  
(1963.4246575)



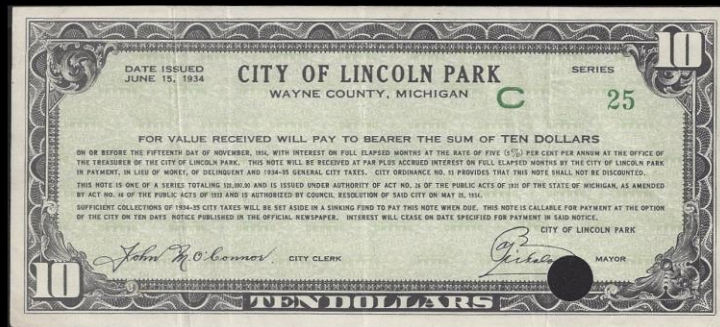
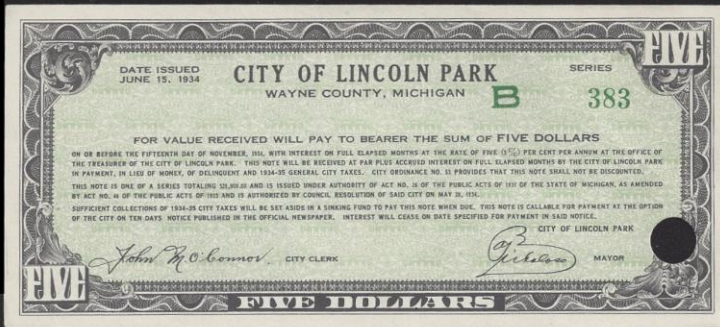
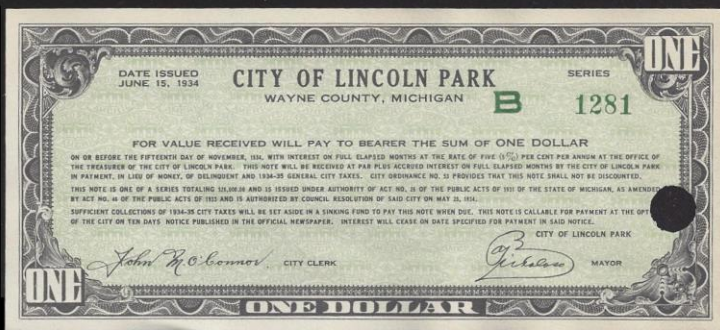
August 15, 1971  
1971.6219178

8.196 yrs

## Current Monetary System

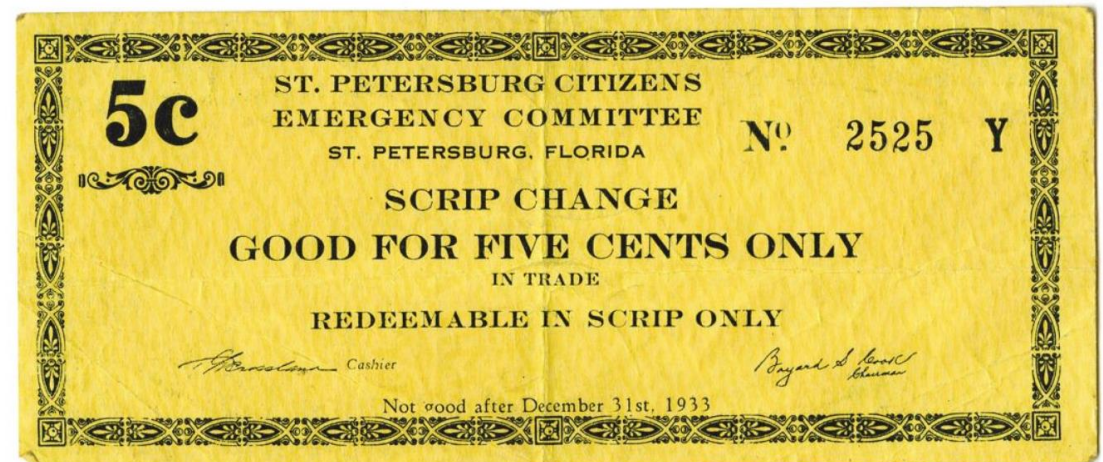
2019.679 - 2028.279





## Depression Scrip 1934

City of Lincoln Park - Wayne County, Michigan



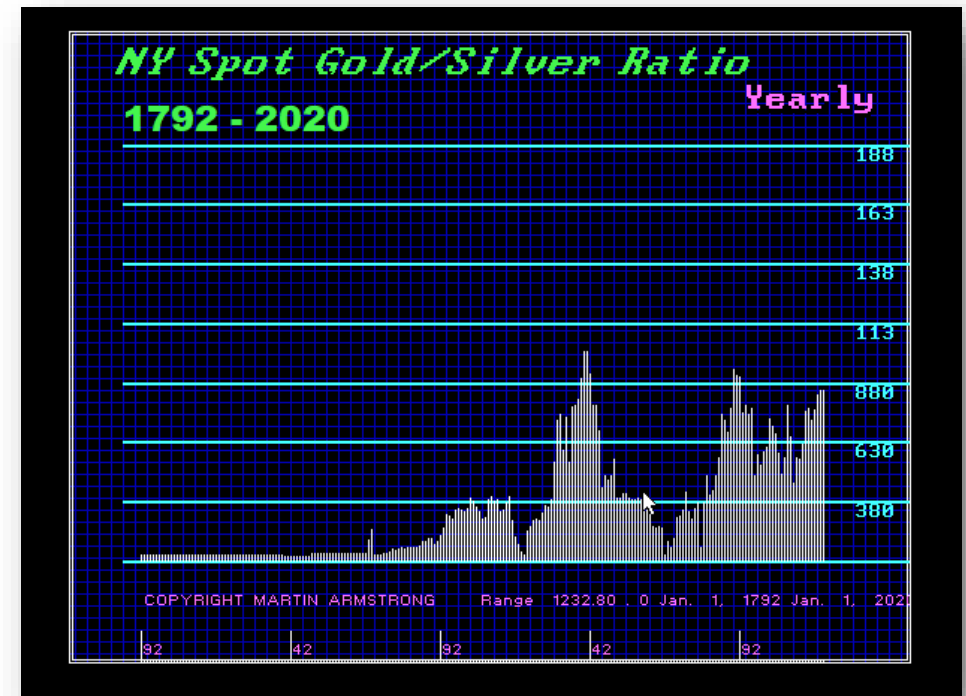
St. Petersburg, Florida, 1933 5 cents Depression Scrip with awesome serial # 2525  
Expired December 31st, 1933



# Gold – Can it Survive the Generational Shift?



SS Central America Sinking – 1857



**US WHOLESALE COMMODITY PRICE INDEX**  
1800-1934 (1926 = 100)



*The three great commodity waves used by Kondratieff*

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## Purchasing Power of Gold Fluctuated at all times



**US \$20 Gold (1849-1932)**

Even the ratio of silver to gold was never consistent. There were times when new discoveries of silver poured from the mines leading to the decline in purchasing power of the silver. Likewise, there were times when gold became more common than silver. Even during the California Gold Rush of 1849, the purchasing power of gold declined sharply because there was too much of it coming around.

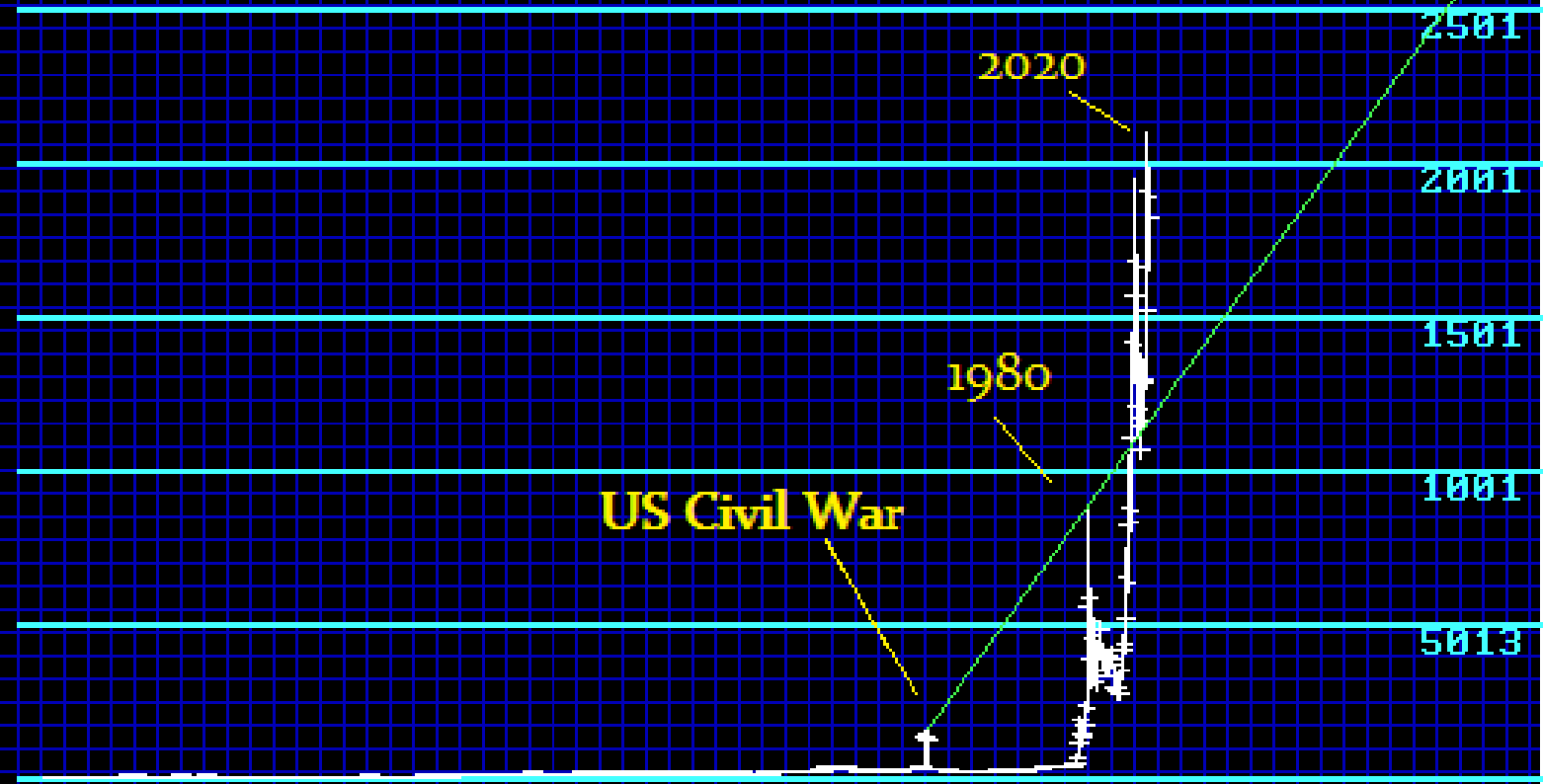




For you see, there is such a thing as a BUSINESS CYCLE. They simply refuse to understand the basic monetary theory or the history of money, which had been many things for over 6,000 years. It does not matter what the money might be at any point in time. It will always decline in value as assets rise which we call inflation, and as people need cash and assets decline, we call that a recession.

# *New York Comex Spot Gold* 1264 - 2021

Yearly



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Range 4888.00 . 0 Jan. 1, 1264 Jan. 1, 2021



# Real Estate

## The Event Horizon



1. Rising Interest Rates
2. Tax Migration
3. Intl Nat'l War

What Does the Future Hold with  
Recession & World War III



There is probably no greater question than what will happen to real estate if we head into inflation, war, possible depression, and sovereign defaults. There has been much myth about real estate and how the typical pundits forecast real estate entirely based upon interest rates. However, much of what we know today as Fannie Mae etc., comes from the Roosevelt era. These things did not predate the bottom of the Great Depression in 1932. To further complicate matters, there were no 30-year mortgages before Roosevelt.



# UK Residential Real Estate Index (REAUK)

Expressed in British Pound

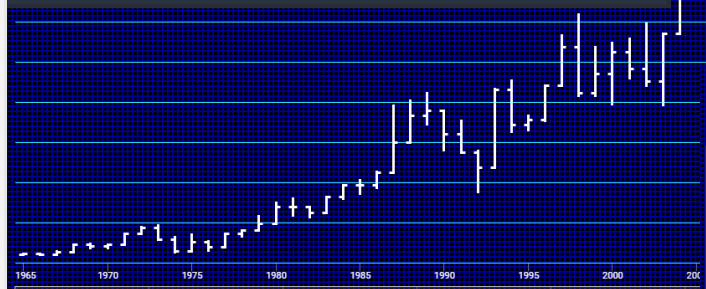
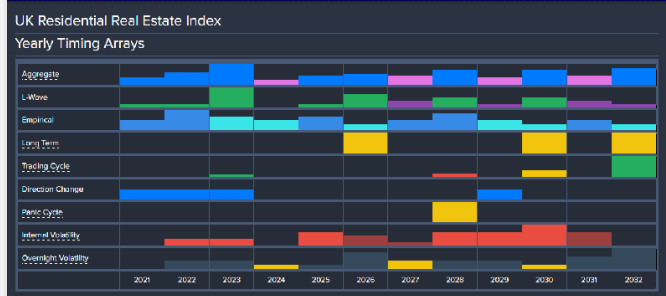


CHART TOOLS

Yearly

# US Residential Real Estate Index (REAUS)

Expressed in US Dollar

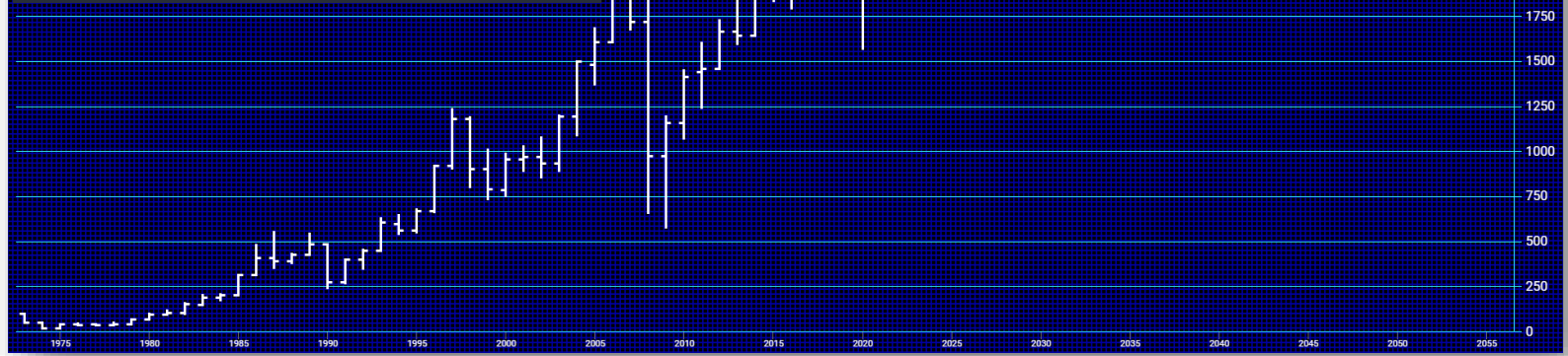
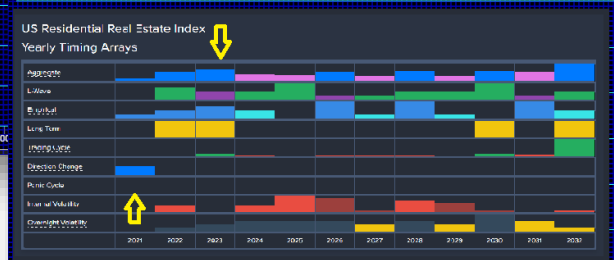
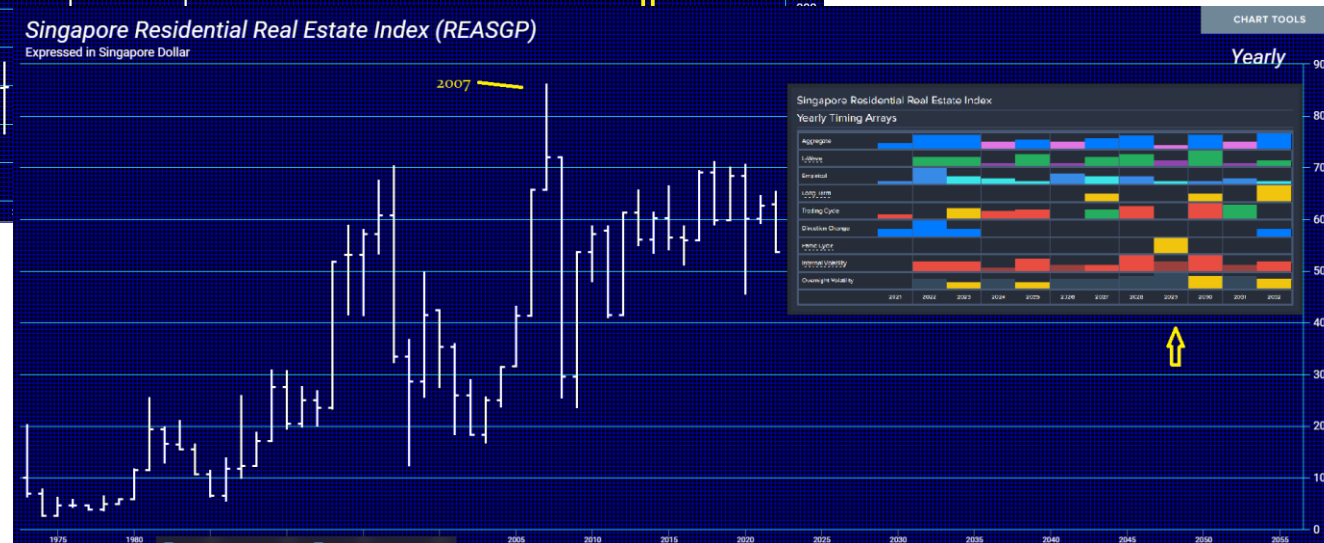
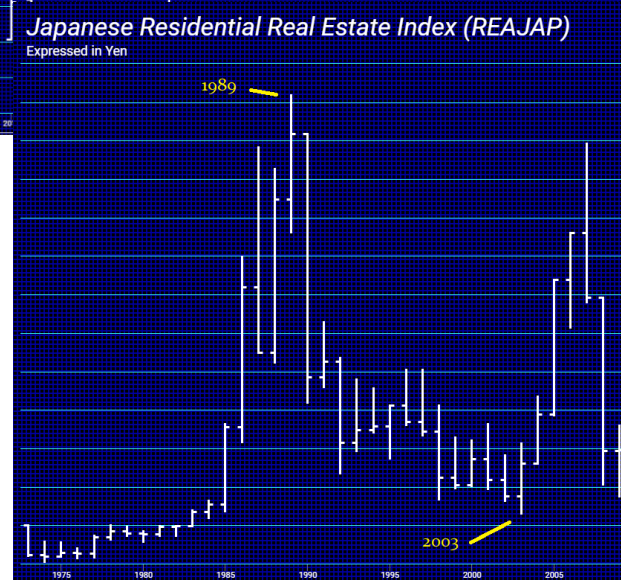
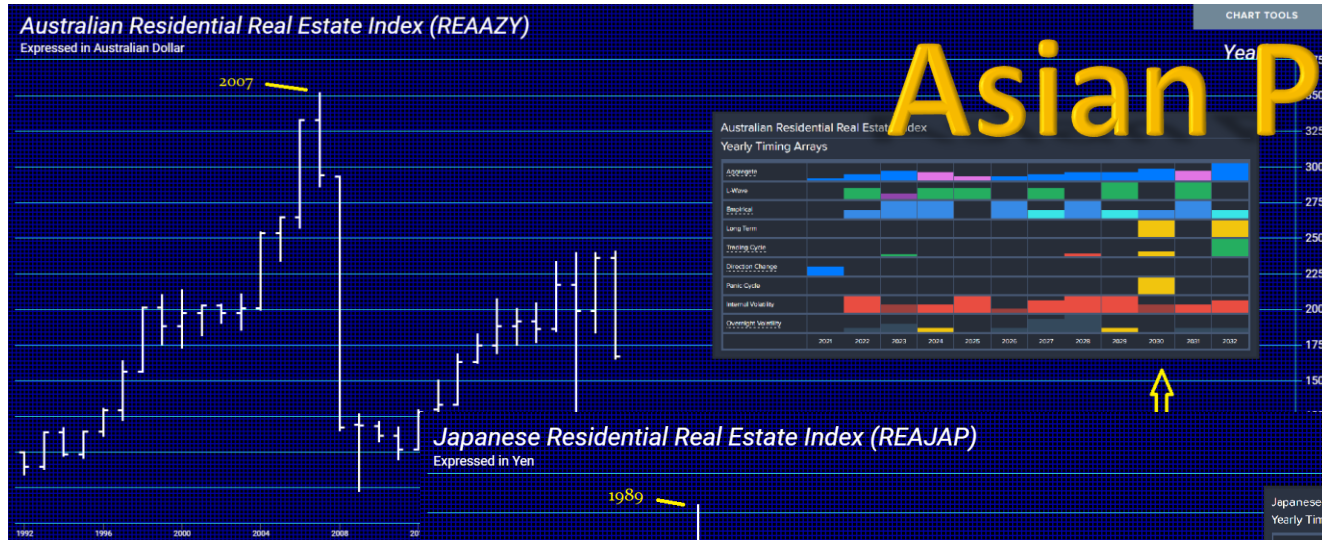


CHART TOOLS

Yearly

# Asian Panic Cycles 2929







**CBDC**

**CENTRAL BANK**  
 **DIGITAL CURRENCY**

# Can Bitcoin Survive



## **Can Anyone Shut Bitcoin Down?**

While Bitcoin has no central authority and single point of failure, that does not prevent the US government from declaring anyone operating either requires a banking license or they are engaged in money laundering. The lack of a centralized hub is irrelevant. Anyone traveling who has a Bitcoin account must declare what they have traveling or subject it all to confiscation and perjury.

## **Nuclear War**

Even if there is an all-out nuclear war, they argue that such a war would only be in the Northern Hemisphere so Bitcoin wouldn't miss a beat in the Southern Hemisphere. That is really biased.

## **If They Can't Shut It Down, Won't They Ban It?**

Biden can issue an Executive Order banning Bitcoin and it would become illegal to deal in it just as they have done for drugs sending it to the depths of a black market which would not really make Bitcoin viable. You can just as easily just use gold.



# Can Bitcoin Survive



## **Is Computer Code Protected Speech?**

Bitcoin maybe simply computer code, but the CFTC has already declared that if someone is claiming to be managing money using computer code, they must have access to it. It is not free speech.

## **Bitcoin a Commodity?**

The US government has defined Bitcoin as a commodity and property. The IRS, the SEC, the CFTC, and other federal agencies have addressed Bitcoin as tax able and as such you must reveal your holdings.

## **The Bottom Line**

While the proponents of Bitcoin argue banning it would be politically unpopular, they fail to understand that such holding are typically anti-government in nature and they are already regarded as the deplorables. That is really a crazy argument put forth only by the biased.



# S&P GLOBAL COMMODITIES

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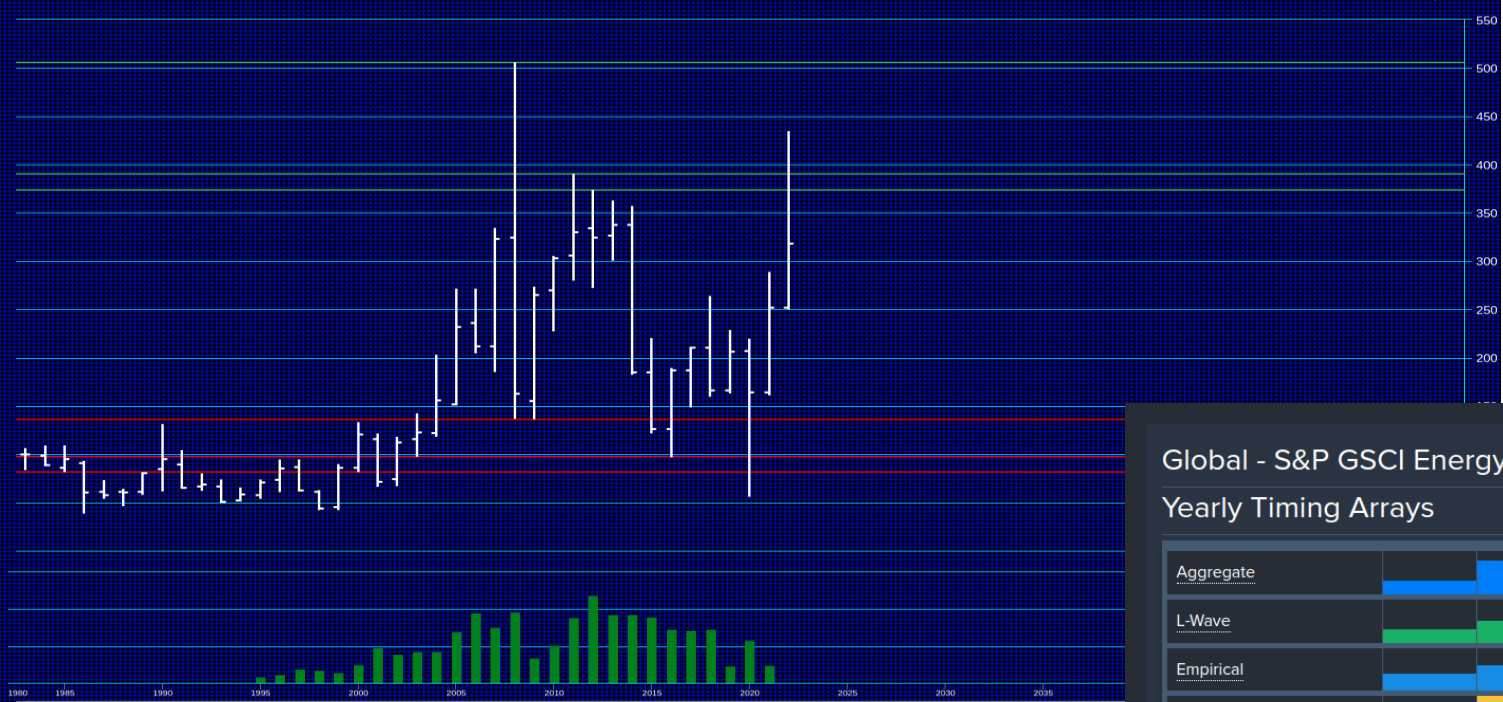
2022 WEC Global Markets Overview

# S&P GSCI Energy (as of YEARLY close – 2021)

Global - S&P GSCI Energy (SPGSEN)  
Expressed in US Dollar

CHART TOOLS

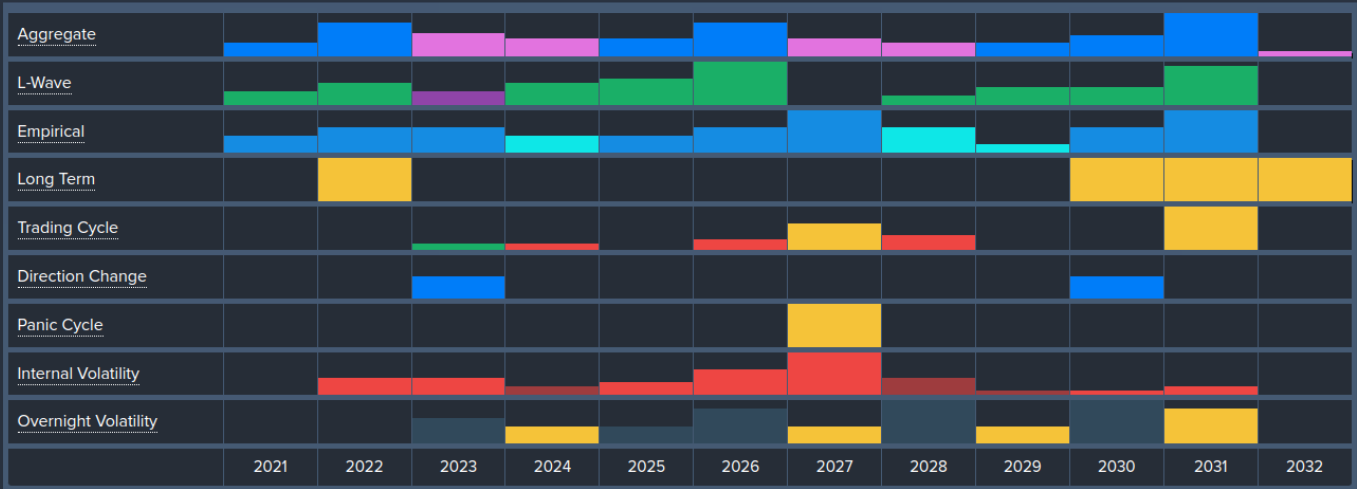
Yearly



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
373.55	390.15	97.35	135.85
	505.45	81.45	

## Global - S&P GSCI Energy Yearly Timing Arrays



## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bearish	Neutral	Bullish

# S&P GSCI Energy (as of QUARTERLY close – Sep 2022)

Global - S&P GSCI Energy (SPGSEN)  
Expressed in US Dollar



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
373.55	375.90	211.85	77.80
	390.15	194.70	74.35
	494.95	137.50	

## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

## Global - S&P GSCI Energy Quarterly Timing Arrays

	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												



# S&P GSCI Energy (as of MONTHLY close – Oct 2022)

Global - S&P GSCI Energy (SPGSEN)  
Expressed in US Dollar



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
494.95	422.45	250.00	222.05
		231.30	188.55
			175.45

## Monthly Indicating Ranges

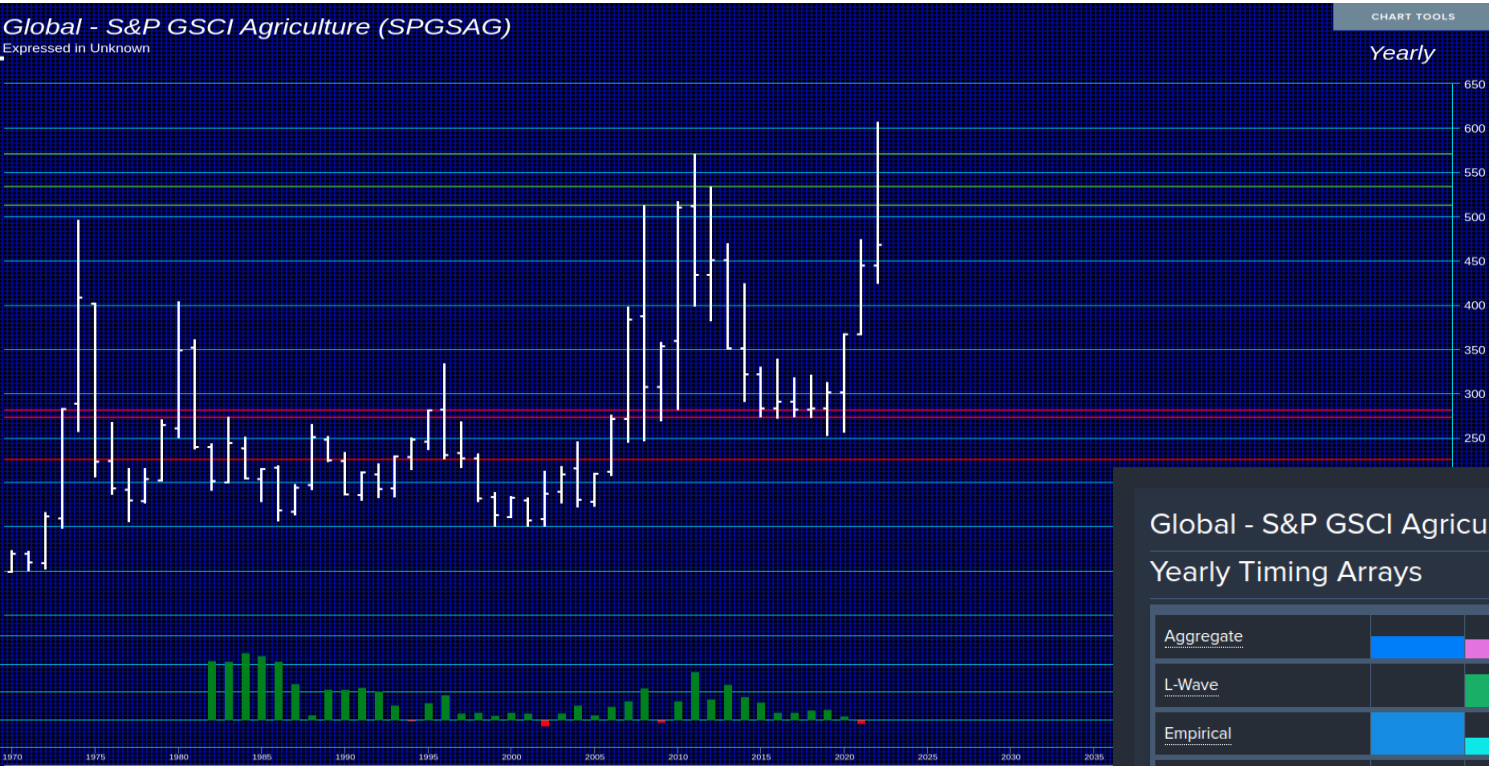
Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Neutral	Bullish	Bullish

## Global - S&P GSCI Energy 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												

# S&P GSCI Agriculture (as of YEARLY close – 2021)

Global - S&P GSCI Agriculture (SPGSAG)  
Expressed in Unknown



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
570.50	513.05		281.15
	533.70		273.15
			225.40

## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Bullish	Bullish

## Global - S&P GSCI Agriculture Yearly Timing Arrays

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

# S&P GSCI Agriculture (as of QUARTERLY close – Sep 2022)

Global - S&P GSCI Agriculture (SPGSAG)  
Expressed in Unknown



Quarterly Indicating Ranges			
Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	566.50	365.65	273.35
		278.80	273.15
		276.45	

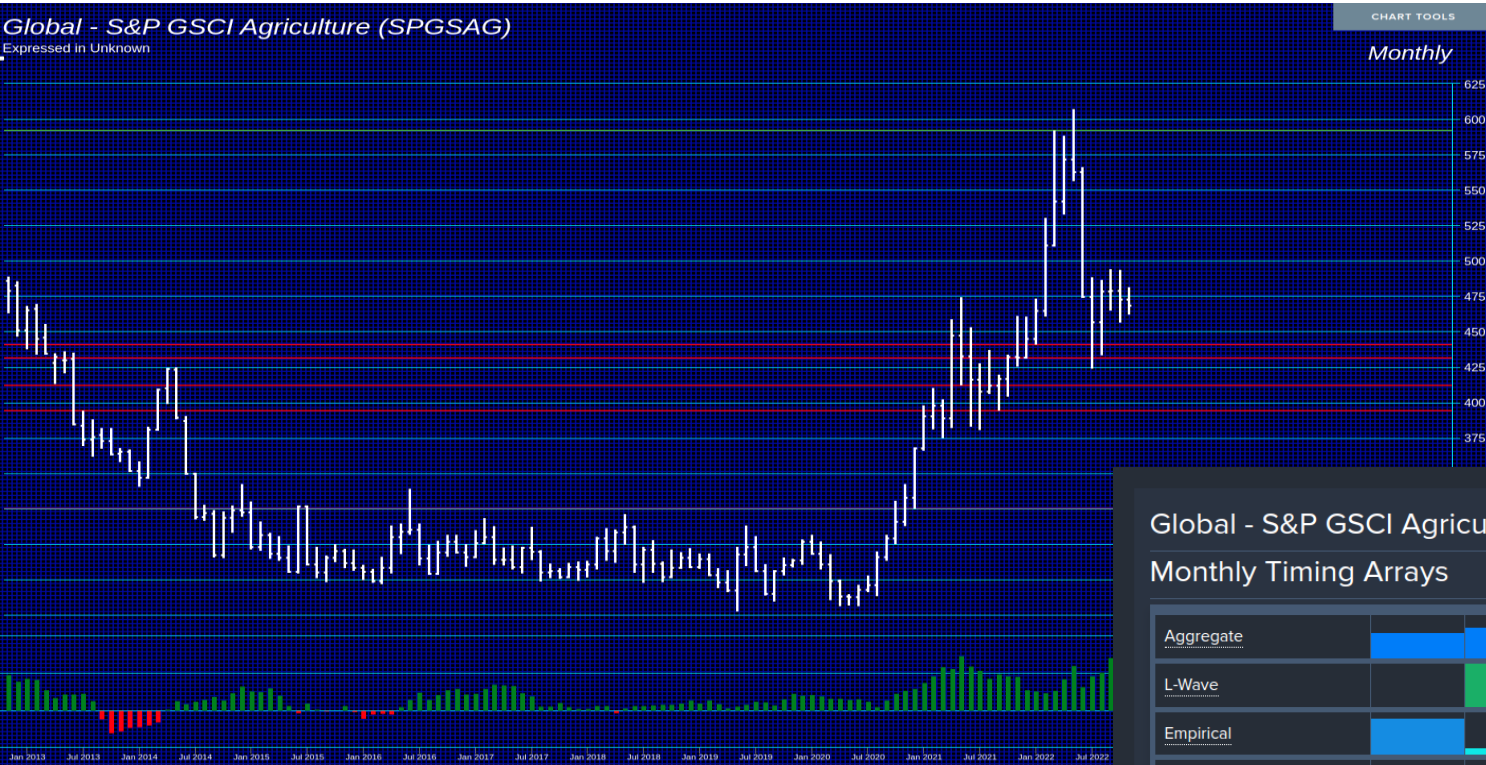
## Global - S&P GSCI Agriculture Quarterly Timing Arrays

	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												



# S&P GSCI Agriculture (as of MONTHLY close – Oct 2022)

Global - S&P GSCI Agriculture (SPGSAG)  
Expressed in Unknown



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
592.00		431.45	440.65
		394.35	412.05
		325.10	

## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Neutral	Bullish	Bullish

## Global - S&P GSCI Agriculture 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												

# S&P GSCI Industrial Metals (as of YEARLY close – 2021)

Global - S&P GSCI Industrial Metals (GSINSPT)  
Expressed in US Dollar



Yearly

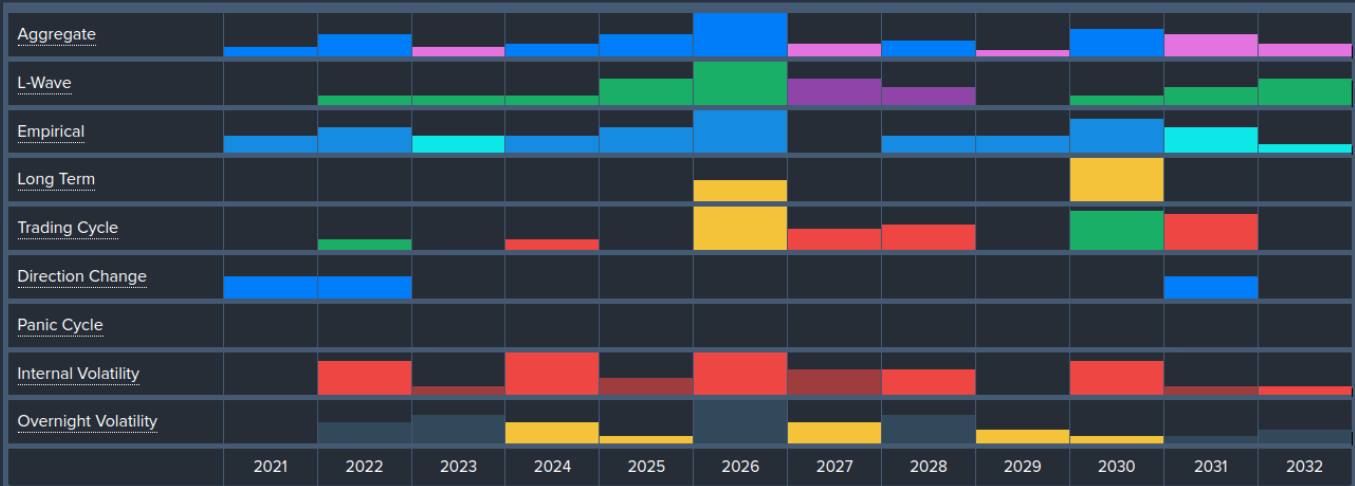
## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	502.50	143.25	187.00
	536.60		

## Yearly Indicating Ranges

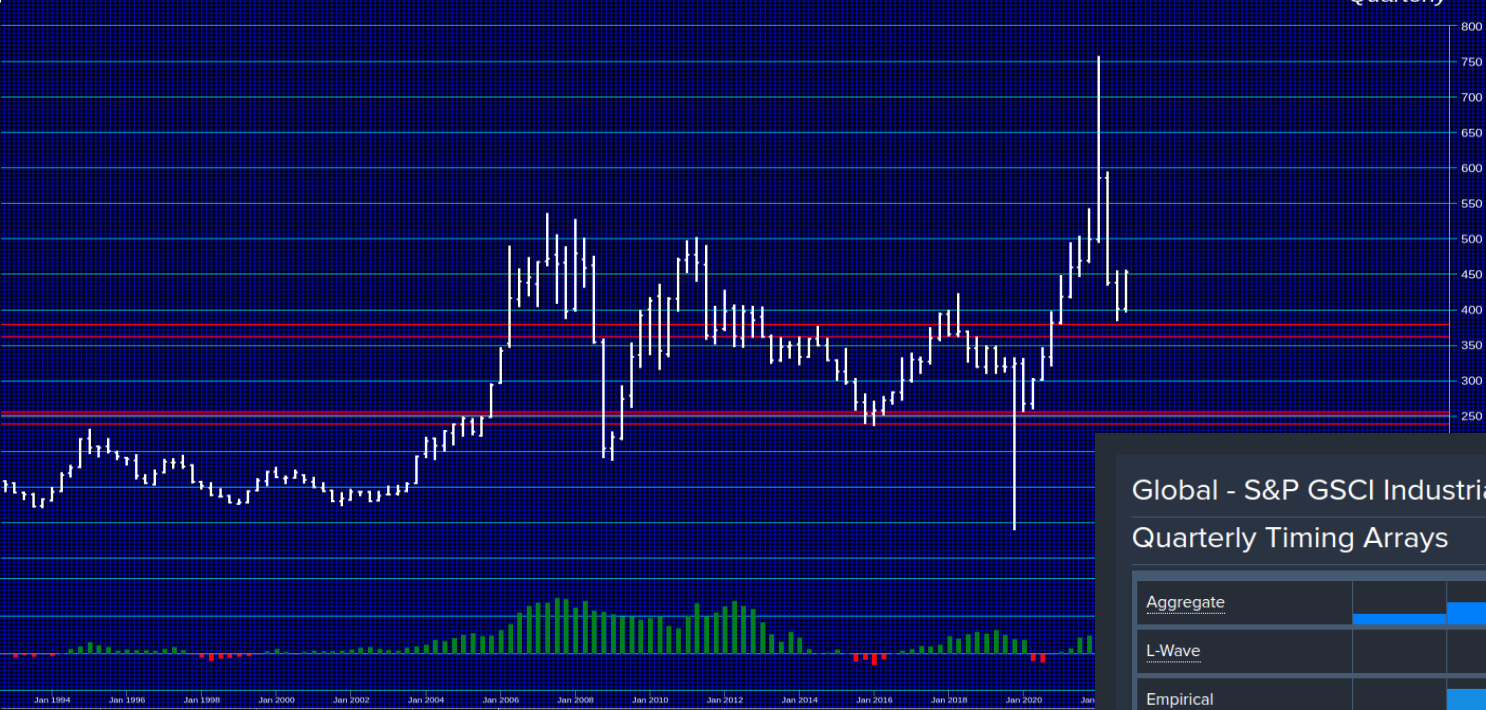
Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

## Global - S&P GSCI Industrial Metals Yearly Timing Arrays



# S&P GSCI Industrial Metals (as of QUARTERLY close – Sep 2022)

Global - S&P GSCI Industrial Metals (GSINSPT)  
Expressed in US Dollar



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		379.25	238.00
		361.55	
		255.10	
		250.55	

## Global - S&P GSCI Industrial Metals Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

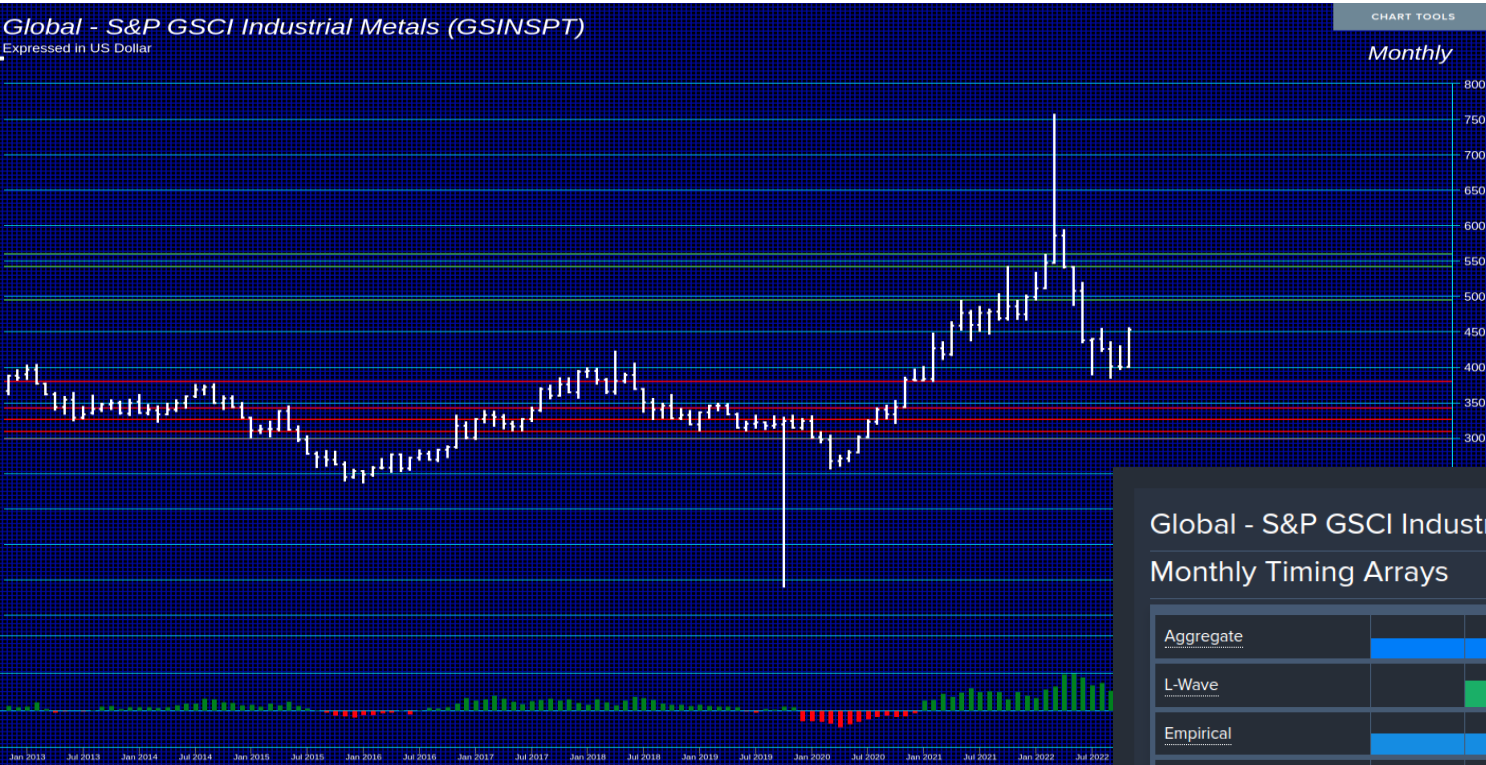
## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bullish	Bullish	Bullish



# S&P GSCI Industrial Metals (as of MONTHLY close – Oct 2022)

Global - S&P GSCI Industrial Metals (GSINSPT)  
Expressed in US Dollar



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	495.10	341.75	379.70
	541.80		325.80
	559.80		309.20
			299.15

## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bullish

## Global - S&P GSCI Industrial Metals 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												

# S&P GSCI Precious Metals (as of YEARLY close – 2021)

Global - S&P GSCI Precious Metals (GSPMTOT)  
Expressed in US Dollar



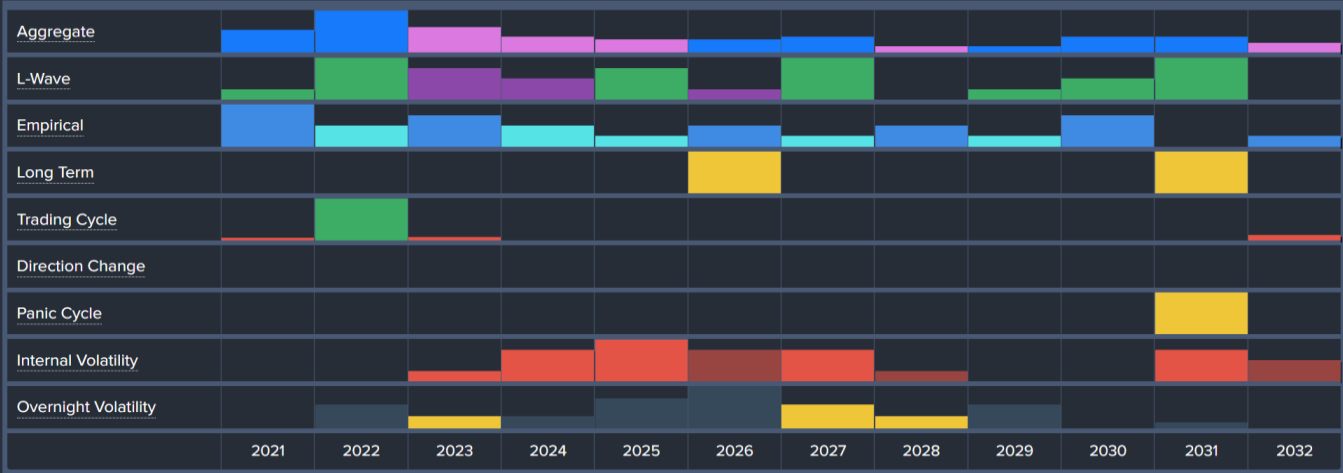
## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
2,594.10		1,983.25	
		1,300.70	
		842.70	
		514.40	
		440.40	

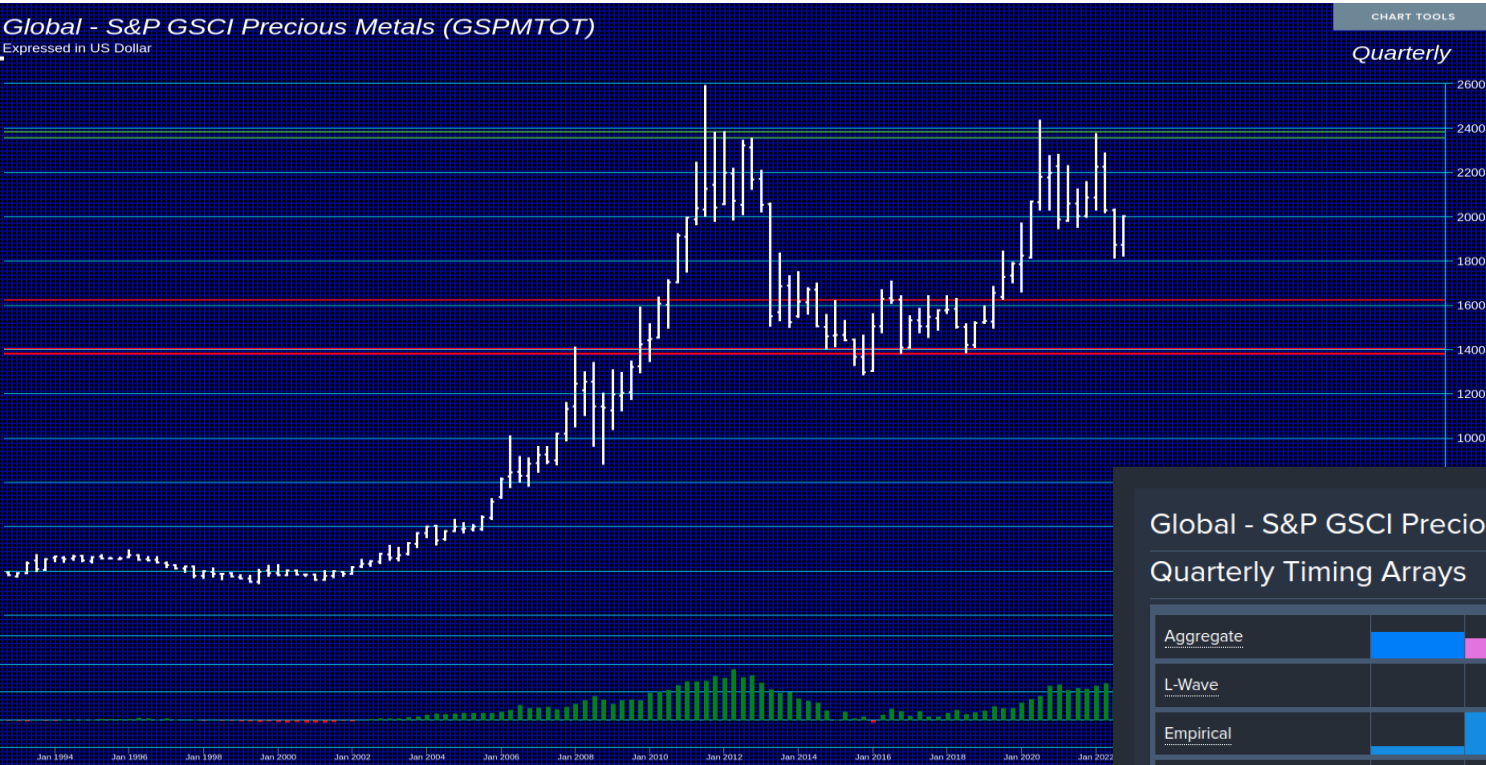
## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Bullish	Bullish

## Global - S&P GSCI Precious Metals Yearly Timing Arrays



Global - S&P GSCI Precious Metals (GSPMTOT)  
Expressed in US Dollar



Quarterly Reversals			
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	2,355.95	1,623.20	1,402.35
	2,384.40	1,399.50	
		1,383.05	
		1,378.10	

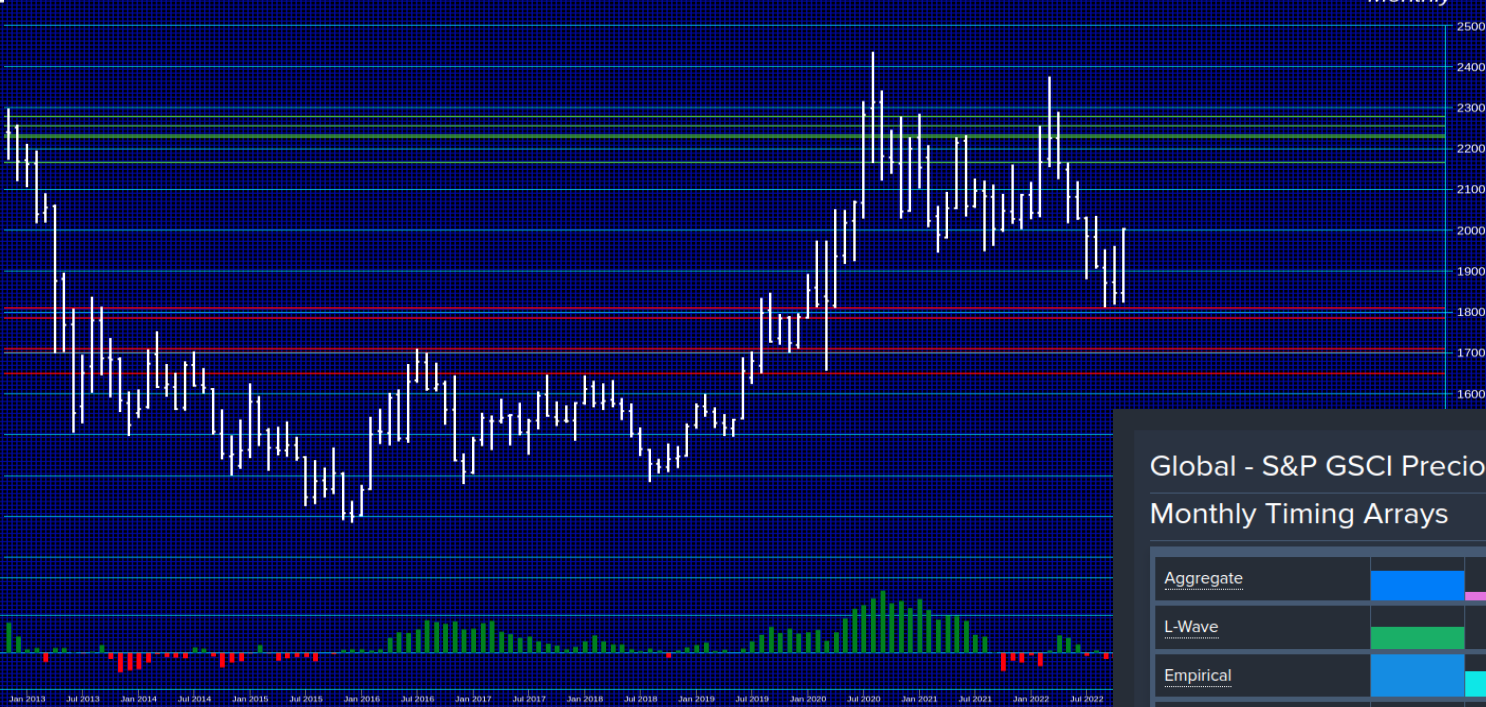
Quarterly Indicating Ranges			
Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bullish	Bullish

Global - S&P GSCI Precious Metals Quarterly Timing Arrays												
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025



# S&P GSCI Precious Metals (as of MONTHLY close – Oct 2022)

Global - S&P GSCI Precious Metals (GSPMTOT)  
Expressed in US Dollar



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
2,165.10	2,226.80	1,809.15	1,785.10
2,232.30		1,709.45	1,699.60
2,255.75			1,649.65
2,277.85			

## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

## Global - S&P GSCI Precious Metals 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	Blue	Blue
L-Wave	Green		Green			Green	Green	Purple				Green
Empirical	Blue	Cyan		Blue	Blue	Blue	Cyan		Blue	Cyan	Cyan	Blue
Long Term	Yellow		Yellow	Orange	Yellow	Yellow	Orange	Yellow	Yellow	Yellow	Yellow	Orange
Trading Cycle	Red		Green	Red		Red	Green				Green	
Direction Change			Blue	Blue	Blue				Blue			
Panic Cycle							Yellow					
Internal Volatility		Red	Red	Red	Red	Red	Red	Red		Red		Red
Overnight Volatility			Yellow		Yellow			Yellow			Yellow	

# GLOBAL COMMODITIES

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2022 WEC Global Markets Overview

# GOLD (as of YEARLY close – 2021)

NY Gold Futures (GC20621N)  
Expressed in US Dollar



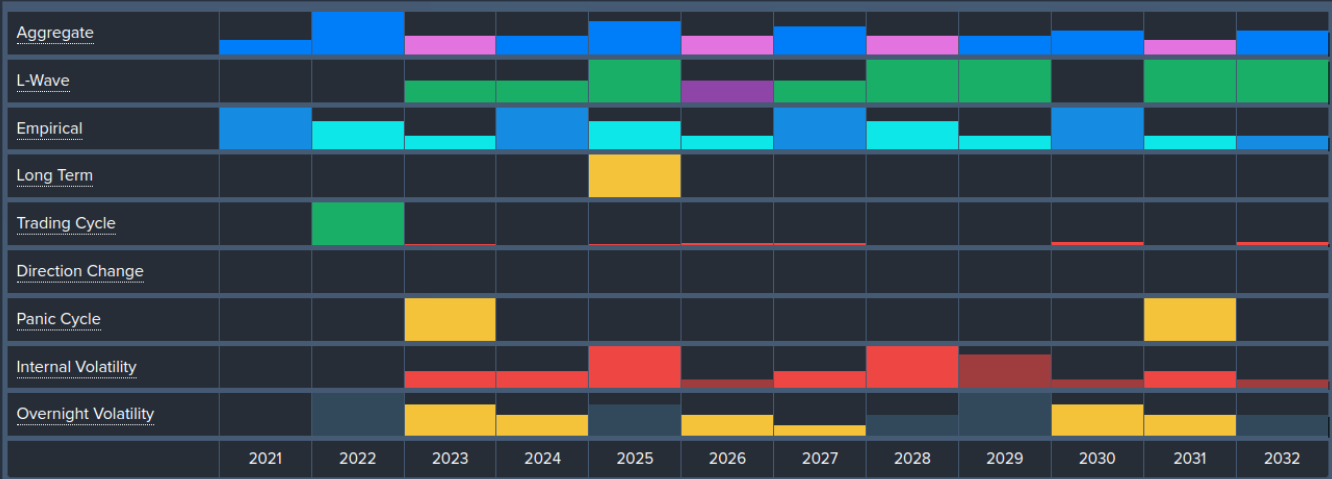
Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

Yearly Reversals

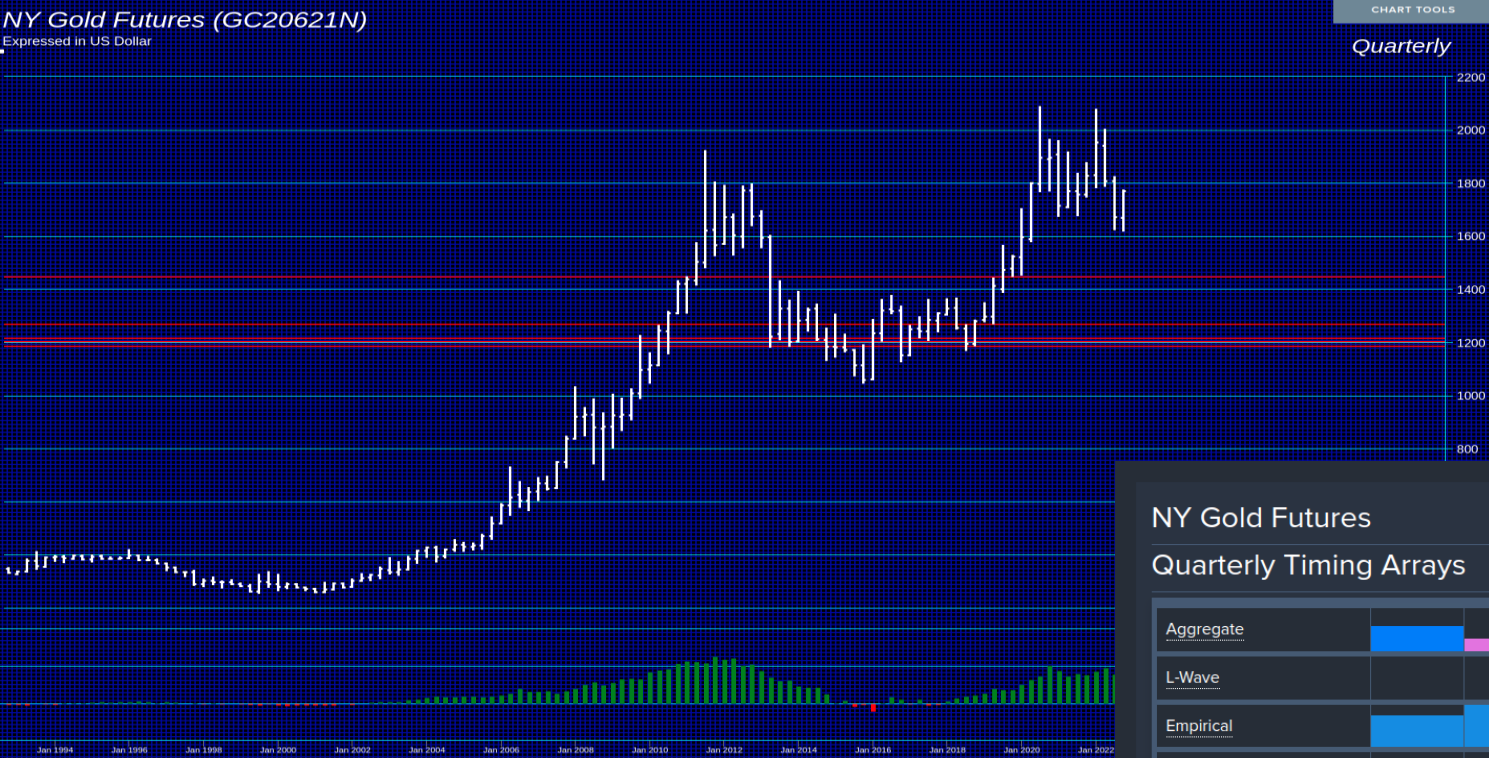
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		1,146.40	
		1,045.30	
		680.00	
		602.00	
		517.50	

NY Gold Futures  
Yearly Timing Arrays





# GOLD (as of QUARTERLY close – Sept 2022)



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		1,446.10	1,185.00
		1,267.20	
		1,214.20	
		1,202.40	

## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bullish	Bullish

## NY Gold Futures Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

# GOLD (as of MONTHLY close – Oct 2022)



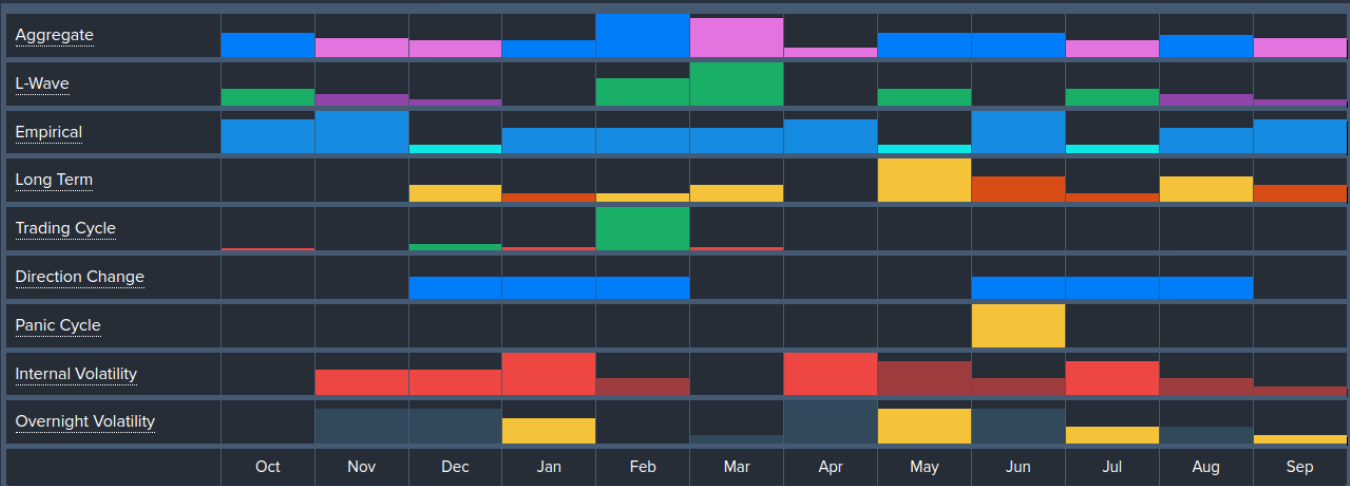
## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	1,805.00	1,575.00	1,446.10
	1,919.30	1,519.60	
	2,004.00	1,450.80	
	2,078.90	1,310.80	
	2,089.30		

## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

## NY Gold Futures Monthly Timing Arrays



# SILVER (as of YEARLY close – 2021)

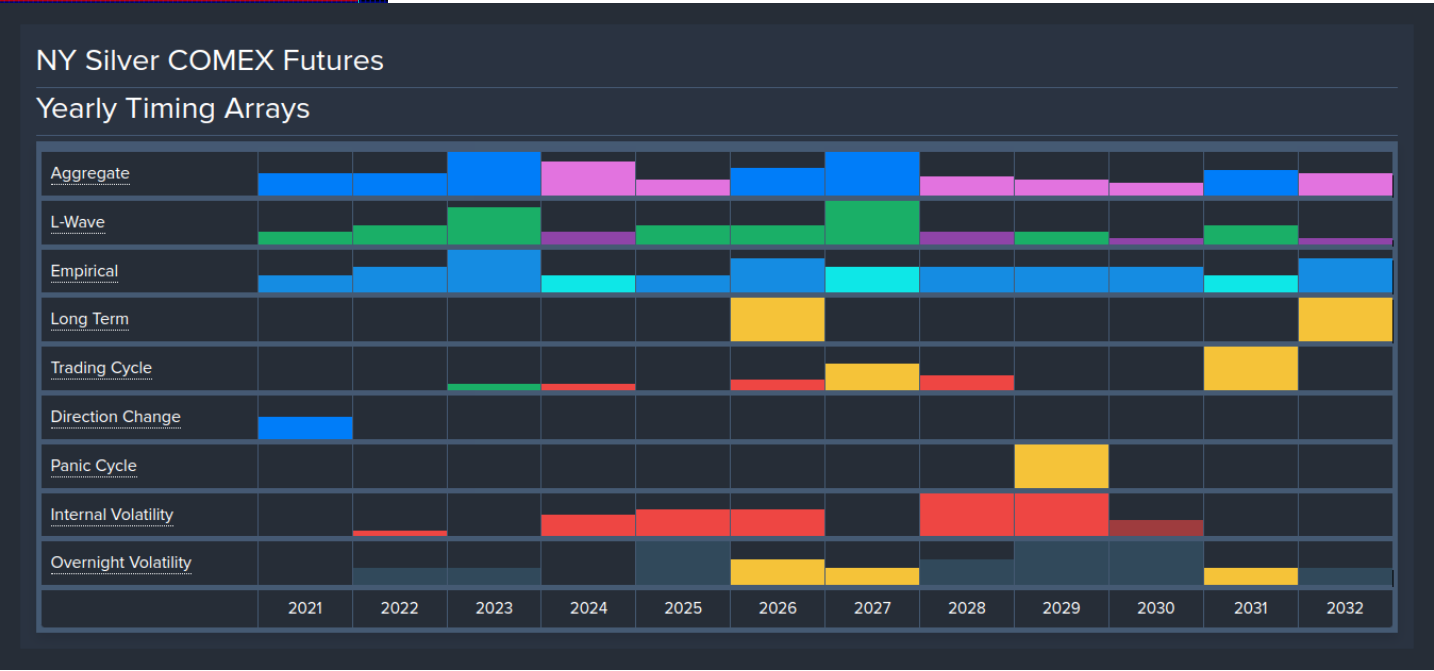


### Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	30.9200	8.7500	14.4700
	35.1000	6.4360	
	37.4900		

### Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish





# SILVER (as of QUARTERLY close – Sept 2022)



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	28.3700	16.8600	13.9000
	29.9160	15.1240	13.8500
	30.3600	14.8800	
	35.1600		
	37.4900		

## NY Silver COMEX Futures Quarterly Timing Arrays

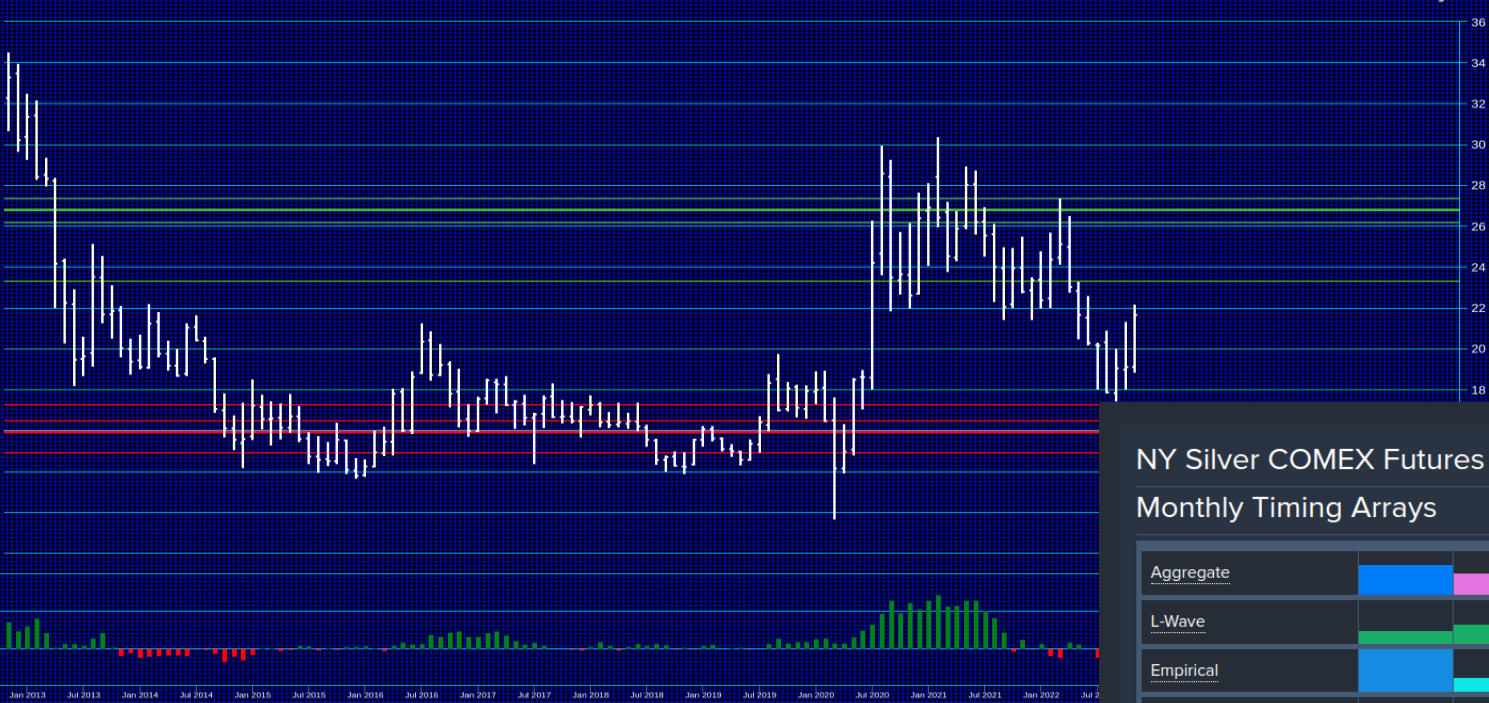
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bullish	Bullish

# SILVER (as of MONTHLY close – Oct 2022)

NY Silver COMEX Futures (SI20\_&1N)  
Expressed in US Dollar



Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Bearish	Bearish	Bearish

## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
23.2800	26.8200	17.2640	15.9340
26.1760		16.4700	15.8700
26.7400			14.9000
27.3600			

## NY Silver COMEX Futures Monthly Timing Arrays

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

# WHEAT (as of YEARLY close – 2021)

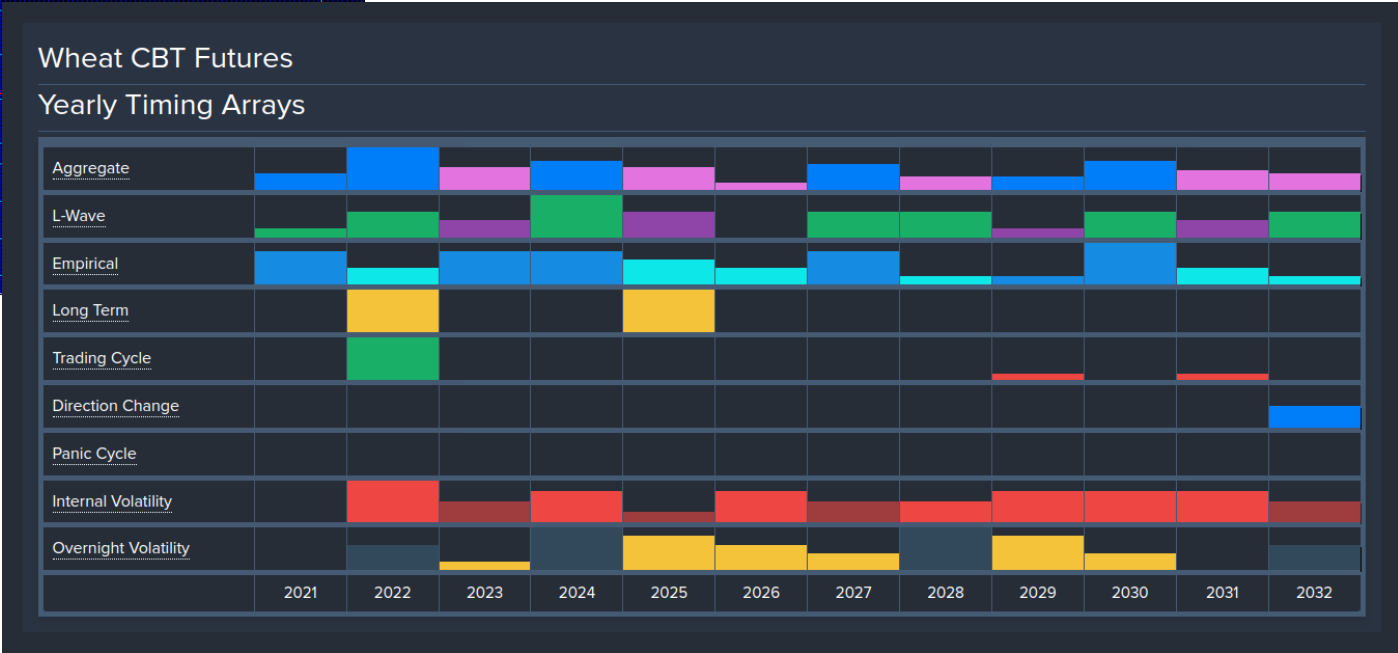


Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
799.50	1,009.00	311.00	
893.00			

Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Neutral	Bullish





# WHEAT (as of QUARTERLY close – Sept 2022)



### Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	1,009.00	601.00	485.00
	1,349.00	561.00	471.00
		463.00	

### Quarterly Indicating Ranges

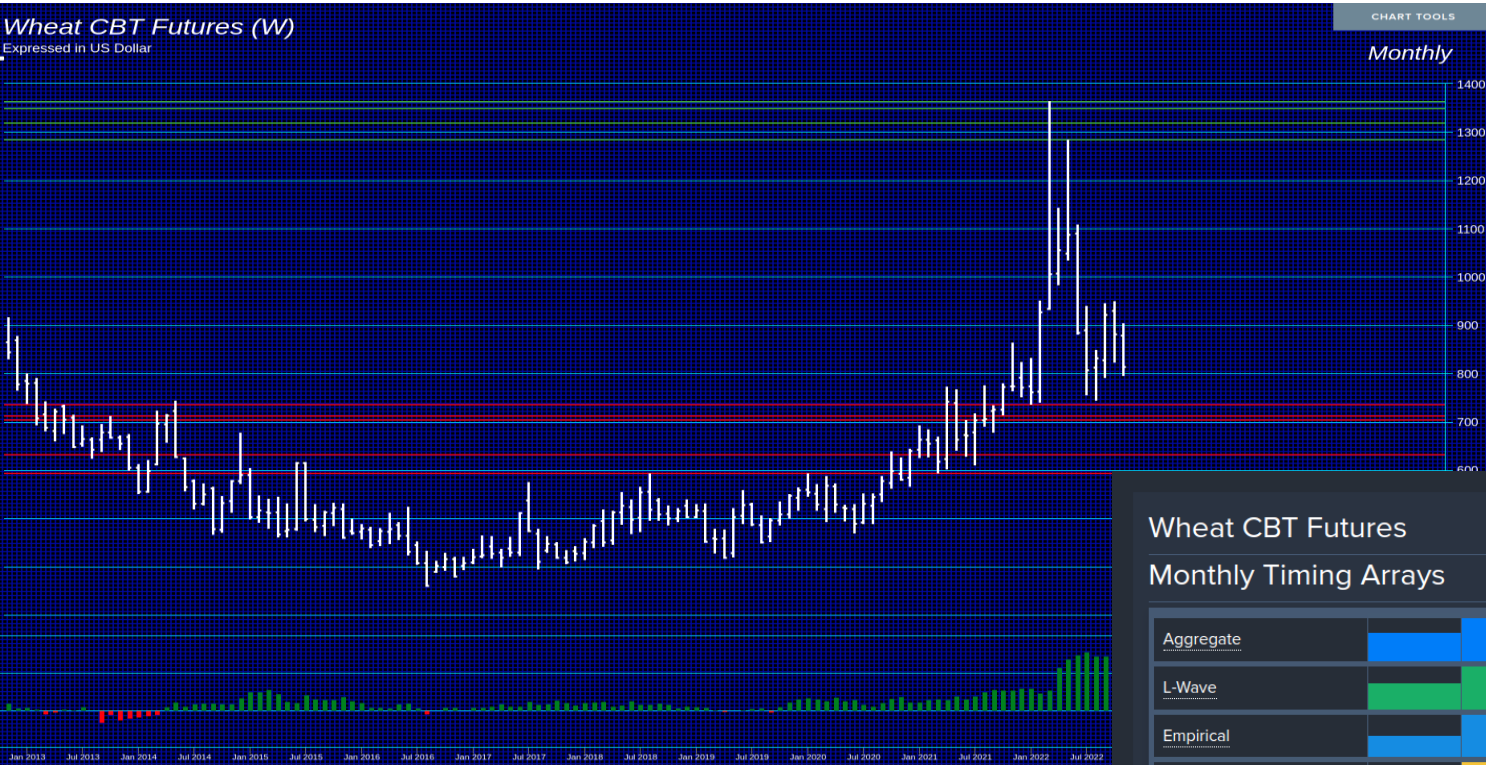
Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

### Wheat CBT Futures Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

# WHEAT (as of MONTHLY close – Oct 2022)

Wheat CBT Futures (W)  
Expressed in US Dollar



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	1,284.00	735.00	704.00
	1,318.00	712.50	632.00
	1,349.00		593.00
	1,363.00		

## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Bearish	Bullish	Bullish

## Wheat 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

# SOY (as of YEARLY close – 2021)



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
451.00		251.00	296.00
509.00			263.50
554.00			

## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Neutral	Bullish

## Soybean Meal CBT Futures

### Yearly Timing Arrays

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



# SOY (as of QUARTERLY close – Sept 2022)



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	471.00	341.50	303.00
	486.00	325.50	291.50
	490.00	300.00	

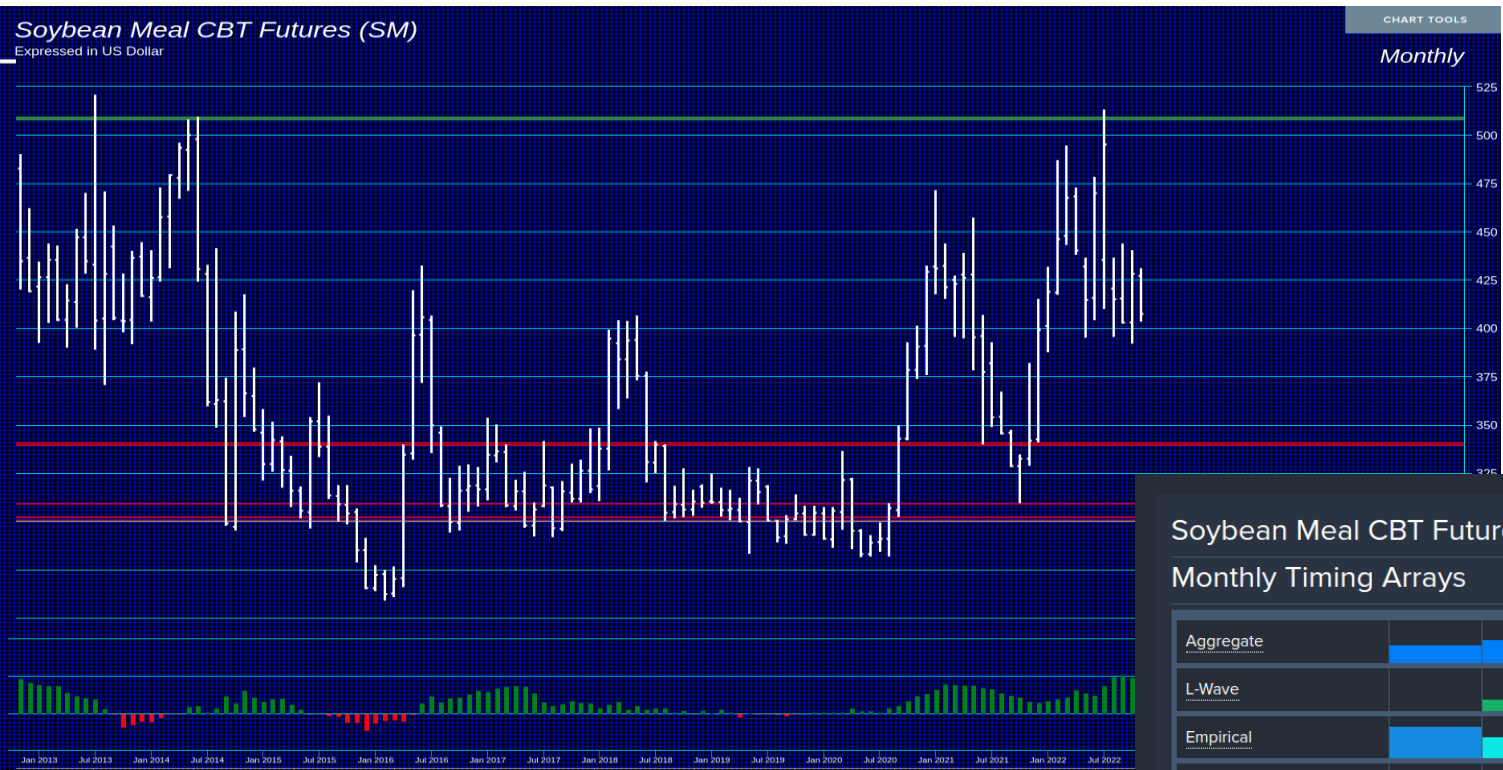
## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Bullish	Bullish

## Soybean Meal CBT Futures Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

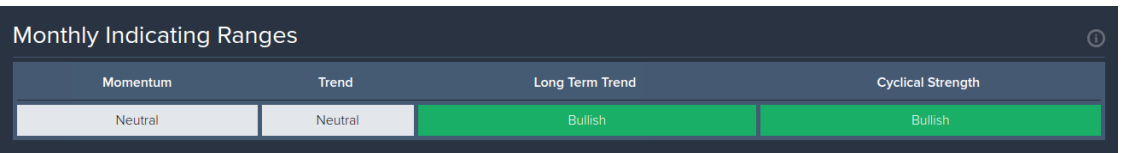
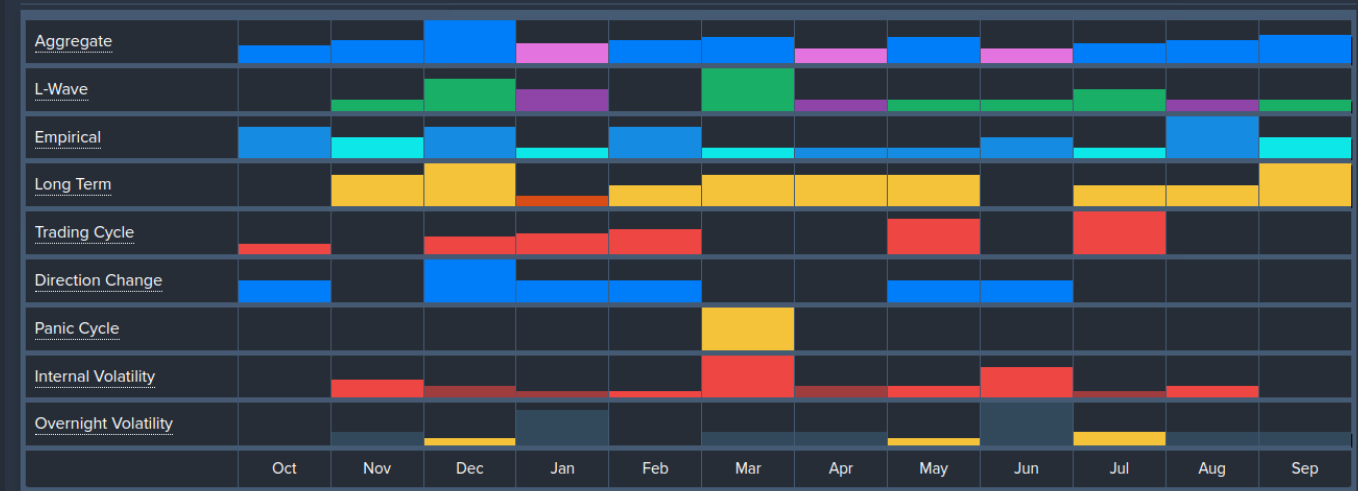
# SOY (as of MONTHLY close – Oct 2022)



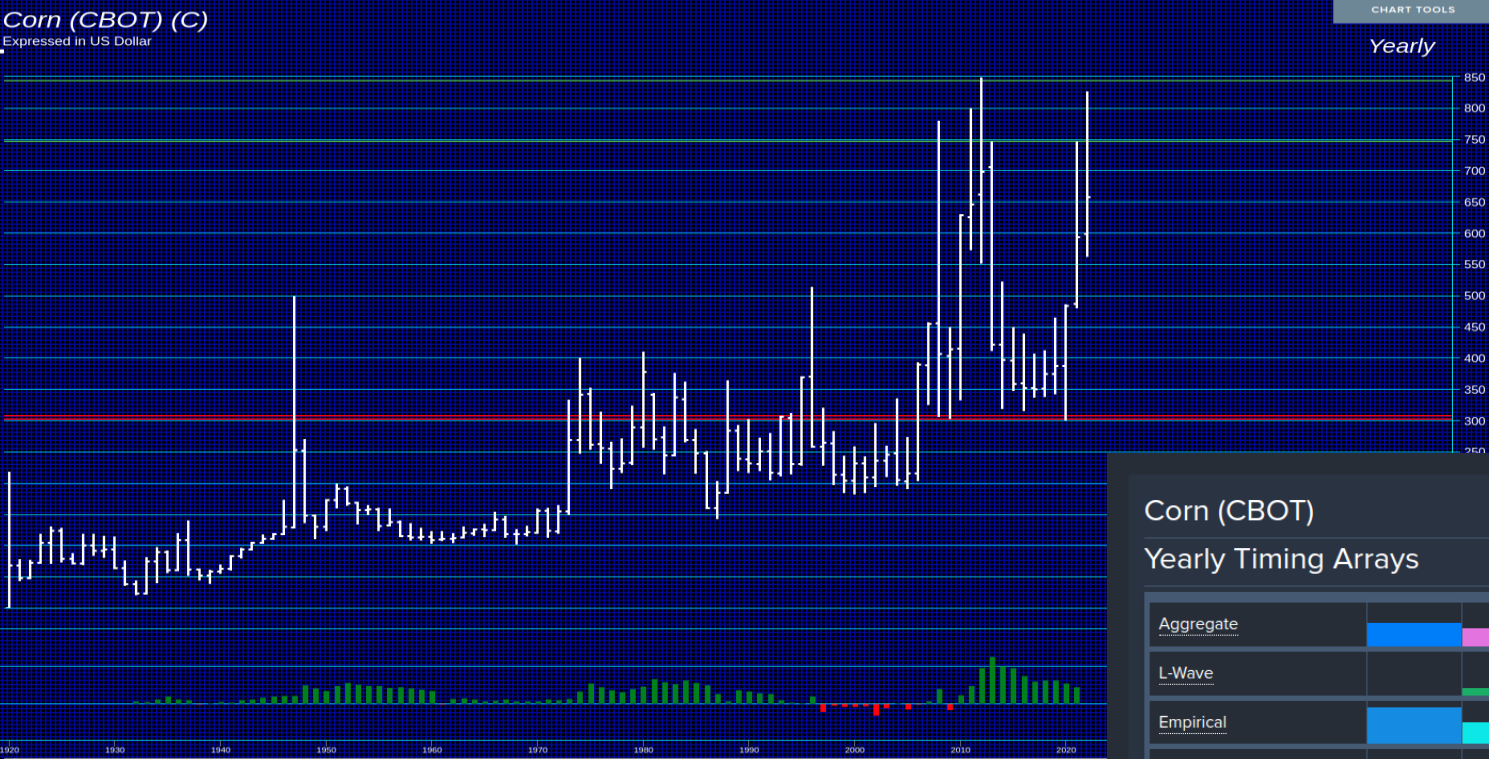
## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	508.00	339.50	340.50
	509.00		309.00
	544.00		302.00
	554.00		300.50

## Soybean Meal CBT Futures Monthly Timing Arrays



# CORN (as of YEARLY close – 2021)

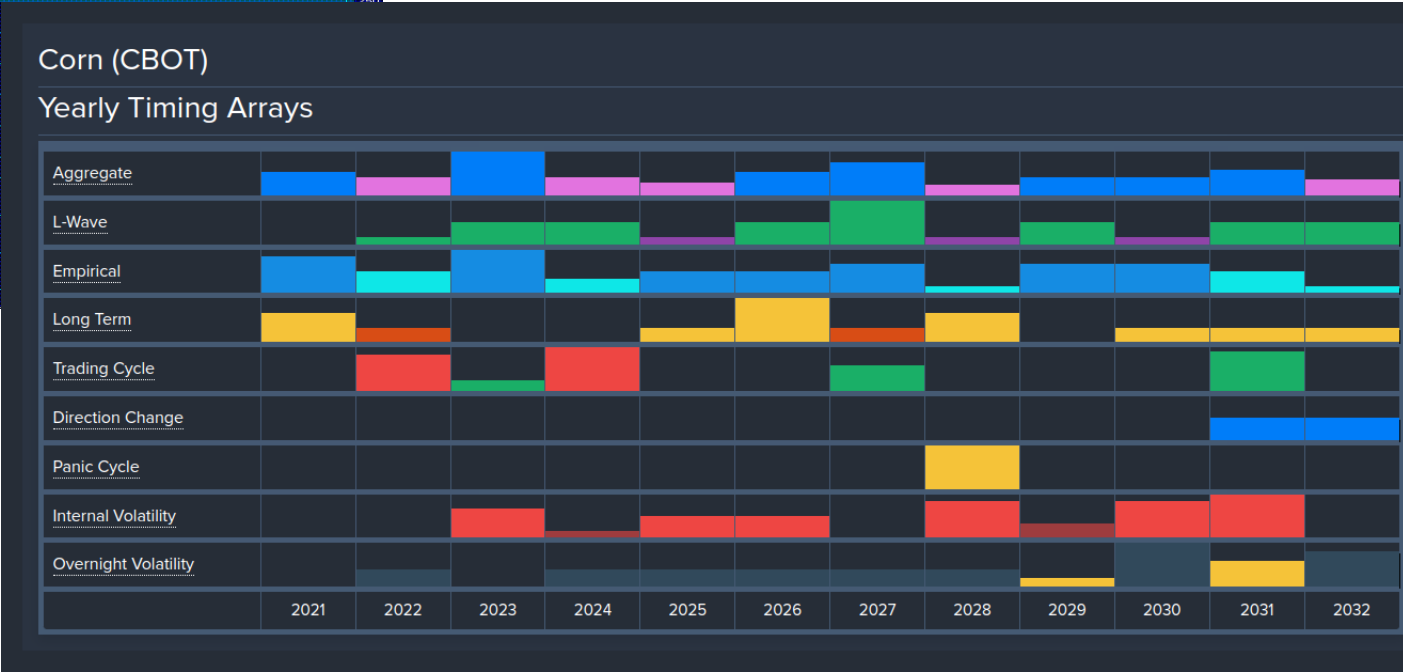


Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	746.00	308.00	
	843.50	302.00	

Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Neutral	Bullish





# CORN (as of QUARTERLY close – Sept 2022)

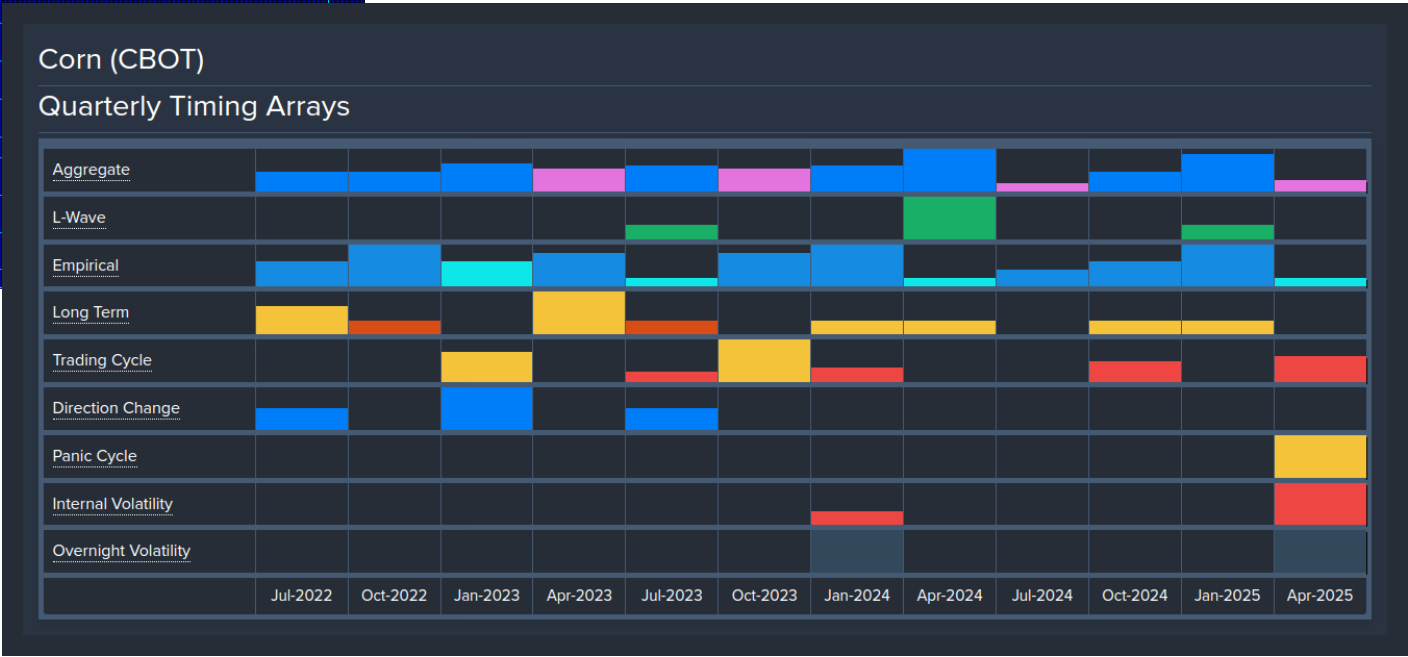


### Quarterly Reversals

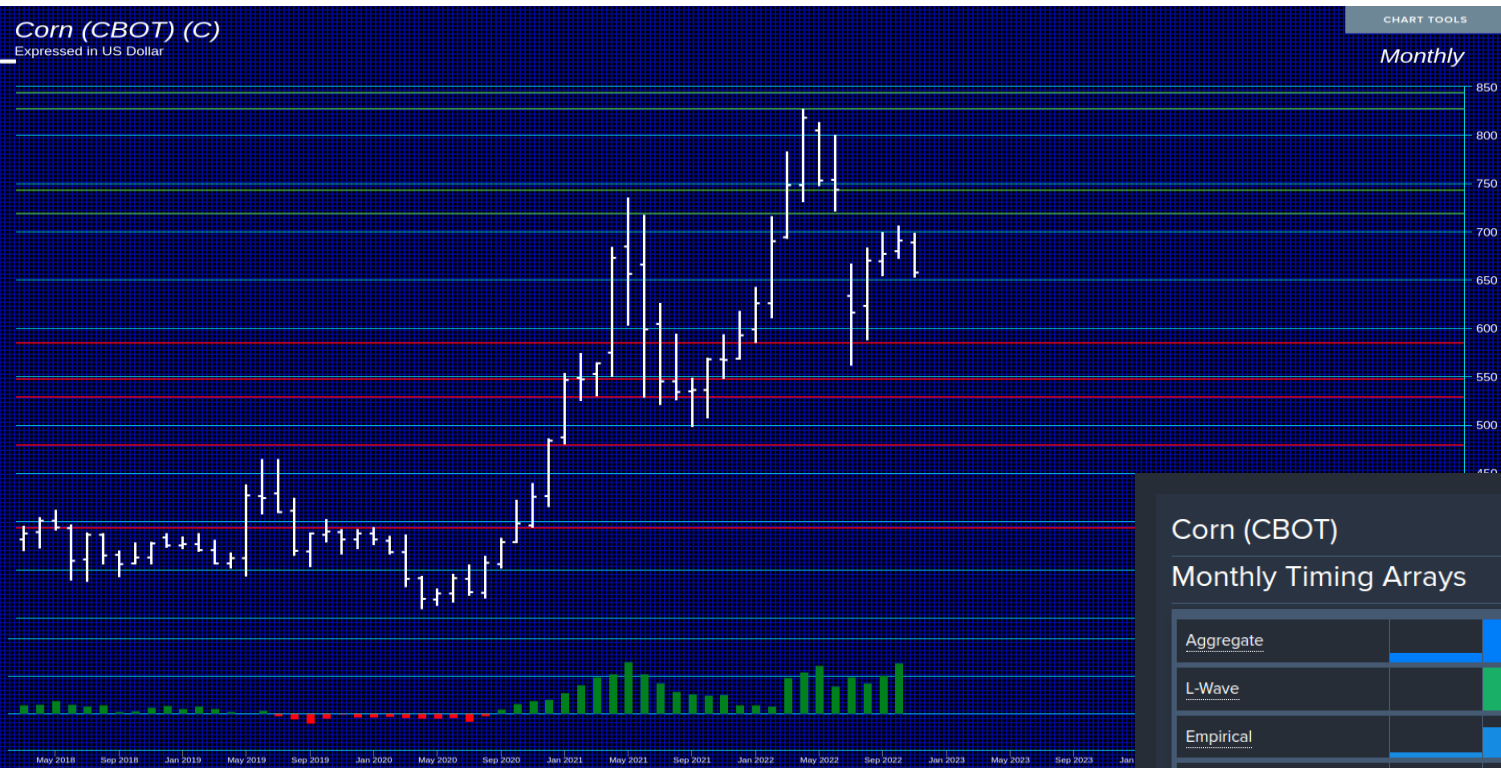
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
765.00	799.50	497.00	345.00
	843.50	377.00	
		355.00	
		346.00	

### Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Bullish	Bullish



# CORN (as of MONTHLY close – Oct 2022)

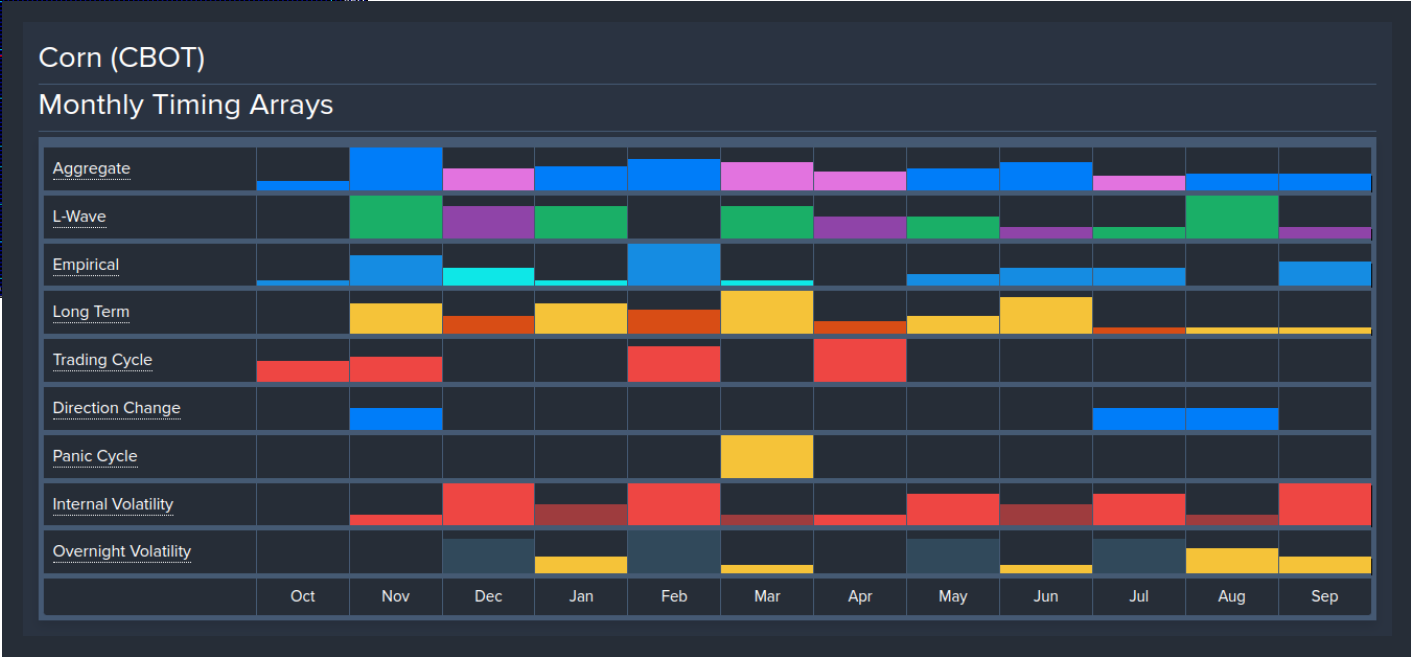


Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	718.50	584.50	479.00
	743.00	547.50	393.00
	827.00	529.00	
	843.50		

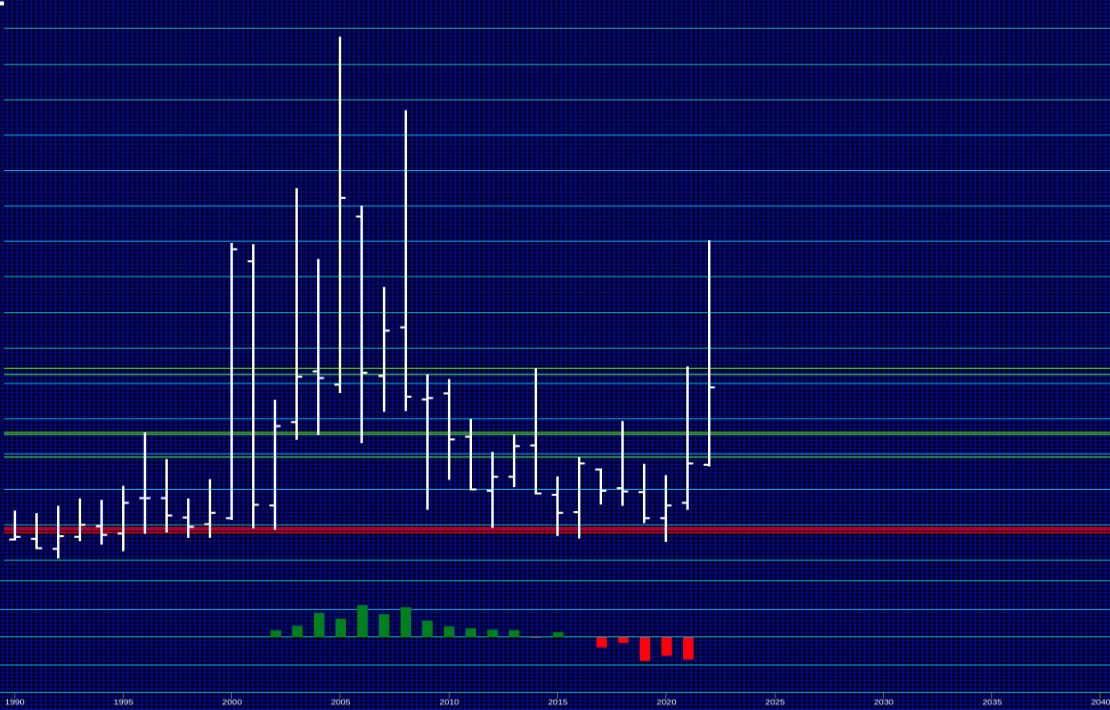
Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bearish	Bullish	Bullish



# NY Natural Gas Futures (as of YEARLY close – 2021)

NY Natural Gas Futures (NG)  
Expressed in US Dollar



Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Bullish	Neutral	Neutral

## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
3.900	4.540	1.850	1.900
4.600	6.240		1.780
6.400			

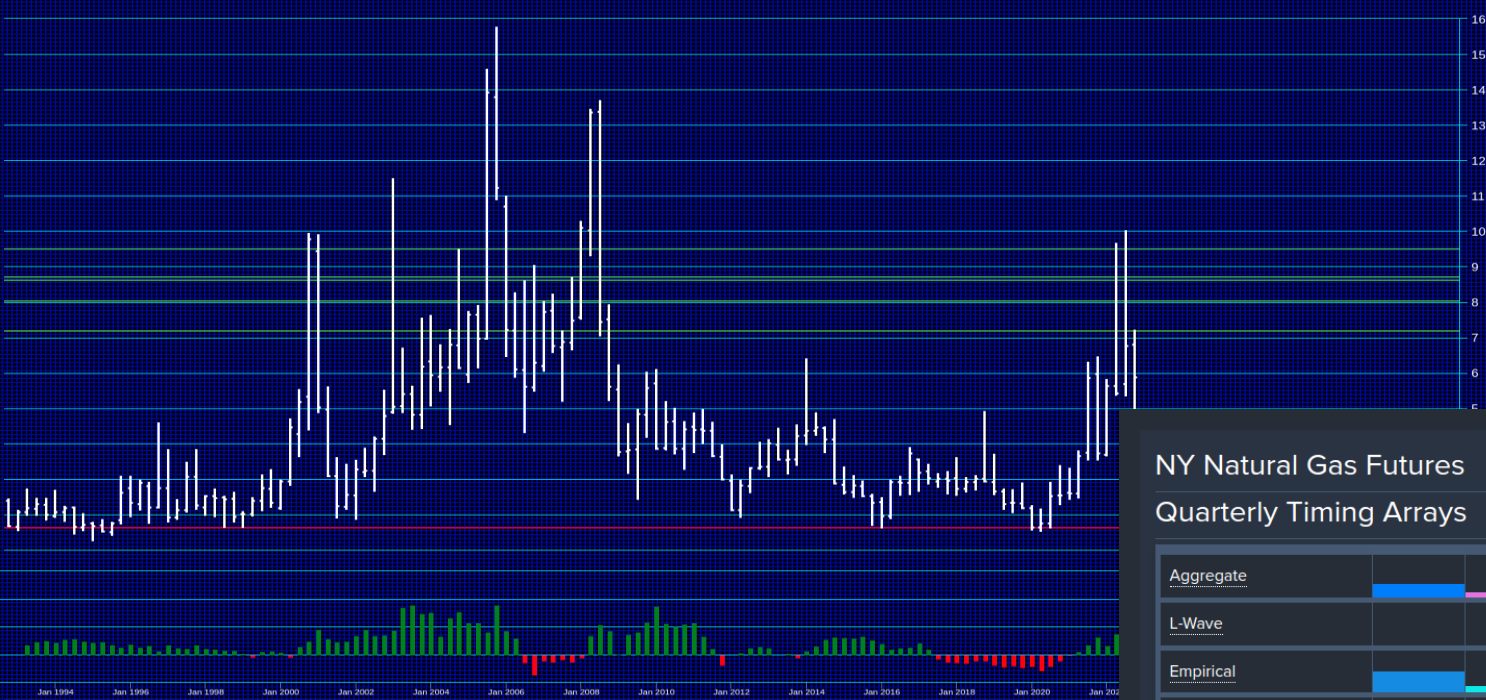
## NY Natural Gas Futures Yearly Timing Arrays

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



# NY Natural Gas Futures (as of QUARTERLY close – Sept 2022)

NY Natural Gas Futures (NG)  
Expressed in US Dollar



Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

Quarterly Reversals

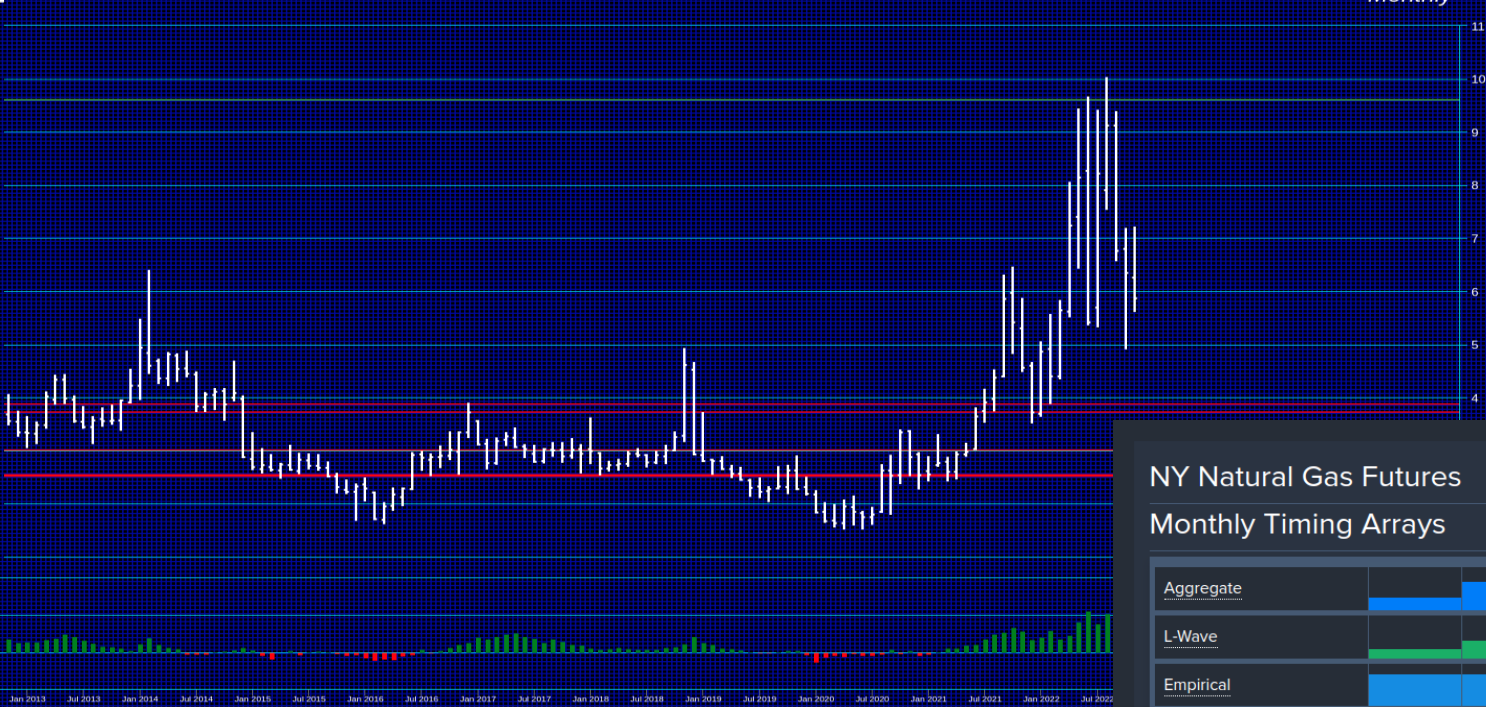
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	7.190		1.630
	8.030		
	8.615		
	8.710		
	9.500		

NY Natural Gas Futures  
Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

# NY Natural Gas Futures (as of MONTHLY close – Oct 2022)

NY Natural Gas Futures (NG)  
Expressed in US Dollar



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
9.600	11.460	3.875	3.010
		3.730	2.540
			2.520

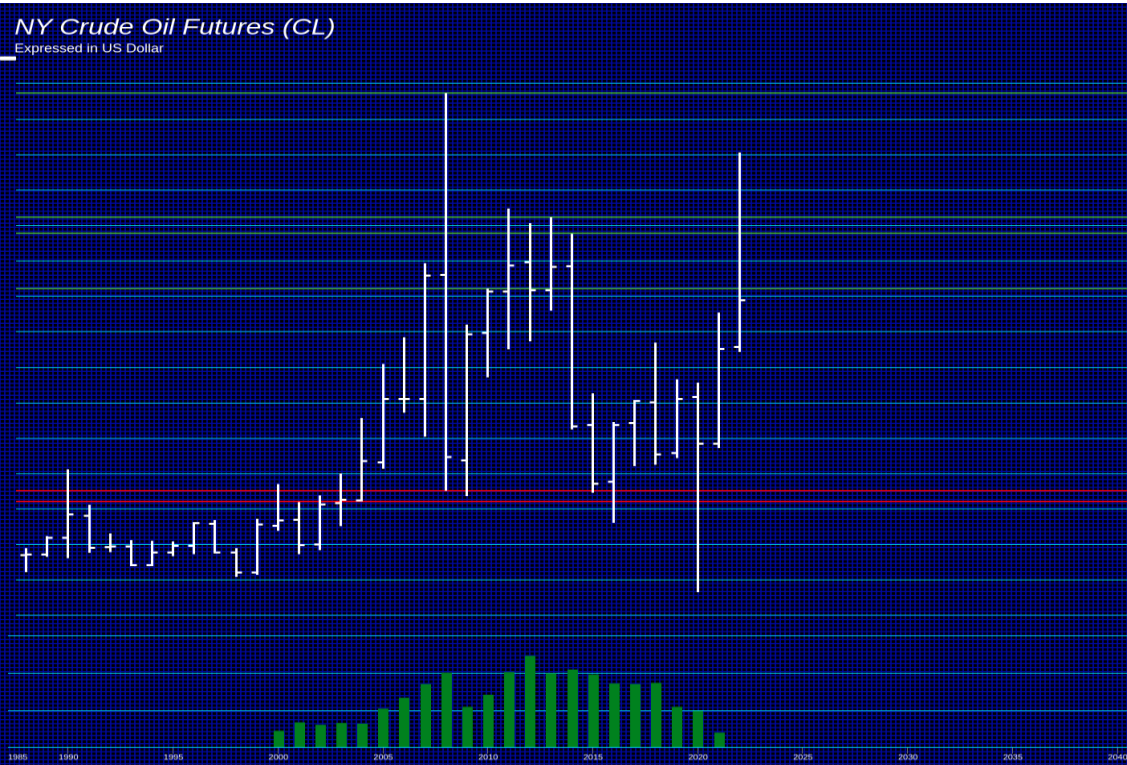
## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Neutral	Bullish

## NY Natural Gas Futures Monthly Timing Arrays

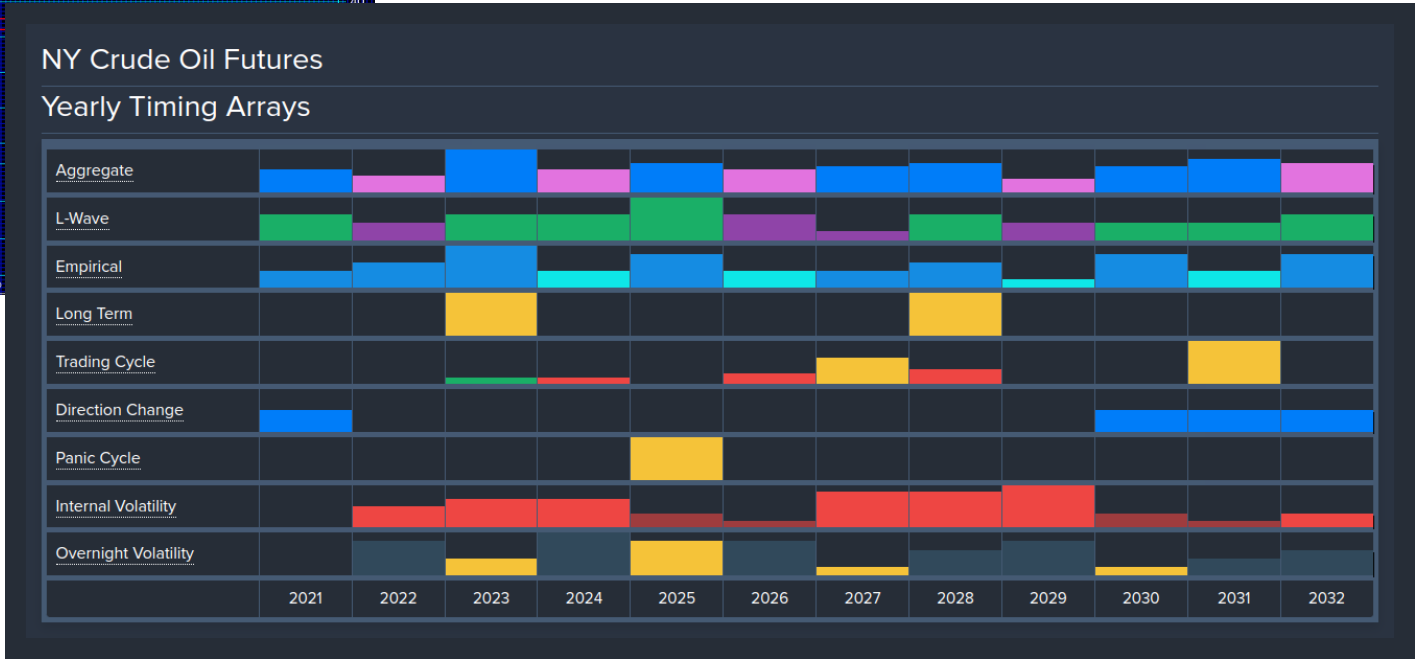
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

# NY Crude Oil Futures(as of YEARLY close – 2021)



### Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
107.70	92.07	32.10	35.00
147.30	112.30		



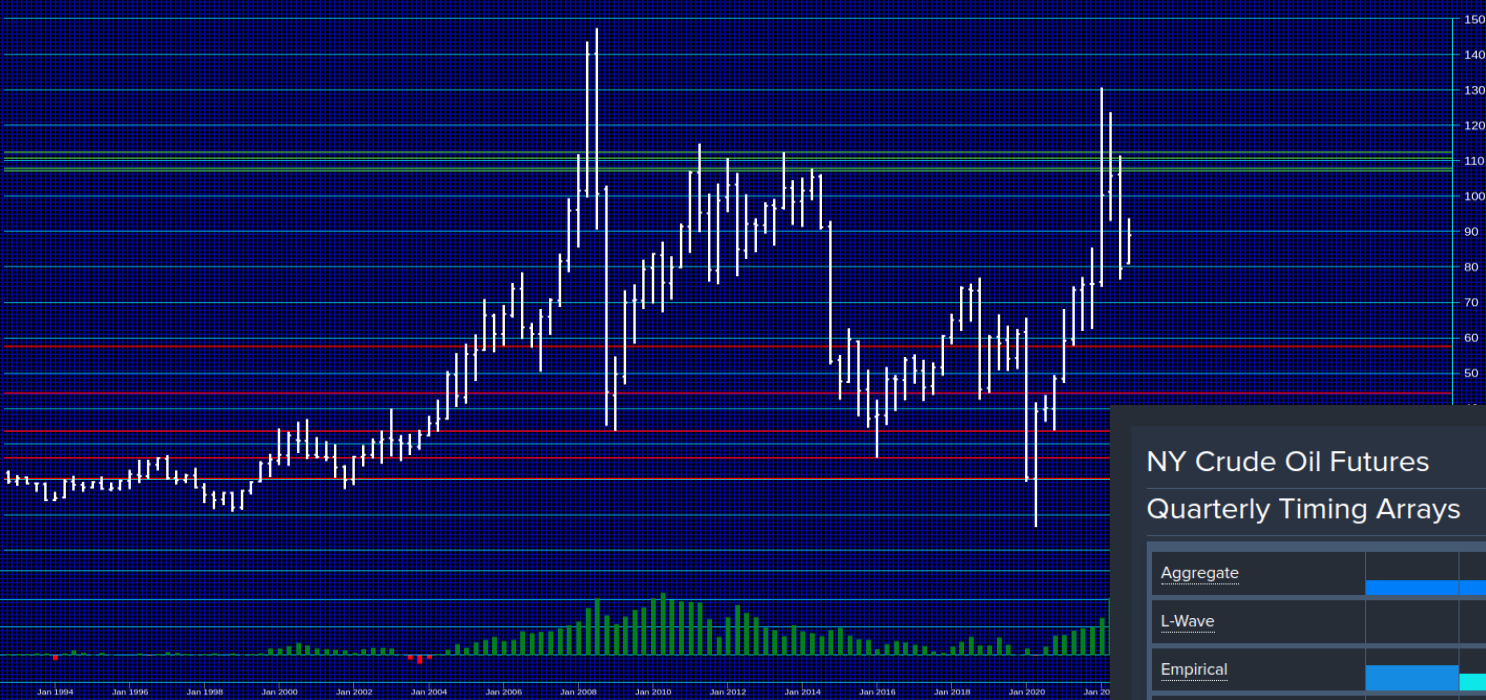
### Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Bullish	Neutral	Bullish



# NY Crude Oil Futures(as of QUARTERLY close – Sept 2022)

NY Crude Oil Futures (CL)  
Expressed in US Dollar



Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Bullish	Bullish	Bullish

## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	107.00	57.50	20.20
	107.70	44.20	
	110.60	33.50	
	112.30	26.04	

## NY Crude Oil Futures Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

# NY Crude Oil Futures(as of MONTHLY close – Oct 2022)

NY Crude Oil Futures (CL)  
Expressed in US Dollar



Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bullish	Bullish

Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
147.30	123.70	67.00	65.00
	130.60	62.30	61.40
	135.10		57.50

NY Crude Oil Futures  
Monthly Timing Arrays

Aggregate	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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

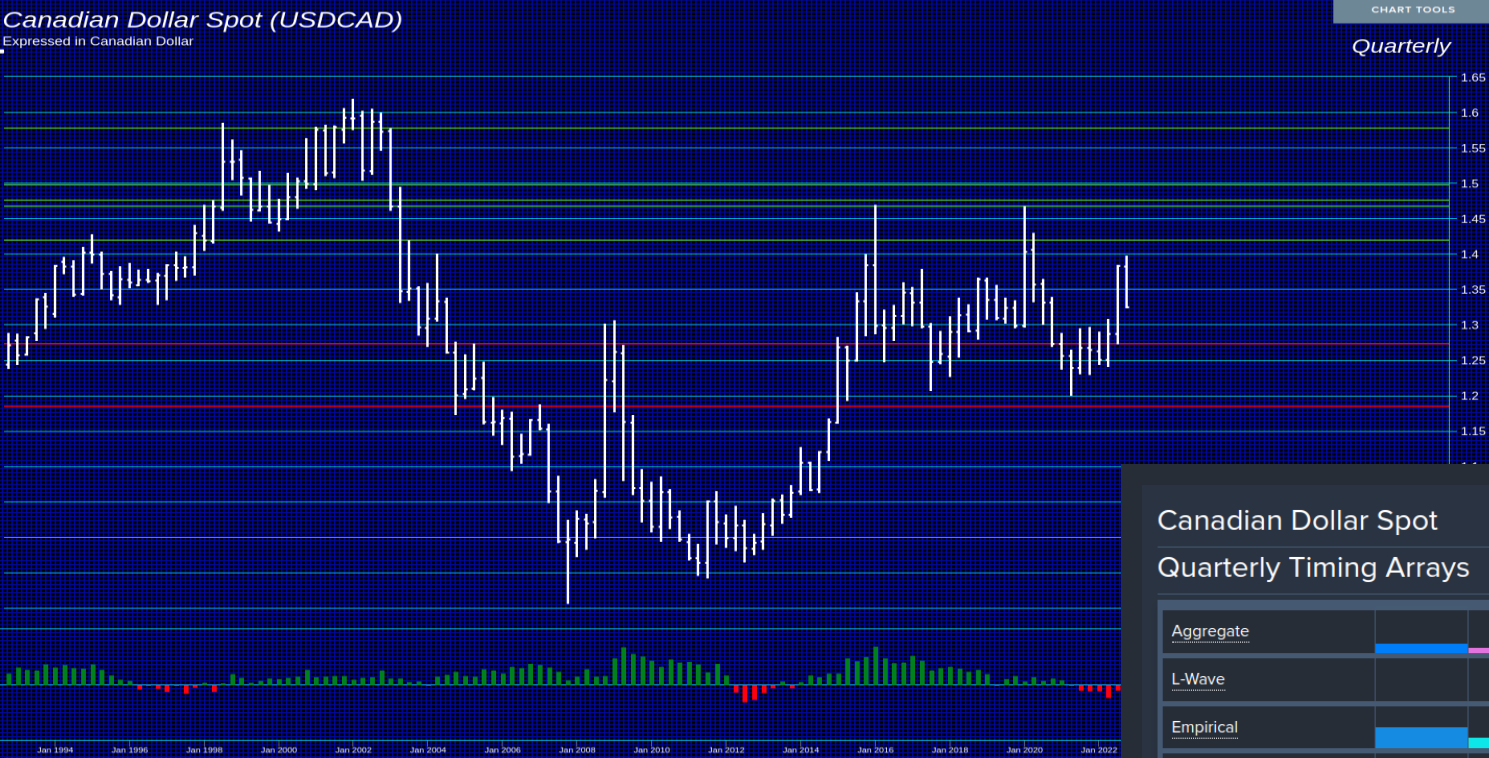
# GLOBAL CURRENCY

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2022 WEC Global Markets Overview



# CAN DOLLAR (as of QUARTERLY close – Sept 2022)



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.4669	1.4189	1.1842	1.2732
	1.4758		
	1.4974		
	1.5777		

## Quarterly Indicating Ranges

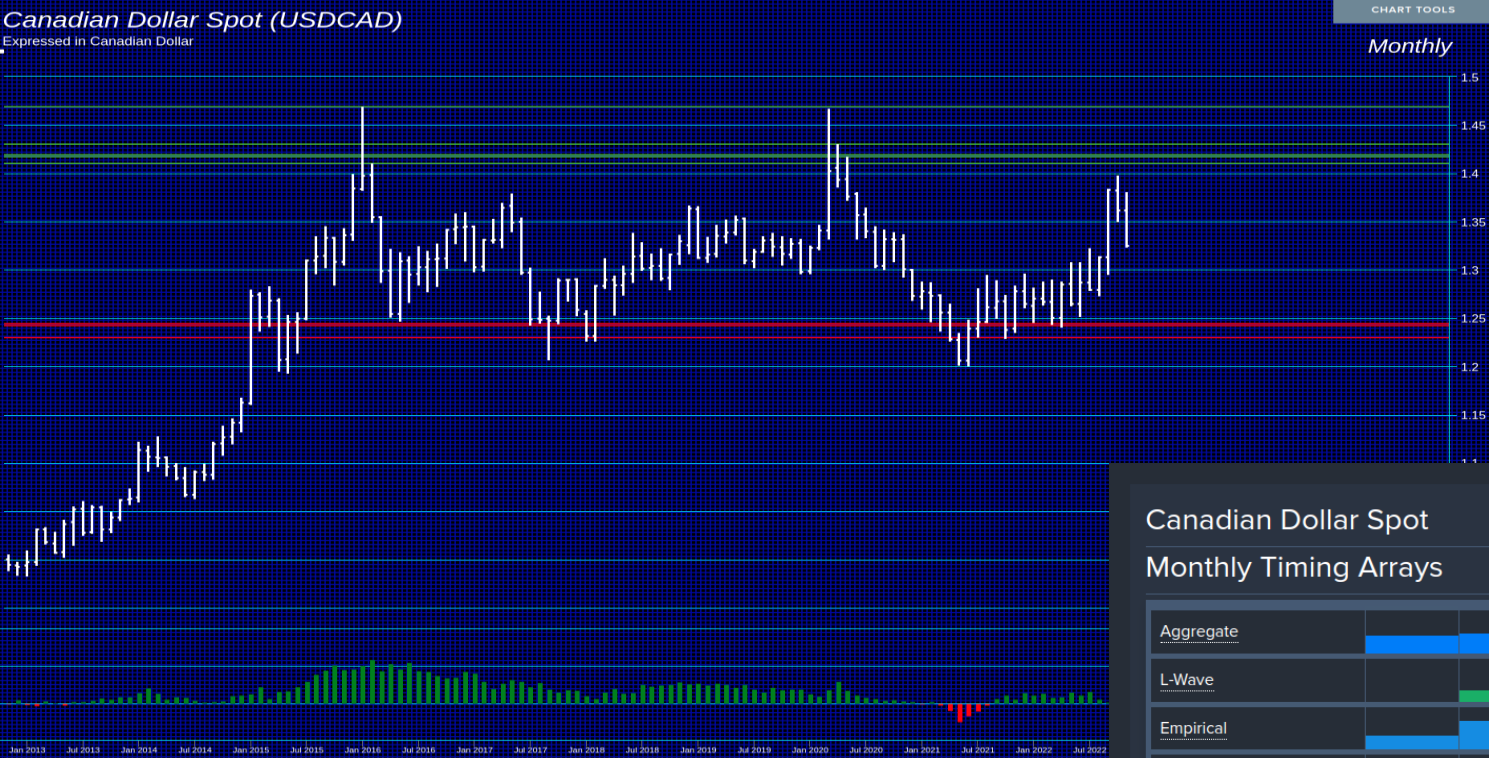
Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Neutral

## Canadian Dollar Spot

### Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

# CAN DOLLAR (as of MONTHLY close – Oct 2022)



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.4300	1.4099		1.2447
1.4687	1.4174		1.2426
	1.4189		1.2300

## Monthly Indicating Ranges

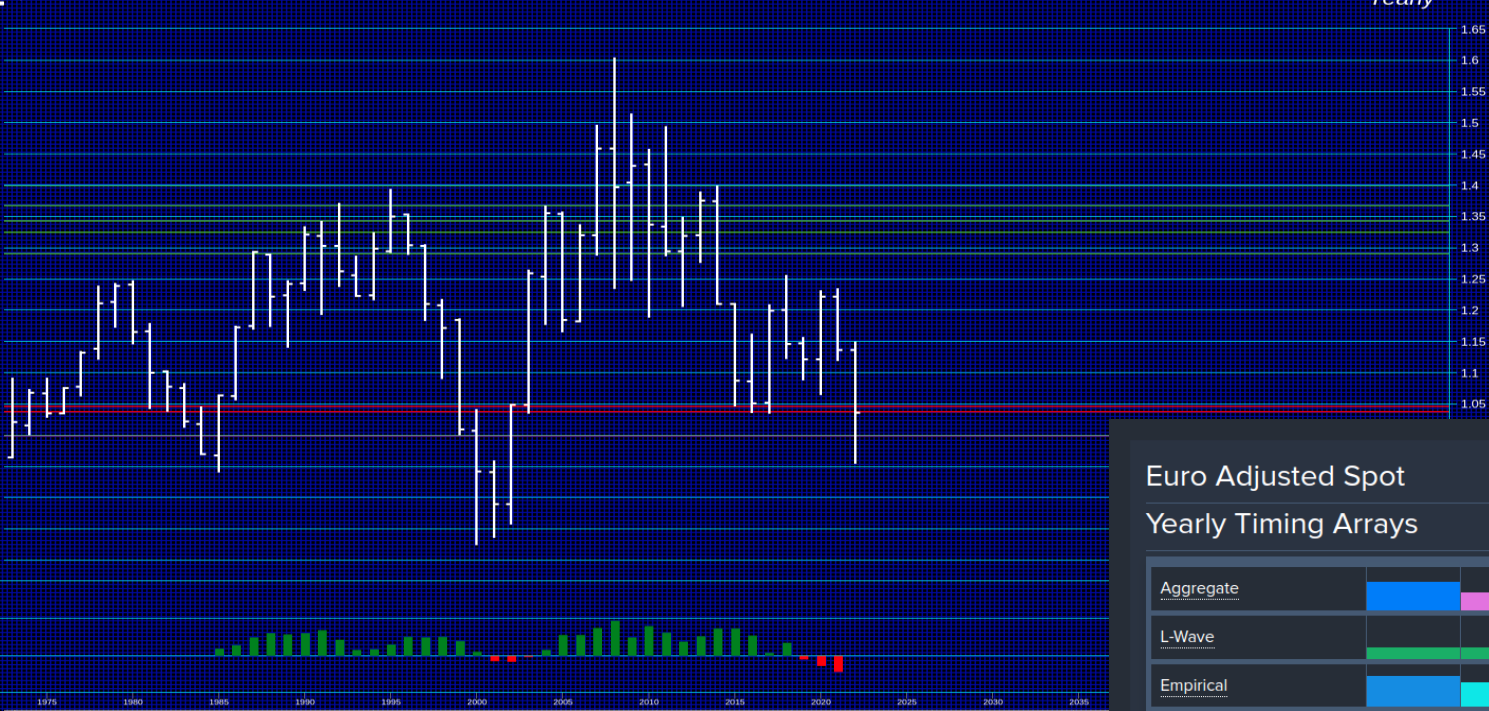
Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

## Canadian Dollar Spot Monthly Timing Arrays

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

# EURO (as of YEARLY close – 2021)

Euro Adjusted Spot (EURUSD)  
Expressed in US Dollar



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.3246	1.2900	1.0366	1.0455
1.3427			0.9985
1.3667			
1.3993			

## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Bearish	Bearish

## Euro Adjusted Spot Yearly Timing Arrays

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



# EURO (as of QUARTERLY close – Sept 2022)

Euro Adjusted Spot (EURUSD)  
Expressed in US Dollar



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.3692	1.3893	0.8550	0.9600
	1.3993	0.8224	0.8343
	1.4248		
	1.4338		

## Quarterly Indicating Ranges

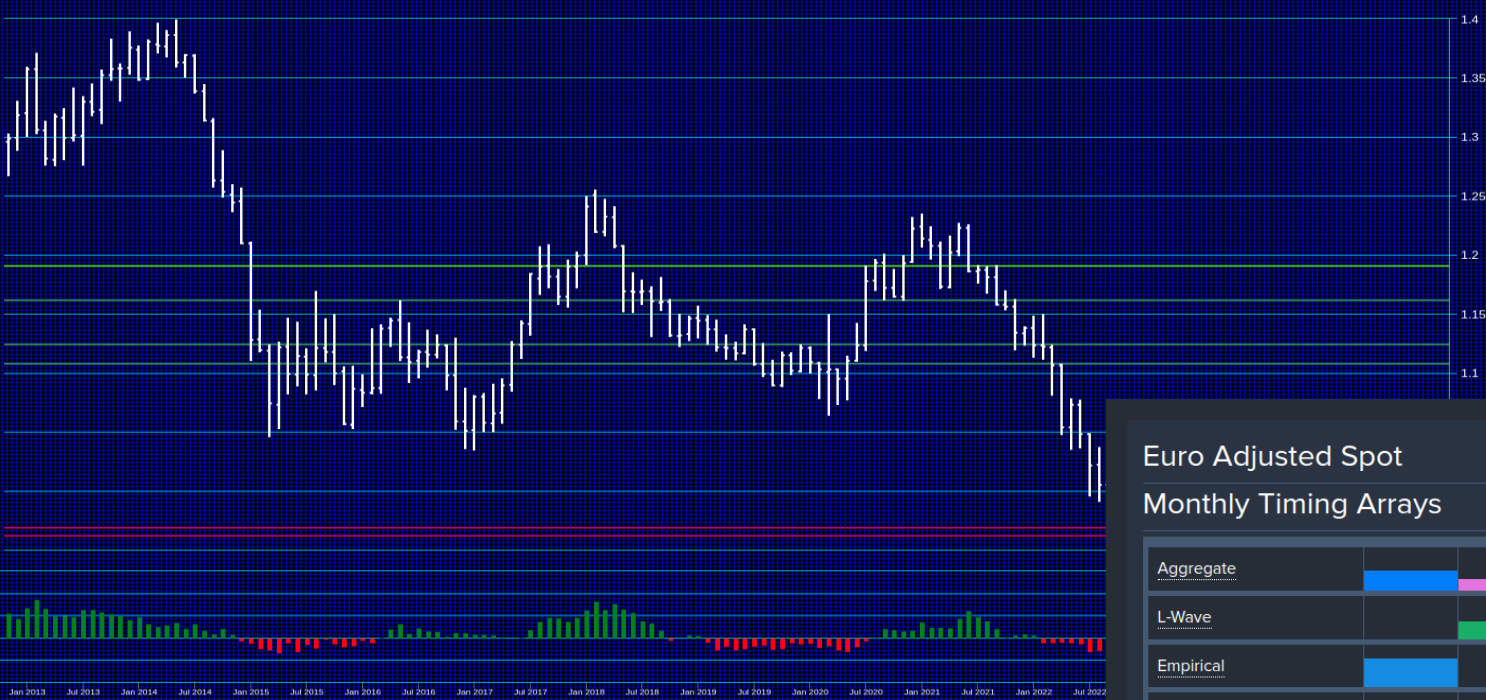
Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

## Euro Adjusted Spot Quarterly Timing Arrays

	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

# EURO (as of MONTHLY close – Oct 2022)

Euro Adjusted Spot (EURUSD)  
Expressed in US Dollar



Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

## Monthly Reversals

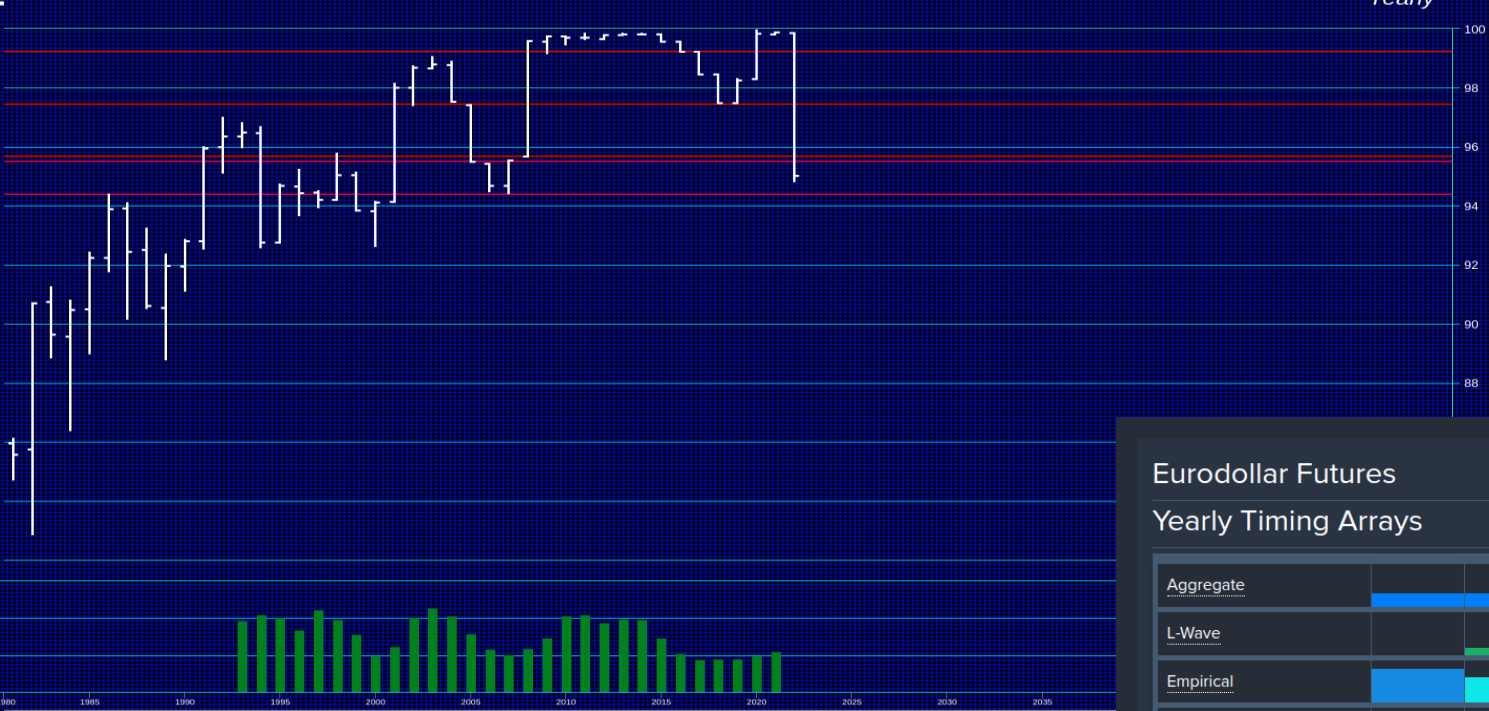
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.1077	1.1240	0.9684	0.9618
1.1900	1.1617	0.8736	0.8842
	1.1909		0.8747

## Euro Adjusted Spot 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

# EURODOLLAR (as of YEARLY close – 2021)

Eurodollar Futures (ED)  
Expressed in US Dollar



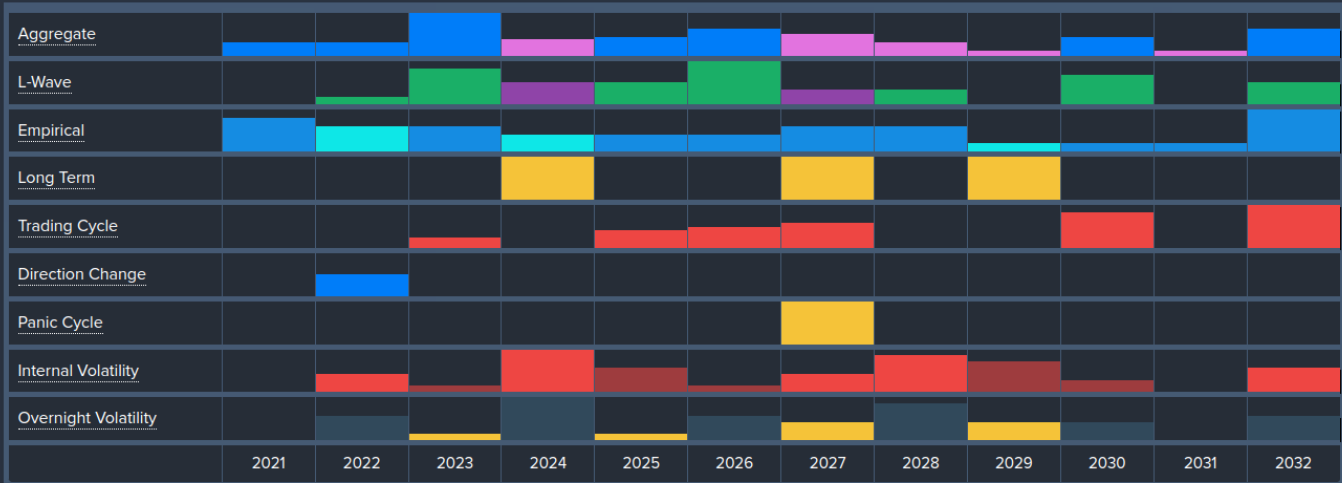
## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		99.22	95.69
		97.45	95.50
		94.39	

## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

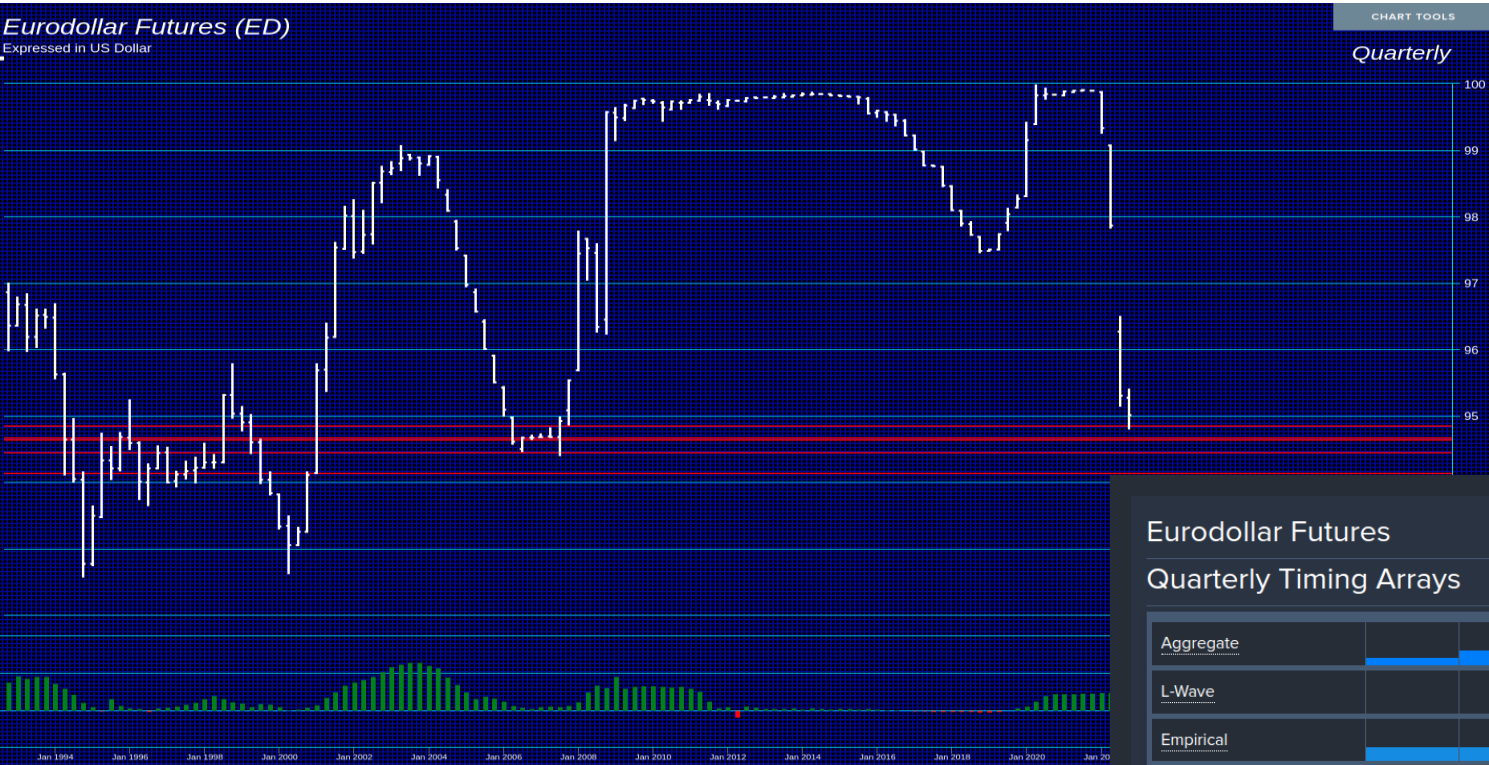
## Eurodollar Futures Yearly Timing Arrays





# EURODOLLAR (as of QUARTERLY close – Sept 2022)

Eurodollar Futures (ED)  
Expressed in US Dollar



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
			94.84
			94.66
			94.63
			94.44
			94.13

## Eurodollar Futures Quarterly Timing Arrays

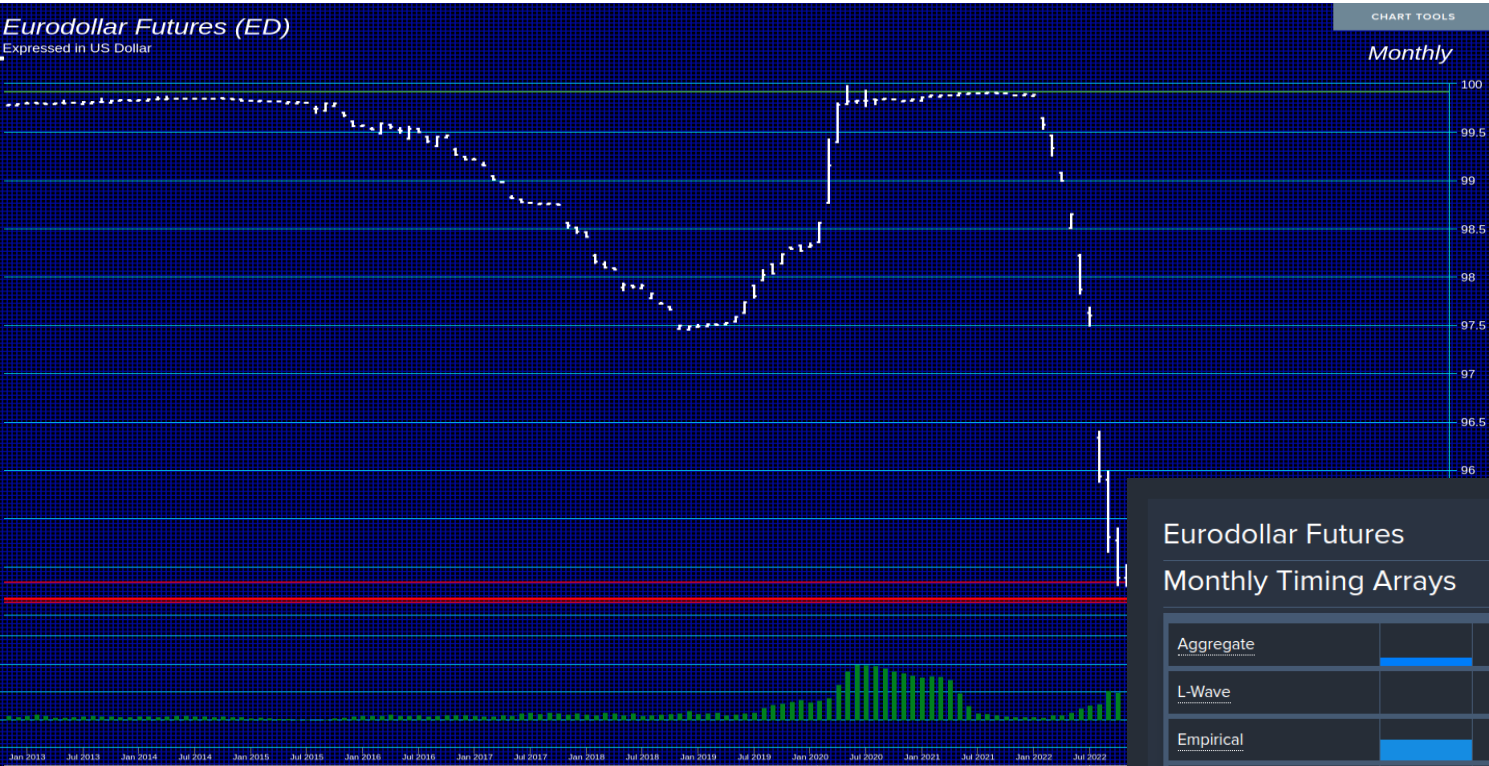
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

# EURODOLLAR (as of MONTHLY close – Oct 2022)

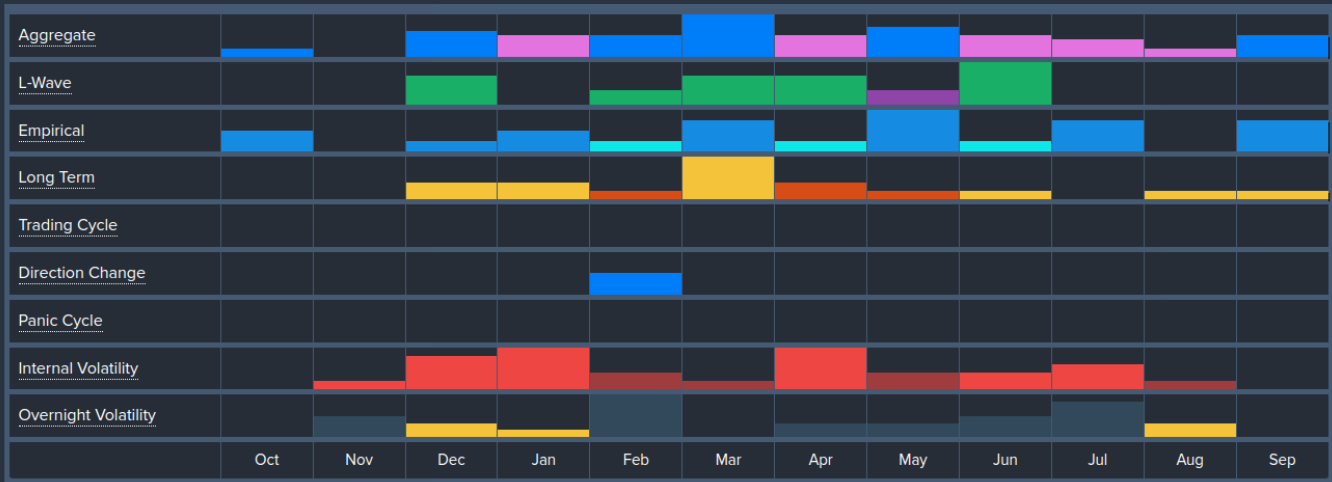
Eurodollar Futures (ED)  
Expressed in US Dollar



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	Dbl		
	99.92		94.84
			Dbl
			94.67
			94.66
			94.63
			94.63

## Eurodollar Futures Monthly Timing Arrays



## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

# POUND STERLING (as of YEARLY close – 2021)

British Pound Spot (GBPUSD)  
Expressed in US Dollar



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.5019	1.6579		
1.6446	1.6590		
	1.6740		

## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Bearish	Bearish

## British Pound Spot Yearly Timing Arrays

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



# POUND STERLING (as of QUARTERLY close – Sept 2022)

British Pound Spot (GBPUSD)  
Expressed in US Dollar



Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	1.4816		
	1.5517		
	1.5588		
	1.5808		
	1.6159		

British Pound Spot  
Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

# POUND STERLING (as of MONTHLY close – Oct 2022)

British Pound Spot (GBPUSD)  
Expressed in US Dollar



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.2616	1.3959		
1.3169	1.4019		
1.3180			

## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

## British Pound Spot 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

# YEN (as of YEARLY close – 2021)

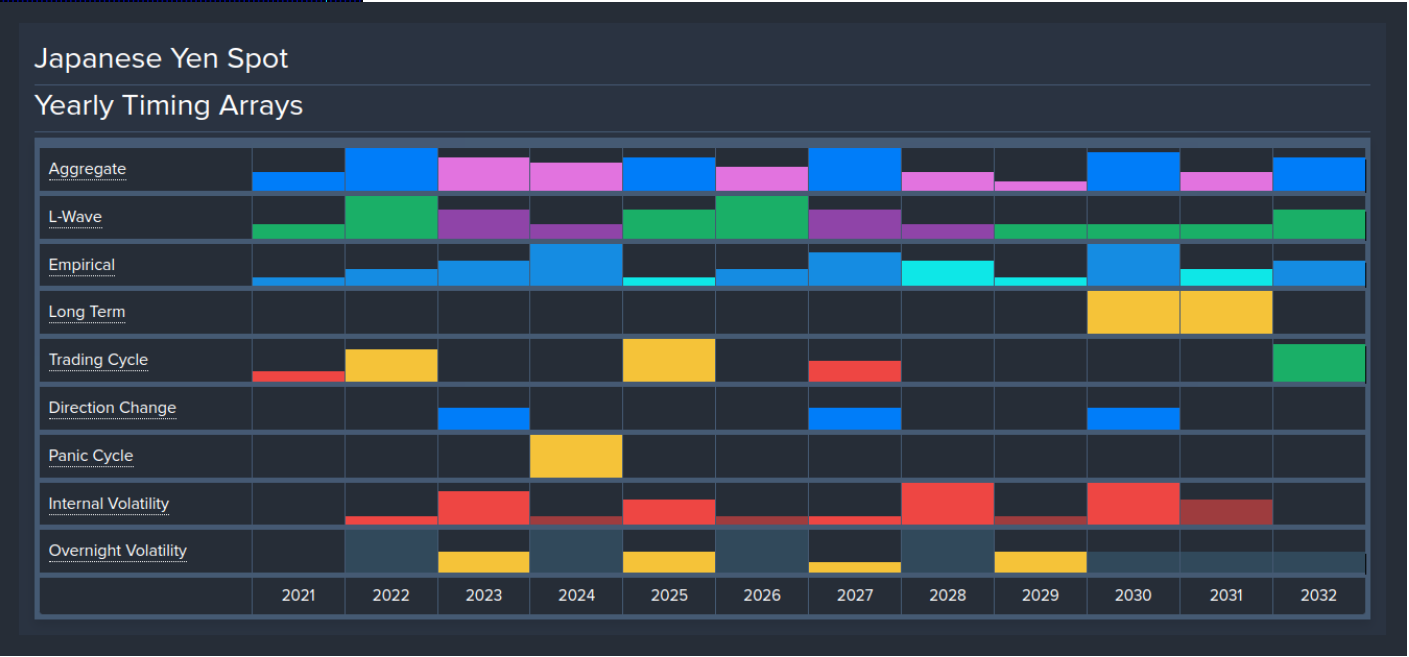


### Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
118.583000	124.821000	80.259000	
121.804000			
121.851000			
125.001000			

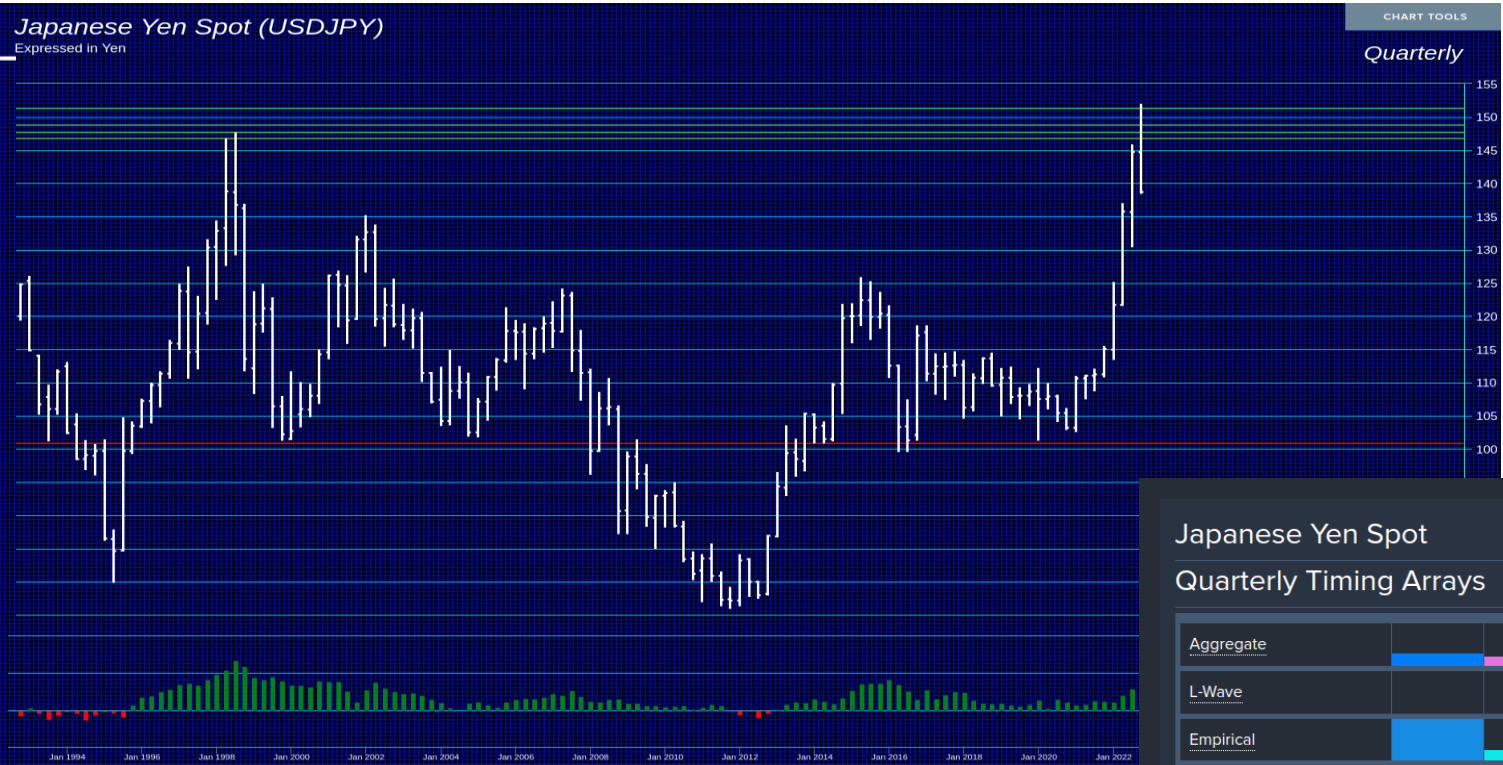
### Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Bullish	Bullish





# YEN (as of QUARTERLY close – Sept 2022)



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
147.651000	146.781000	100.805000	
	148.751000		
	151.271000		
	158.751000		

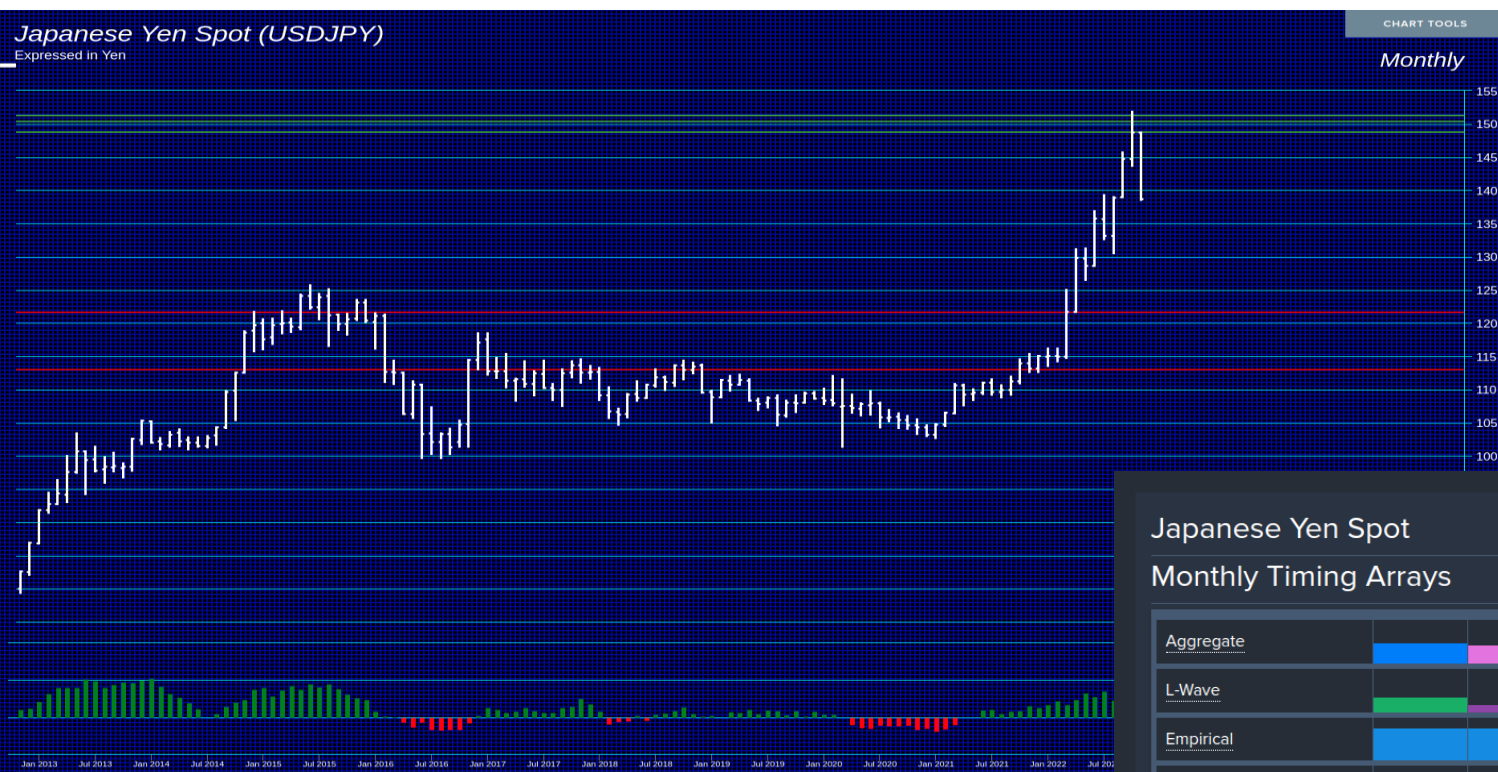
## Japanese Yen Spot Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

# YEN (as of MONTHLY close – Oct 2022)

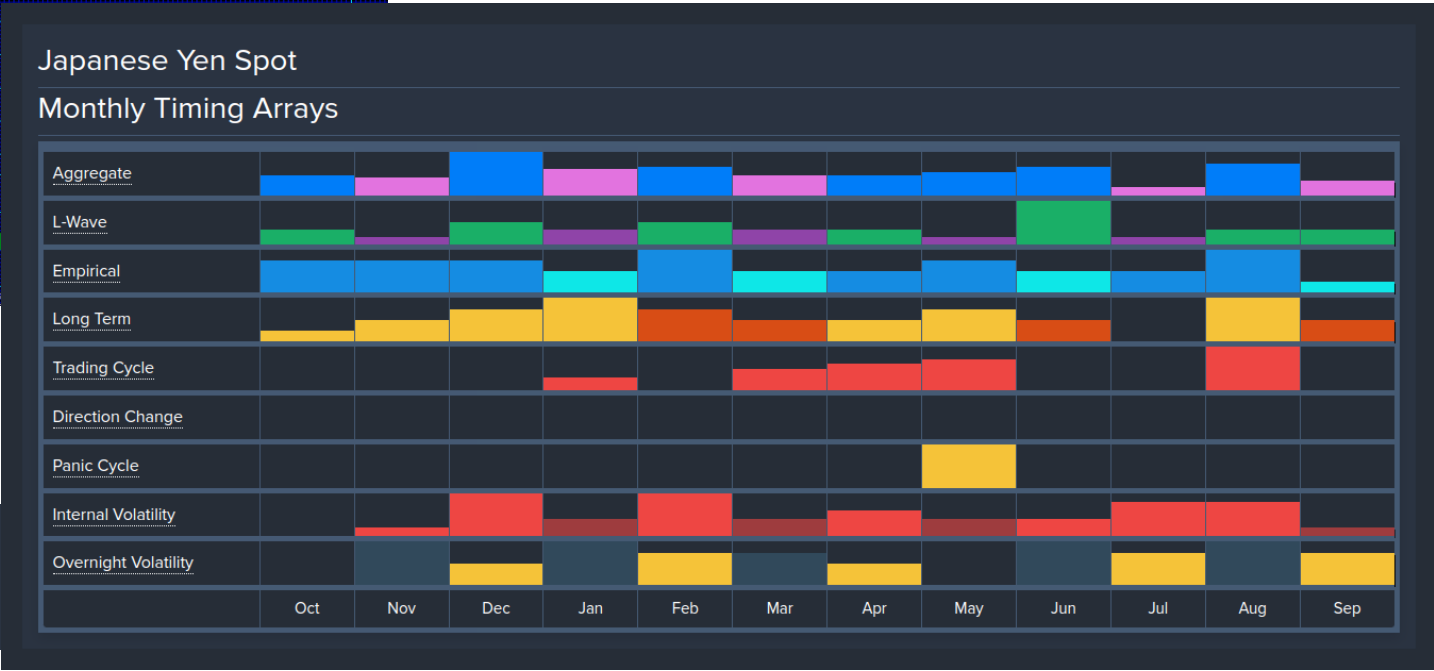


### Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
148.751000	150.351000		121.639000
151.271000			113.001000
158.851000			

### Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish



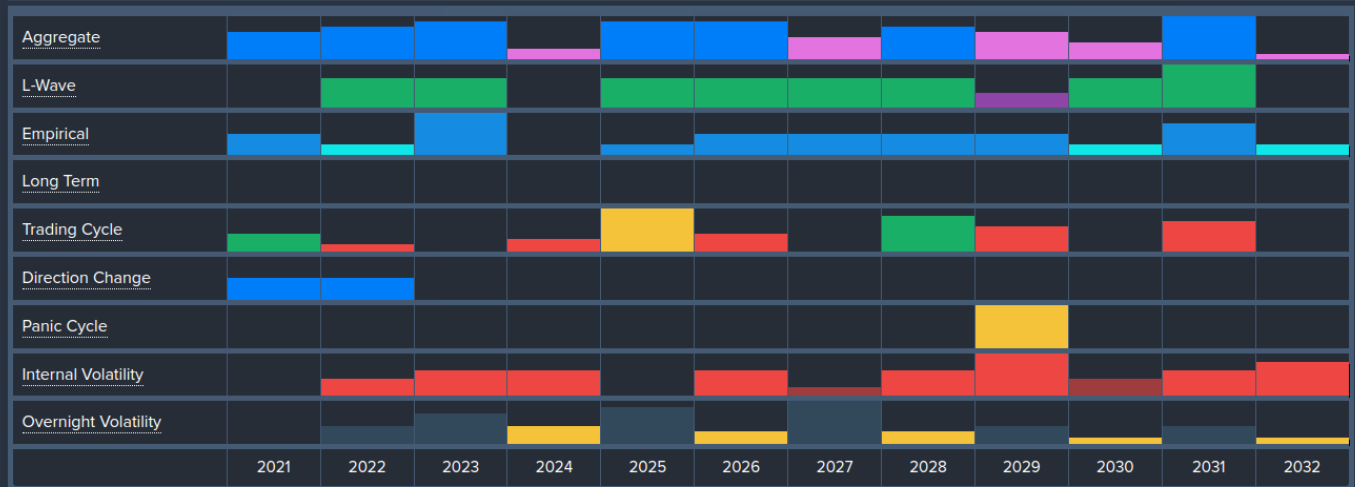
# CNY (as of YEARLY close – 2021)



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
7.2935	8.2768	6.0401	6.2930
8.2776		5.7075	6.0507
		5.2350	

## Chinese Yuan Spot Yearly Timing Arrays



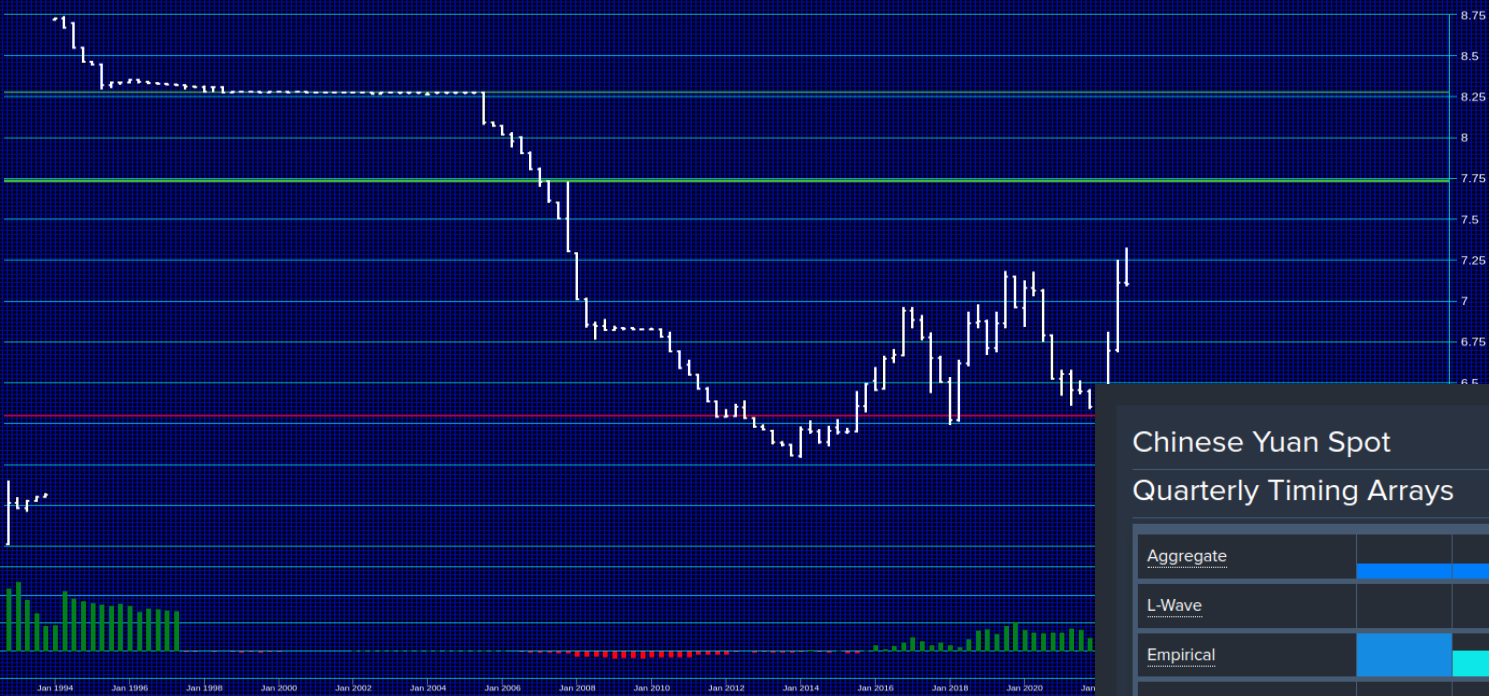
## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Bearish	Bearish	Bearish



# CNY (as of QUARTERLY close – Sept 2022)

Chinese Yuan Spot (USDCNY)  
Expressed in Chinese Yuan



Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	7.7307		6.2970
	7.7360		
	8.2768		
	8.2775		
	8.2776		

## Chinese Yuan Spot Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

# CNY (as of MONTHLY close – Oct 2022)

Chinese Yuan Spot (USDCNY)  
Expressed in Chinese Yuan



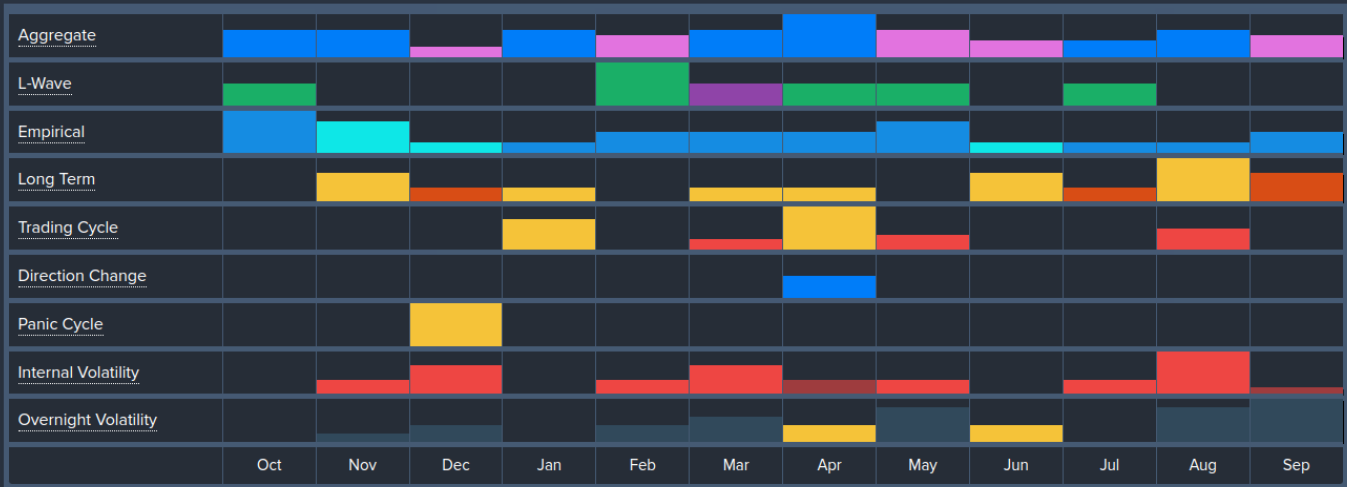
## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
7.6633	7.4096		6.2600
	7.4559		
	7.6048		
	7.7040		

## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

## Chinese Yuan Spot Monthly Timing Arrays



# AUS DOLLAR (as of YEARLY close – 2021)

Australian Dollar Spot (USDAUD)  
Expressed in Australian Dollar



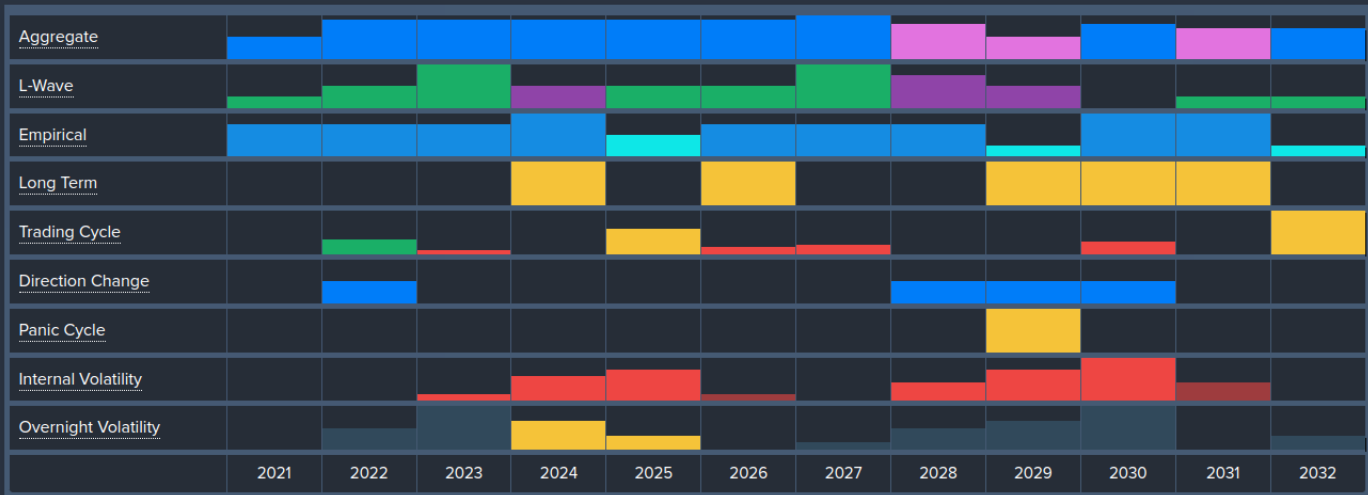
Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Neutral	Neutral

## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.4252		1.2811	1.1974
1.4437		1.2392	
		1.0674	
		1.0545	

## Australian Dollar Spot Yearly Timing Arrays





# AUS DOLLAR (as of QUARTERLY close – Sept 2022)



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	1.6470	1.2958	1.0698
	1.6875	1.2154	1.0567
	1.7375	1.1320	
	1.8199		
	1.8508		

## Australian Dollar Spot Quarterly Timing Arrays

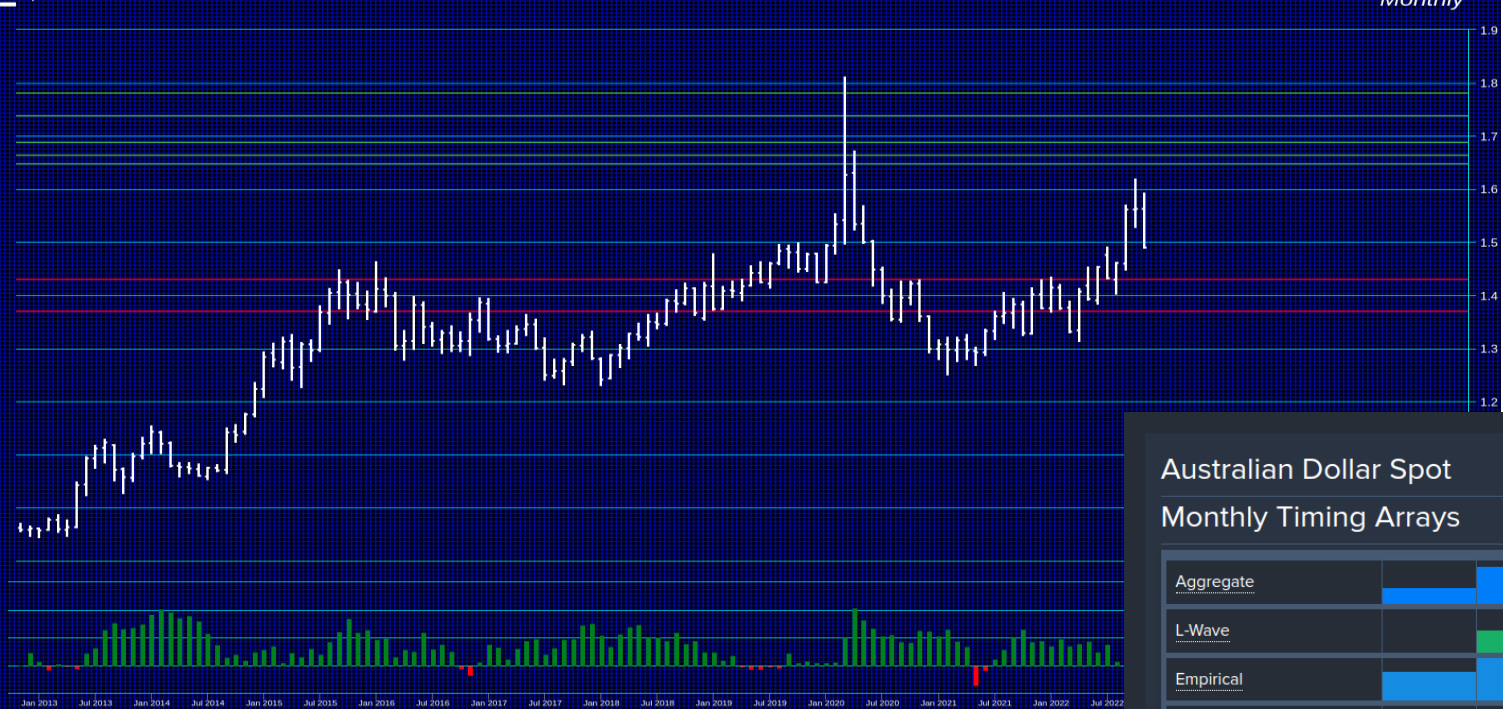
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

# AUS DOLLAR (as of MONTHLY close – Oct 2022)

Australian Dollar Spot (USDAUD)  
Expressed in Australian Dollar



Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

## Monthly Reversals

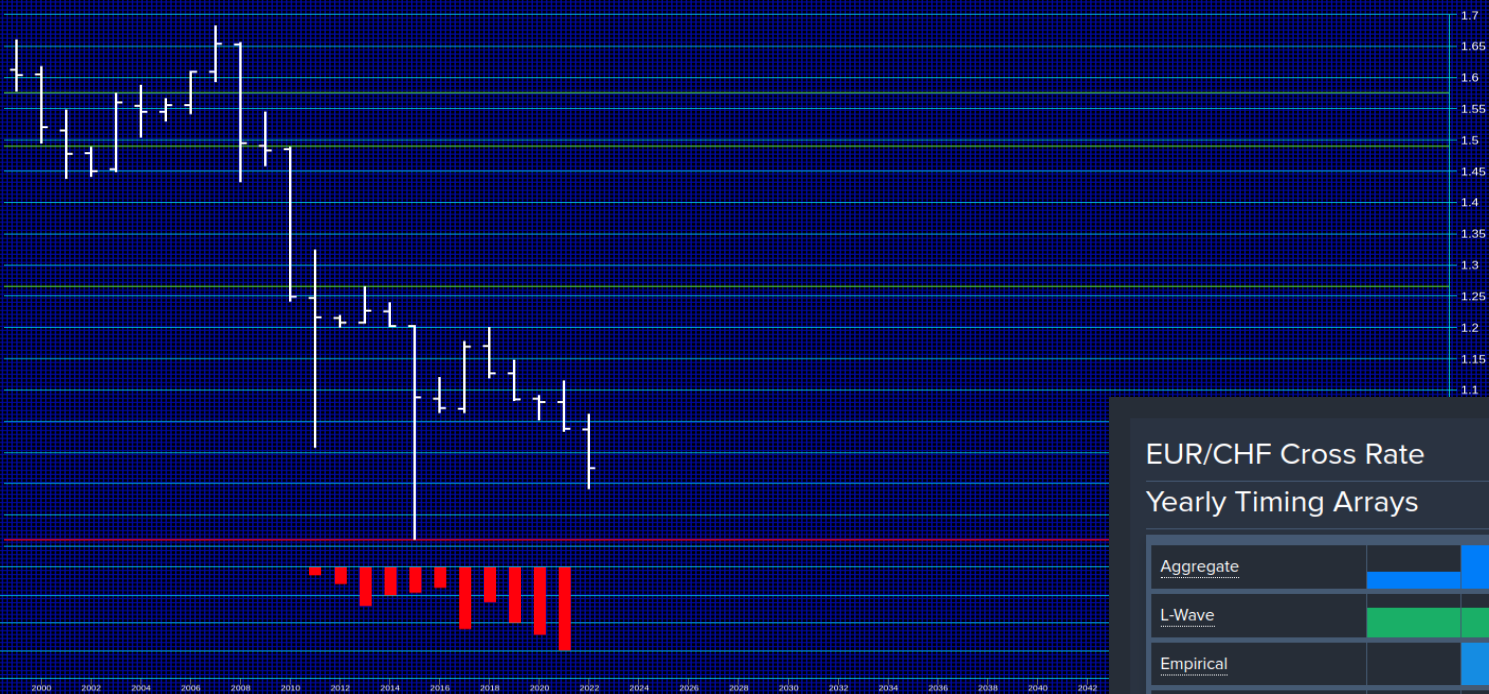
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.6470	1.6634		1.4304
1.7807	1.6875		1.3697
	1.7375		

## Australian Dollar Spot 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

# EUR/CHF (as of YEARLY close – 2021)

EUR/CHF Cross Rate (EURCHF)  
Expressed in Swiss Franc



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.2650			0.8600
1.4892			
1.5752			

## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Neutral

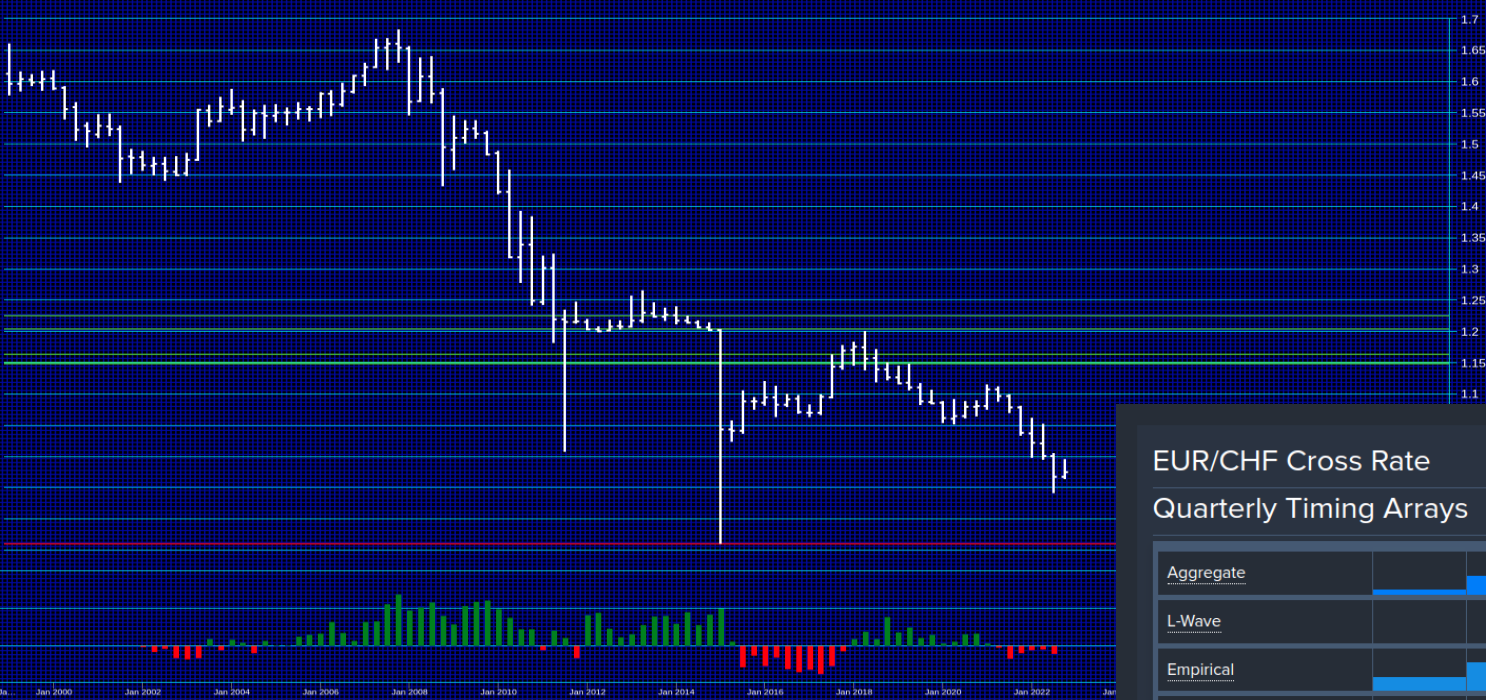
## EUR/CHF Cross Rate Yearly Timing Arrays

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



# EUR/CHF (as of QUARTERLY close – Sept 2022)

EUR/CHF Cross Rate (EURCHF)  
Expressed in Swiss Franc



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.2249	1.1478	0.8600	
	1.1501		
	1.1623		
	1.2034		

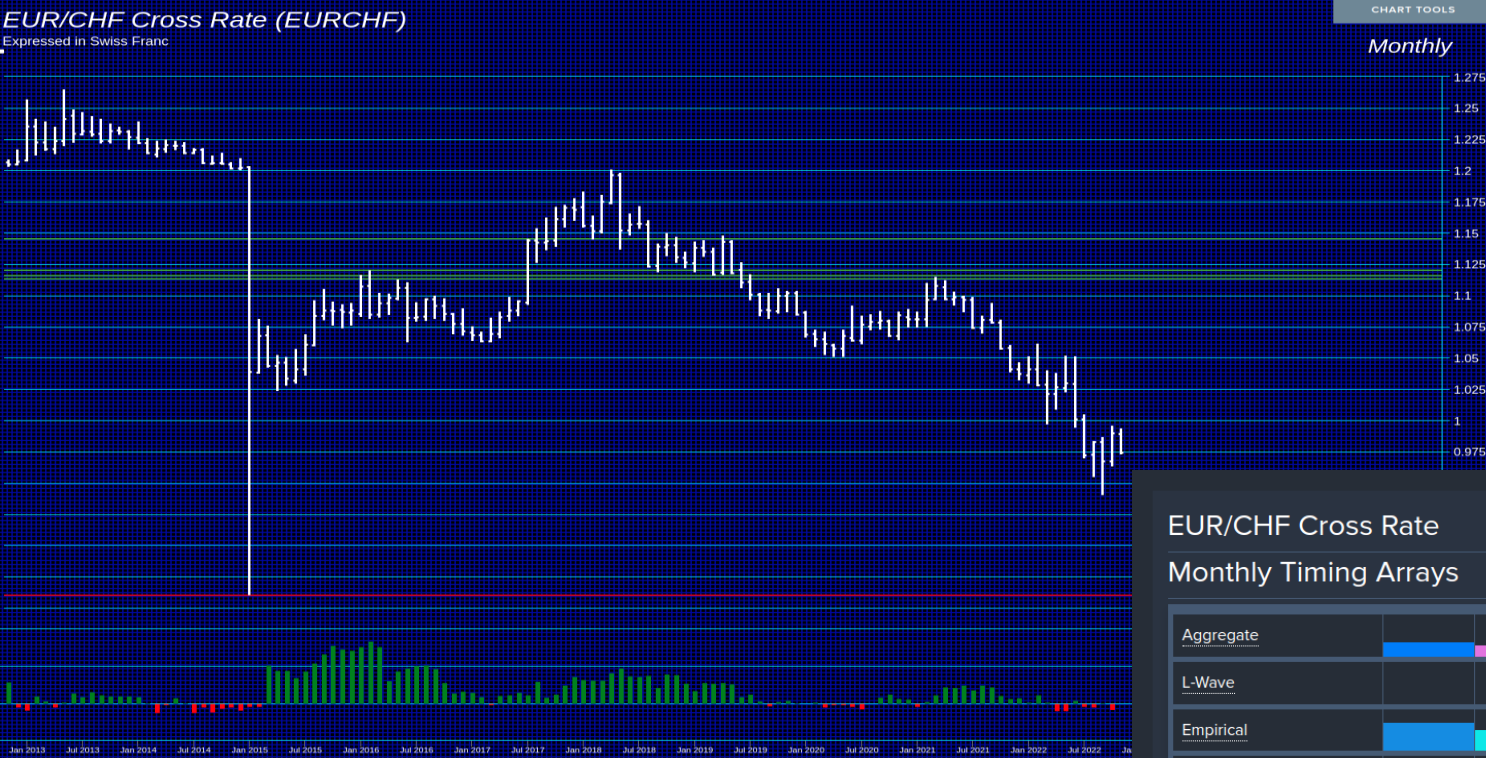
## EUR/CHF Cross Rate Quarterly Timing Arrays

	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

# EUR/CHF (as of MONTHLY close – Oct 2022)

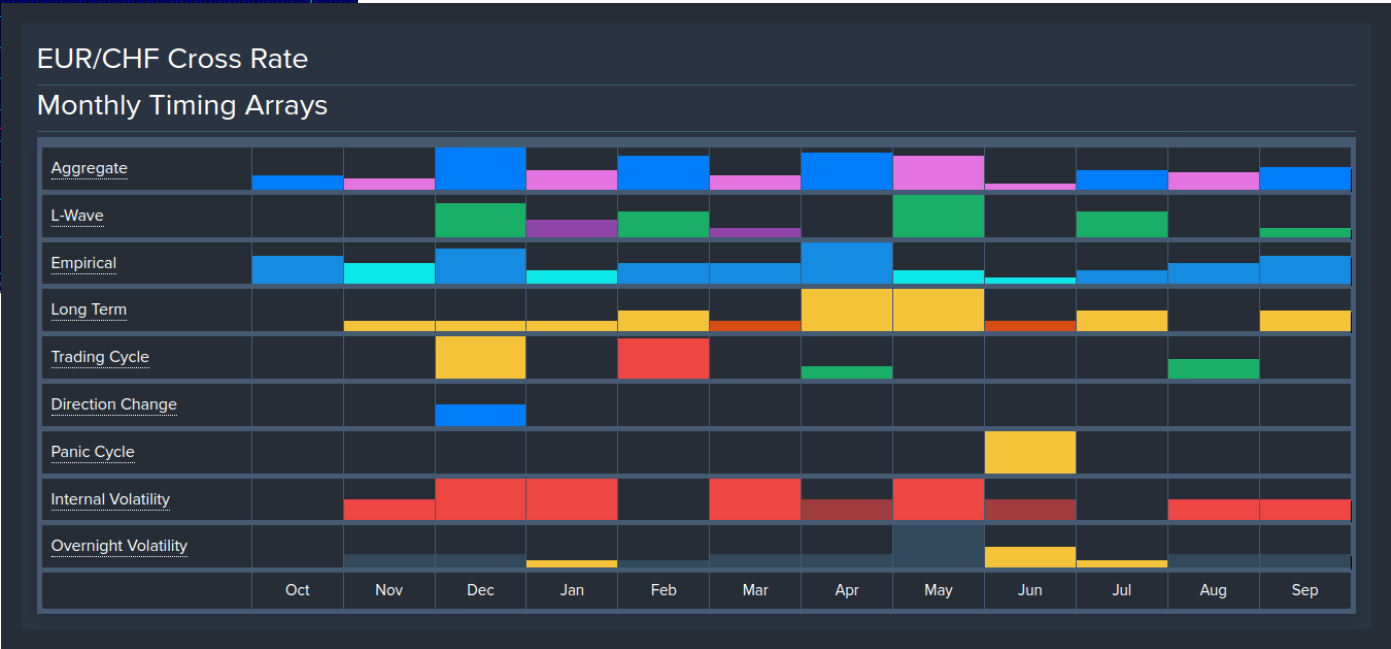


Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.1200	1.1130	0.8600	
	1.1160		
	1.1450		
	1.1455		

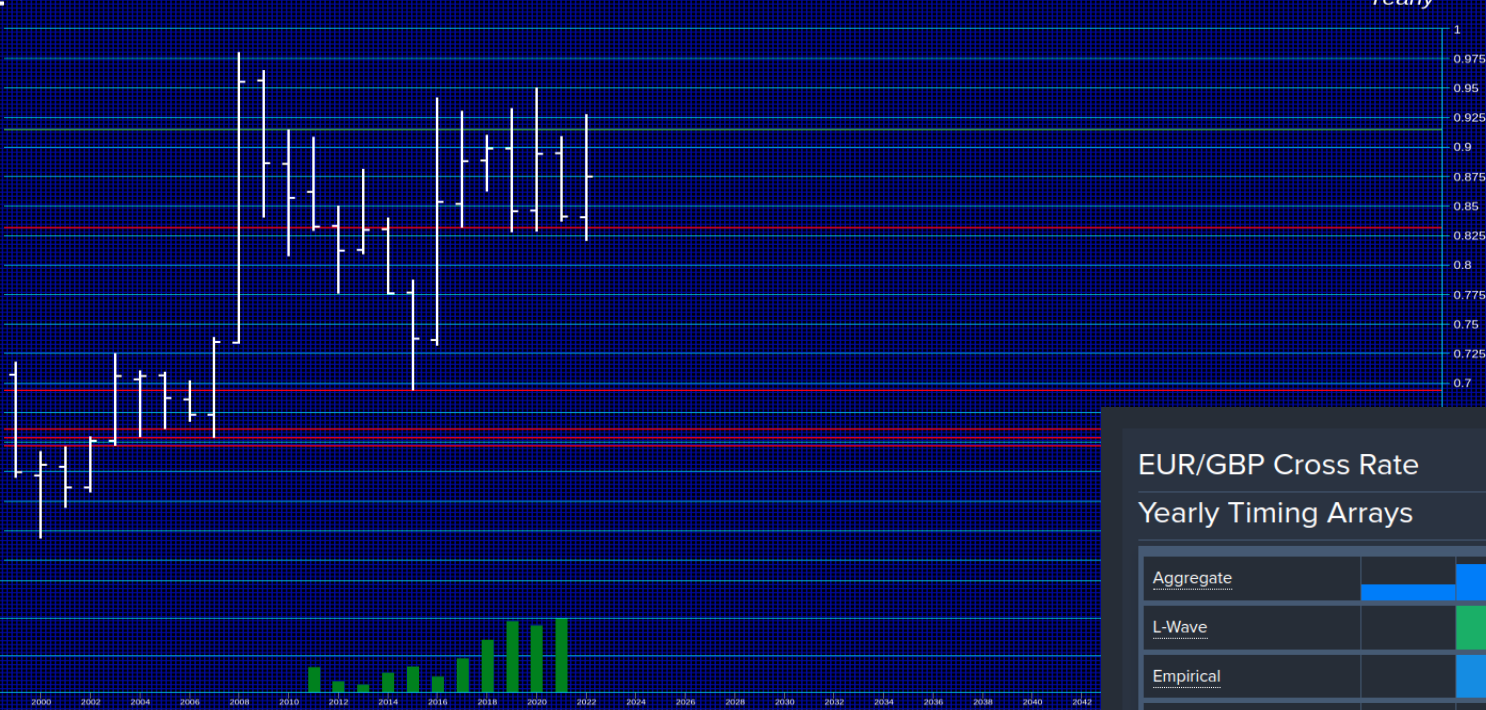
Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Bearish	Bearish	Bearish



# EUR/GBP (as of YEARLY close – 2021)

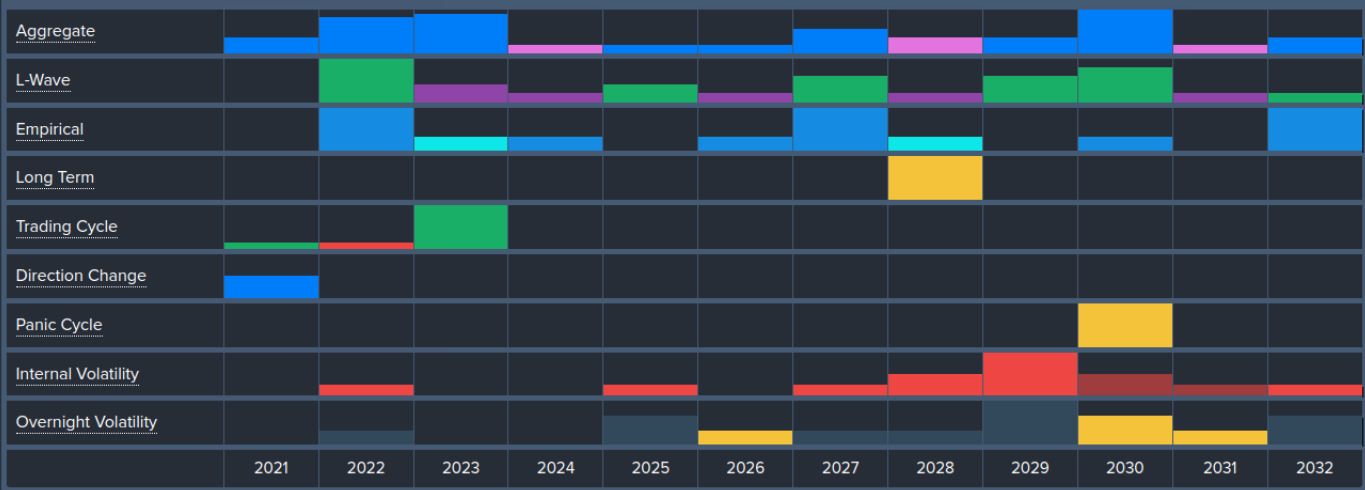
EUR/GBP Cross Rate (EURGBP)  
Expressed in British Pound



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
0.9149		0.8313	
		0.6936	
		0.6606	
		0.6535	
		0.6468	

## EUR/GBP Cross Rate Yearly Timing Arrays



## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Neutral	Neutral	Neutral



# EUR/GBP (as of QUARTERLY close – Sept 2022)

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



Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Neutral	Bullish

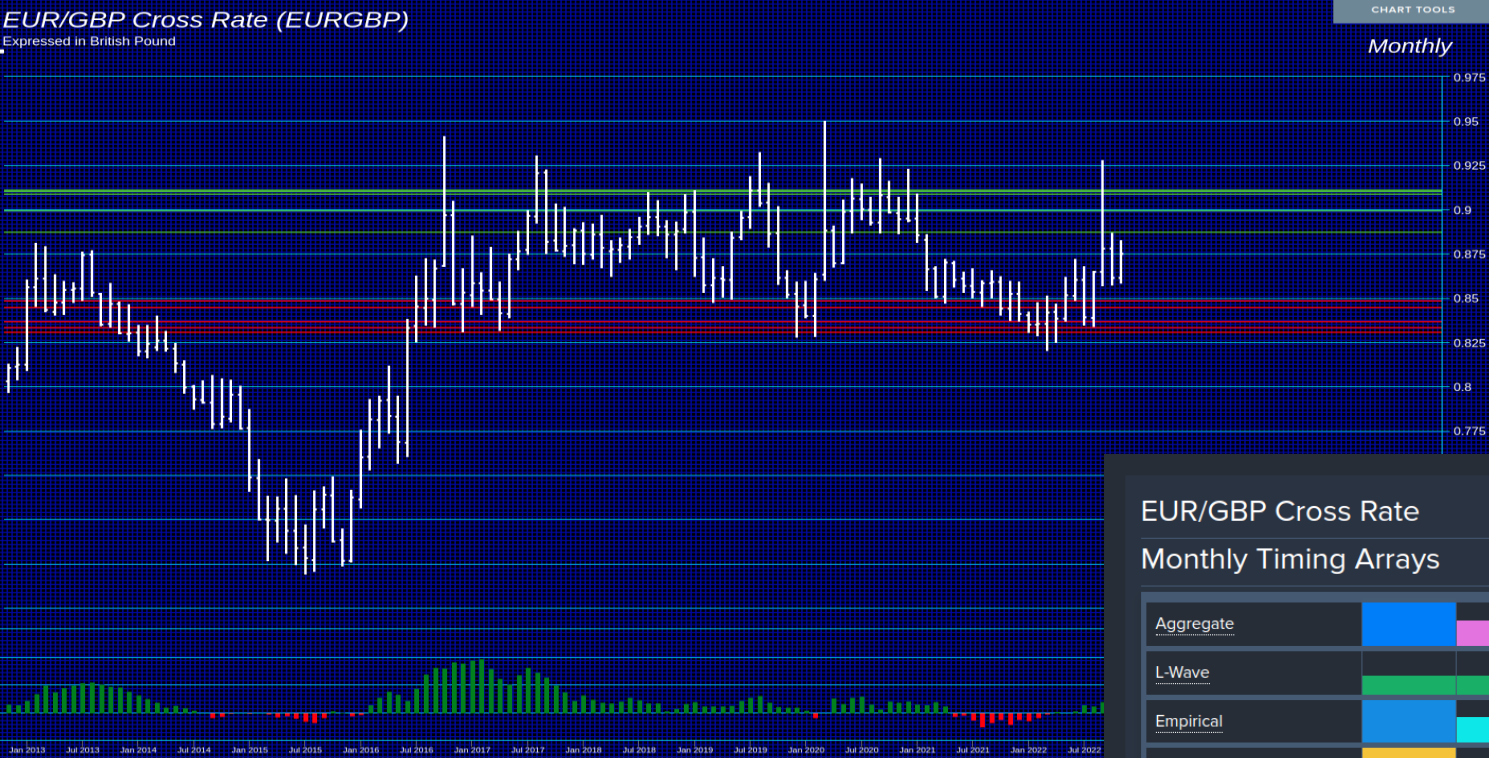
## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
0.9257	0.9100	0.8305	0.8341
	0.9109	0.8252	0.8313
	0.9149		0.8070
	0.9255		

## EUR/GBP Cross Rate Quarterly Timing Arrays

Aggregate													
L-Wave													
Empirical													
Long Term													
Trading Cycle													
Direction Change													
Panic Cycle													
Internal Volatility													
Overnight Volatility													
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025	

# EUR/GBP (as of MONTHLY close – Oct 2022)



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
0.9088	0.8870	0.8483	0.8365
0.9100	0.8993	0.8447	0.8334
	0.9109		0.8305

## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Neutral	Bearish

## EUR/GBP Cross Rate Monthly Timing Arrays

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

# EUR/JPY (as of YEARLY close – 2021)

EUR/JPY Cross Rate (EURJPY)  
Expressed in Yen



Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Neutral	Neutral

## Yearly Reversals

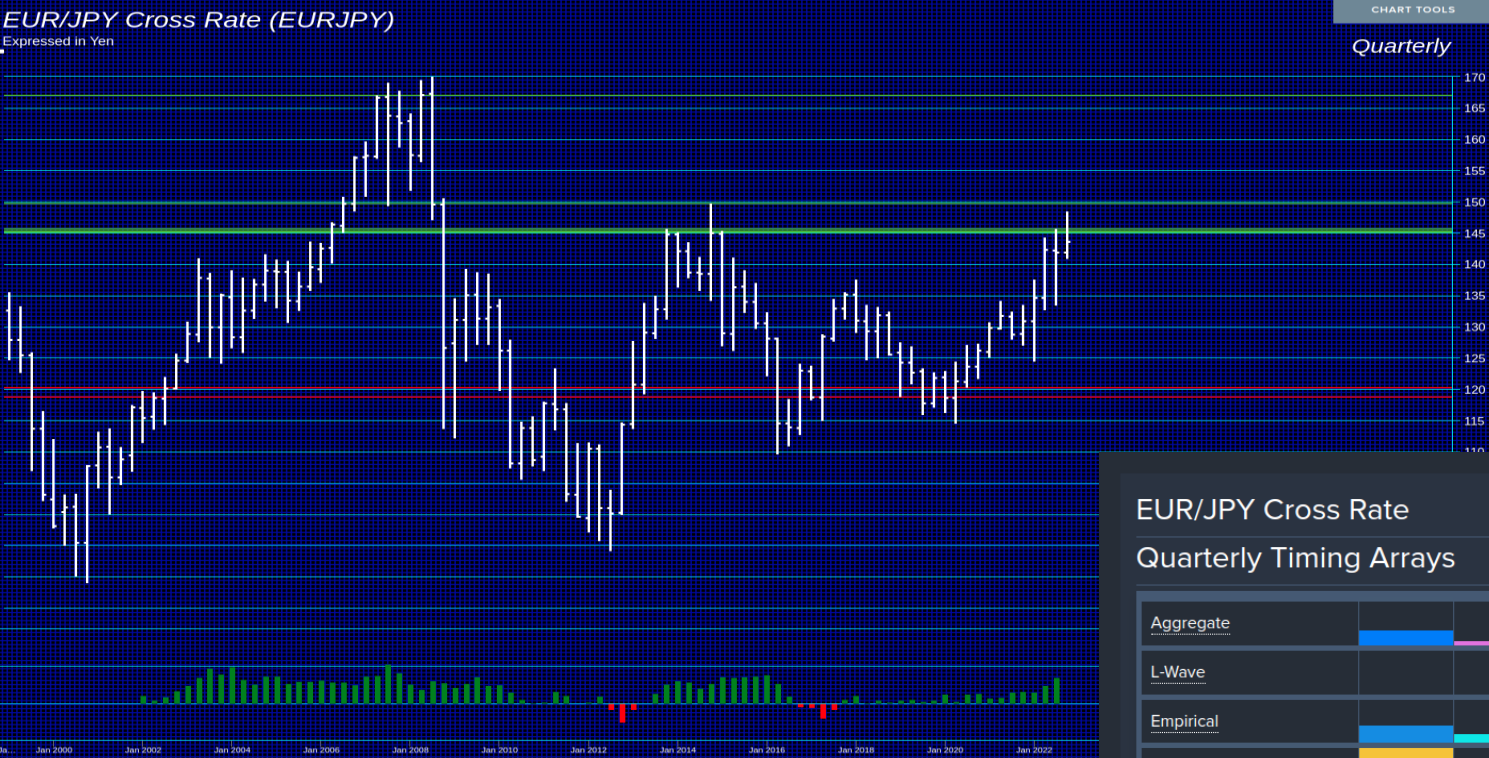
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	135.5210		112.0990
	140.9210		99.9290
	145.6710		
	149.7210		
	157.2410		

## EUR/JPY Cross Rate Yearly Timing Arrays

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



# EUR/JPY (as of QUARTERLY close – Sept 2022)



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
145.3210	145.0910		120.2590
145.6710	149.7210		118.7090
	166.9710		

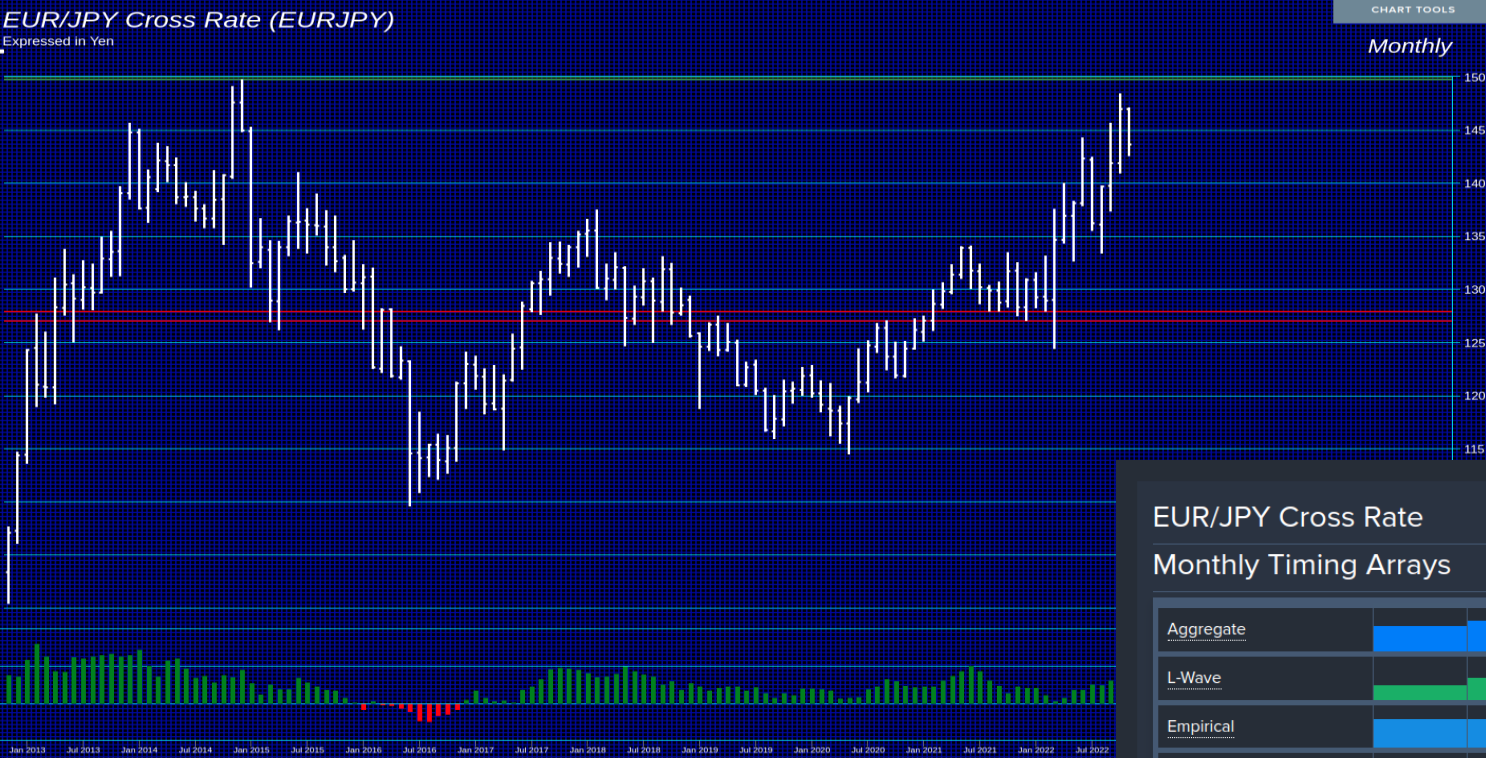
## EUR/JPY Cross Rate Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

# EUR/JPY (as of MONTHLY close – Oct 2022)



Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	149.7210		127.8790
	150.0010		127.0010
	150.6110		
	153.4910		
	166.6810		

Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

EUR/JPY Cross Rate  
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

# USD/RUBLE (as of YEARLY close – 2021)

Russian Rubles Spot (USDRUB)  
Expressed in Rubles



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	79.9140	29.2010	55.5562
		28.8400	48.1360
			27.1980

## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Bullish	Neutral

## Russian Rubles Spot Yearly Timing Arrays

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



# USD/RUBLE (as of QUARTERLY close – Sept 2022)

Russian Rubles Spot (USDRUB)  
Expressed in Rubles



Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

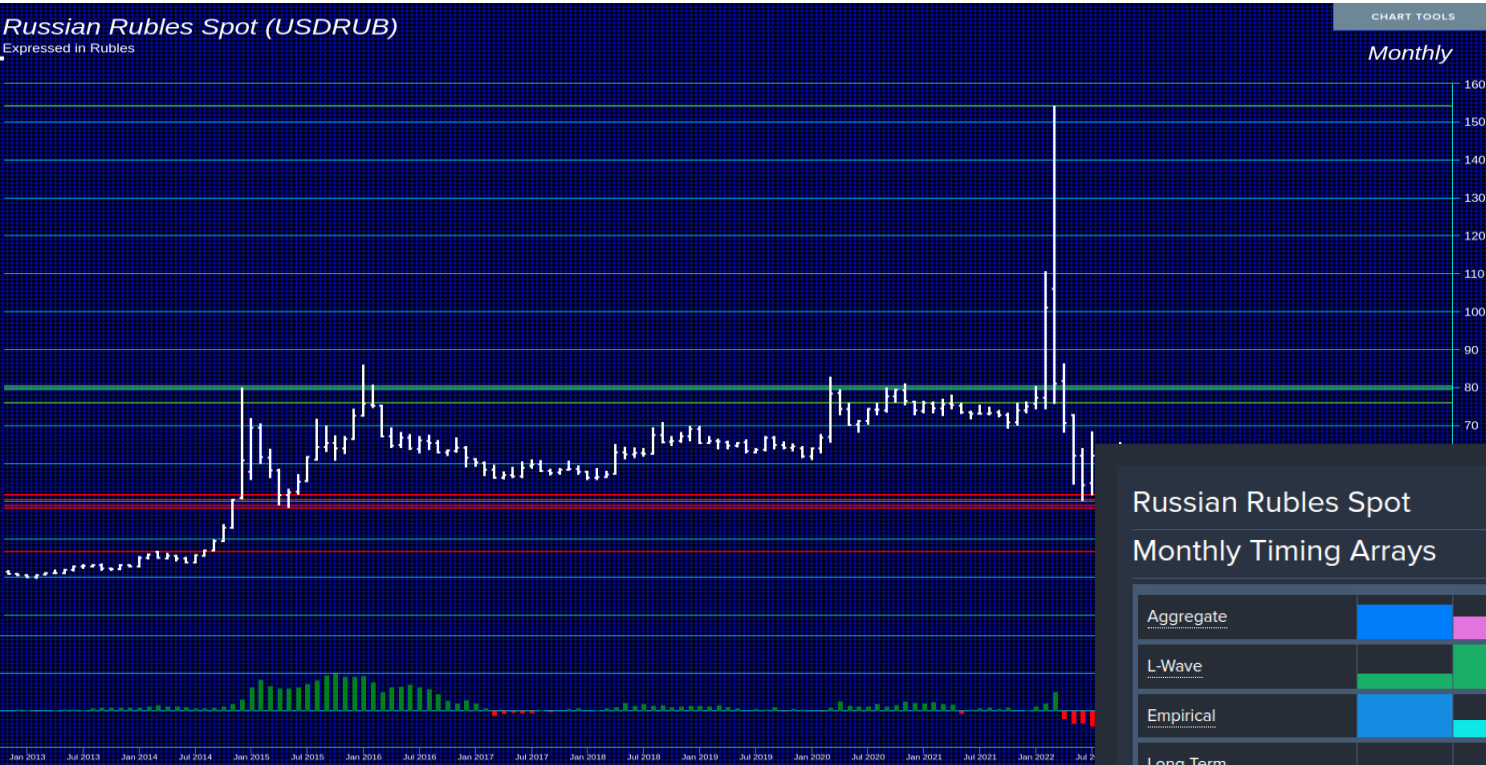
Quarterly Reversals			
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
69.8033	85.9580	48.1360	32.8300
74.3539		33.7800	
75.3492		30.2310	
77.5400		29.9020	

Russian Rubles Spot  
Quarterly Timing Arrays

	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

# USD/RUBLE (as of MONTHLY close – Oct 2022)

Russian Rubles Spot (USDRUB)  
Expressed in Rubles



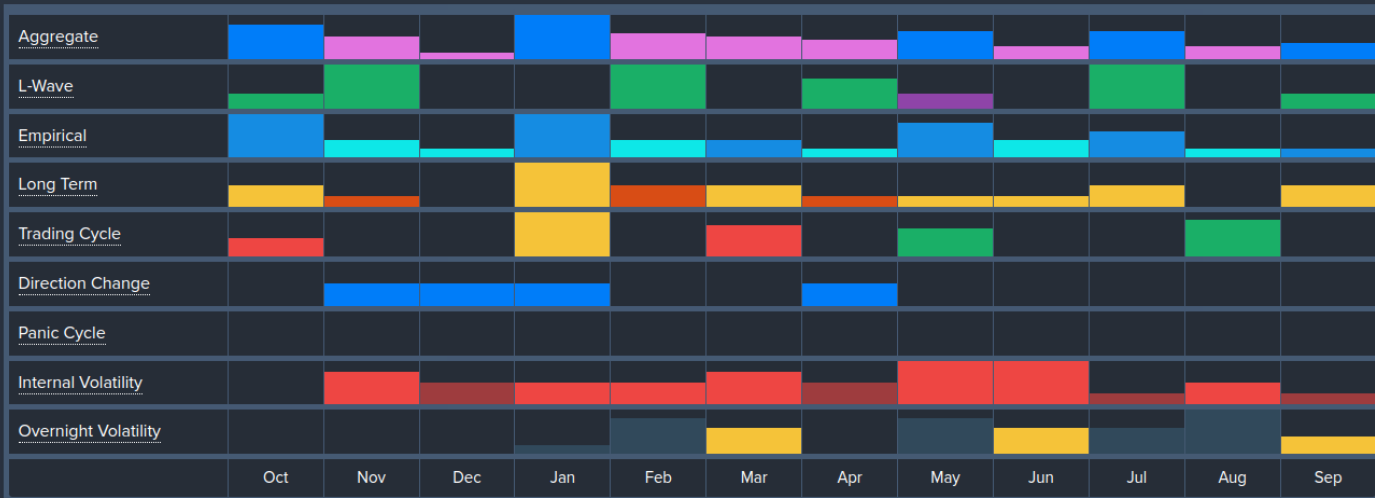
Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Bearish	Bearish

## Monthly Reversals

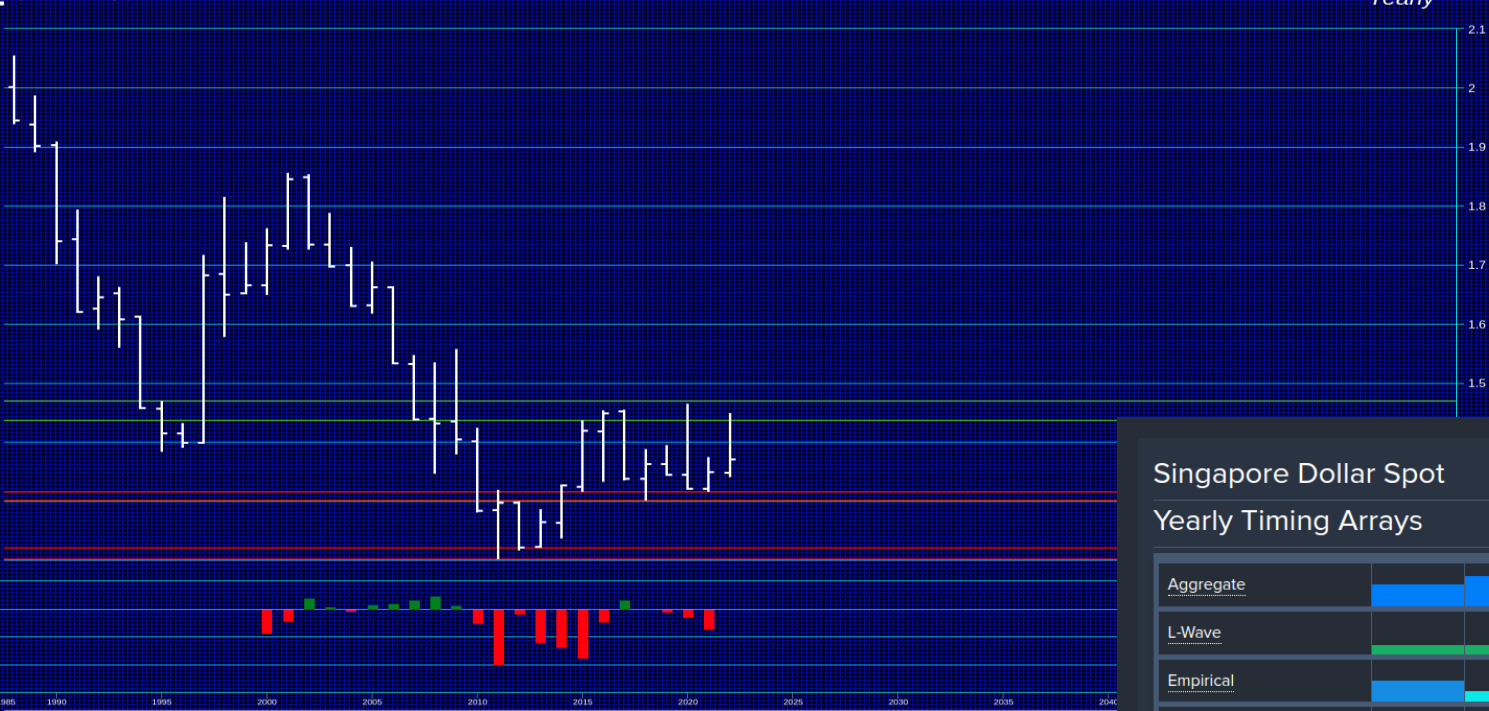
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
75.8470		50.4000	51.6180
79.3750		36.6680	48.8410
80.4072			48.1360
154.2600			

## Russian Rubles Spot Monthly Timing Arrays



# SINGAPORE DOLLAR SPOT (as of YEARLY close – 2021)

Singapore Dollar Spot (USDSGD)  
Expressed in Singapore Dollar



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.4364	1.4696	1.3154	1.2205
		1.3011	1.2006

## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Neutral	Bearish

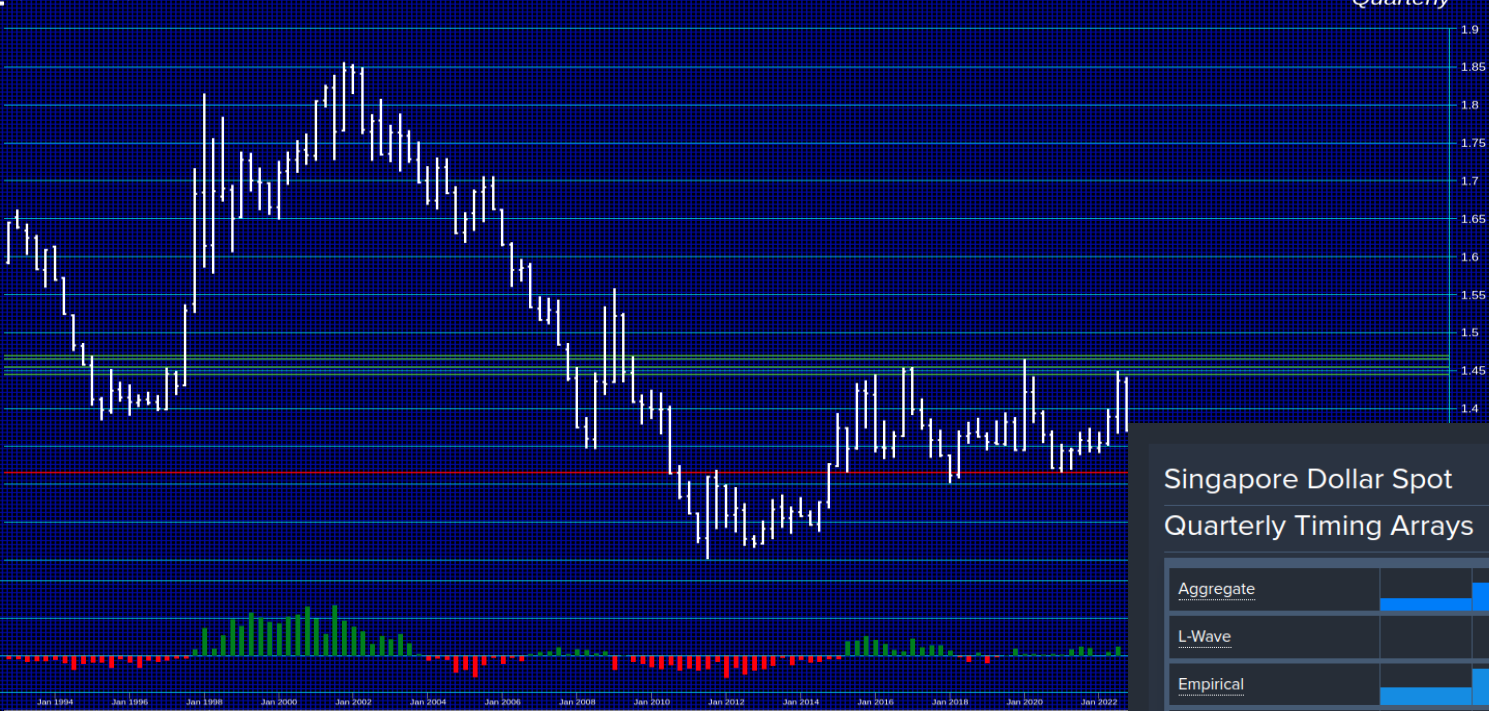
## Singapore Dollar Spot Yearly Timing Arrays

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



# SINGAPORE DOLLAR SPOT(as of QUARTERLY close – Sept 2022)

Singapore Dollar Spot (USDSGD)  
Expressed in Singapore Dollar



Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Neutral

## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.4538	1.4441		1.3154
1.4539	1.4690		
1.4648			

## Singapore Dollar Spot Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

# SINGAPORE DOLLAR SPOT(as of MONTHLY close – Oct 2022)



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.4538	1.4418	1.3688	1.3414
1.4842	1.4530	1.3684	1.3220
	1.4644	1.3507	

## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

## Singapore Dollar Spot 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												

# BITCOIN (as of QUARTERLY close – Sept 2022)

Bitcoin Per USD (CME) (BTCUSD)  
Expressed in US Dollar



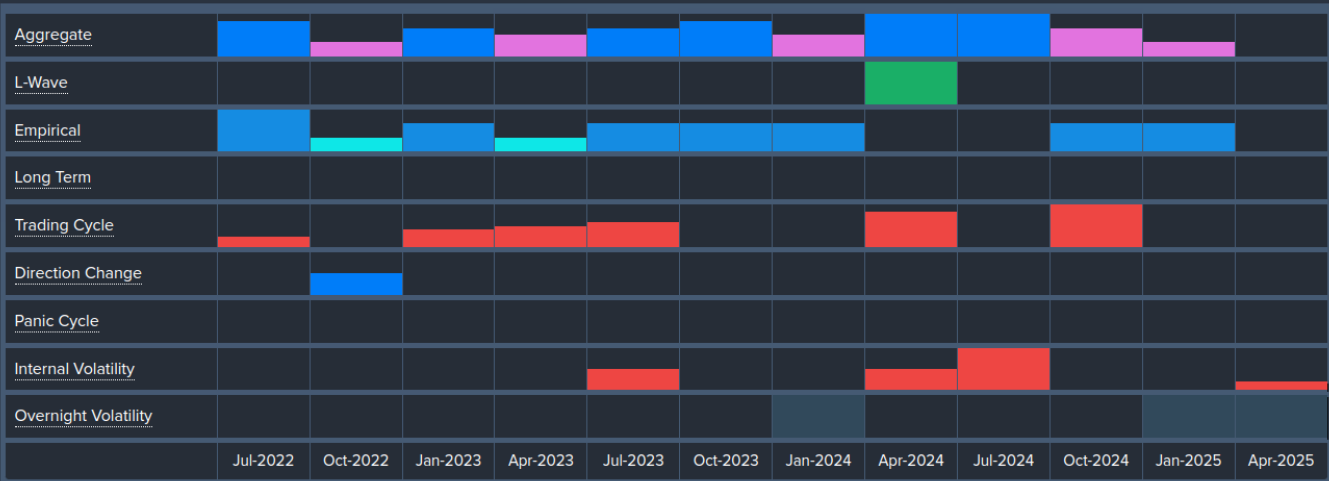
Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bullish	Bullish

Quarterly Reversals

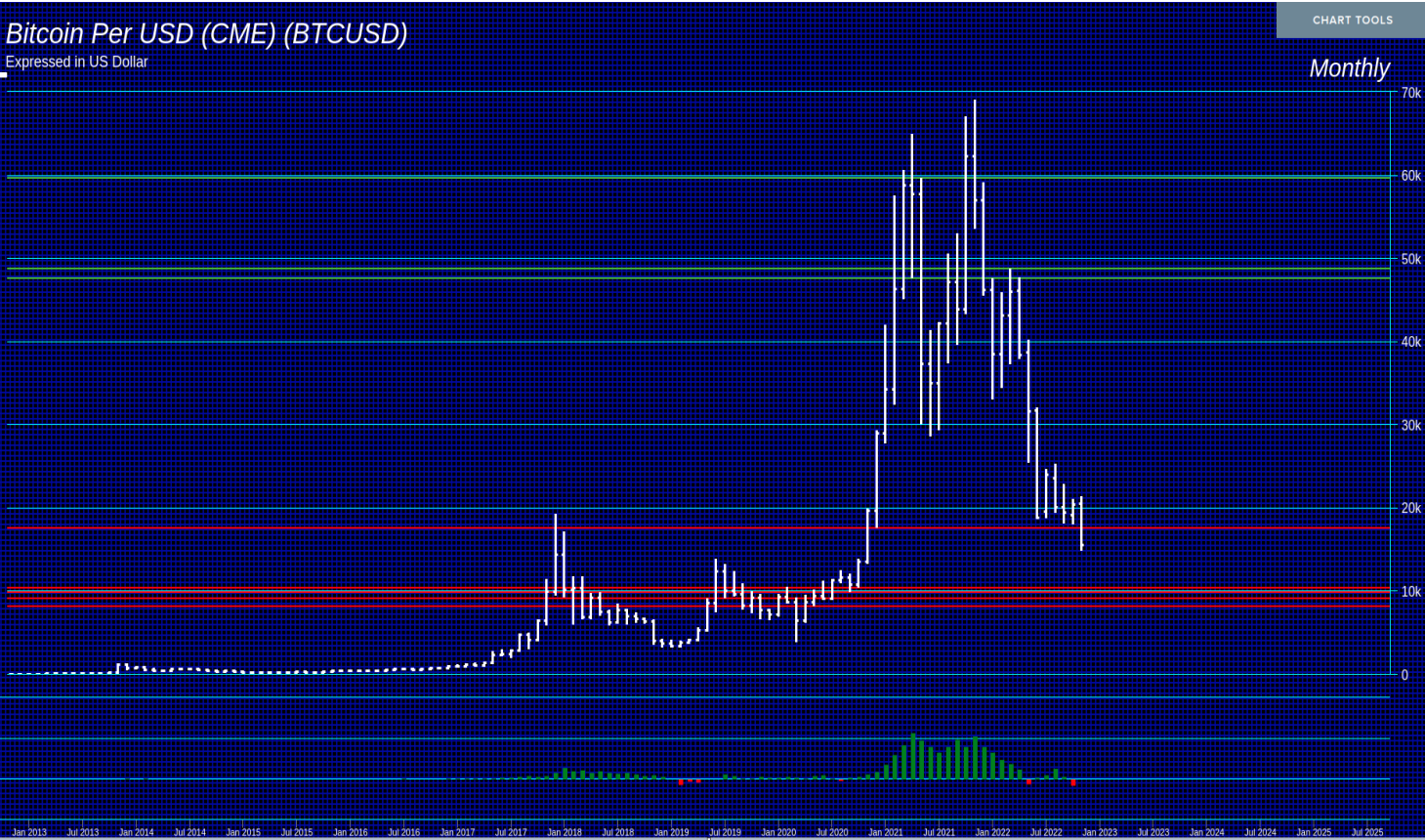
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		8,938.00	5,920.60
			5,879.00
			4,052.40
			3,135.40

Bitcoin Per USD (CME)  
Quarterly Timing Arrays





# BITCOIN (as of MONTHLY close – Oct 2022)



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	47,586.60	9,825.06	17,569.40
	48,771.00		10,379.00
	59,604.00		9,049.40
			8,180.00

## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Bearish	Bearish	Bullish

## Direction Change

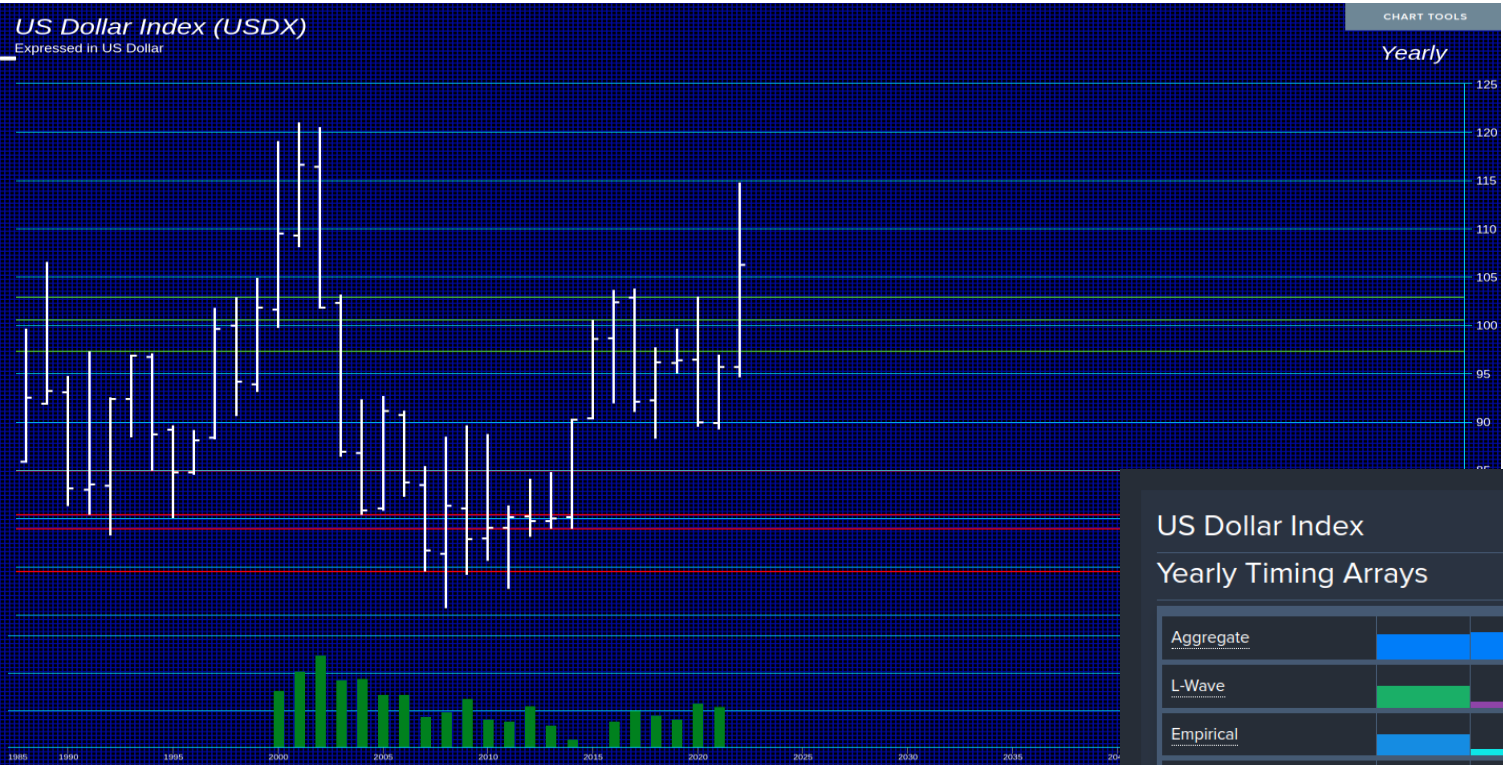
### Panic Cycle

### Internal Volatility

### Overnight Volatility

Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep

# US DOLLAR (as of YEARLY close – 2021)



### Yearly Reversals

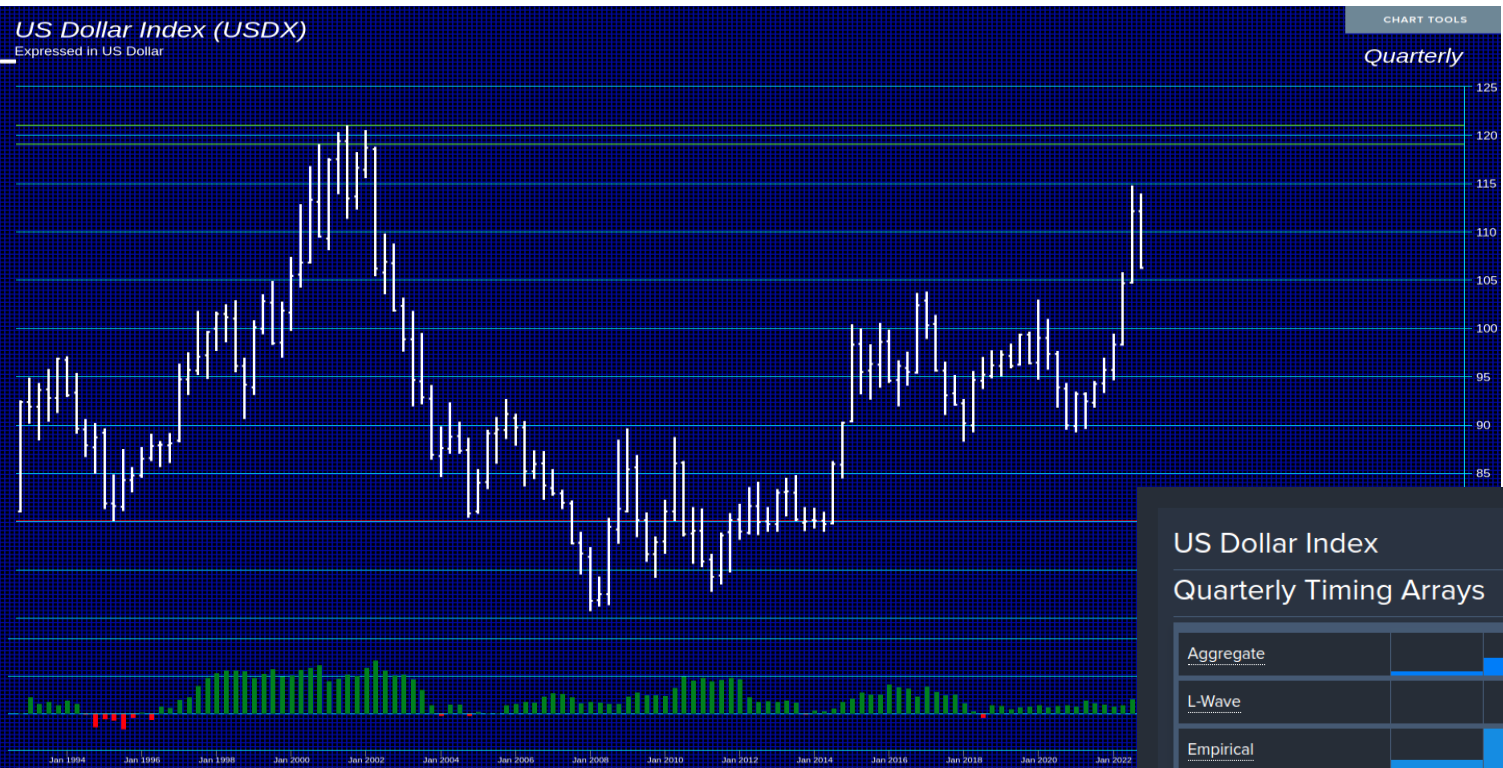
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
97.3201	102.8801	80.3899	84.9099
100.5101		80.3399	74.4839
		78.9059	

### Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Bullish	Bullish



# US DOLLAR (as of QUARTERLY close – Sept 2022)

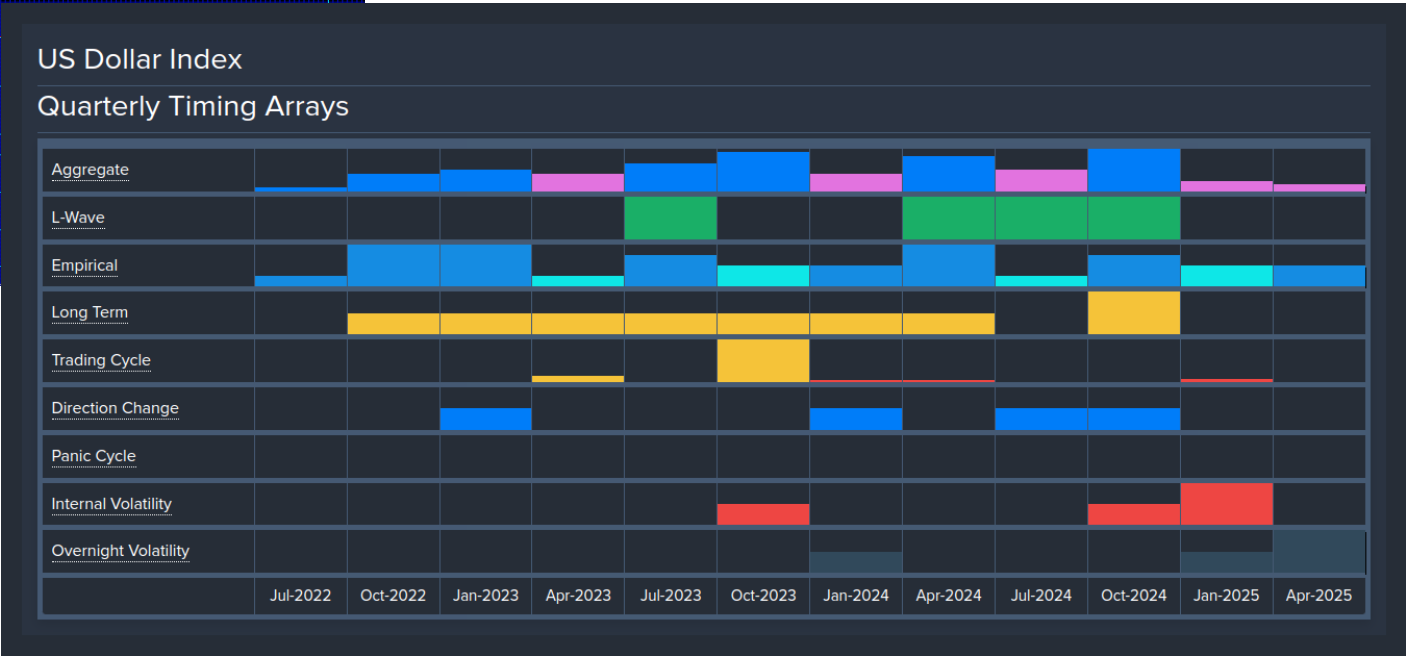


Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
121.0201	119.0701		80.0299

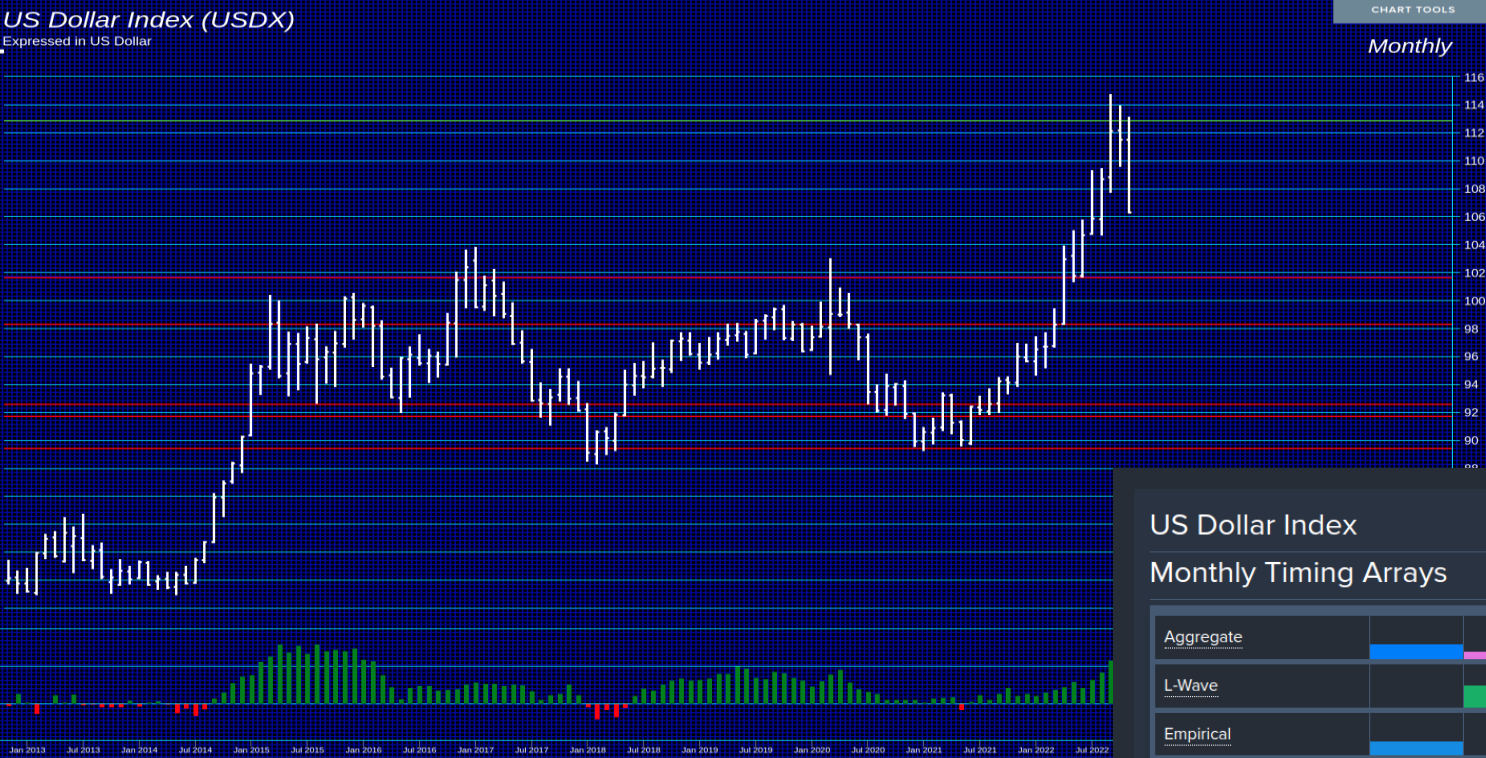
Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish





# US DOLLAR (as of MONTHLY close – Oct 2022)



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	112.8601	101.6439	89.4001
	117.8201	98.3089	
	118.2601	92.5459	
	118.7501	91.7001	
	119.6101		

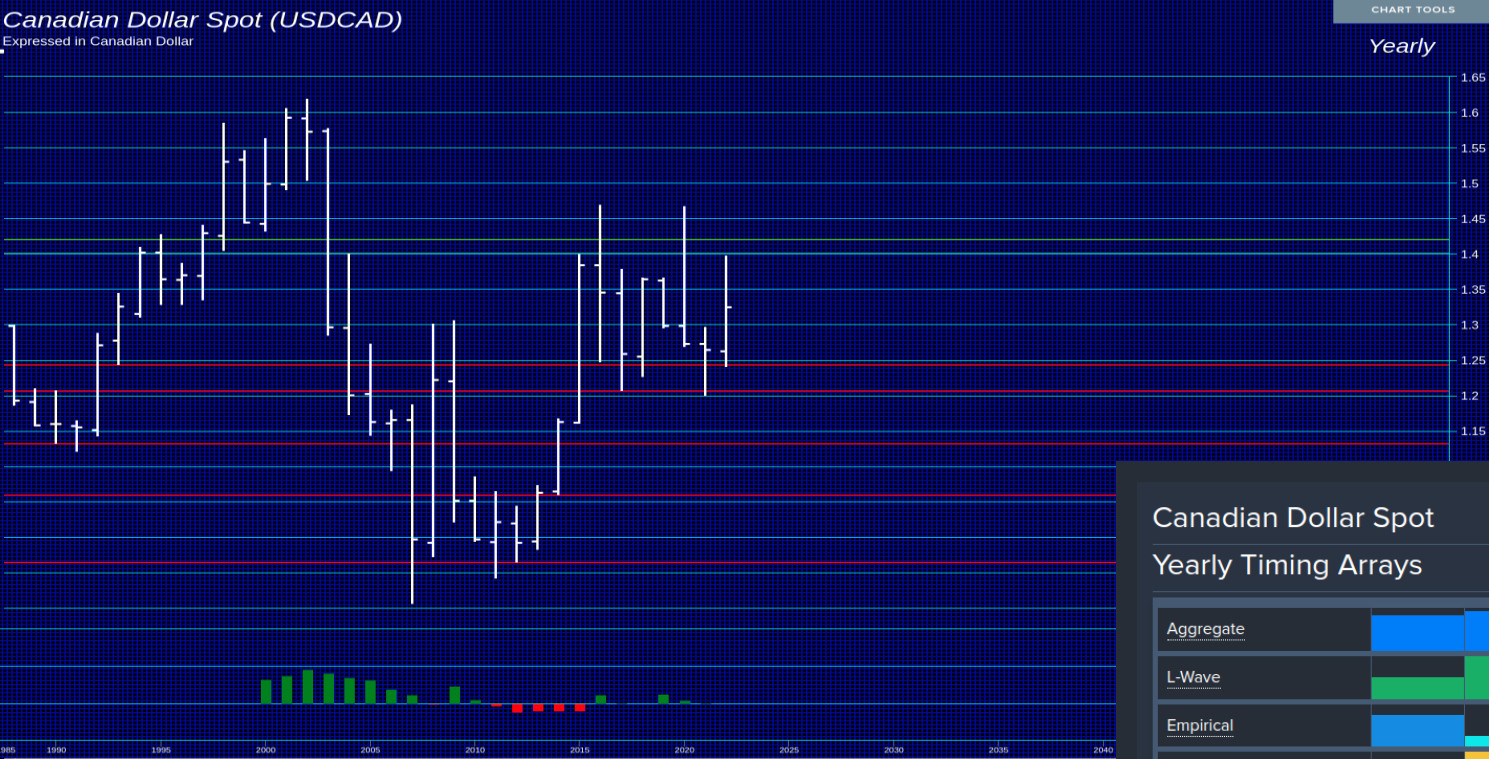
## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

## US Dollar 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	Sep

# CAN DOLLAR (as of YEARLY close – 2021)



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.4003		1.1315	1.2427
1.4200		0.9638	1.2064
			1.0590

## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Neutral	Bearish

## Canadian Dollar Spot Yearly Timing Arrays

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

# GLOBAL BONDS

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## 2022 WEC Global Markets Overview



# US 10-YR (as of YEARLY close – 2021)

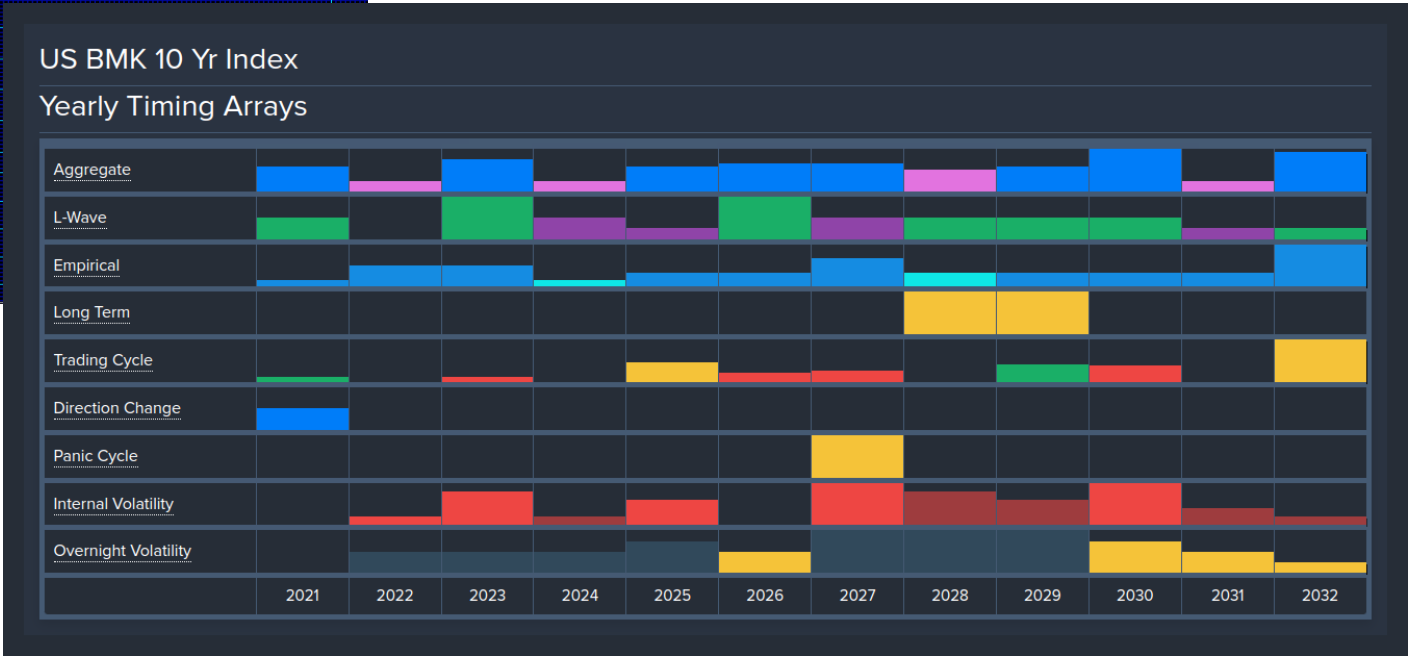


### Yearly Reversals

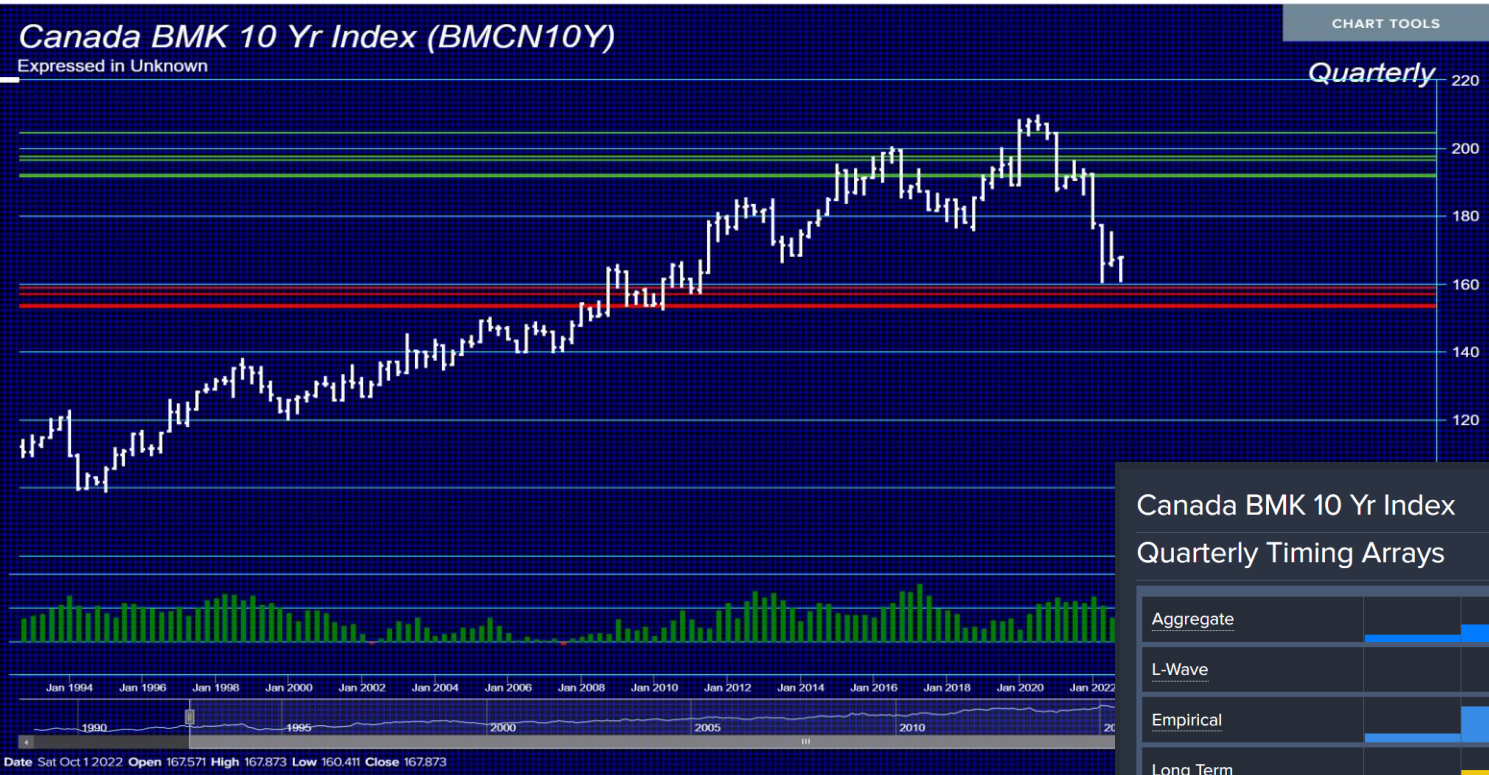
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		147.80	140.70
		146.70	125.60
			125.10

### Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Bullish	Bullish



# US 10-YR (as of QUARTERLY close – Sept 2022)



### Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
191.61	197.35	153.38	158.75
192.15			156.87
196.37			153.67
204.56			153.32

### Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

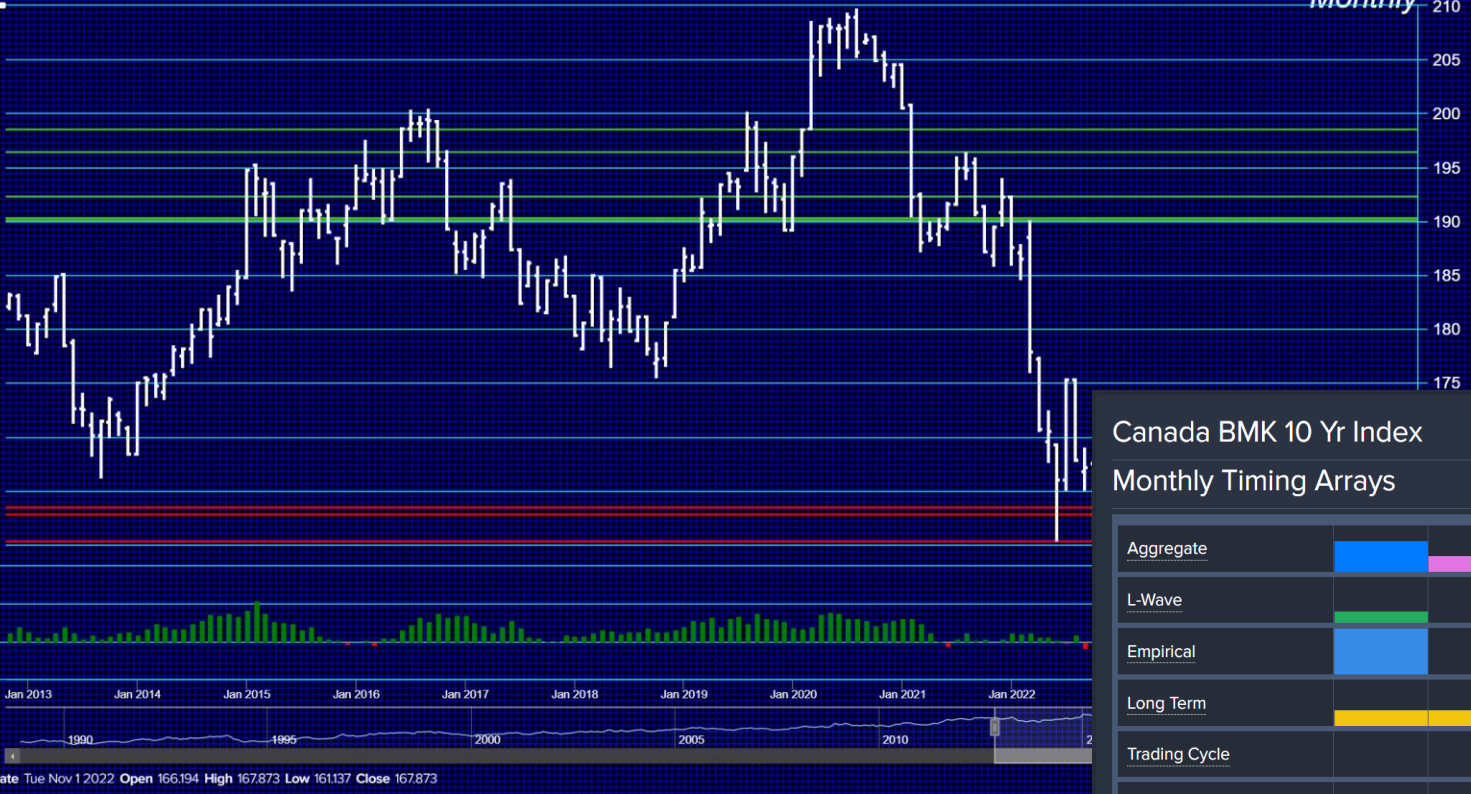




# US 10-YR (as of MONTHLY close – Oct 2022)

Canada BMK 10 Yr Index (BMCN10Y)

Expressed in Unknown



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
190.12	198.53		163.48
190.28			162.81
192.28			160.24
196.37			158.75
			158.47

## Canada BMK 10 Yr Index Monthly Timing Arrays



## Monthly Indicating Ranges

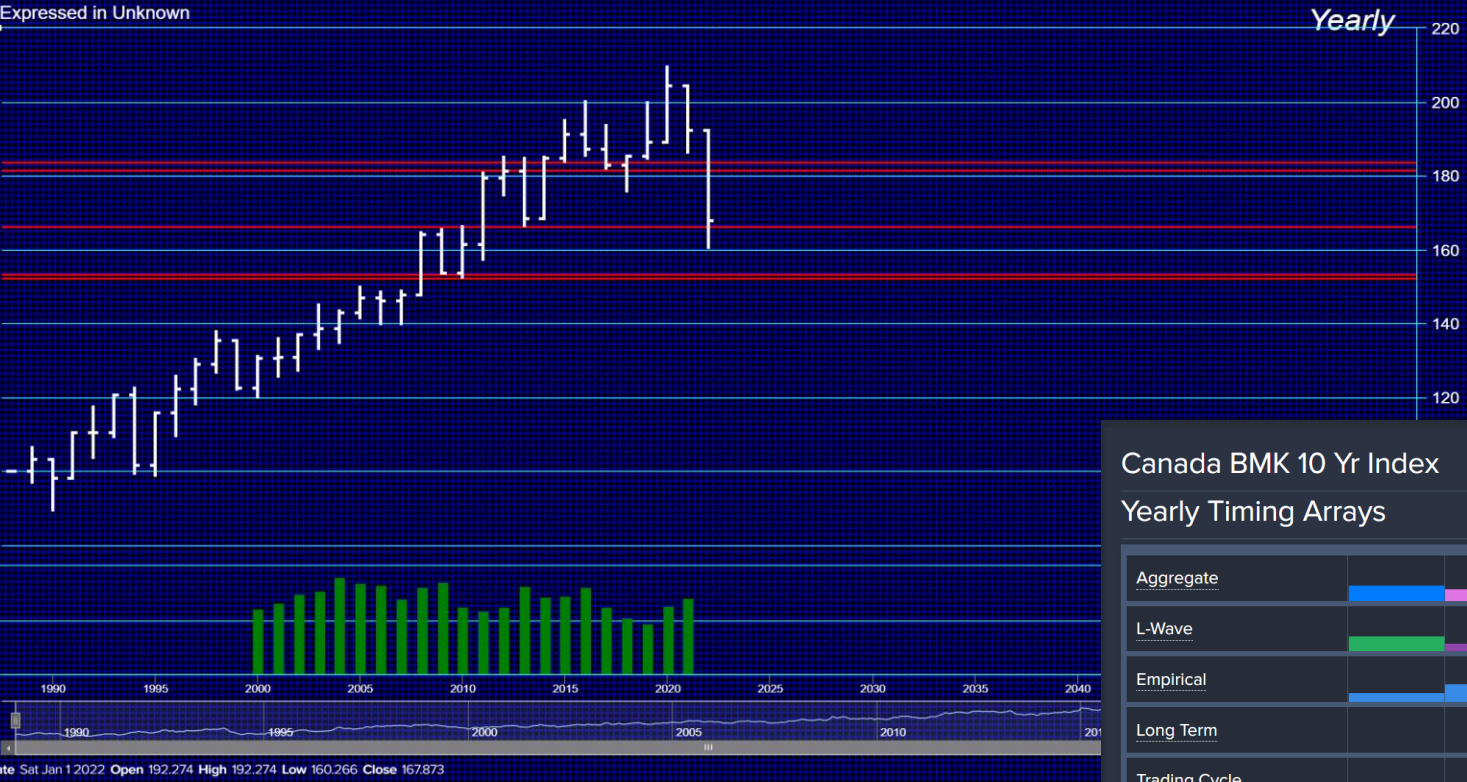
Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Bearish	Bearish	Bearish



# CANADIAN 10-YR (as of YEARLY close – 2021)

Canada BMK 10 Yr Index (BMCN10Y)

Expressed in Unknown



Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Bullish	Bullish

## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		183.41	166.11
		181.51	153.32
			152.26

Canada BMK 10 Yr Index

Yearly Timing Arrays

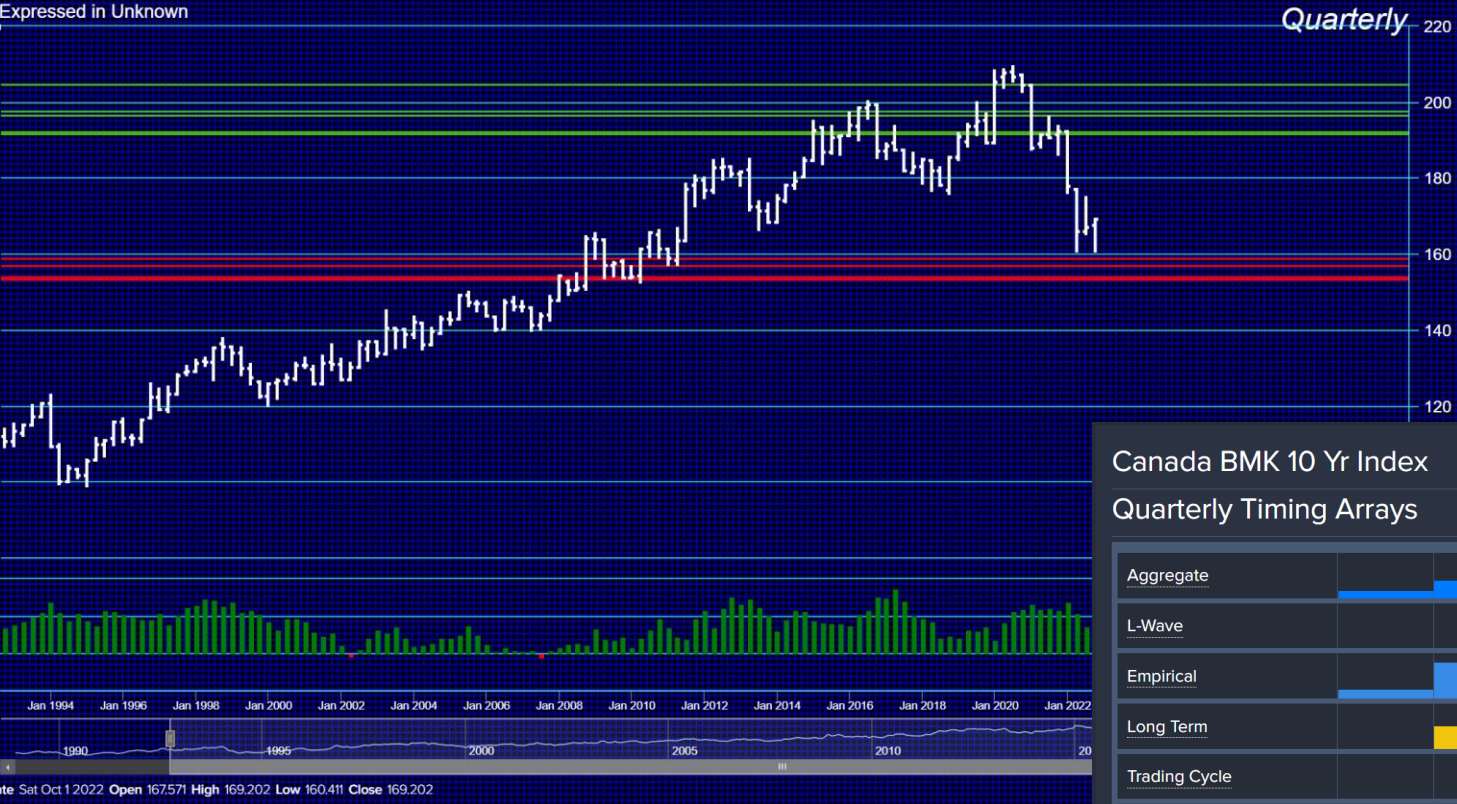
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032



# CANADIAN 10-YR (as of QUARTERLY close – Sept 2022)

Canada BMK 10 Yr Index (BMCN10Y)

Expressed in Unknown

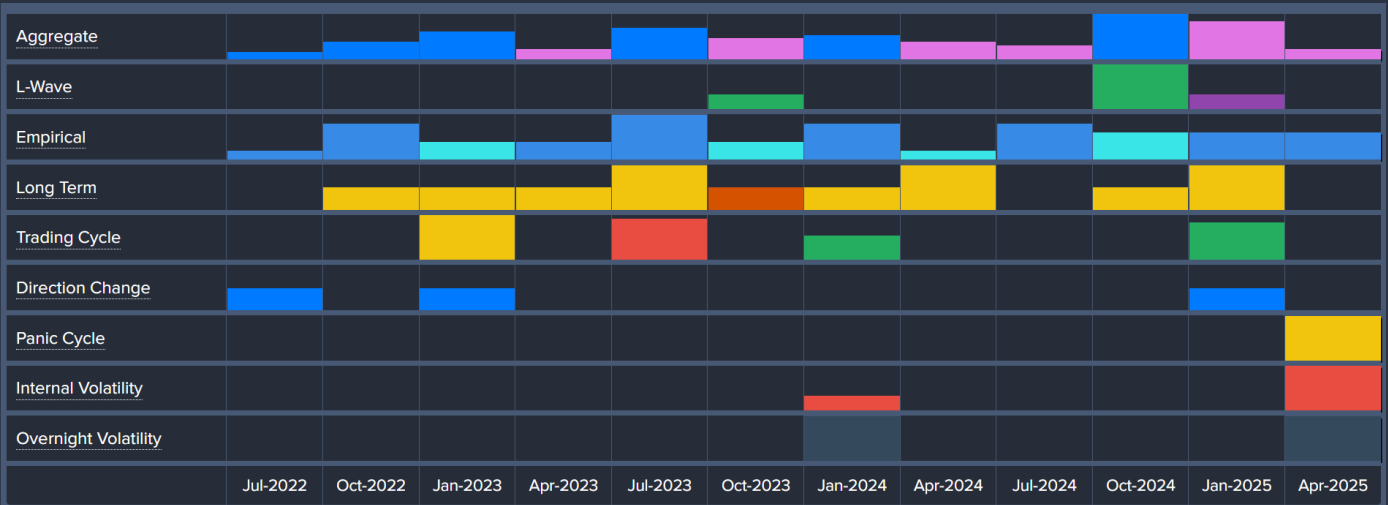


## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
191.61	197.35	153.38	158.75
192.15			156.87
196.37			153.67
204.56			153.32

## Canada BMK 10 Yr Index

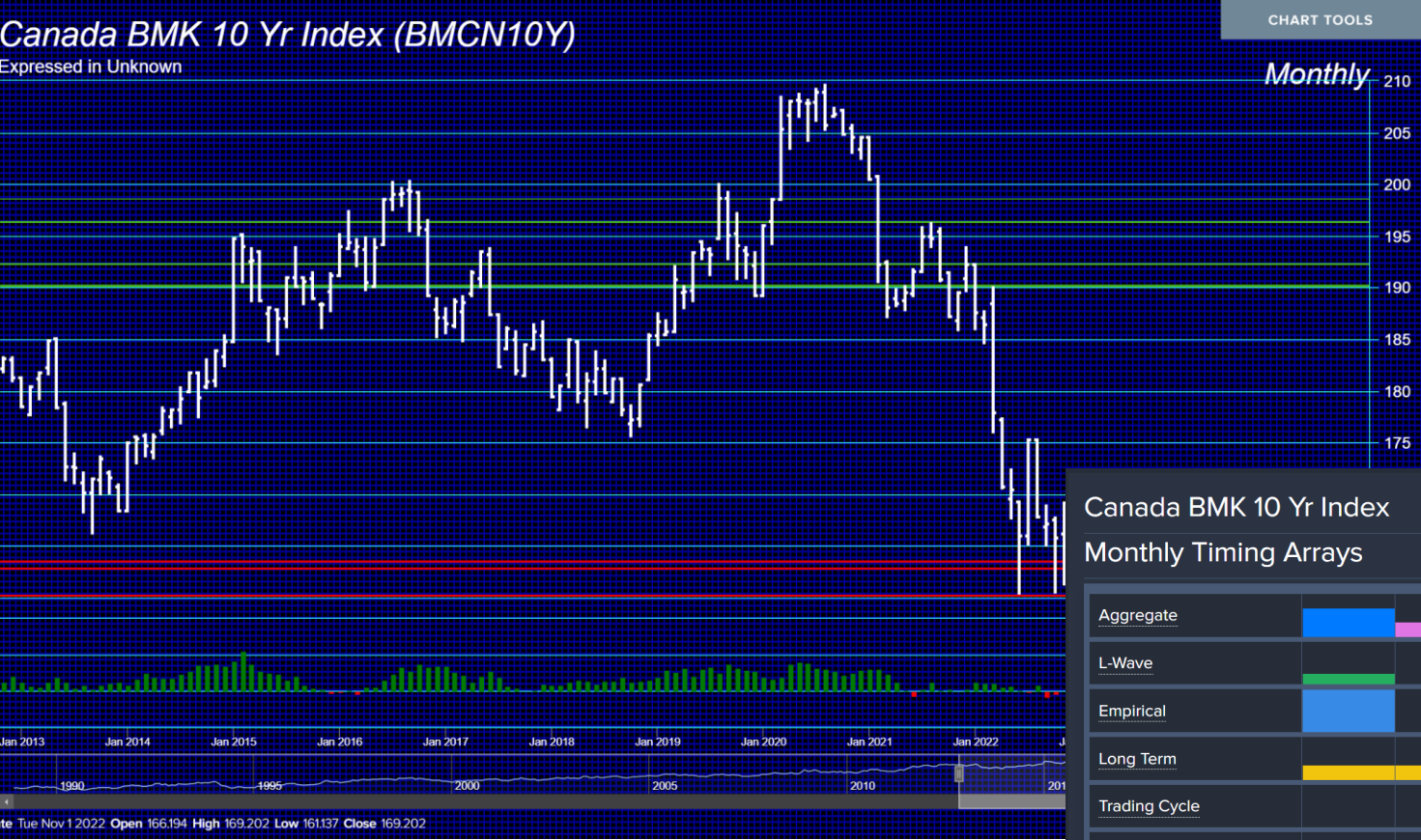
### Quarterly Timing Arrays



## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

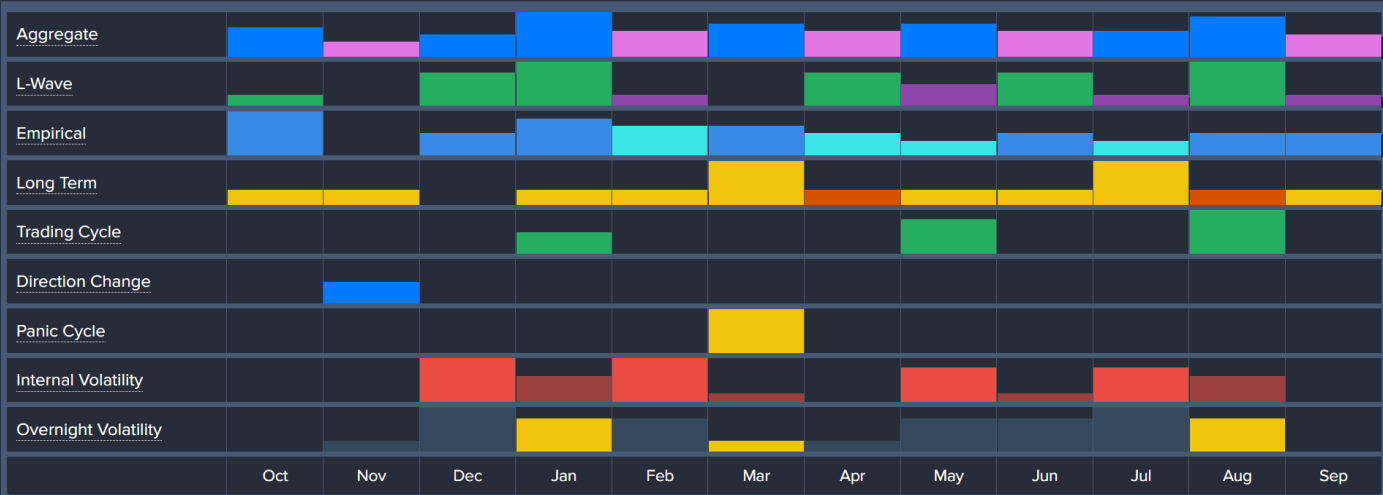
# CANADIAN 10-YR (as of MONTHLY close – Oct 2022)



### Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
190.12	198.53		163.48
190.28			162.81
192.28			160.24
196.37			158.75
			158.47

Canada BMK 10 Yr Index  
Monthly Timing Arrays

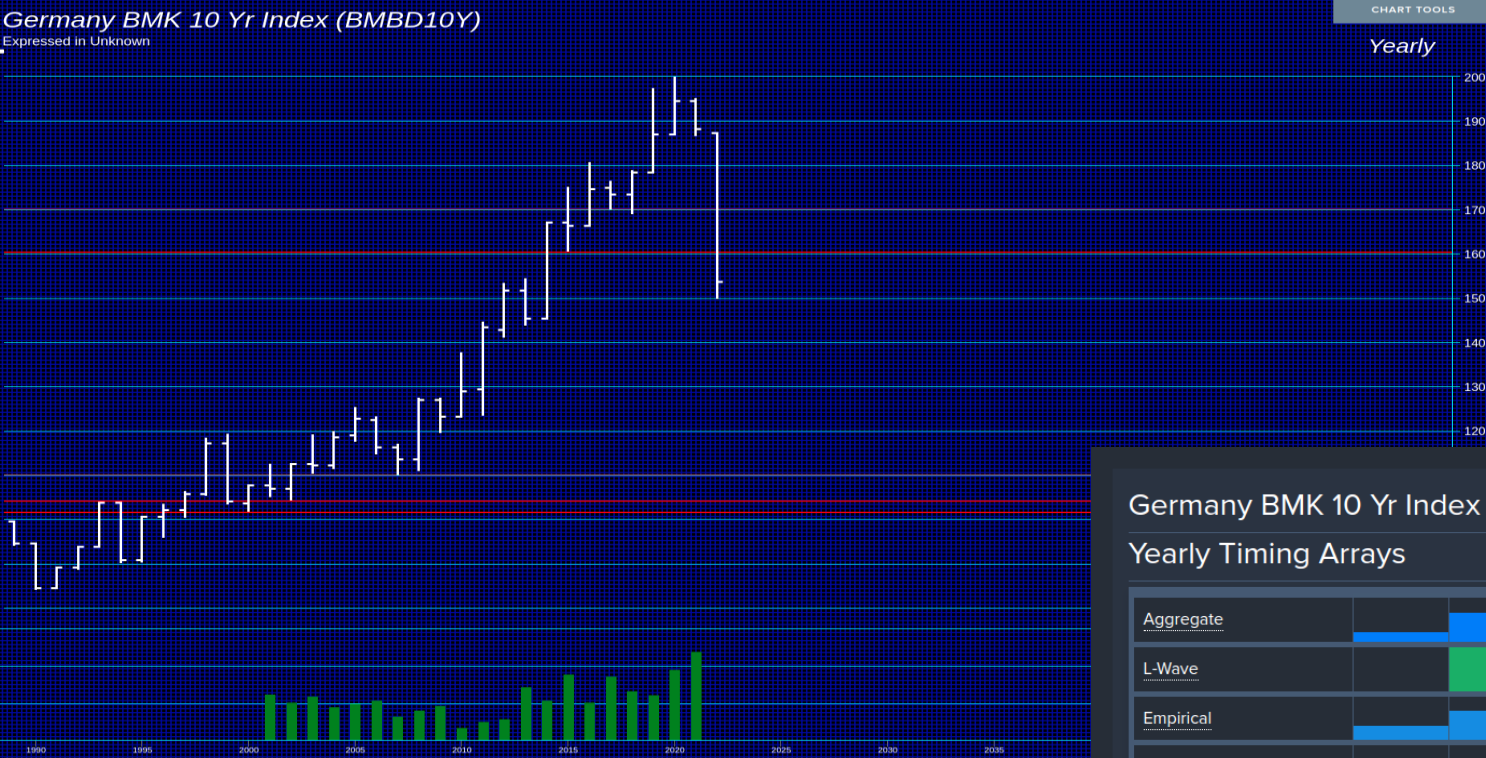


### Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Bearish	Bearish	Bearish



# GERMAN 10 YR (as of YEARLY close – 2021)



### Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		170.00	104.10
		160.40	101.60
		110.03	

### Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

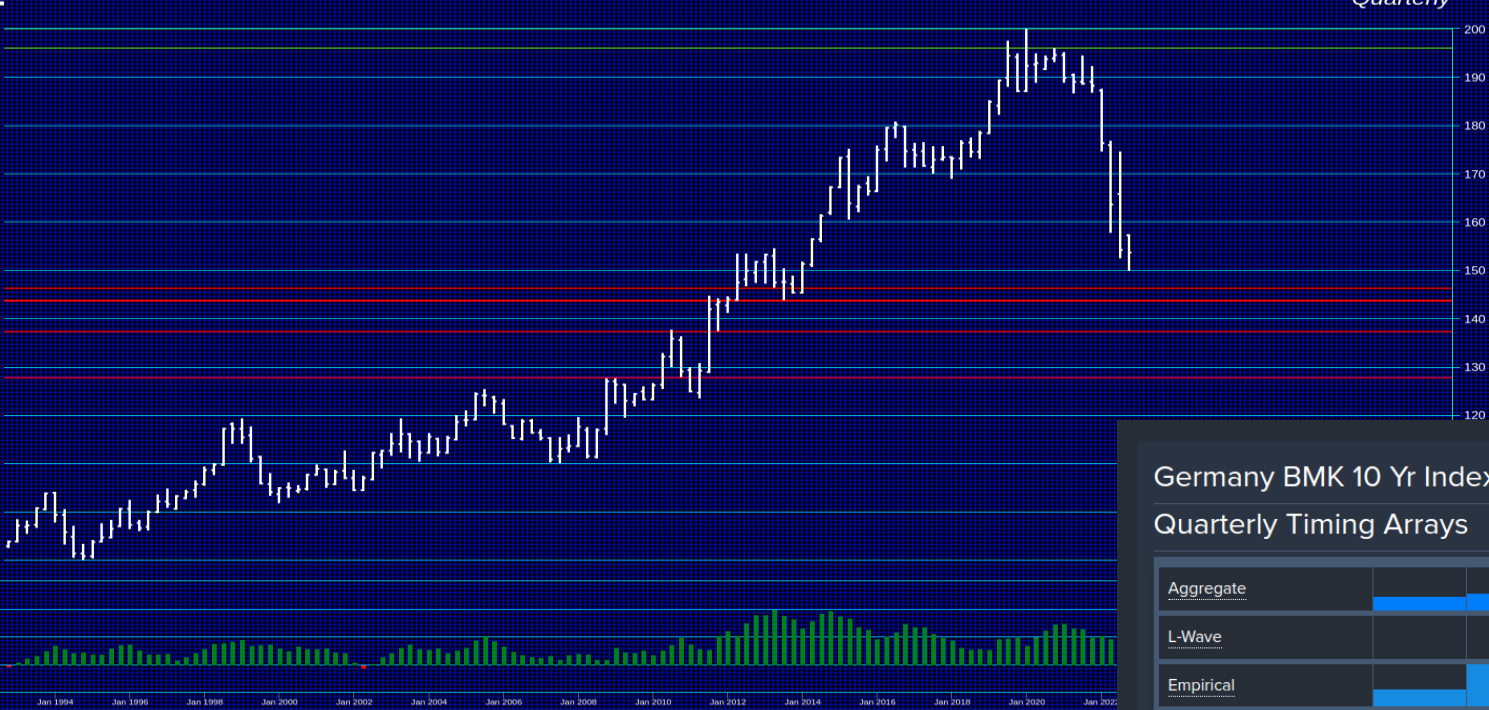
### Germany BMK 10 Yr Index Yearly Timing Arrays

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



# GERMAN 10 YR (as of QUARTERLY close – Sept 2022)

Germany BMK 10 Yr Index (BMBD10Y)  
Expressed in Unknown



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	196.03	146.30	143.80
	200.00	143.60	137.30
			127.70

## Quarterly Indicating Ranges

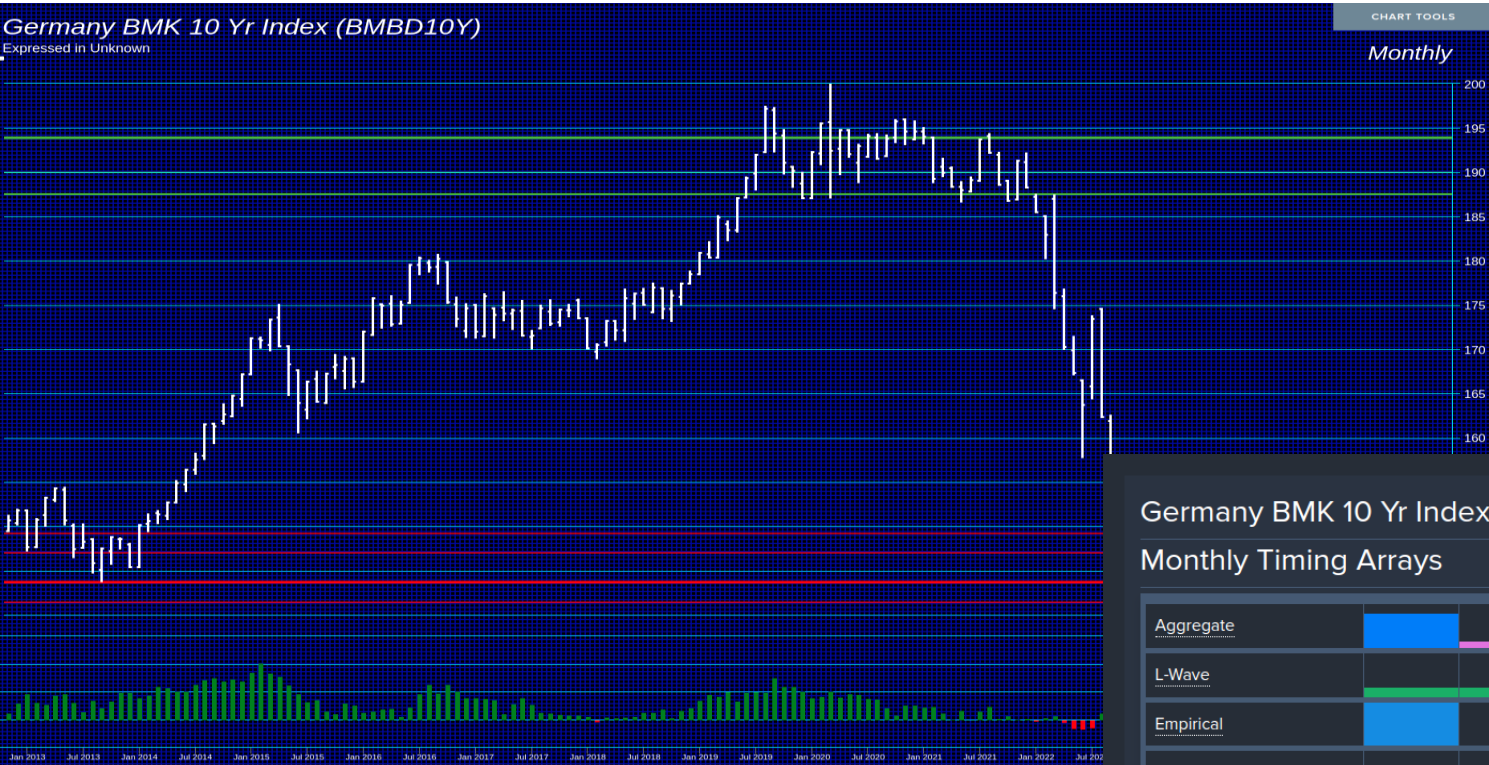
Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

## Germany BMK 10 Yr Index Quarterly Timing Arrays

	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

# GERMAN 10 YR (as of MONTHLY close – Oct 2022)

Germany BMK 10 Yr Index (BMBD10Y)  
Expressed in Unknown



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
194.00	187.50	149.20	143.60
	187.60	147.00	
	190.00	143.80	
	193.80	141.40	

## Germany BMK 10 Yr Index

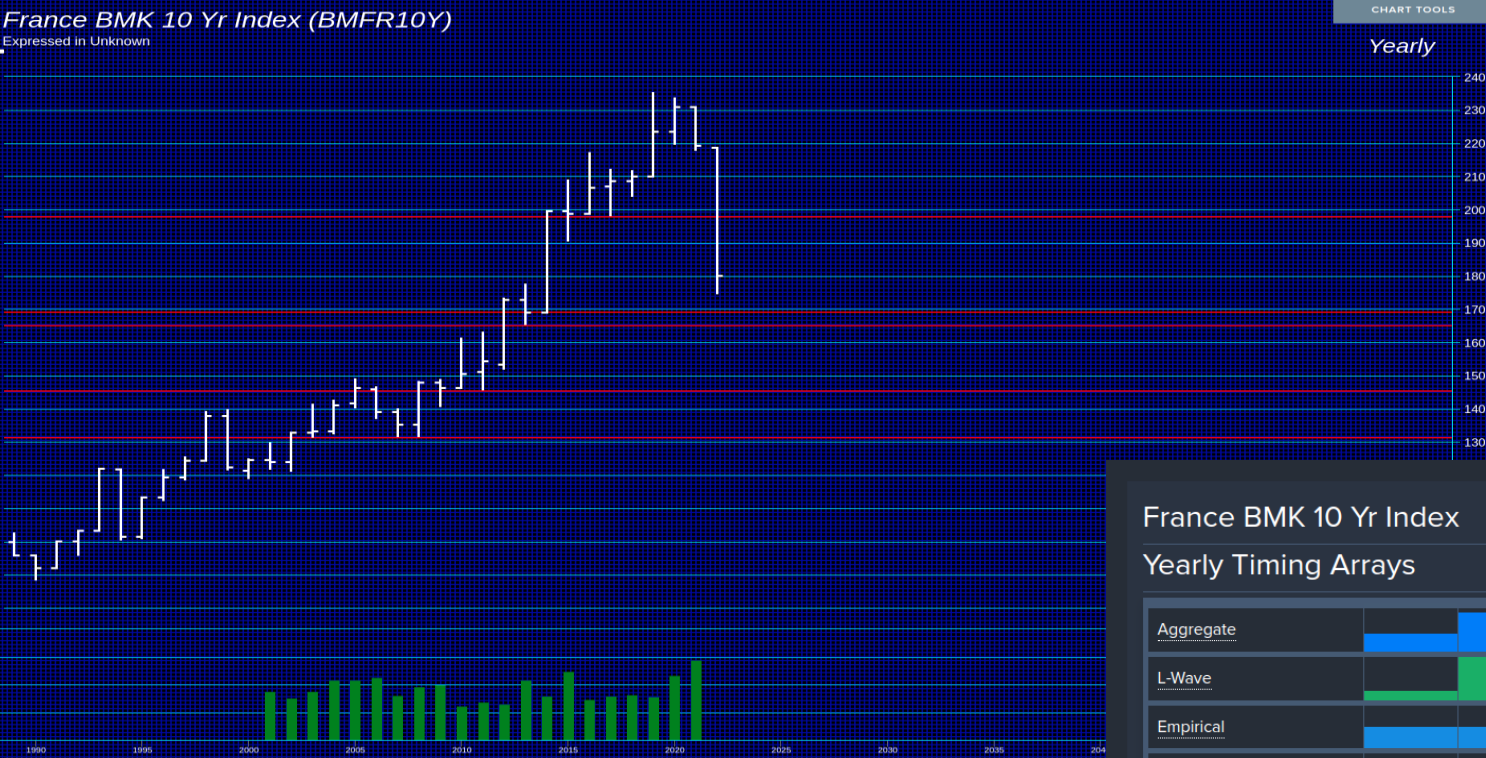
### Monthly Timing Arrays

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

### Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

# FRENCH 10-YR (as of YEARLY close – 2021)

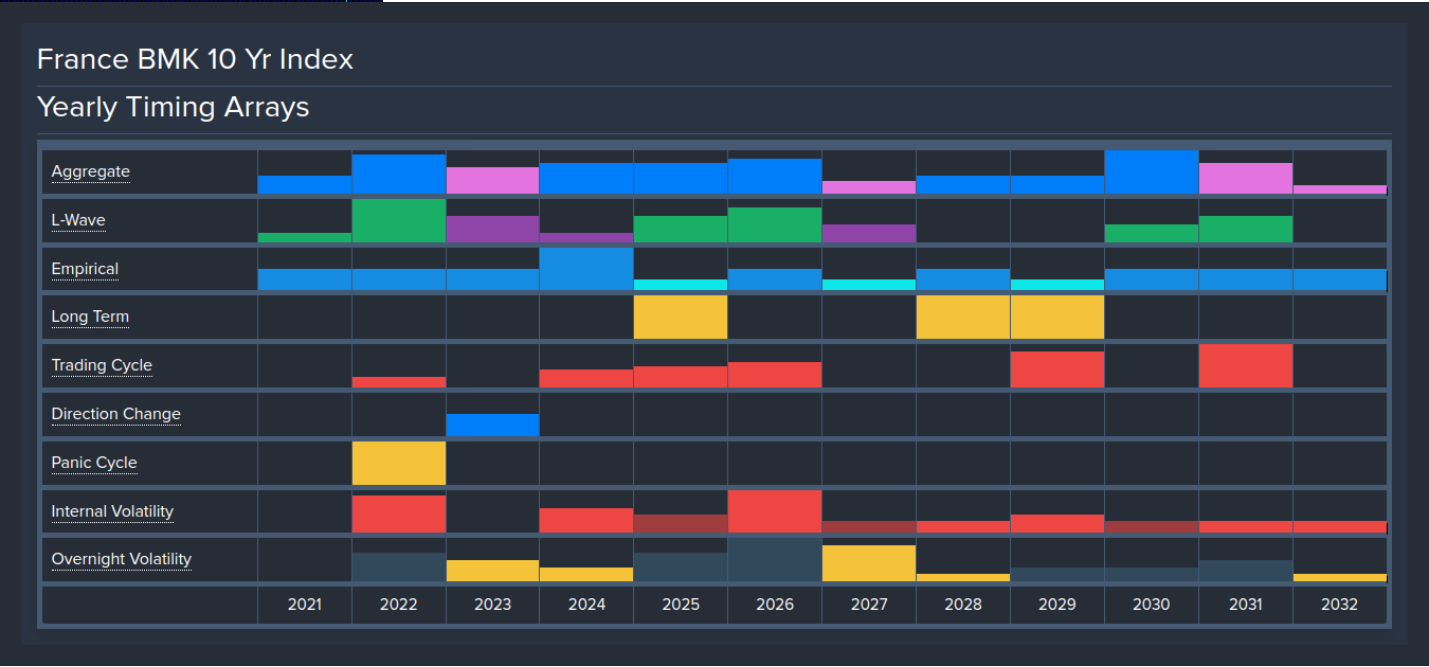


### Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		197.70	165.00
		169.00	145.40
		131.20	

### Yearly Indicating Ranges

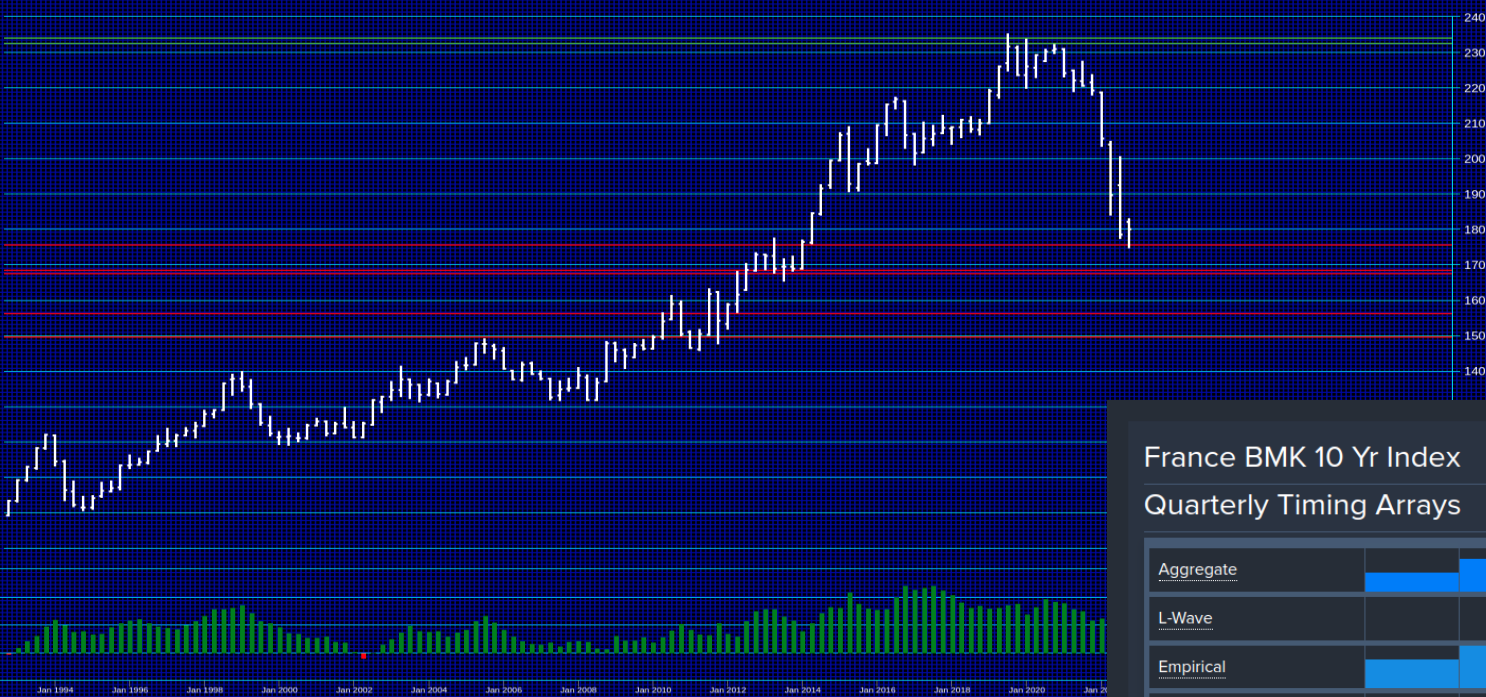
Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish





# FRENCH 10-YR (as of QUARTERLY close – Sept 2022)

France BMK 10 Yr Index (BMFR10Y)  
Expressed in Unknown



Quarterly Indicating Ranges			
Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

## Quarterly Reversals

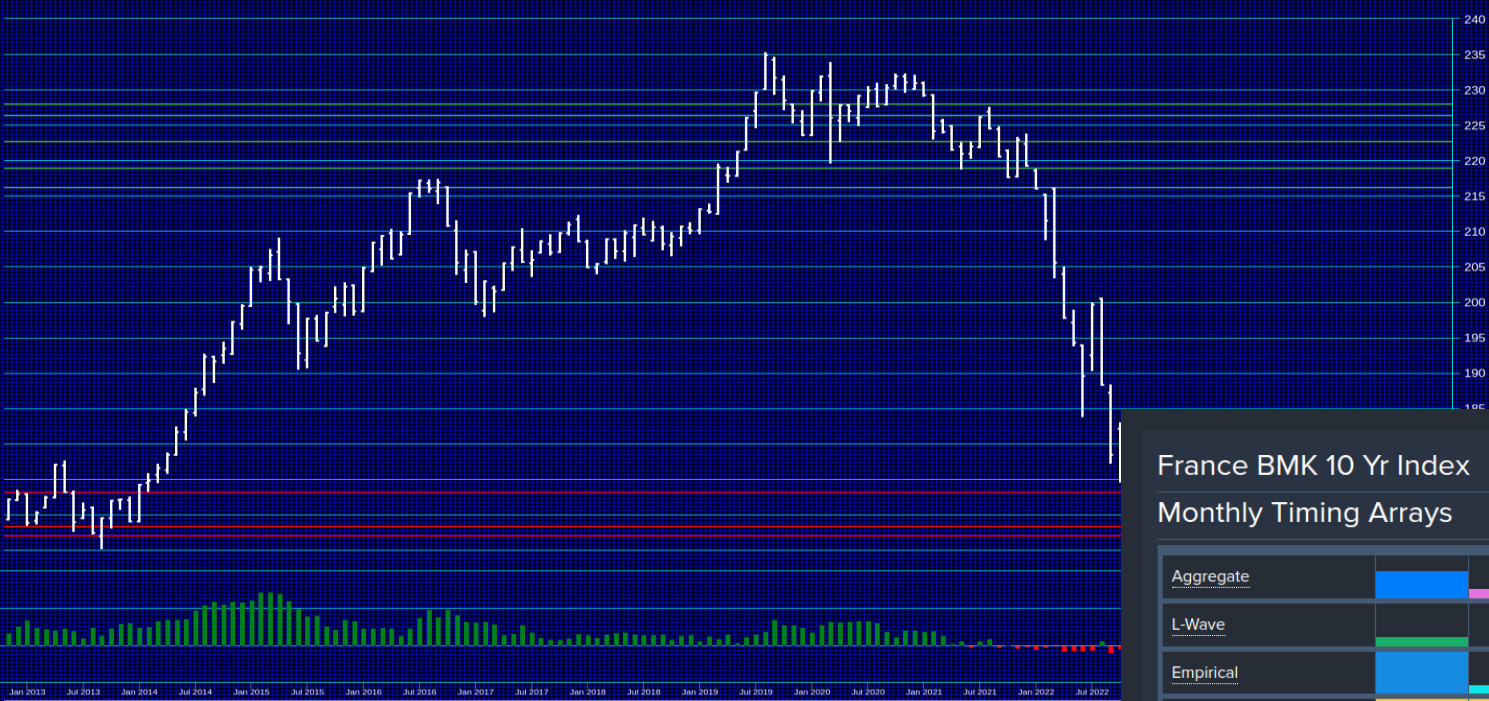
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
232.40		168.30	175.60
233.90		167.40	156.10
			149.60

## 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-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

# FRENCH 10-YR (as of MONTHLY close – Oct 2022)

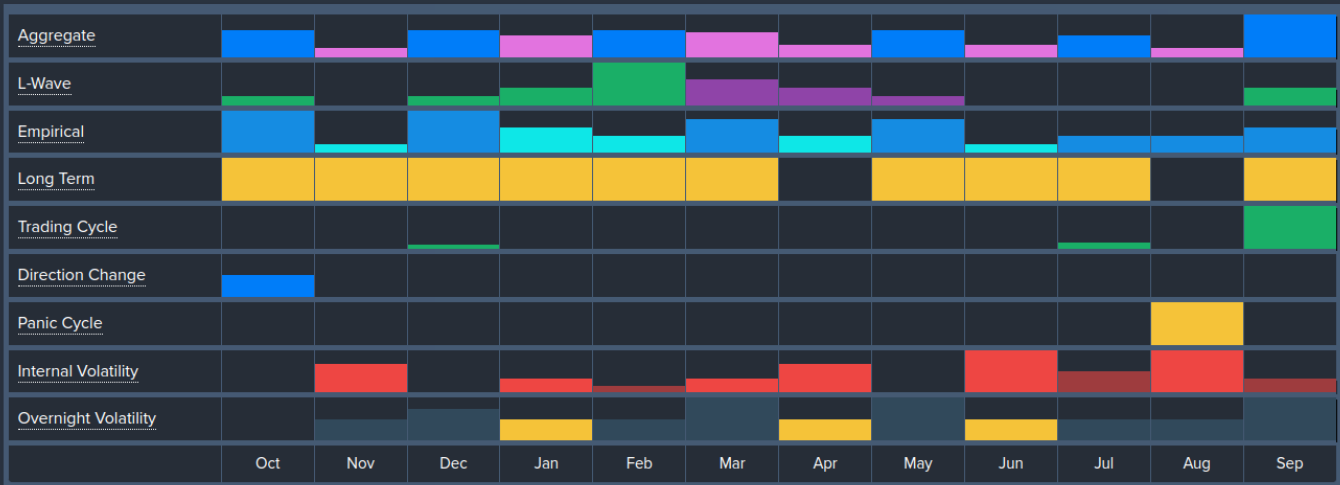
France BMK 10 Yr Index (BMFR10Y)  
Expressed in Unknown



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
226.30	216.20		173.10
227.90	218.90		168.30
	222.70		167.00
			162.80
			156.10

## France BMK 10 Yr Index Monthly Timing Arrays



## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

# ITALIAN 10-YR (as of YEARLY close – 2021)



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
			153.40
			151.80

## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

## Italy BMK 10 Yr Index Yearly Timing Arrays

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



# ITALIAN 10 YR (as of QUARTERLY close – Sept 2022)

Italy BMK 10 Yr Index (BMIT10Y)  
Expressed in Unknown



Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

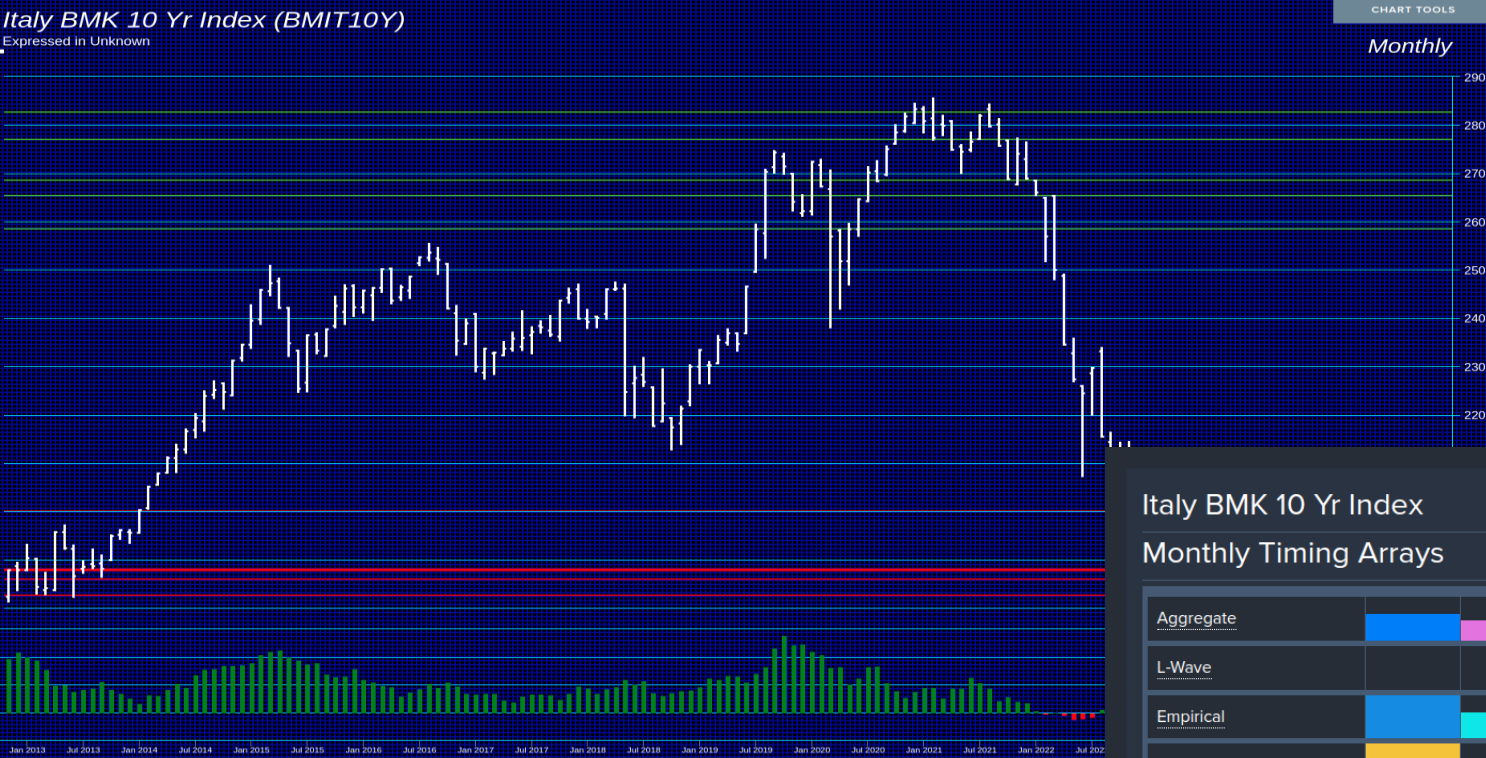
## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		182.30	189.80
		182.04	182.50
			163.00

## Italy BMK 10 Yr Index Quarterly Timing Arrays

	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

# ITALIAN 10 YR (as of MONTHLY close – Oct 2022)



### Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
258.50	282.70	200.10	188.01
265.40		187.70	186.00
268.60		182.60	
277.00			

### Monthly Indicating Ranges

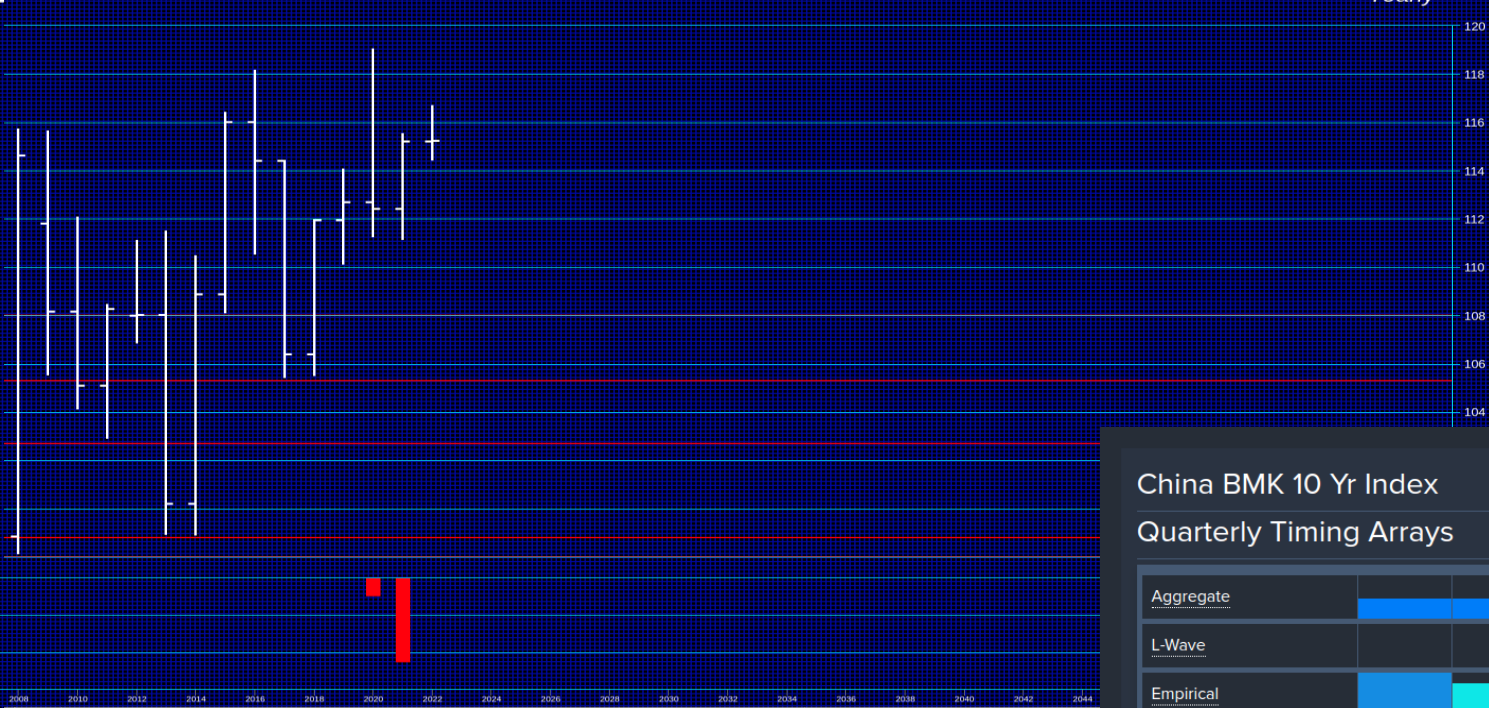
Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

### Italy 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

# CHINESE 10-YR(as of YEARLY close – 2021)

China BMK 10 Yr Index (BMCH10Y)  
Expressed in Unknown



Yearly Reversals			
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
			3,750.60
			3,223.70

Yearly Indicating Ranges			
Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Neutral	Neutral

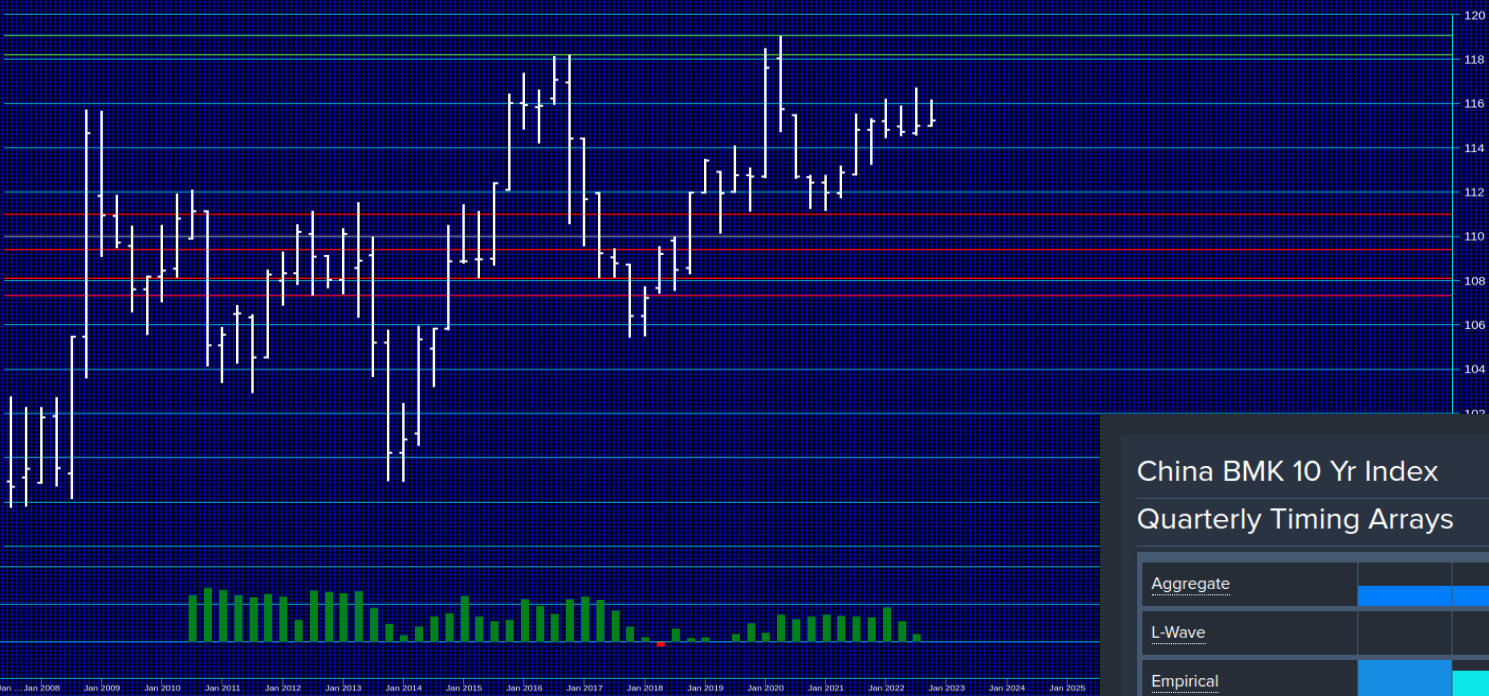
China BMK 10 Yr Index  
Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025



# CHINESE 10-YR (as of QUARTERLY close – Sept 2022)

China BMK 10 Yr Index (BMCH10Y)  
Expressed in Unknown



Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Bullish	Bullish	Neutral

Quarterly Reversals

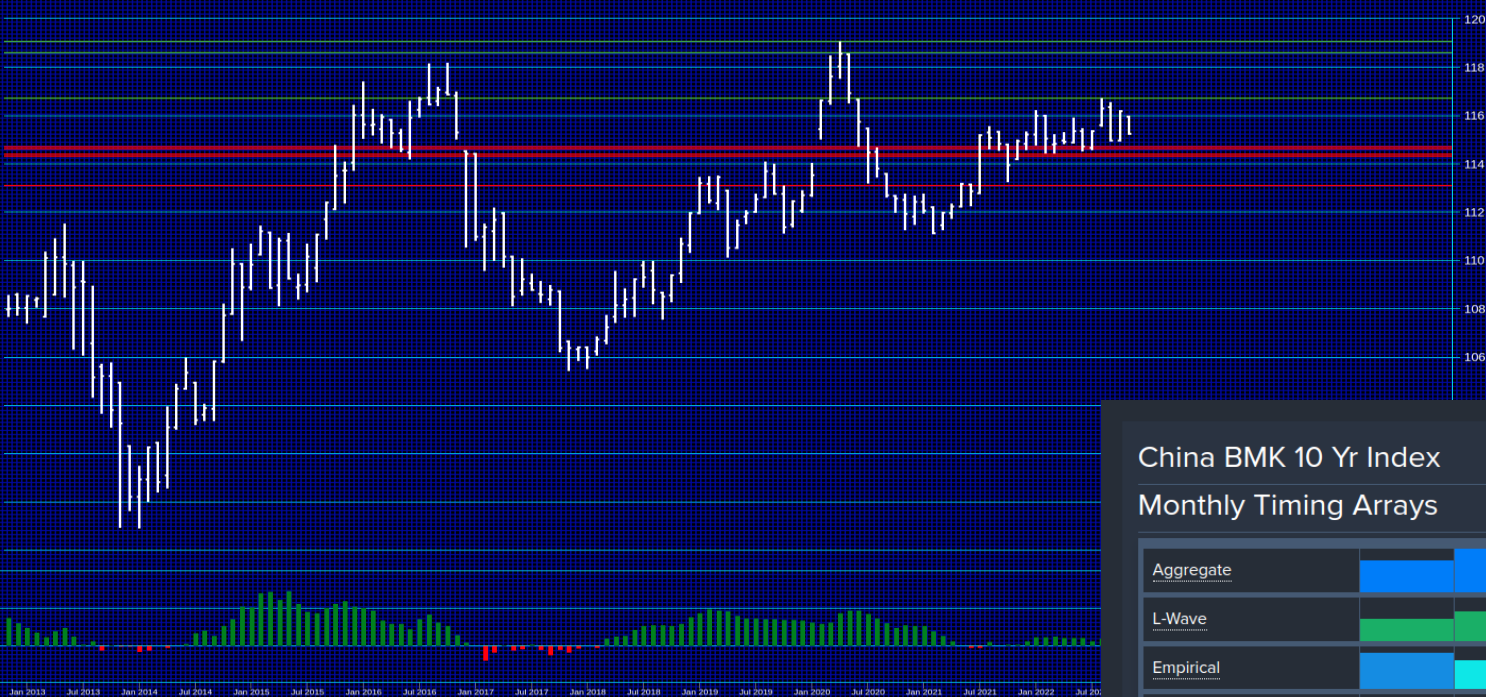
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
118.20	119.06	110.00	111.00
		109.40	107.30
		108.10	

China BMK 10 Yr Index  
Quarterly Timing Arrays

	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

# CHINESE 10-YR (as of MONTHLY close – Oct 2022)

China BMK 10 Yr Index (BMCH10Y)  
Expressed in Unknown



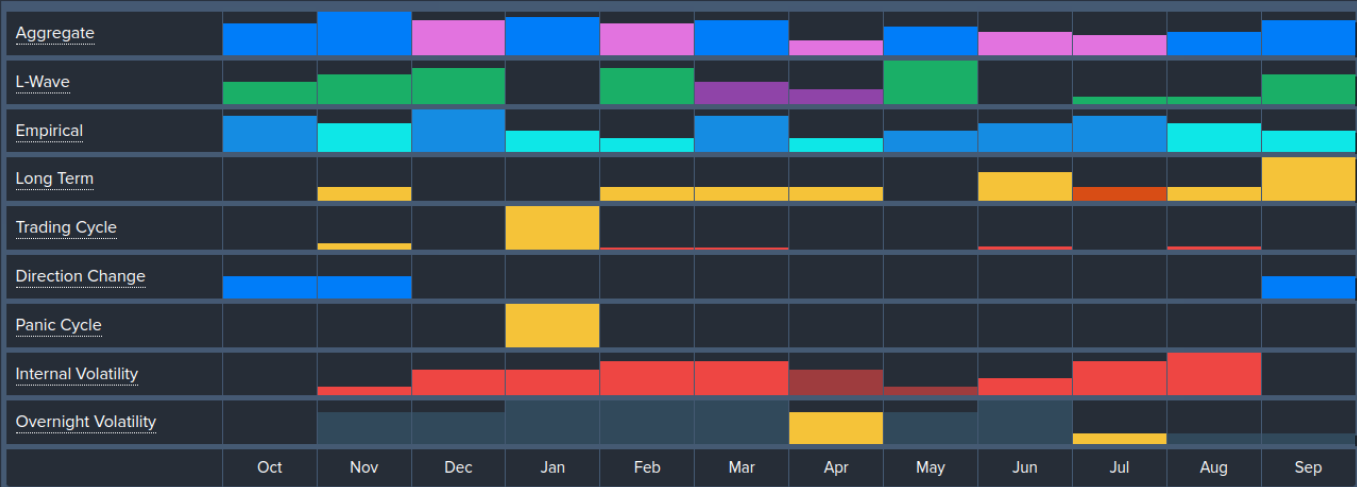
Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

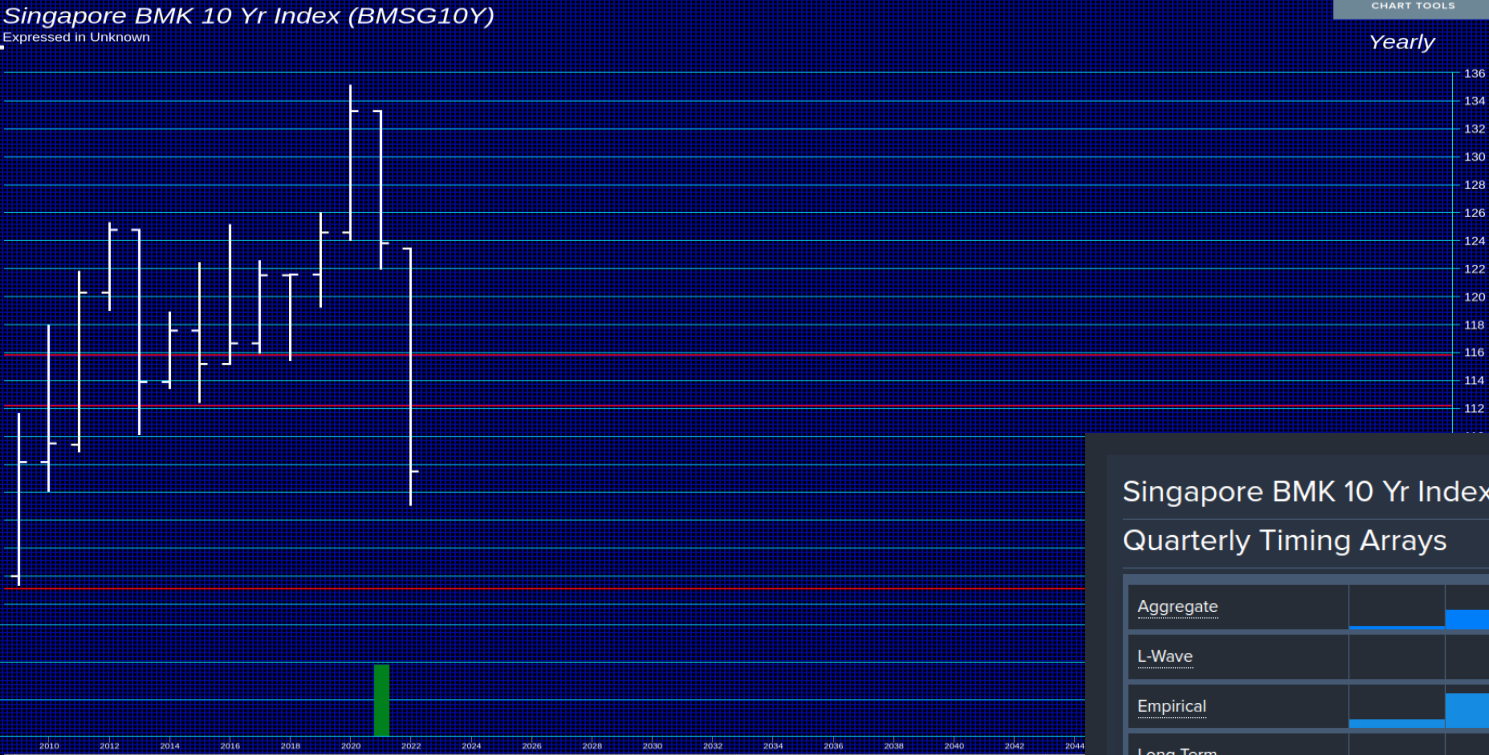
Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	116.70	114.70	114.30
	118.60	114.60	
	119.06	114.40	
		113.10	

China BMK 10 Yr Index  
Monthly Timing Arrays



# SINGAPORE 10-YR(as of YEARLY close – 2021)



### Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		115.80	
		112.20	
		99.10	

### Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Neutral	Neutral

### Singapore BMK 10 Yr Index Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025



# SINGAPORE 10-YR (as of QUARTERLY close – Sept 2022)

Singapore BMK 10 Yr Index (BMSG10Y)  
Expressed in Unknown



Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

## Quarterly Reversals

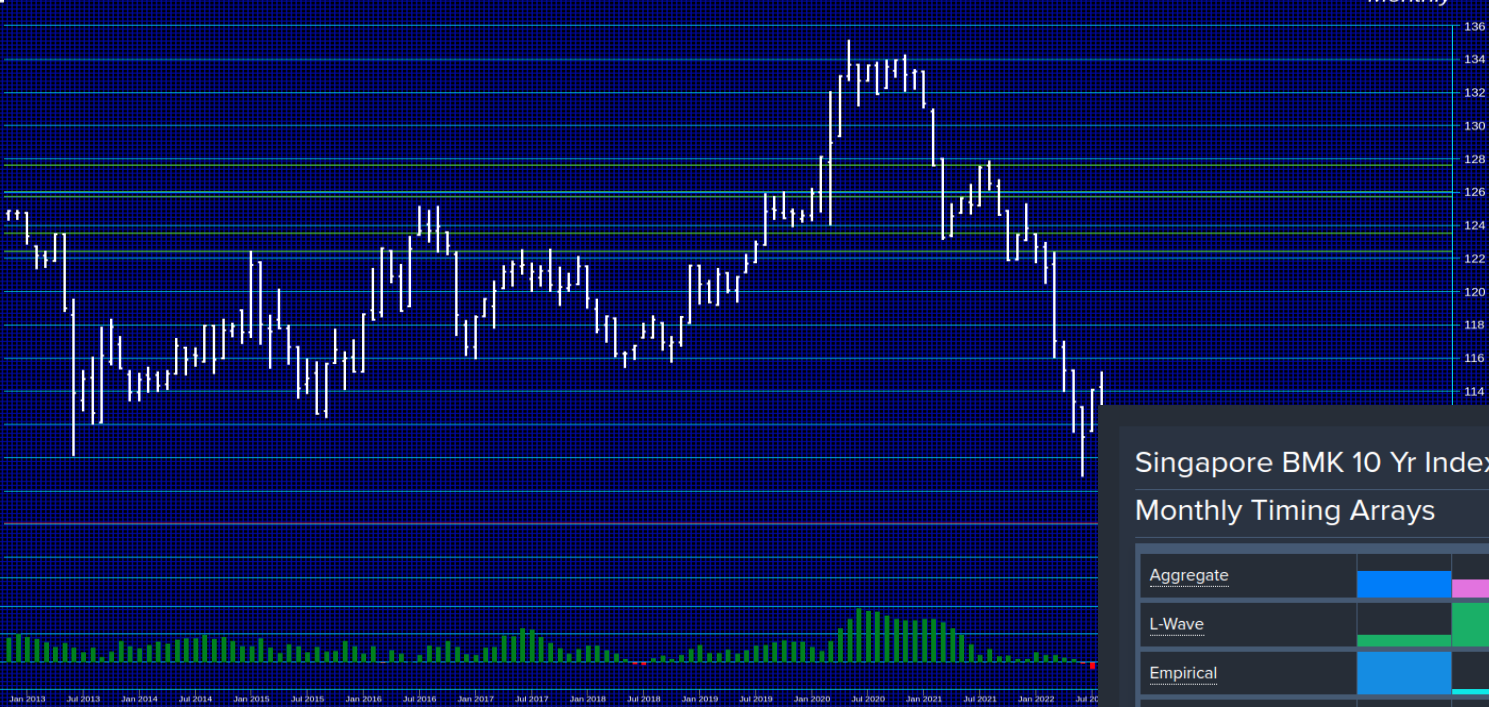
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	126.03	99.30	
	135.20	99.10	

## Singapore BMK 10 Yr Index Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025

# SINGAPORE 10-YR (as of MONTHLY close – Oct 2022)

Singapore BMK 10 Yr Index (BMSG10Y)  
Expressed in Unknown



Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
125.70	122.40	99.70	106.01
126.00	123.50	99.30	99.10
127.60			

## Singapore 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

# JAPANESE 10-YR (as of YEARLY close – 2021)

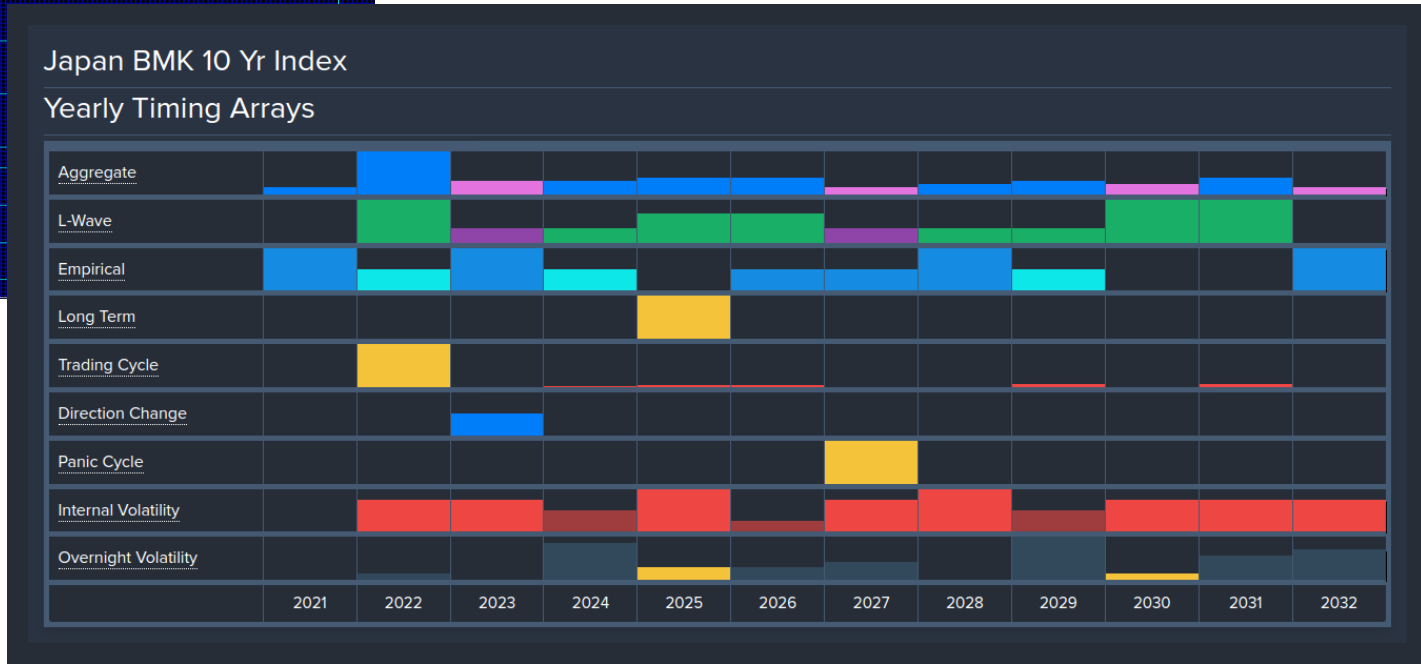


### Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		166.30	120.30
		156.50	114.50
		130.08	

### Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Bullish	Bullish





# JAPANESE 10-YR (as of QUARTERLY close – Sept 2022)



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
173.50	174.50	170.20	170.10
174.20	178.20	170.03	162.04
177.30			161.70

## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Neutral

## Japan BMK 10 Yr Index Quarterly Timing Arrays

	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

# JAPANESE 10-YR (as of MONTHLY close – Oct 2022)



### Monthly Reversals

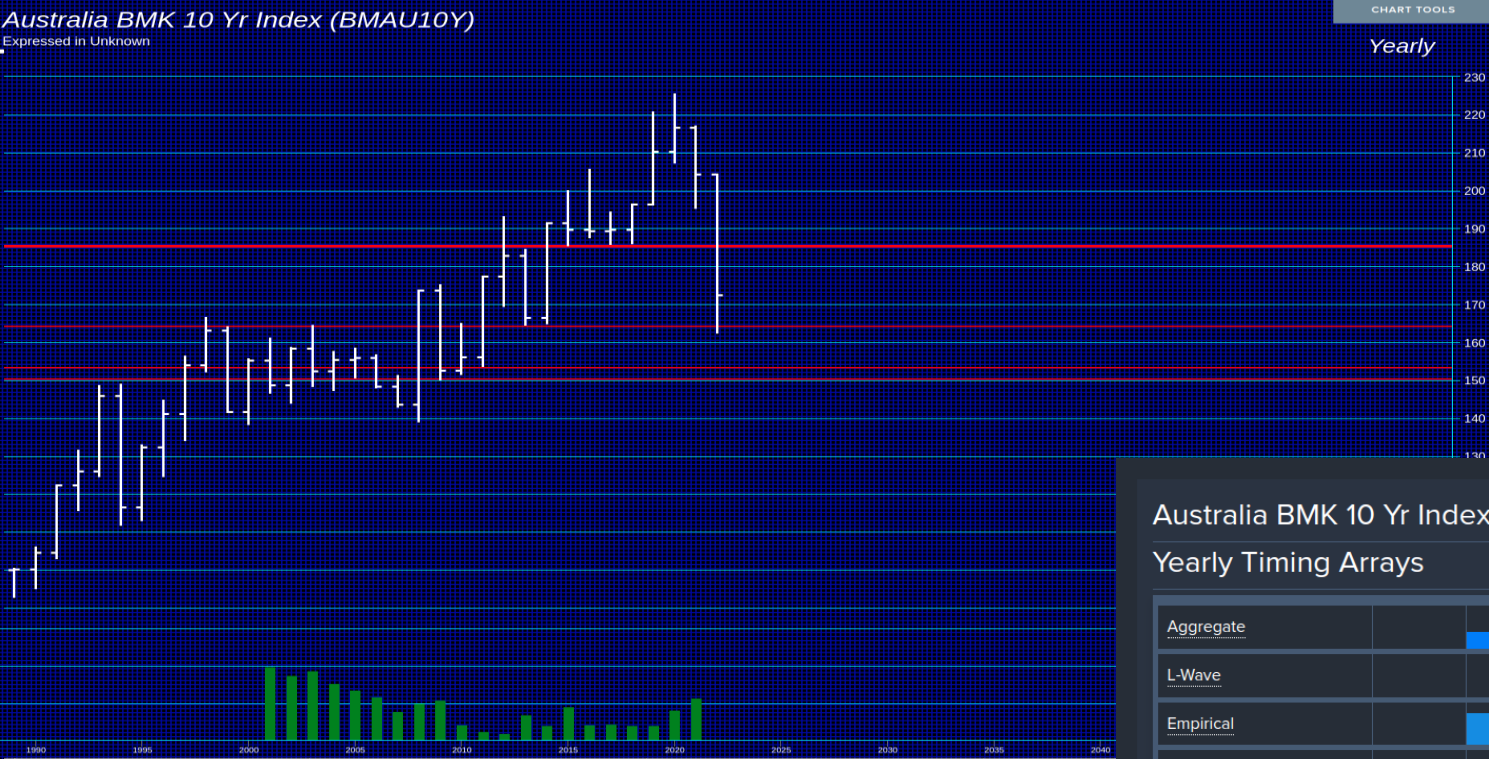
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
173.00	173.40	170.40	170.30
173.80	174.05	170.00	170.20
	174.08		170.03

### Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Bullish	Bearish	Bearish



# AUSTRALIAN 10-YR (as of YEARLY close – 2021)



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		185.50	164.30
		185.20	153.40
			150.40

## Australia BMK 10 Yr Index Yearly Timing Arrays

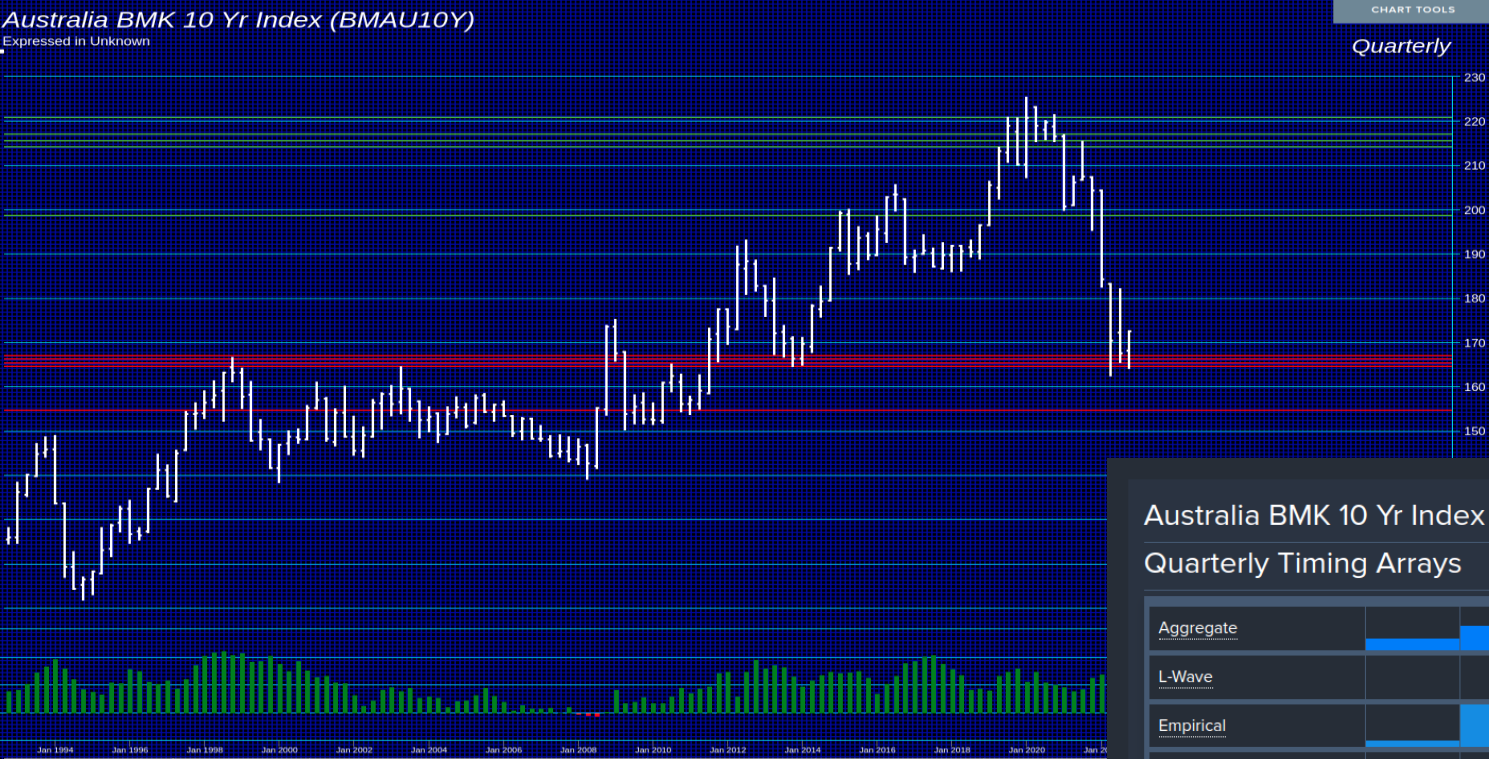
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032

## Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Bullish	Bullish



# AUSTRALIAN 10-YR (as of QUARTERLY close – Sept 2022)



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
198.60	220.80	167.00	165.40
214.20		166.30	164.60
215.50			154.60
217.10			

## Australia BMK 10 Yr Index Quarterly Timing Arrays

	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024	Jul-2024	Oct-2024	Jan-2025	Apr-2025
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

# AUSTRALIAN 10-YR (as of MONTHLY close – Oct 2022)

Australia BMK 10 Yr Index (BMAU10Y)  
Expressed in Unknown



Monthly Indicating Ranges			
Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
196.60	204.80		167.30
204.40	214.00		164.30
	218.50		162.80
			158.50
			158.40

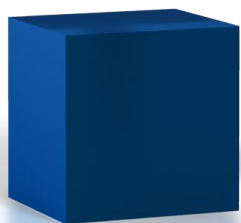
## Australia BMK 10 Yr Index Monthly Timing Arrays

	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												

# THANK YOU



# Take Away 2022







# 2022 Crisis Summary

Only gets crazier from here

1

US\$ strength & International Capital Flow Dollar's demise by 2028

2

Oil and Energy and geopolitical implications will lead to breakup of EU & Civil Unrest

3

Rising Rates impacts Emerging markets & Sovereign Debt adds to Monetary Crisis Digital Currencies

4

Pension crisis as seen in UK & bond market decline liquidity Crisis began with REPO September 2019.