

# World Economic Conference

2022



## Climate Change War

The Cover-Up for the Sovereign Debt Crisis

# 2022 Crisis Summary

Only its crazier from here

1

US\$ strength & International Capital Flow

2

Oil and Energy and geopolitical implications

3

Sovereign debt crisis, Monetary crisis, Emerging markets and how this is threatening the west as rates rise.

4

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

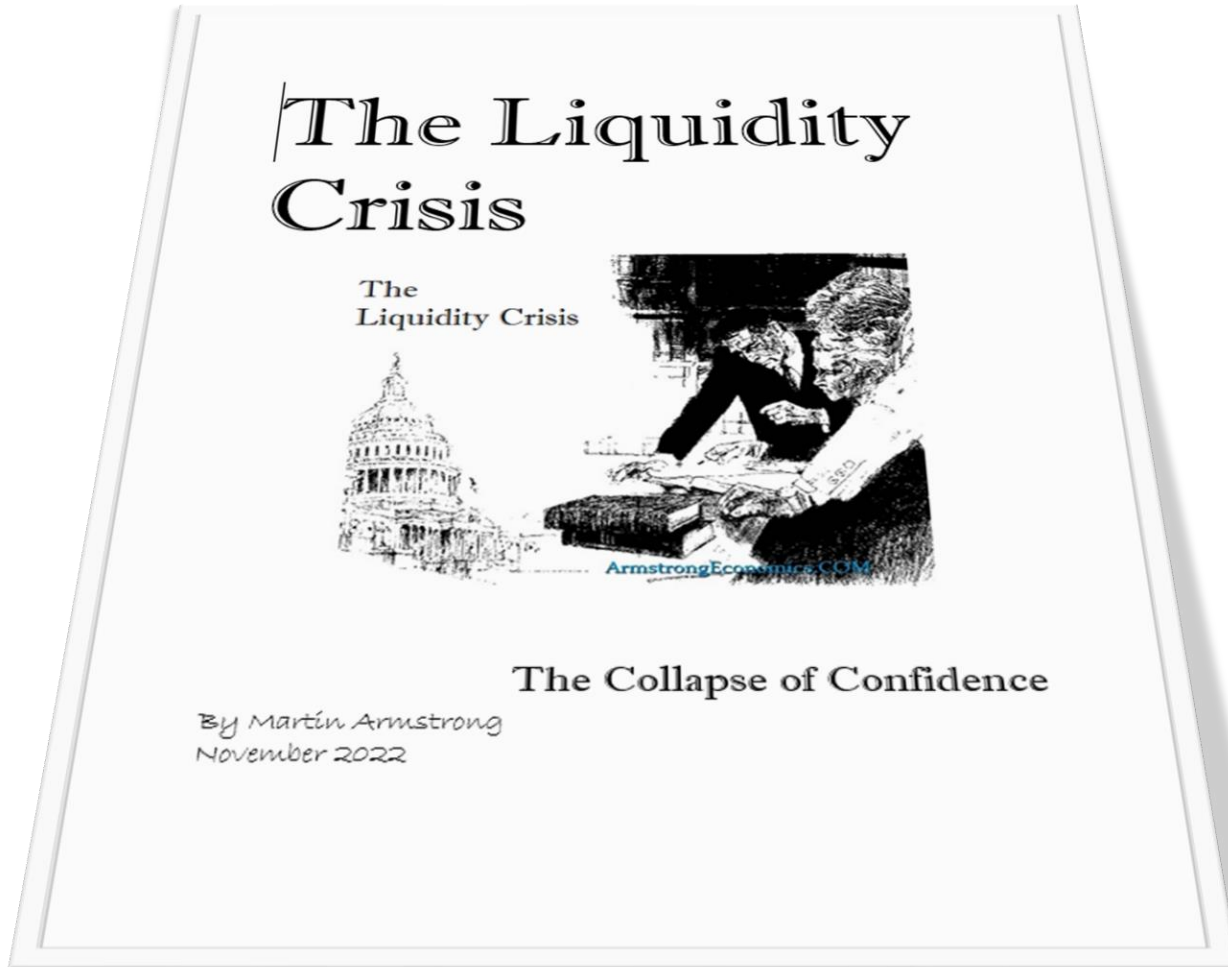
The background of the slide features a sunset scene with silhouettes of industrial structures, possibly oil rigs or offshore platforms, against a bright orange and yellow sky. The structures are dark and detailed, showing lattice work and vertical towers.

# ReCap

## Liquidity Crisis

- Climate Change War escalating Inflation
- Inflation paralyzes central banks
- Interest Rates are the only tool they have
- Collapse in Emerging Markets Debt
- Inability of EU To Funds Endless Expenditures
- Lack of Buyers of Long-Term Debt
- Rush to Short-term increases volatility on Debt
- New Debt Beyond Capacity of Primary Dealers to buy
- Explosion in Debt from reckless spending on COVID
- Explosion of Debt from Ukrainian War v Russia
- Inevitable Default of Sovereign Debt

# Liquidity Crisis



The Mother of All Crises  
Nobody Will Discuss

This was the first crack like 1964 removal of silver, then 2-tier gold in 1968, and the final demise in 1971 of Bretton Woods.

# 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

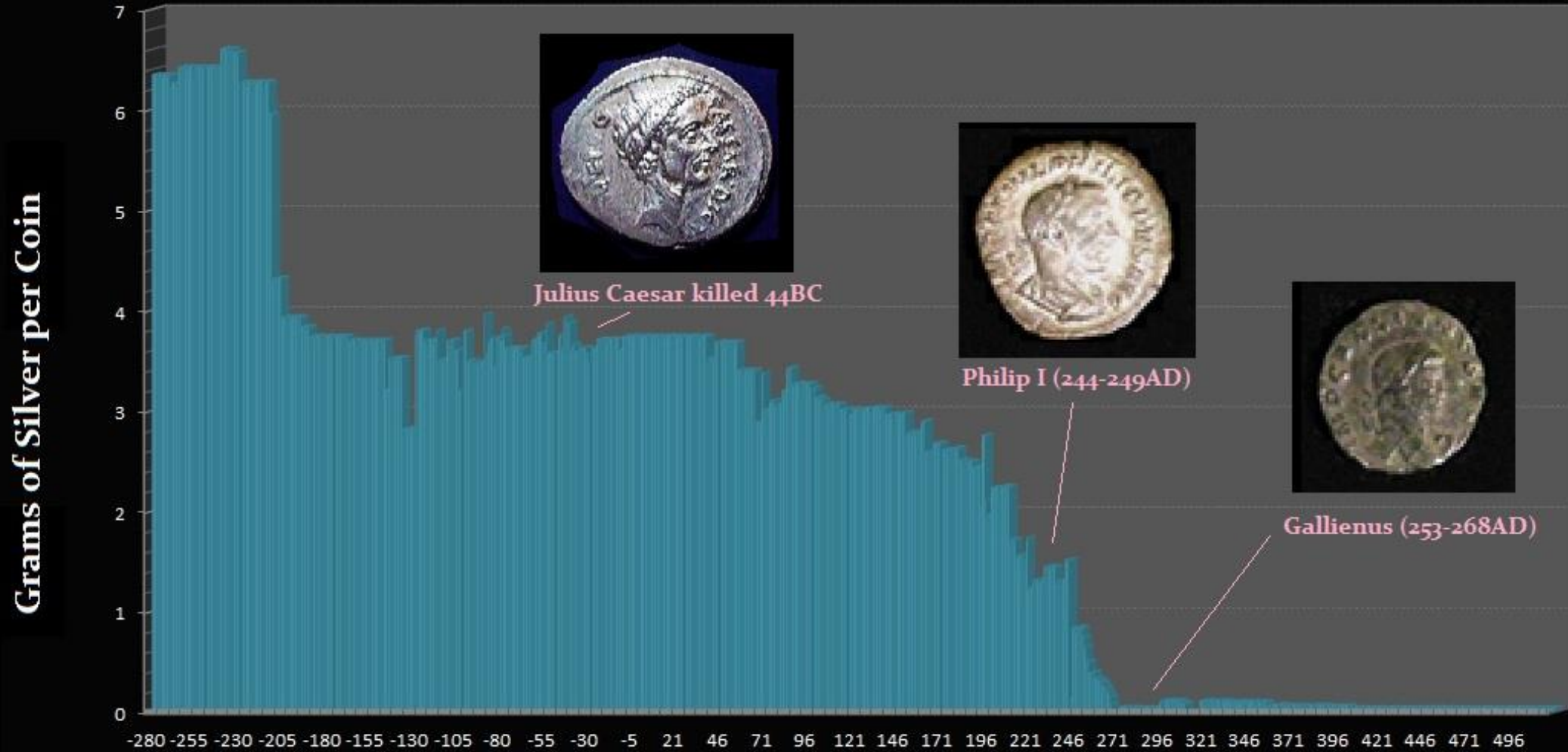
2019.679 - 2028.279



# **Fate of the Dollar 2028**

ArmstrongEconomics

# Decline & Fall of the Roman Silver Monetary System 280BC - 518AD



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## Massive Debasement of Gallienus (258-268AD)

(Between 260 and 268AD 8.6 years)



260AD



261AD



262AD



263AD



264AD

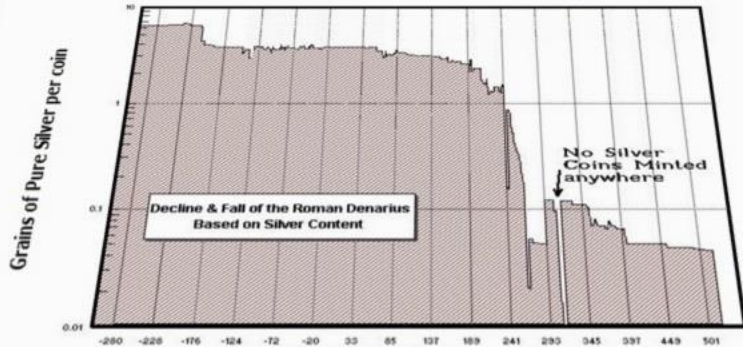


268AD

Bronze Silver Plated Issues post 262AD

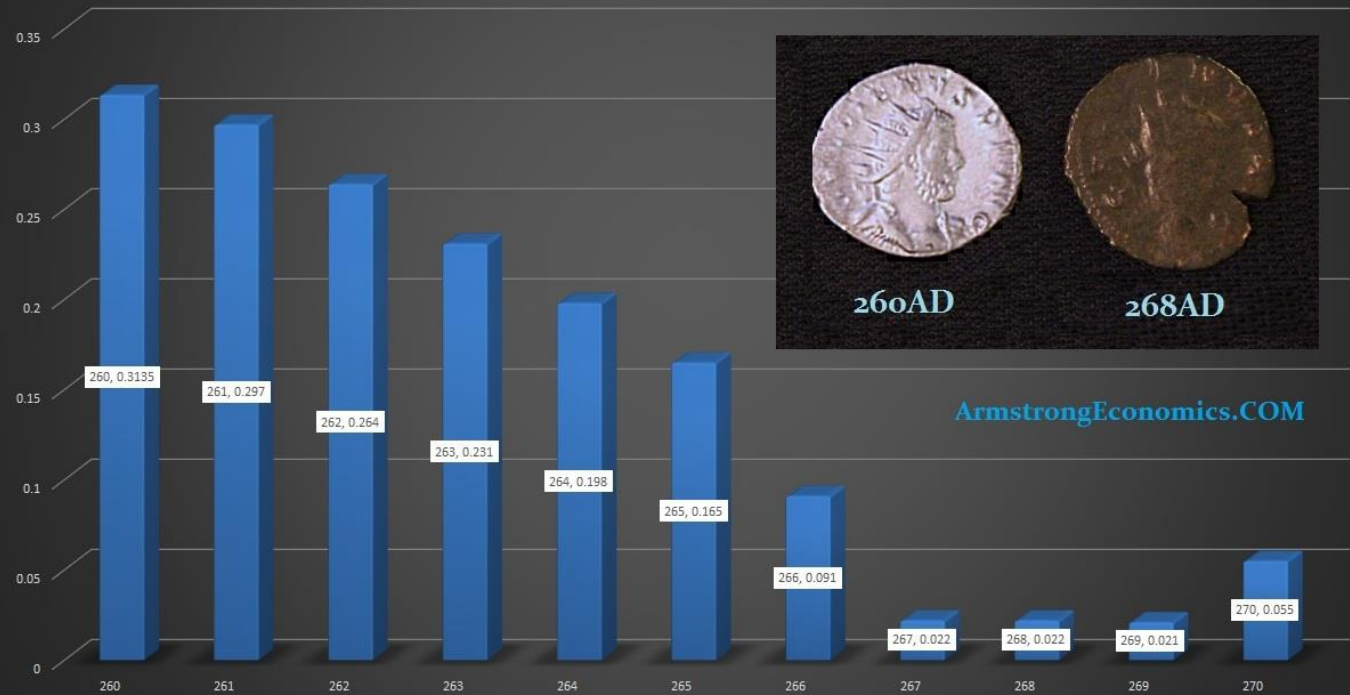
## Collapse of the Roman Silver Monetary System

Silver Denarius Basis - 280 BC - 518 AD



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## Collapse of Roman Silver Denarius 8.6 Years (261-269AD)

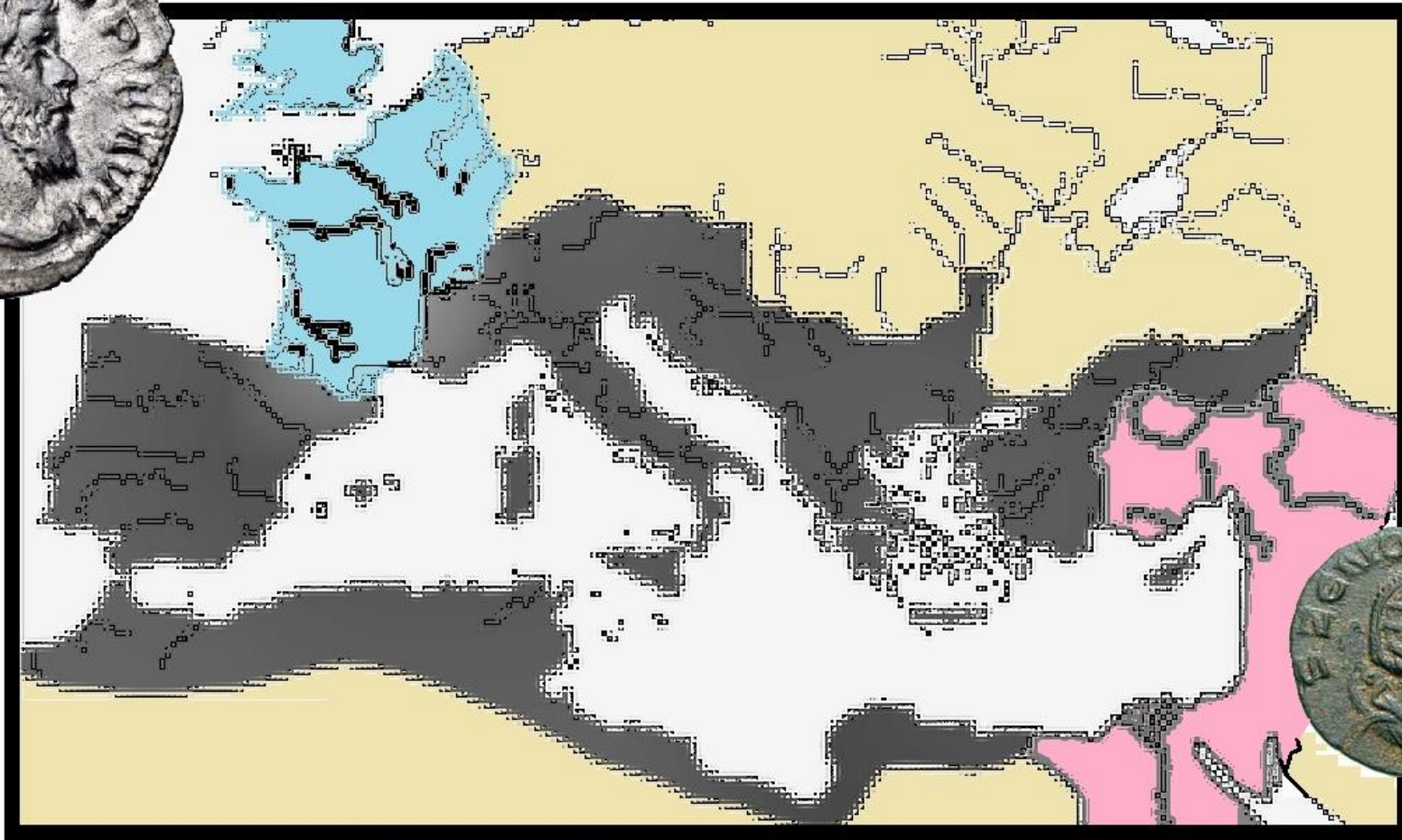


ArmstrongEconomics.COM





Postumus  
(260-269AD)



Zenobia, Queen  
of Palmyra  
(267-274AD)

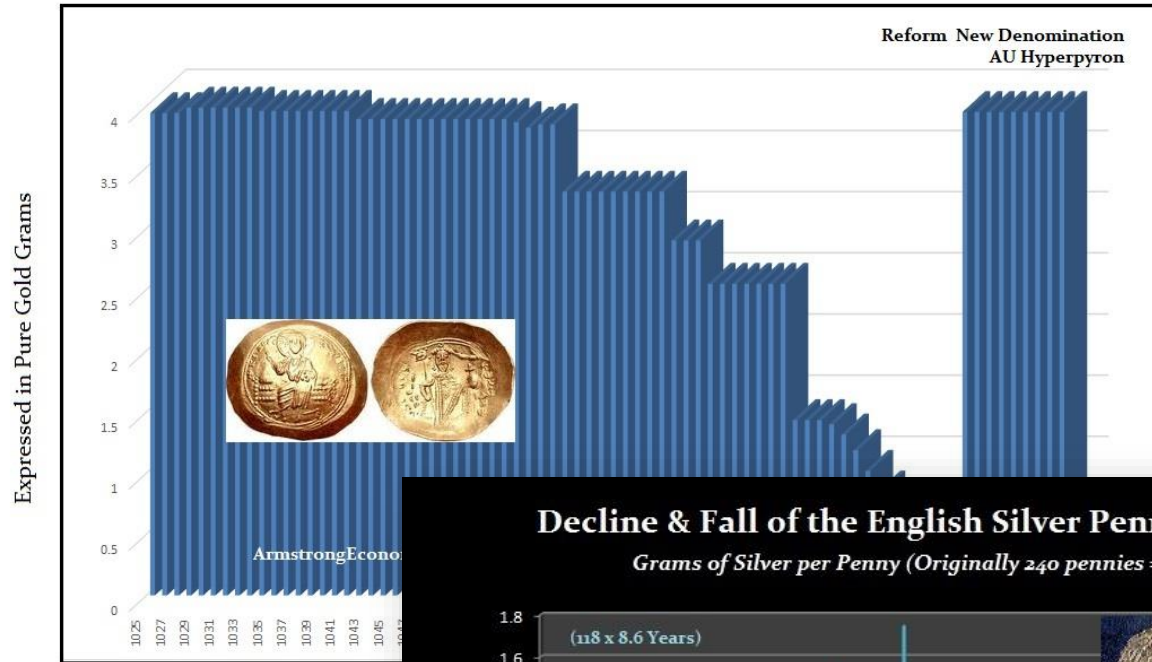
Gallic Empire

Roman Empire

Palmyrene Empire

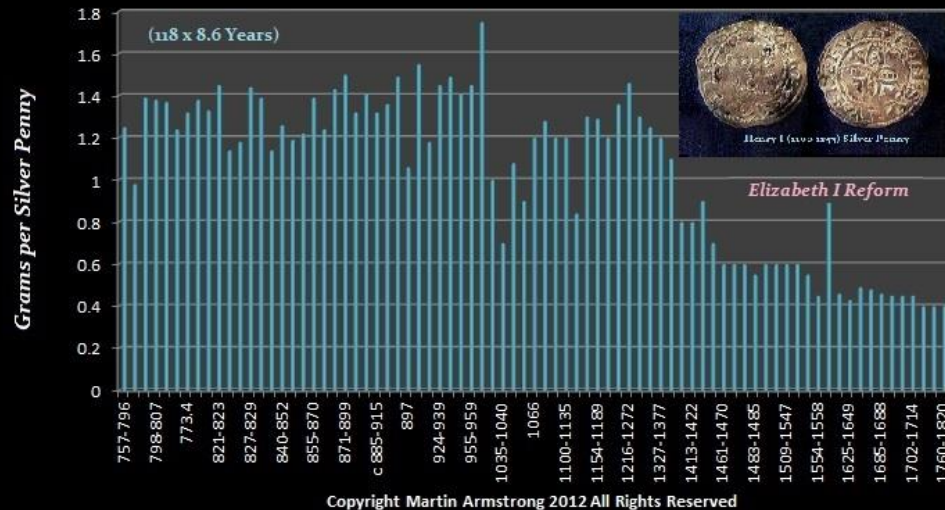
# Byzantine Great Monetary Crisis of 1092AD

## Gold Content of the Histamenon Nomisma



# Decline & Fall of the English Silver Penny (782-1797AD)

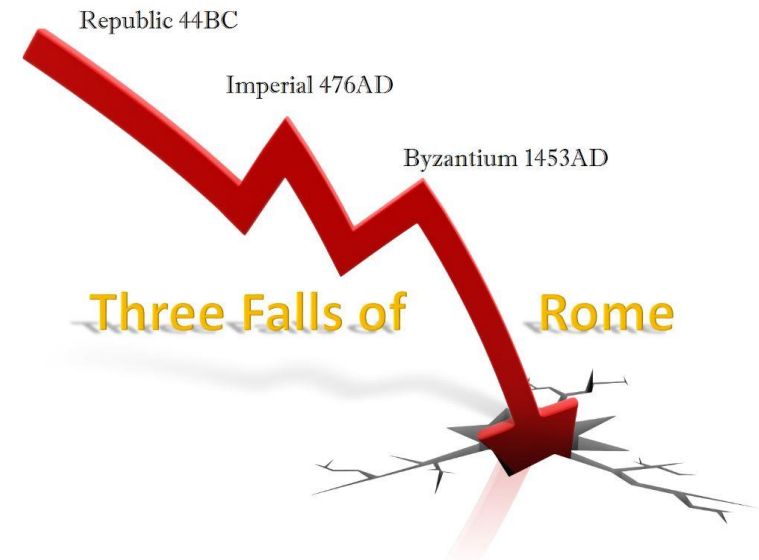
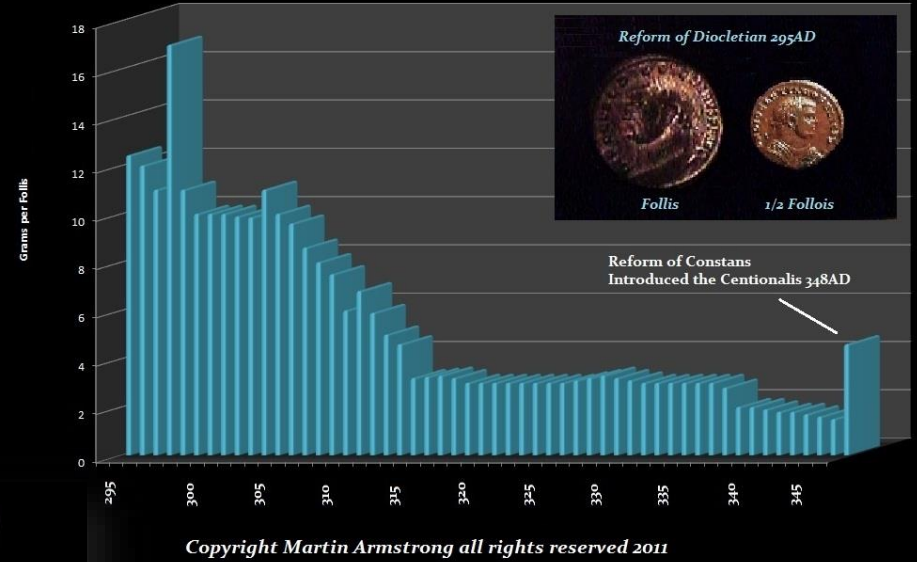
## Grams of Silver per Penny (Originally 240 pennies = Pound)



The English Silver Penny was the Restoration of the Roman Silver Denarius

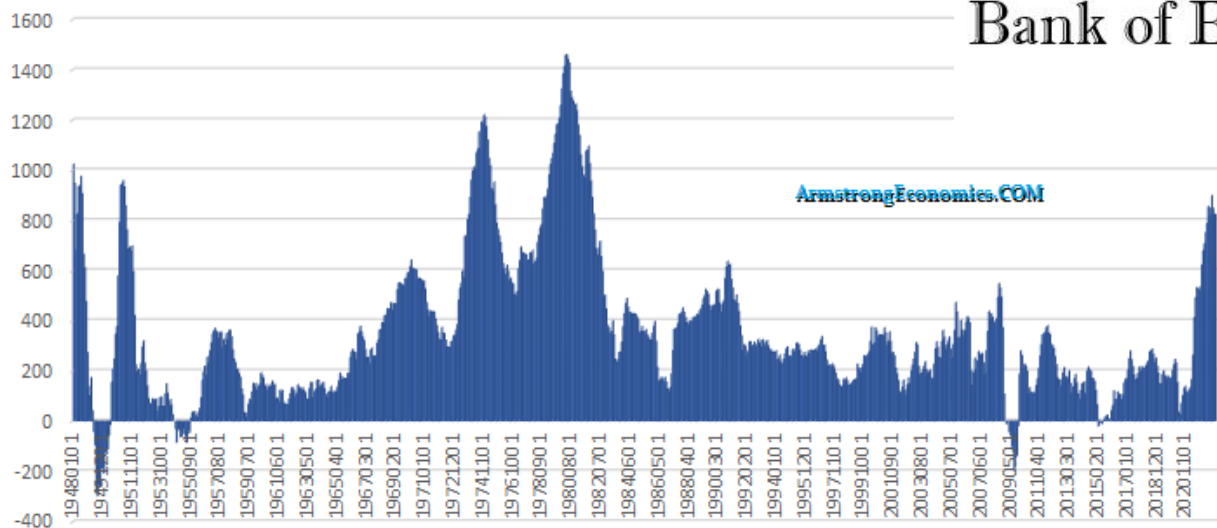
# 52 Year Decline of the Roman Bronze Follis 295-348AD

## Reform of Diocletian 295AD - Reform of Constans 348AD





US Annual CPI rate Monthly



Bank of England Warns Longest Recession in 100 years is upon us

**2028 End is Here**

Unfortunately, all good things come to an end. We are looking at the Decline and Fall of the United States that it appears we are going to see a major political crisis by 2028. The US will not be extinguished at that point in time. There will appear separatist movements that will probably last into 2030. There will be most likely an attempt to restore what once was between 20230 into 2032.





The Climate Change War?

# Al Gore's Crisis in Democracy

THE HILL

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TH

## Al Gore: America must address 'democracy crisis' to solve climate crisis

BY JARED GANS - 07/23/22 4:13 PM ET



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TWEET



Al Gore said fixing issues with American democracy is necessary to properly address climate change. Public sentiment on climate issues is changing in favor of supporting urgent action, but a “broken” democracy is preventing progress from happening.

“In order to solve the climate crisis, we’re going to have to pay attention to the democracy crisis.” The Senate’s filibuster, which requires most legislation to receive 60 votes to advance, should be eliminated and that “big money” plays too influential a role in politics.



# An Inconvenient Verdict for Al Gore

Win some, lose some? U.K. court cites errors in "An Inconvenient Truth."

By MARCUS BARAM

February 12, 2009, 2:46 PM

[Share](#)

Oct. 12, 2007 &#151; -- The verdict couldn't have come at a less convenient time for Al Gore.

One day before Friday's announcement that he was a co-winner of the Nobel Peace Prize, a British High Court judge ruled that Gore's global warming film, "An Inconvenient Truth," while "broadly accurate," contained nine significant errors.



An Inconvenient  
Truth  
2006



An Inconvenient  
Sequel: Truth ...  
2017

# Exploitation of Greta



Both traveling home from #Davos by train not private jet. Both determined to do #WhateverItTakes and turn anger into action. Thank you for your leadership, Greta. [greenpeace.org/international/](https://www.greenpeace.org/international/) ... #wef19 #ClimateAction #FridaysForFuture





## GOP Questions Gore-Russia Deal

By ABC News

[Share](#)

Oct. 17, 2000 -- Republicans are questioning why Al Gore did not tell Congress about Russia's nuclear dealings with Iran, after Russian Prime Minister Viktor Chernomyrdin informed the vice president about them in 1995.

Late this afternoon, John Czwartacki, spokesman for Senate Majority Leader Trent Lott, told ABCNEWS the Senate was considering launching an investigation into the matter, after a December 1995 letter from Chernomyrdin to Gore on the subject was made public today in the Washington Times.

Chernomyrdin, Vice President Al Gore and Russian Prime Minister Viktor Chernomyrdin met on October 6 and 7 for the eighth session of the U.S. Russian Joint Commission on the Cooperation in Arms Control, commonly known as the Gore Chernomyrdin Commission. The U.S. and Russia signed a joint statement on nuclear materials cooperation and arms control related matters, such as implementation of the 1991 Moscow Agreement.

# Russia Largest Producer



New study from Adelaide University finds a massive pro-Ukraine information war on [@Twitter](#) with US and Ukrainian bot armies posting millions of anti-Russia tweets and intimidating free thinking people who swim against the US propaganda stream.



[declassifiedaus.org](http://declassifiedaus.org)

MASSIVE ANTI-RUSSIAN 'BOT ARMY'  
EXPOSED BY AUSTRALIAN RESEARCHERS - ...

**This Has  
Been  
Deliberate**



# NY Crude Oil Futures

## Price Targets

Sat., Jan. 1, 2022

Uptrend.... 0  
 Downtrend.. 0  
 Line #1.... 8406  
 Line #2.... 00  
 Line #3.... 00  
 Line #4.... 00  
 Line #5.... 00

## Yearly

176

151

126

101

760

Monthly

Bullish

10920

Bearish

6242 (DOUBLE)

5163

1926

Yearly

Bullish

11225

9930

7690

Bearish

3220

3120

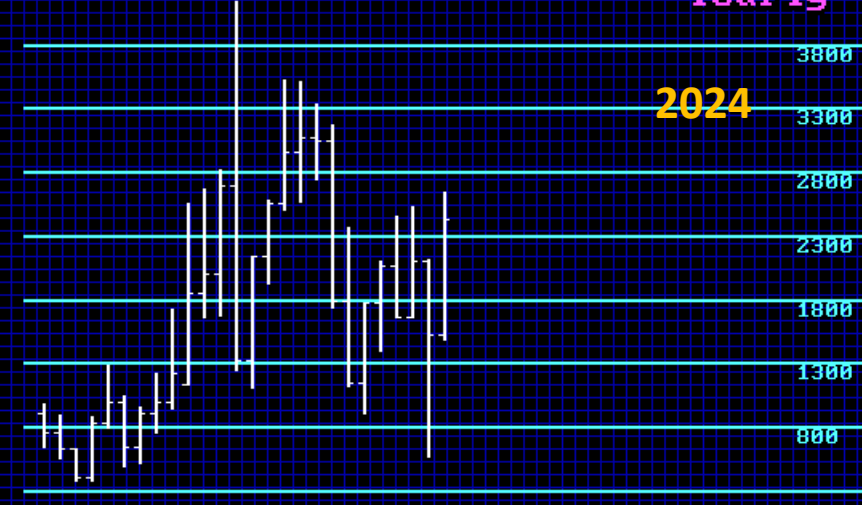
## Yearly NY Crude Oil Futures

Composite												
Comp-II												
Empirical												
Long-Term												
Trading Cycle												
Alpha Cycle												
Beta Cycle												
Directional Change												
Panic Cycle												
Volatility												
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032

2023

# Diesel Fuel Cash (EIA)

Yearly



We elected 3 Yearly Bullish Reversals since 2020.

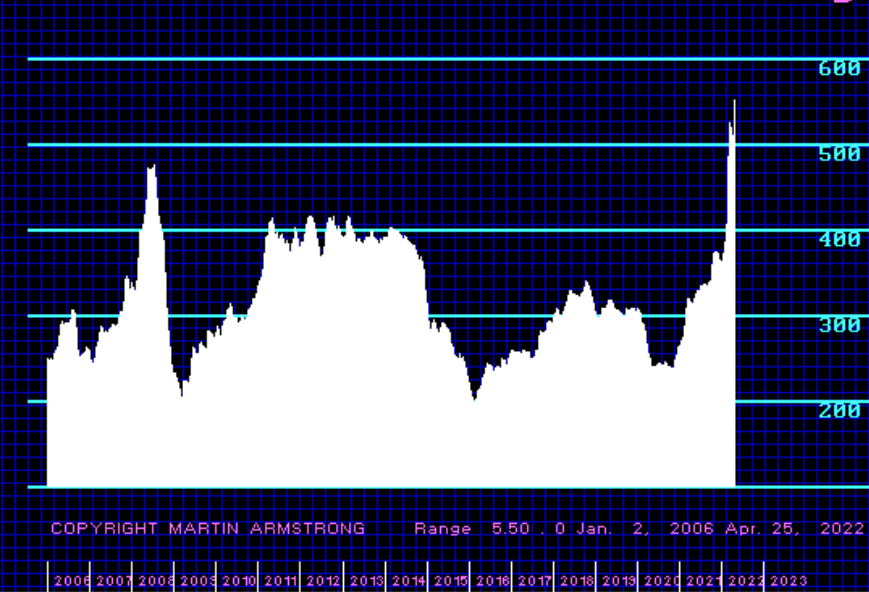
**Close Above 2818**  
**Retest of high by 2024**

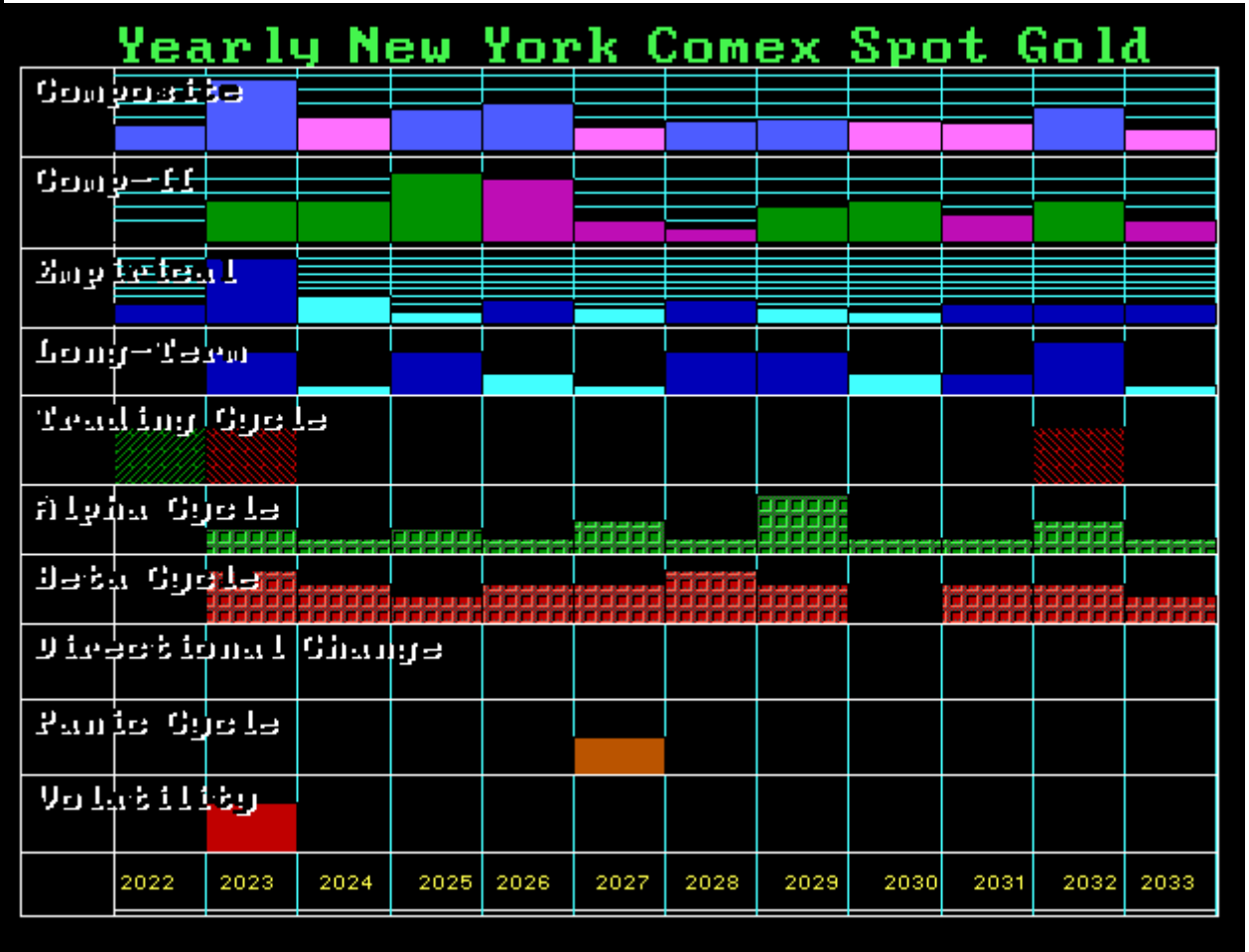
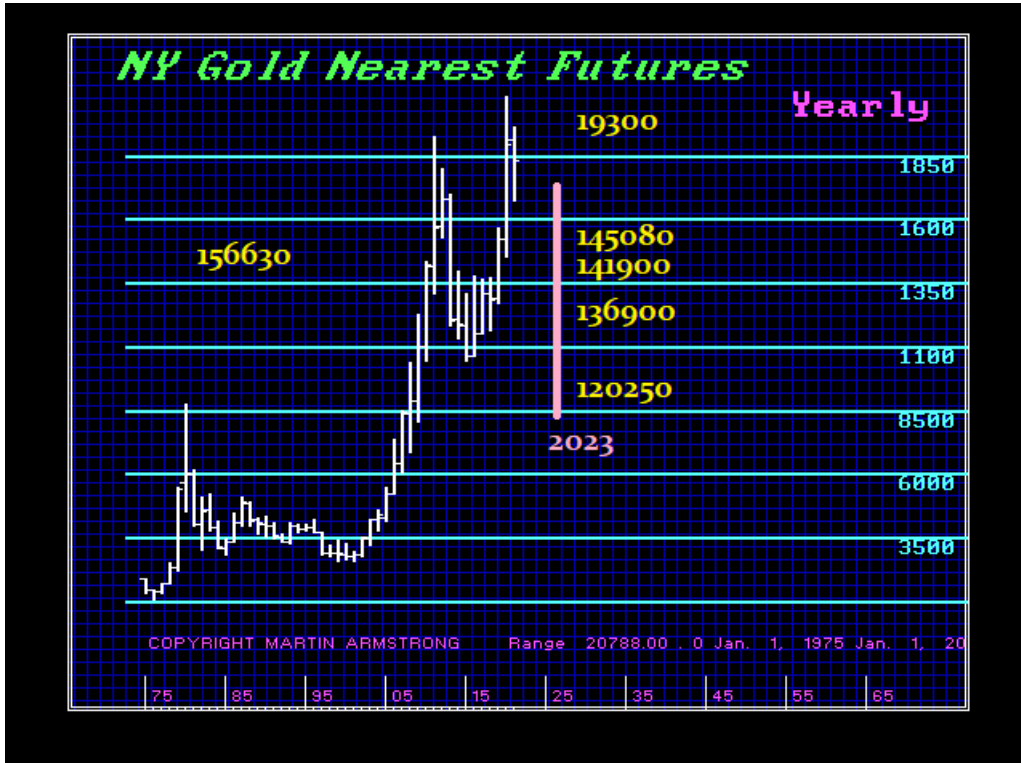
## Yearly Diesel Fuel Cash (EIA)

Composites												
Comp-II												
Empirical												
Long-Term												
Trading Cycle												
Alpha Cycle												
Beta Cycle												
Directional Change												
Panic Cycle												
Volatility												
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032

# Diesel Fuel Cash (EIA)

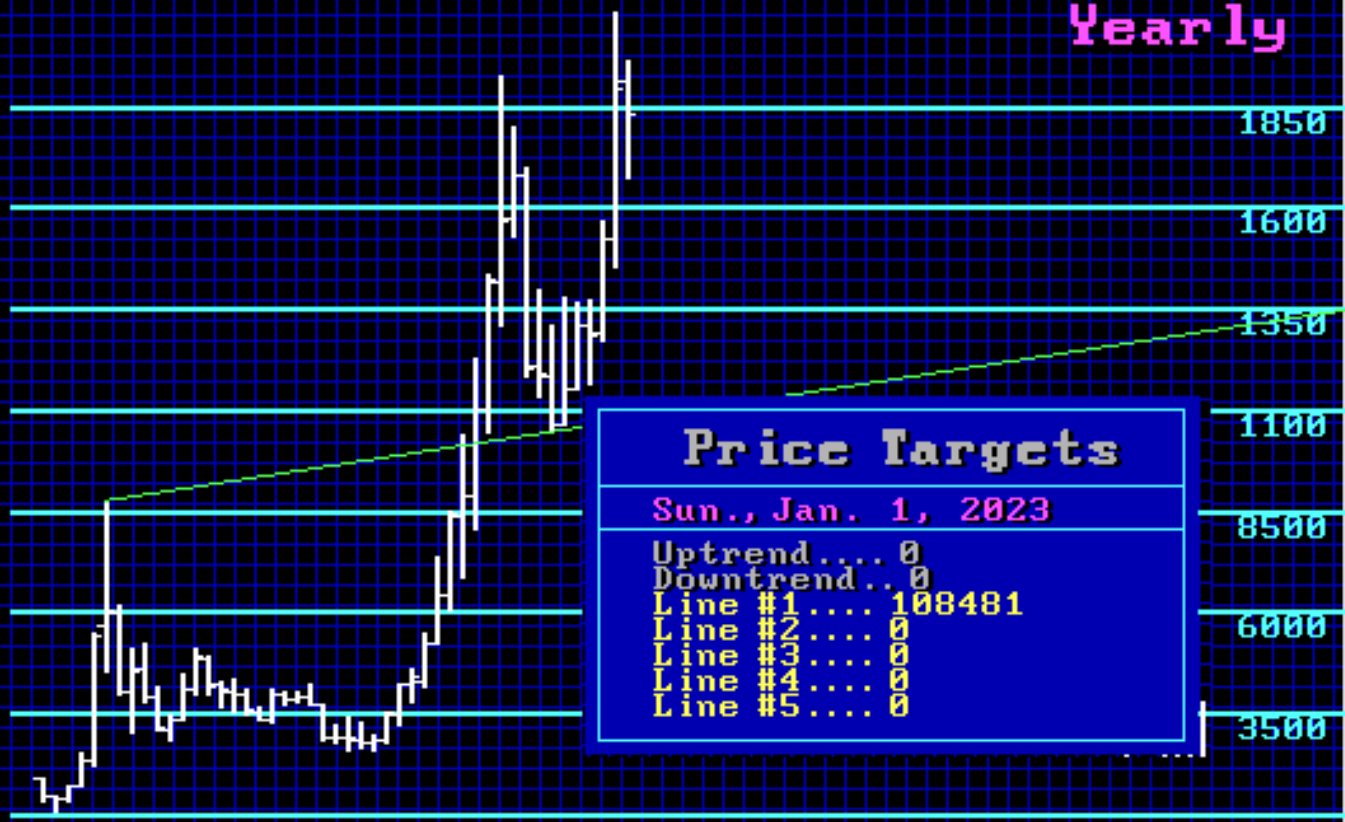
Weekly





# NY Gold Nearest Futures

Yearly



Price Targets	
Sun., Jan. 1, 2023	
Uptrend....	0
Downtrend..	0
Line #1....	108481
Line #2....	0
Line #3....	0
Line #4....	0
Line #5....	0

COPYRIGHT MARTIN ARMSTRONG Range 20780.00 1016.00 Jan. 1, 1975 Jan. 1, 2023

75 85 95 05 15 25 35 45 55 65

# Euro Adjusted Spot (EURUSD)

Expressed in US Dollar

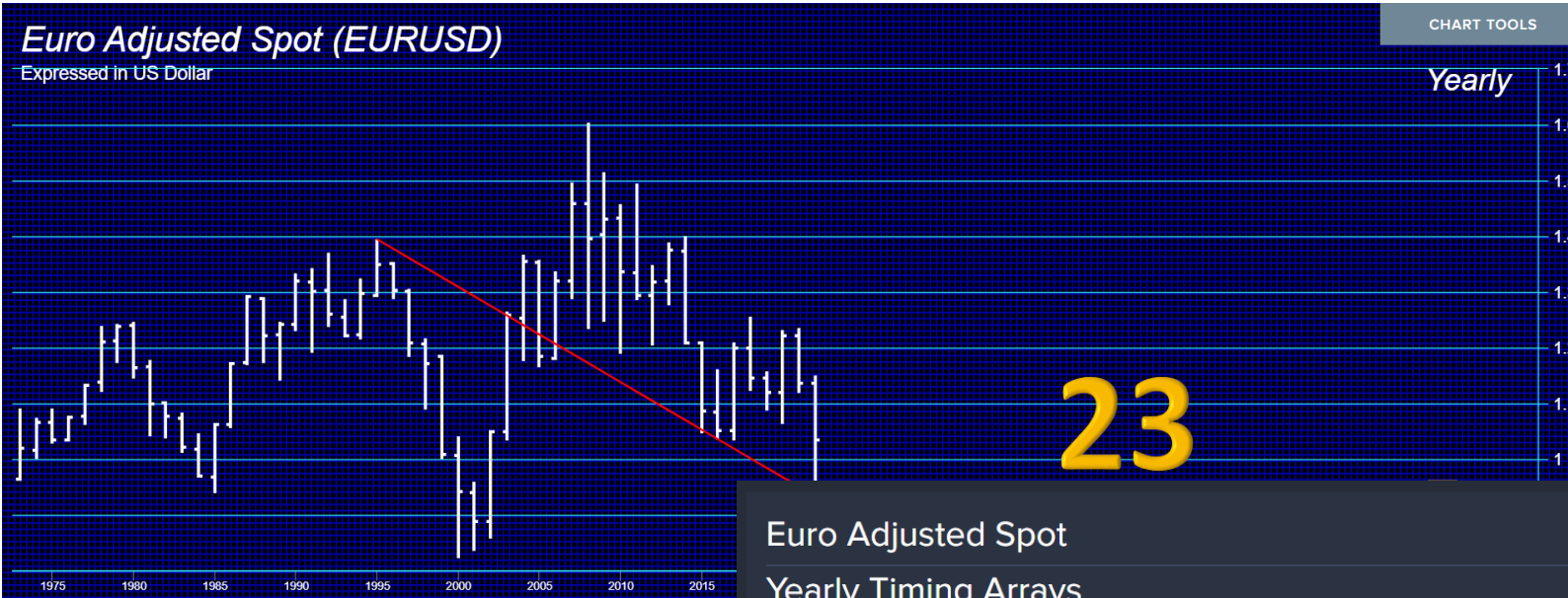


CHART TOOLS

Yearly

Monthly  
Bullish  
12540

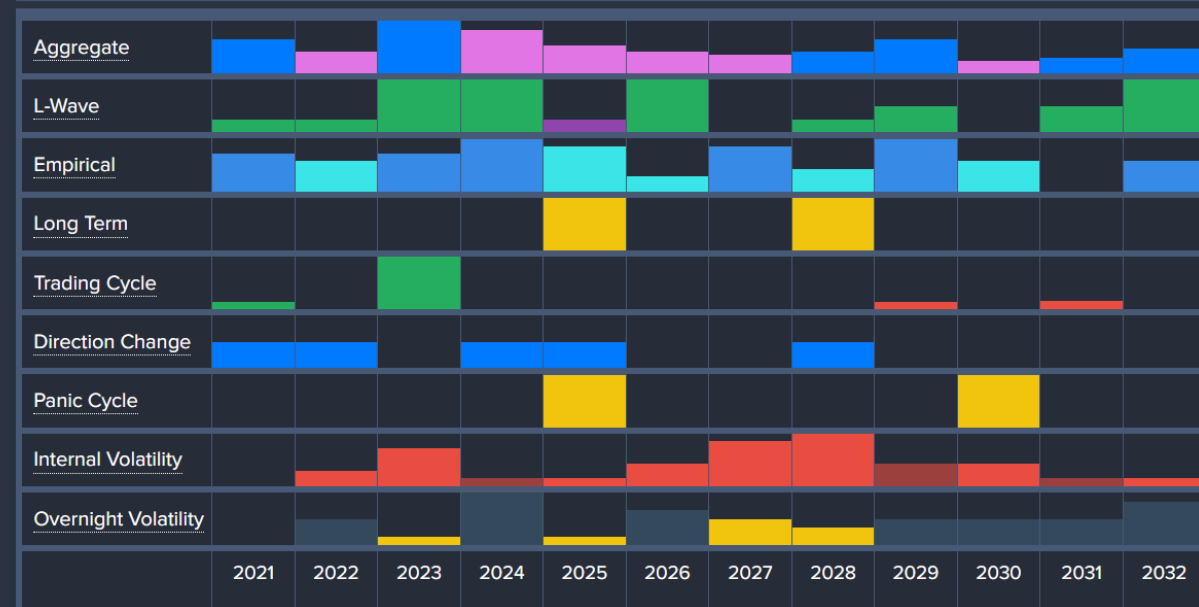
Bearish  
10878  
10635

Yearly  
Bull  
15000  
13993  
13047

Bearish  
10890  
10274  
10340

## Euro Adjusted Spot

### Yearly Timing Arrays



Quarterly  
Bullish  
13900  
13690

Bearish  
10570  
10490  
10352

27

# US - Dow Jones Industrials Index (DJIA)

Expressed in US Dollar

Price Targets

Mon Jan 01 2024

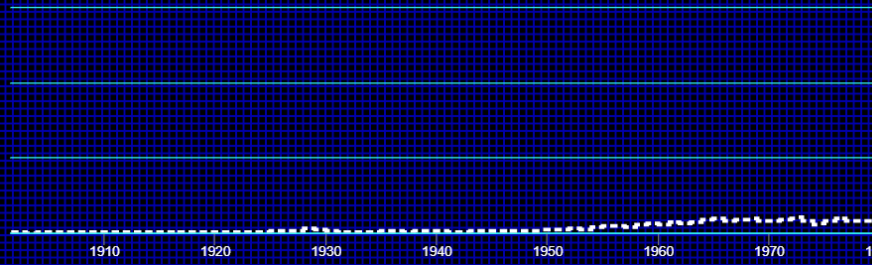
Tech 1	41334.4847
Tech 2	29745.1736

CHART TOOLS

Yearly

40k  
35k  
30k  
25k  
20k

# DOW



## US - Dow Jones Industrials Index Yearly Timing Arrays

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Aggregate	Blue	Blue	Pink	Blue	Pink	Blue	Blue	Pink	Pink	Pink	Blue	Blue
L-Wave	Green	Green	Purple	Green	Black	Green	Green	Purple	Black	Black	Black	Green
Empirical	Blue	Cyan	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Cyan
Long Term	Yellow	Yellow	Black	Yellow	Yellow	Yellow	Yellow	Black	Black	Black	Yellow	Orange
Trading Cycle	Black	Black	Green	Black	Black	Black	Black	Black	Black	Black	Black	Green
Direction Change	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
Panic Cycle	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Yellow
Internal Volatility	Black	Red	Brown	Red	Red	Brown	Red	Brown	Red	Red	Red	Brown
Overnight Volatility	Black	Black	Black	Black	Blue	Yellow	Blue	Blue	Blue	Blue	Blue	Yellow

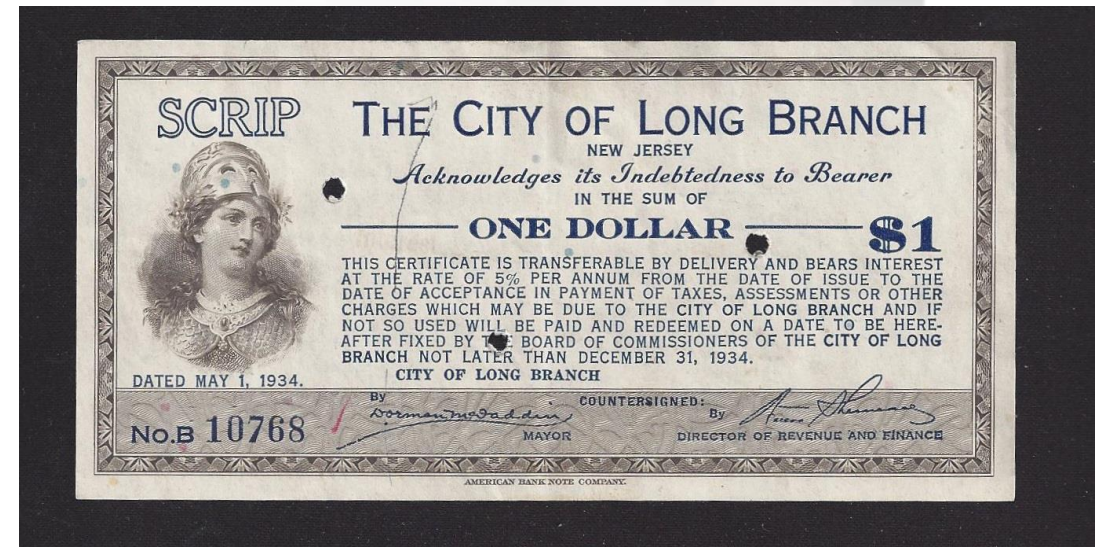
Major Yearly Support  
35125





2028

# Regional Currencies Return?

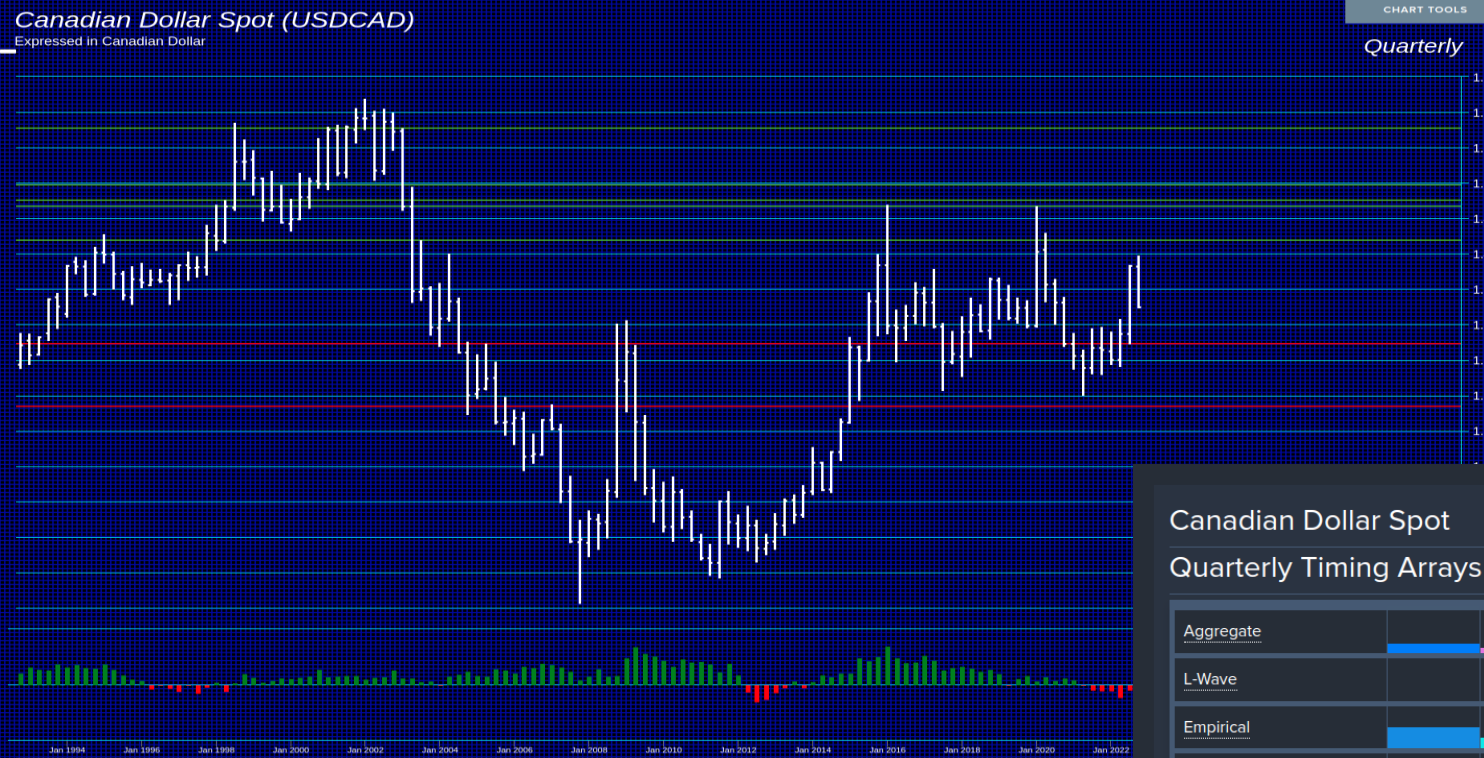


# GLOBAL CURRENCY

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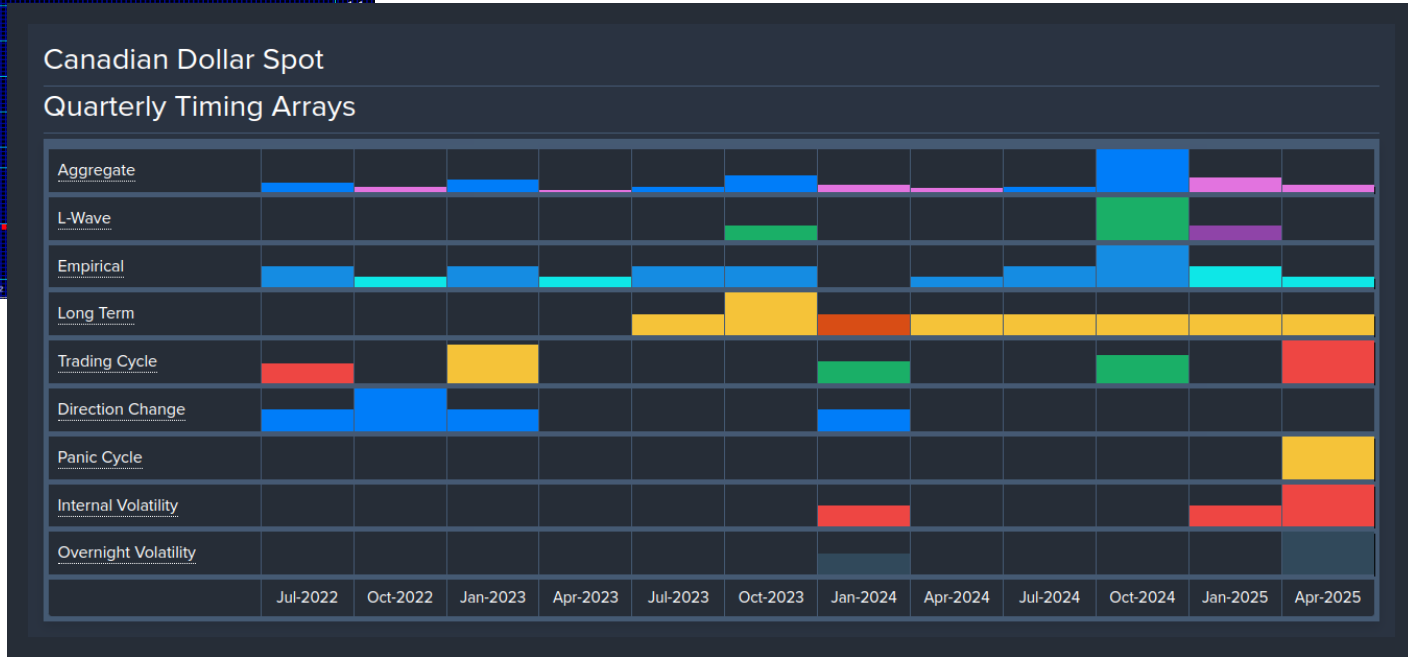
2022 WEC Global Markets Overview

# 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		

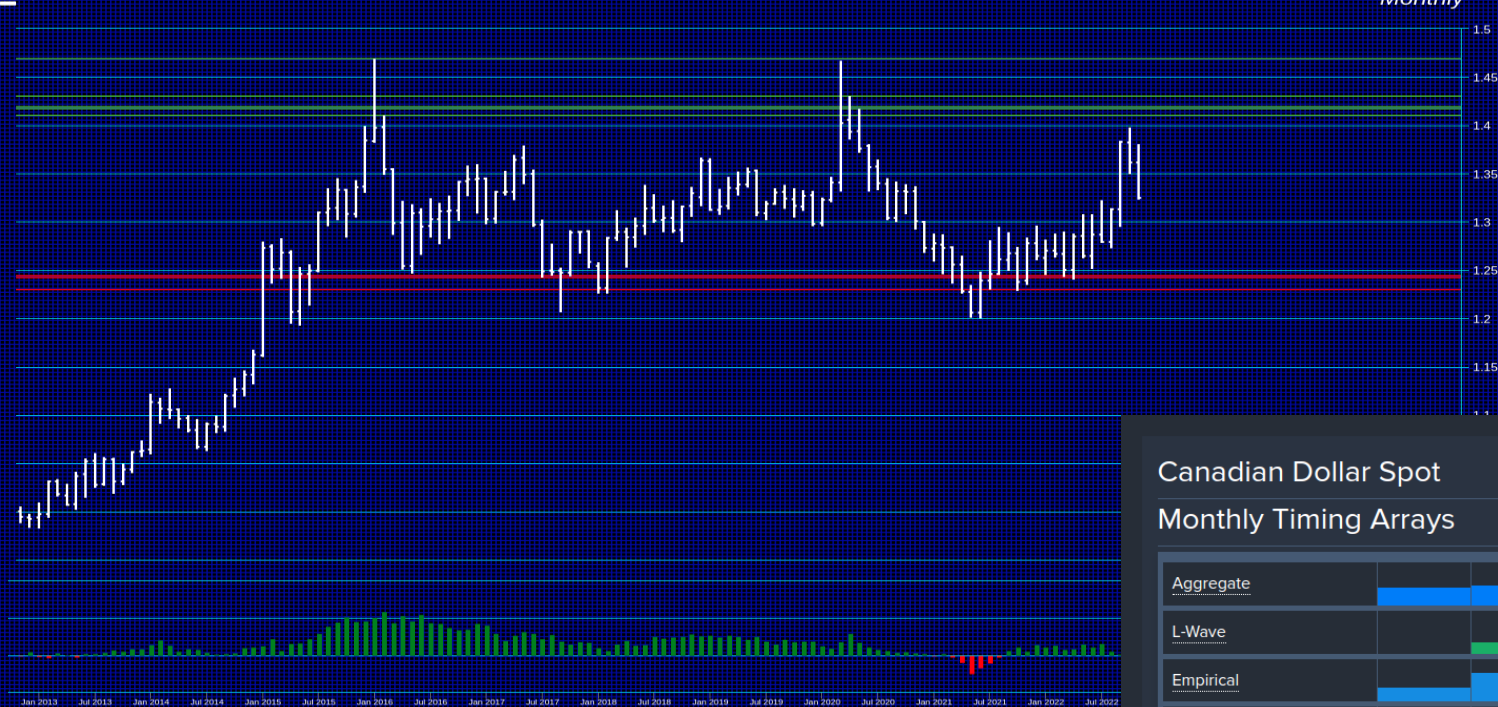


### Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Neutral

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

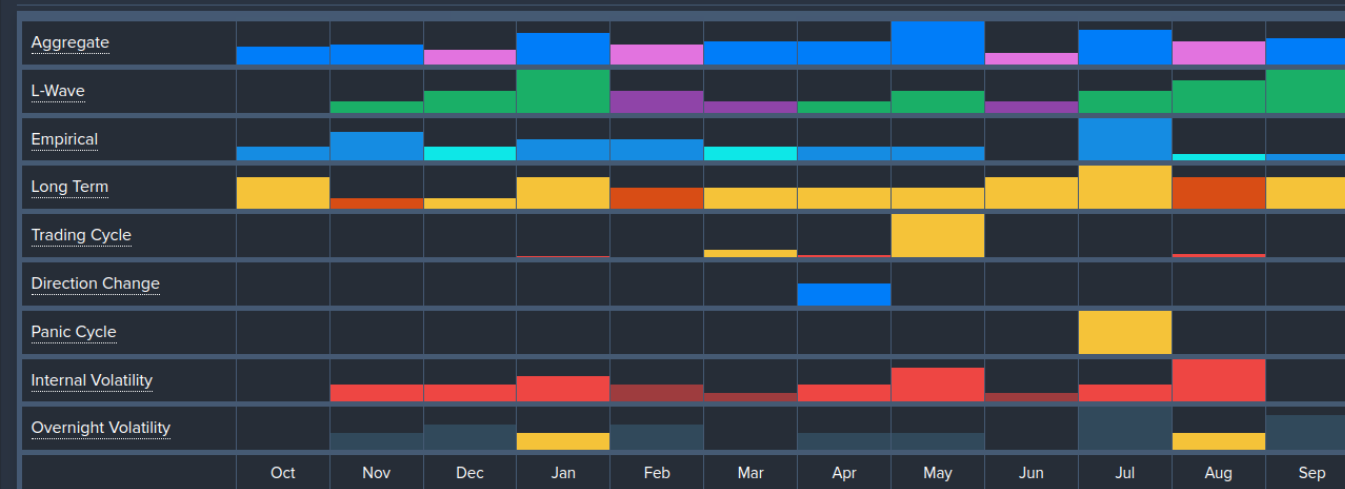
Canadian Dollar Spot (USDCAD)  
Expressed in Canadian Dollar



## Monthly Reversals

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

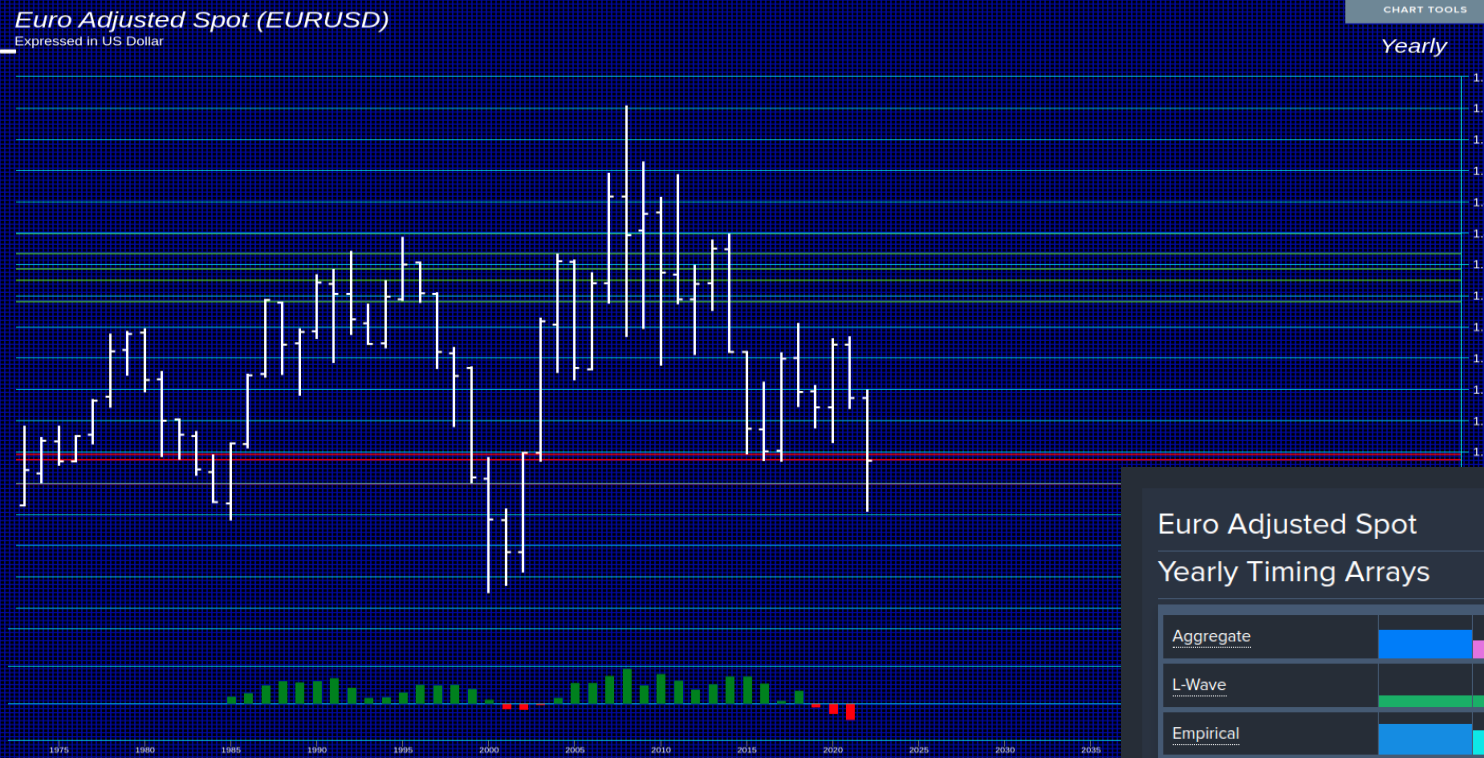
## Canadian Dollar Spot Monthly Timing Arrays



## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

# EURO (as of YEARLY close – 2021)

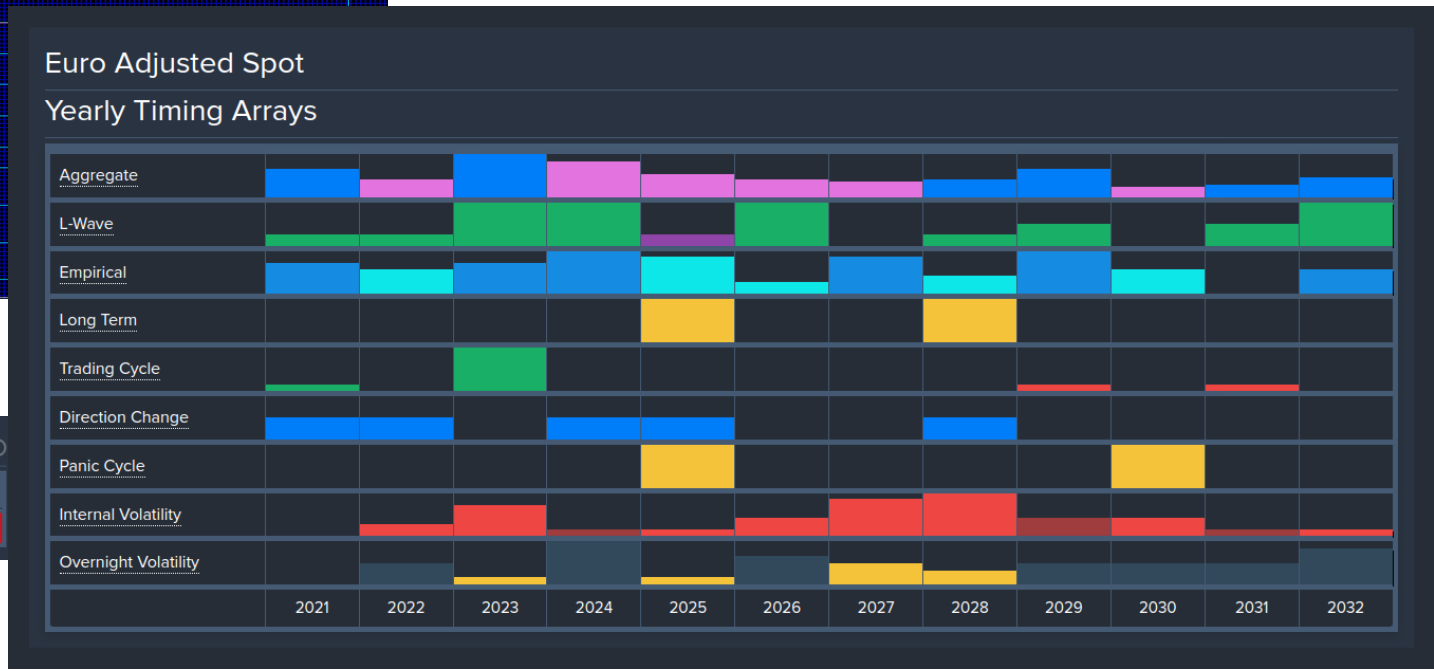


### Yearly Reversals

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 (as of QUARTERLY close – Sept 2022)

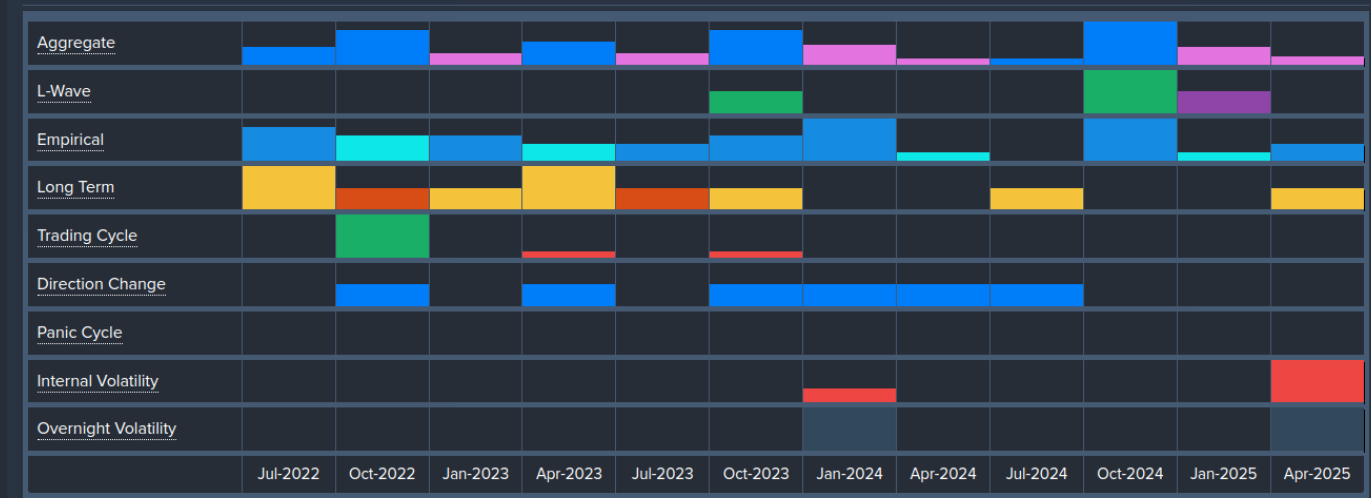
Euro Adjusted Spot (EURUSD)  
Expressed in US Dollar



### 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		

Euro Adjusted Spot  
Quarterly Timing Arrays



Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

# EURO (as of MONTHLY close – Oct 2022)

Euro Adjusted Spot (EURUSD)

Expressed in US Dollar

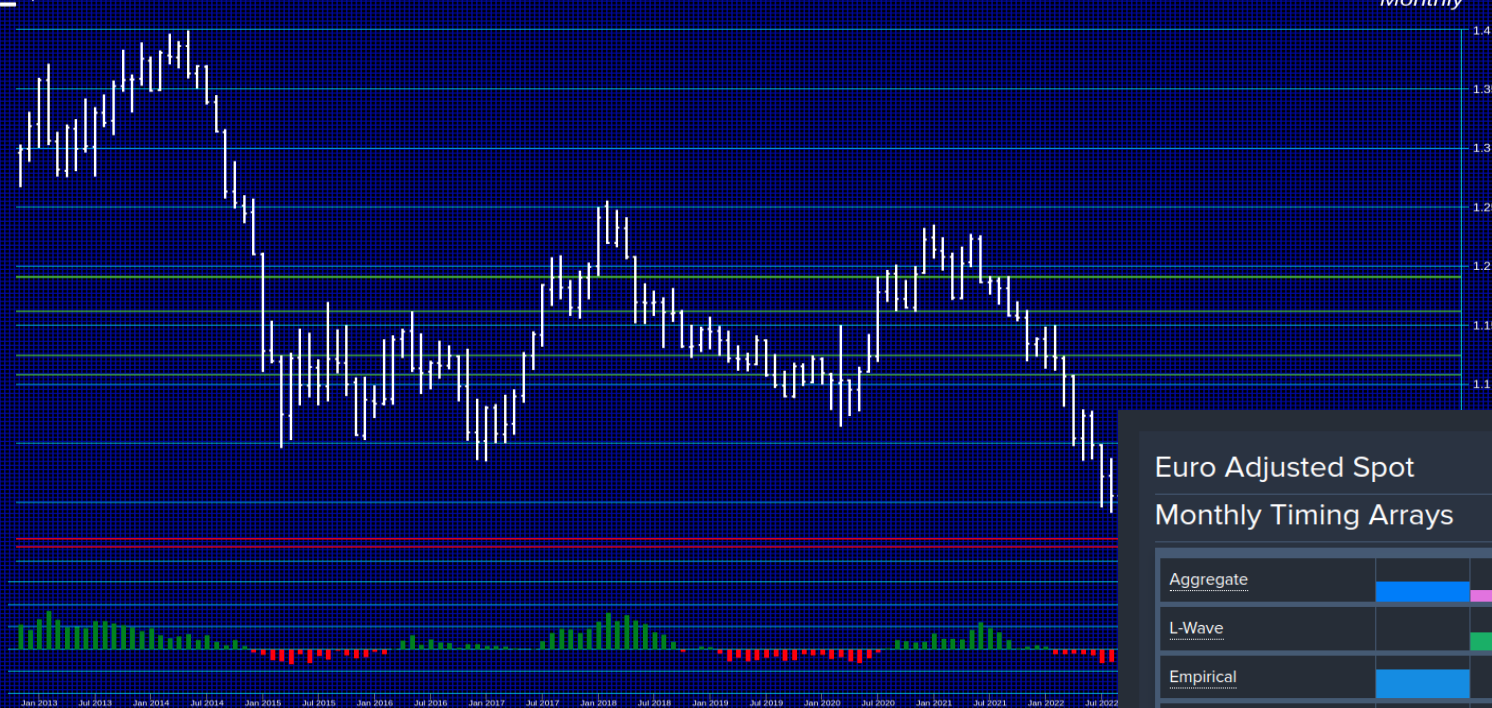


CHART TOOLS

Monthly

## 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

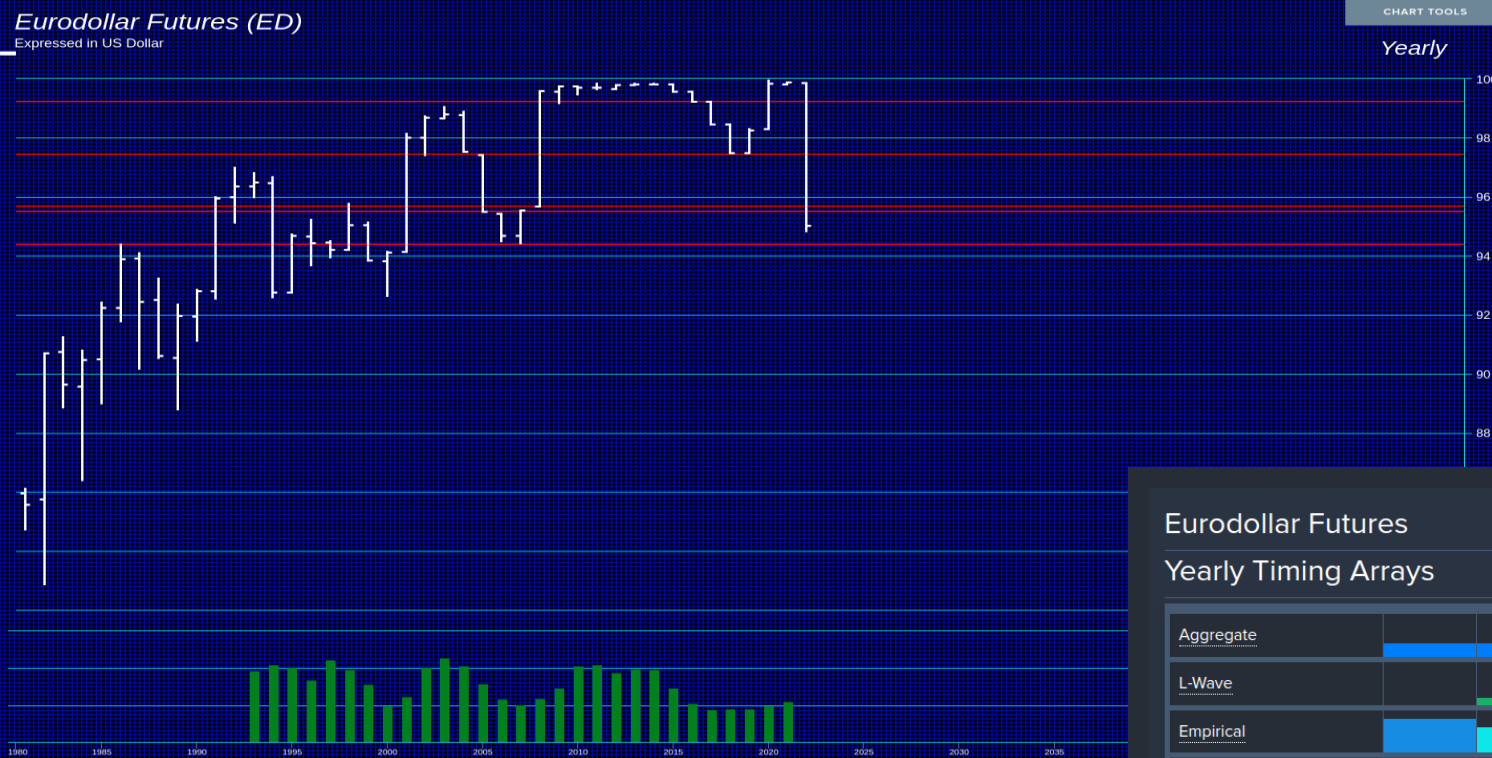
## Euro Adjusted Spot Monthly Timing Arrays

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

## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

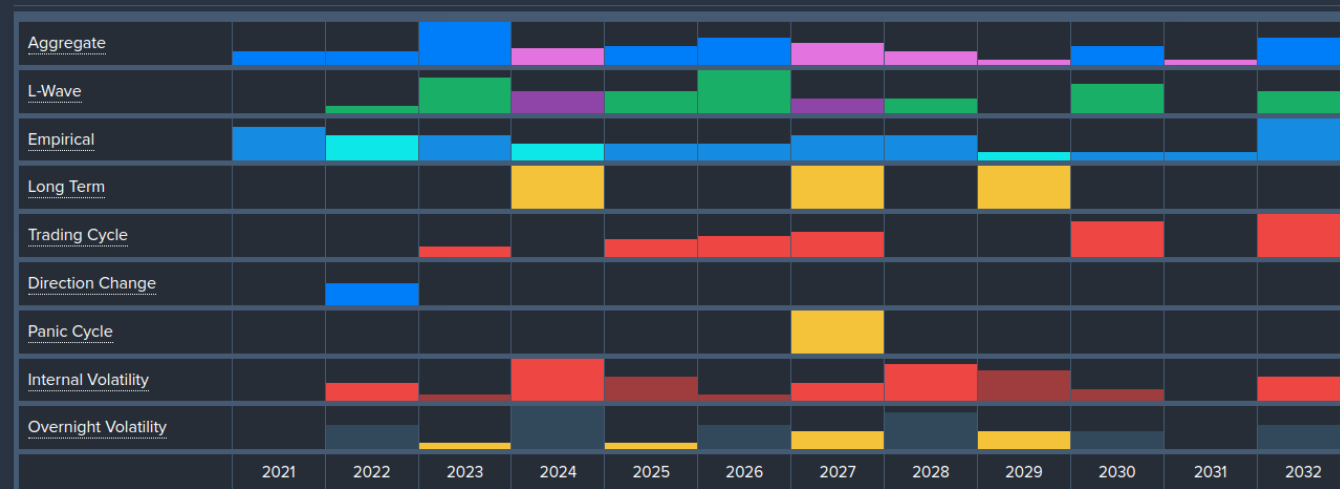
# EURODOLLAR (as of YEARLY close – 2021)



### Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		99.22	95.69
		97.45	95.50
		94.39	

### Eurodollar Futures Yearly Timing Arrays

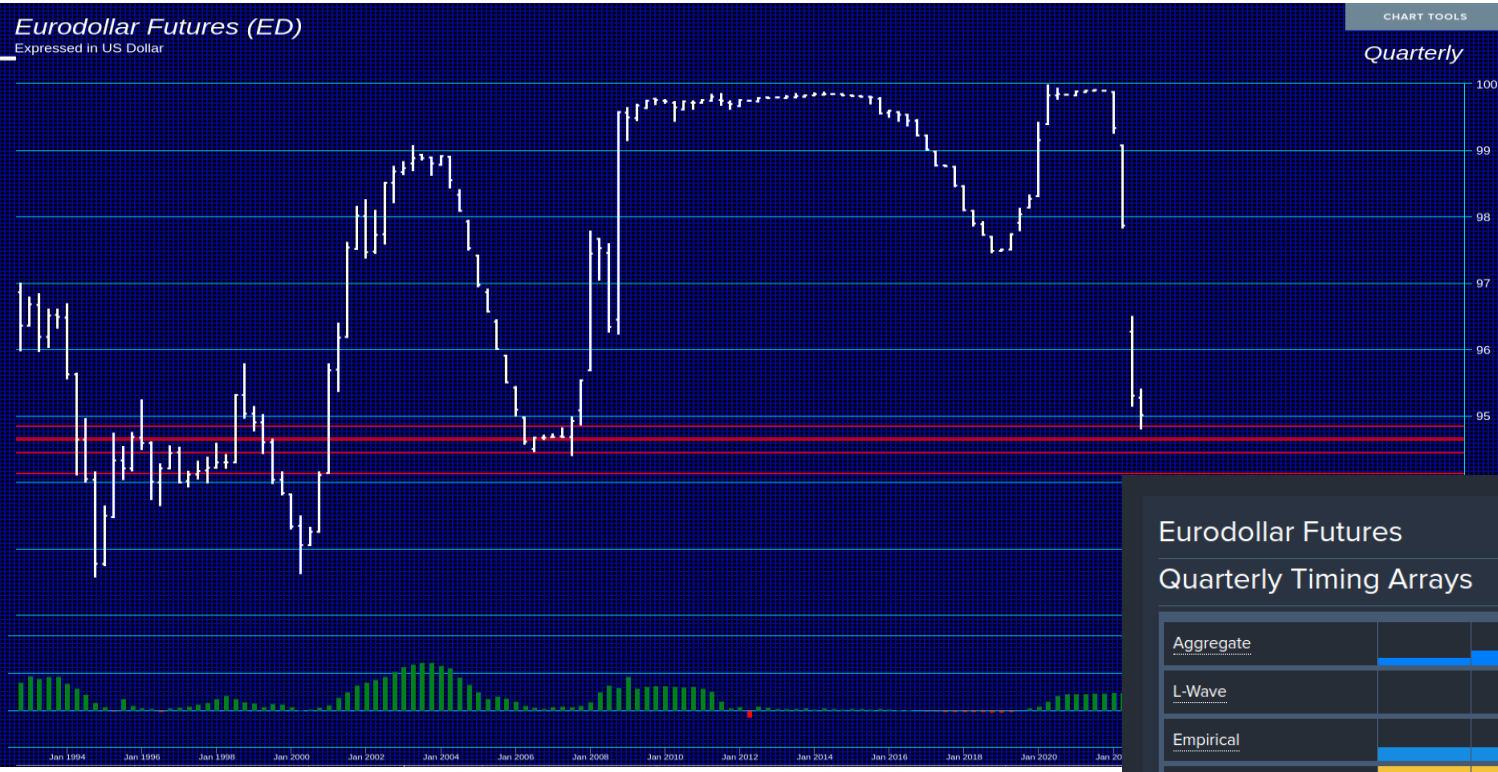


### Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish



# EURODOLLAR (as of QUARTERLY close – Sept 2022)



### Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
			94.84
			94.66
			94.63
			94.44
			94.13

### Eurodollar 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	Blue	Blue	Pink	Blue	Pink	Blue	Blue	Pink	Blue	Pink	Pink	Blue
L-Wave							Green					Green
Empirical	Blue	Blue	Blue	Cyan	Blue	Blue	Blue	Blue	Blue	Blue	Cyan	Cyan
Long Term	Yellow	Yellow										
Trading Cycle									Green			
Direction Change				Blue								
Panic Cycle												
Internal Volatility							Red					Red
Overnight Volatility												

### Quarterly Indicating Ranges

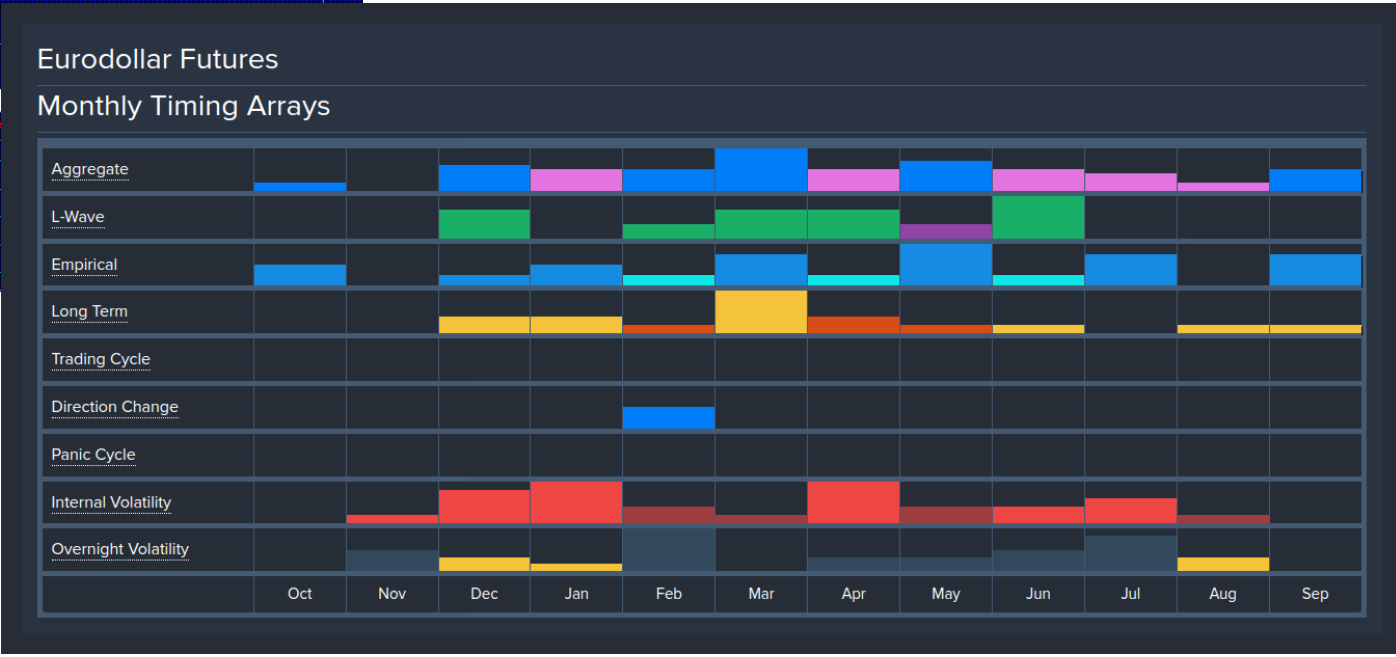
Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

# EURODOLLAR (as of MONTHLY close – Oct 2022)



### Monthly Reversals

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



### Monthly Indicating Ranges

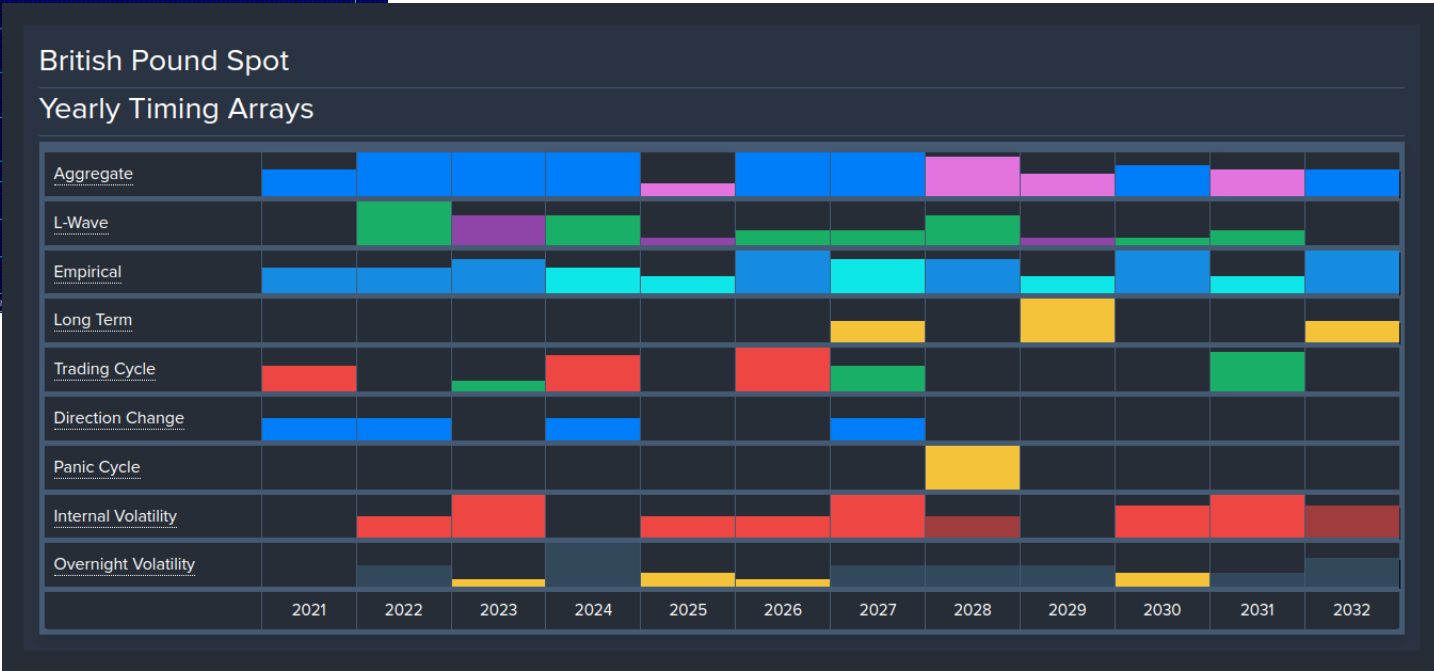
Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

# POUND STERLING (as of YEARLY close – 2021)



### 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

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



### Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	1.4816		
	1.5517		
	1.5588		
	1.5808		
	1.6159		

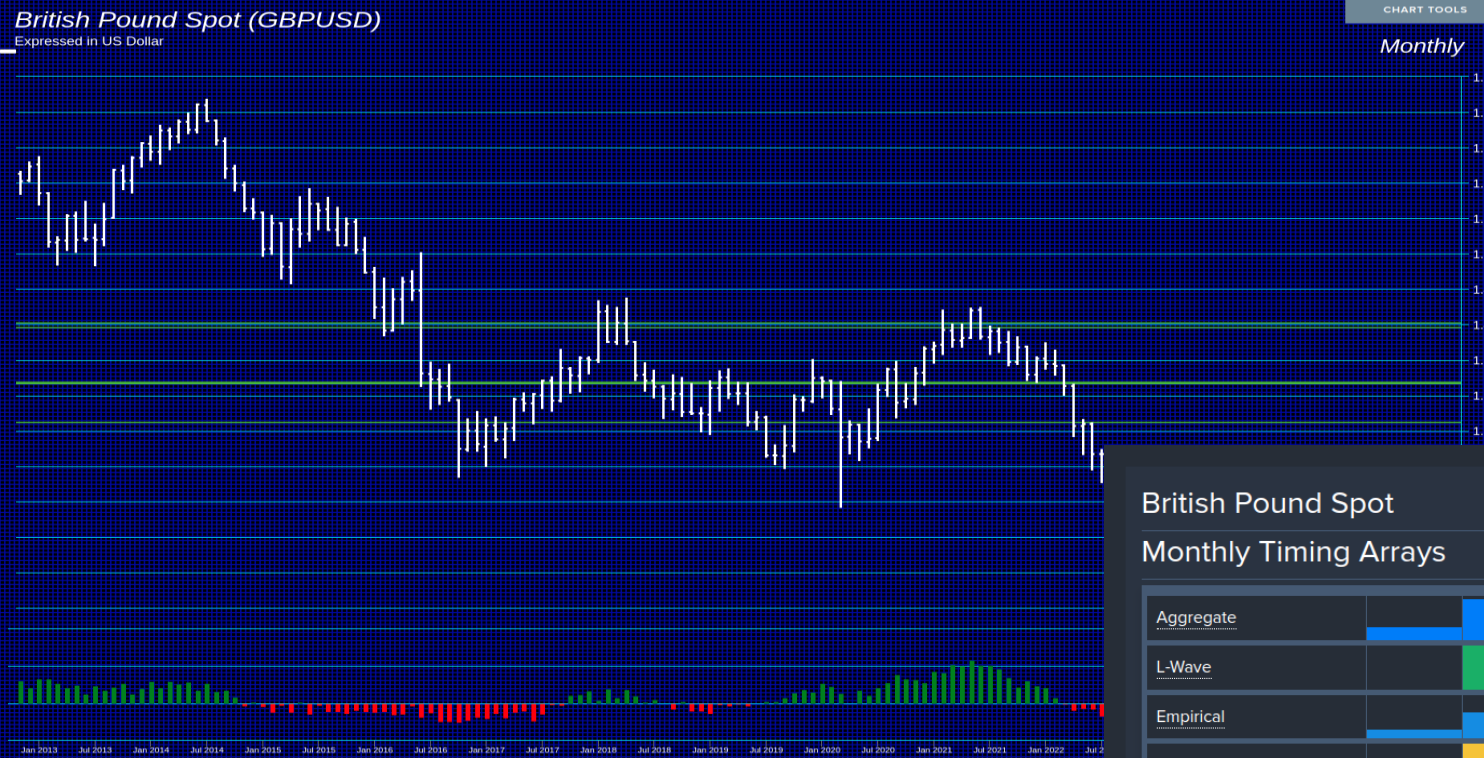
### Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

### 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)

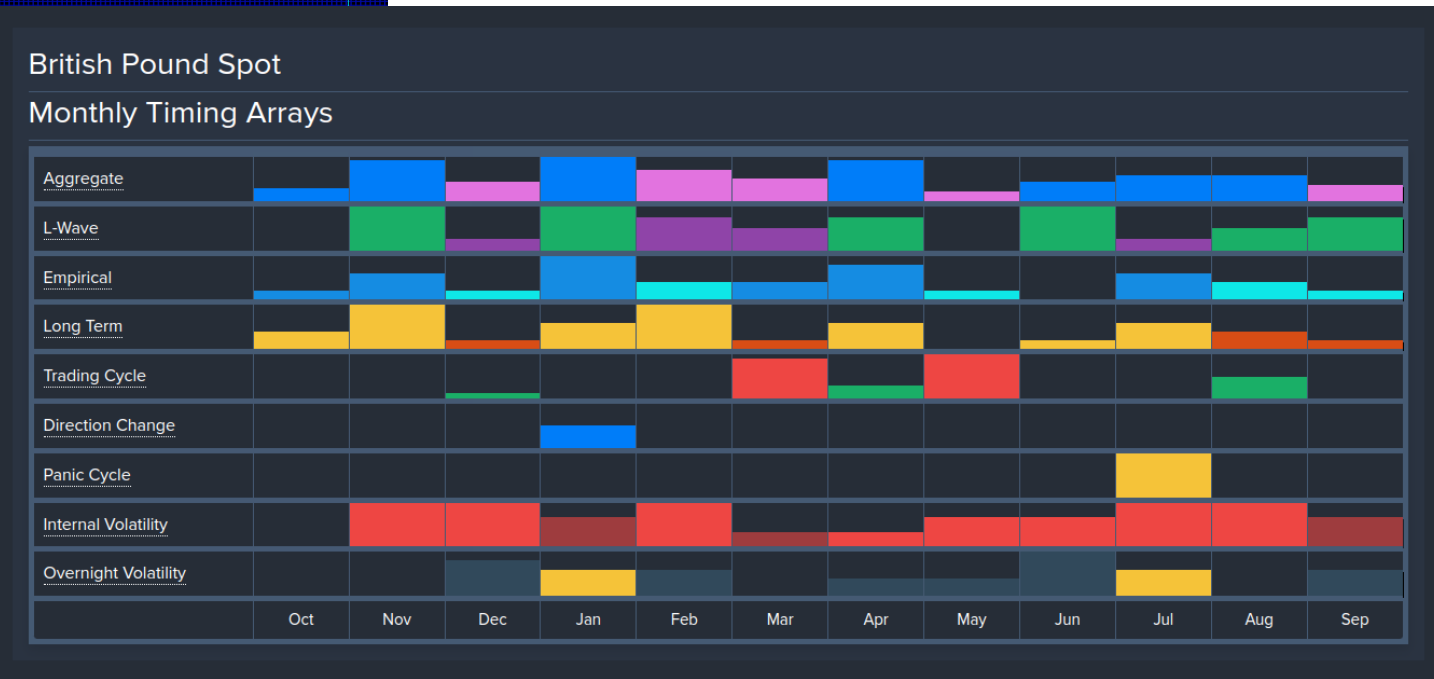


### Monthly Reversals

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



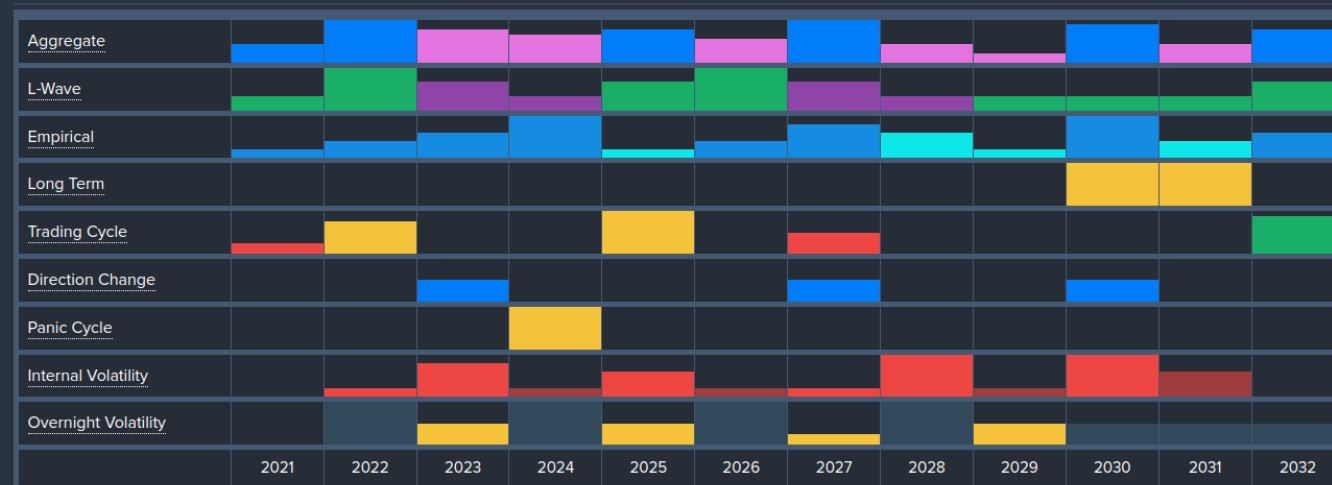
# YEN (as of YEARLY close – 2021)



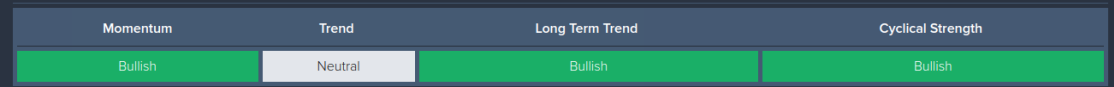
### Yearly Reversals

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

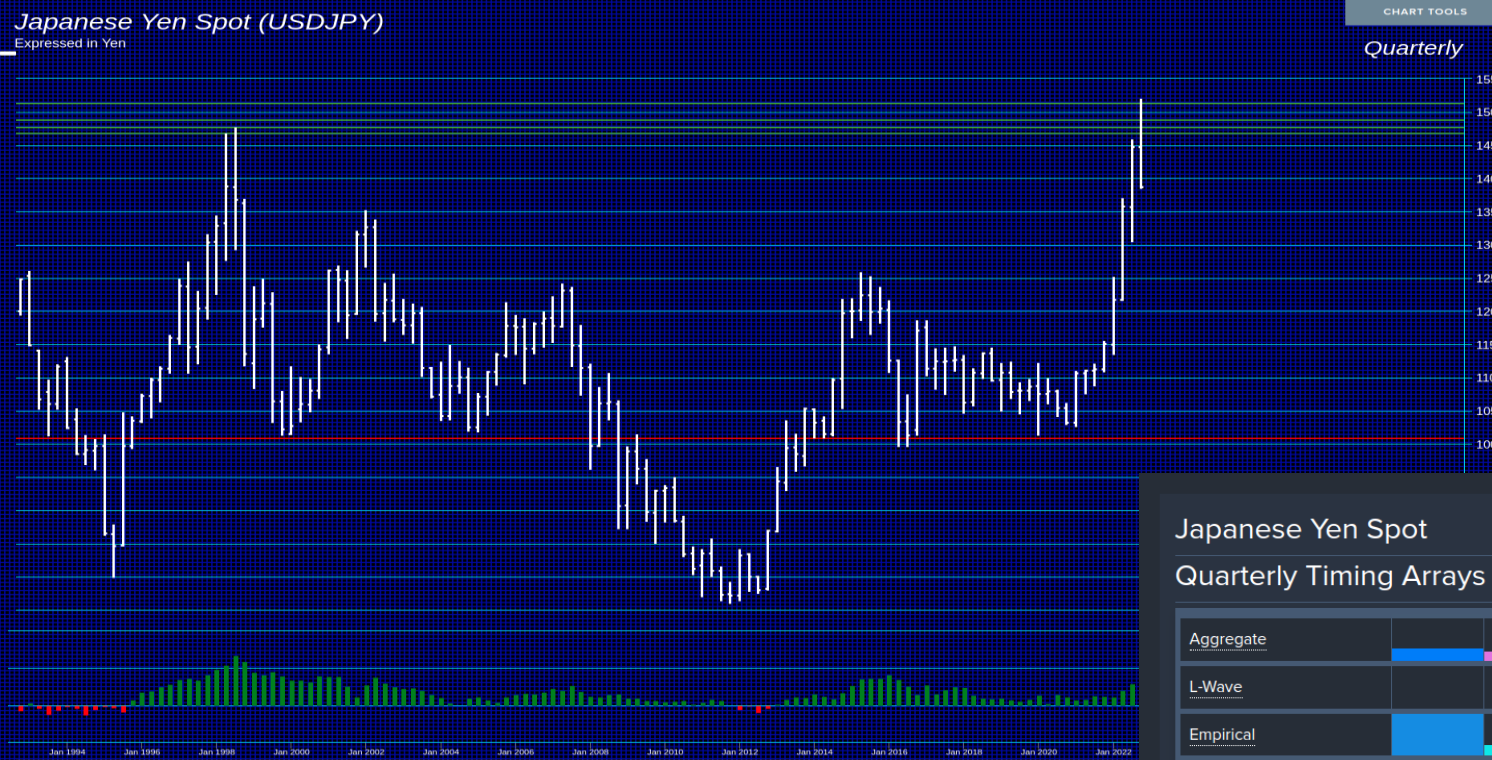
### Japanese Yen Spot Yearly Timing Arrays



### Yearly Indicating Ranges



# 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		



### Quarterly Indicating Ranges

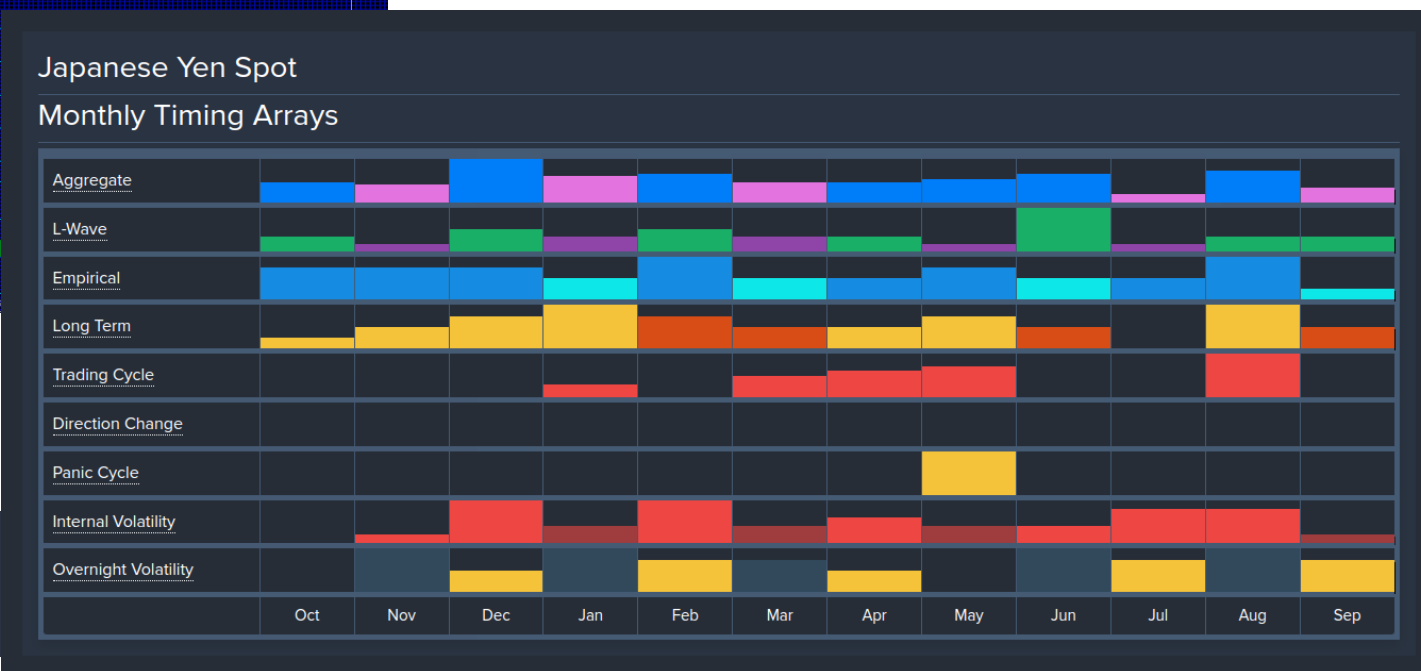
Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

# 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			

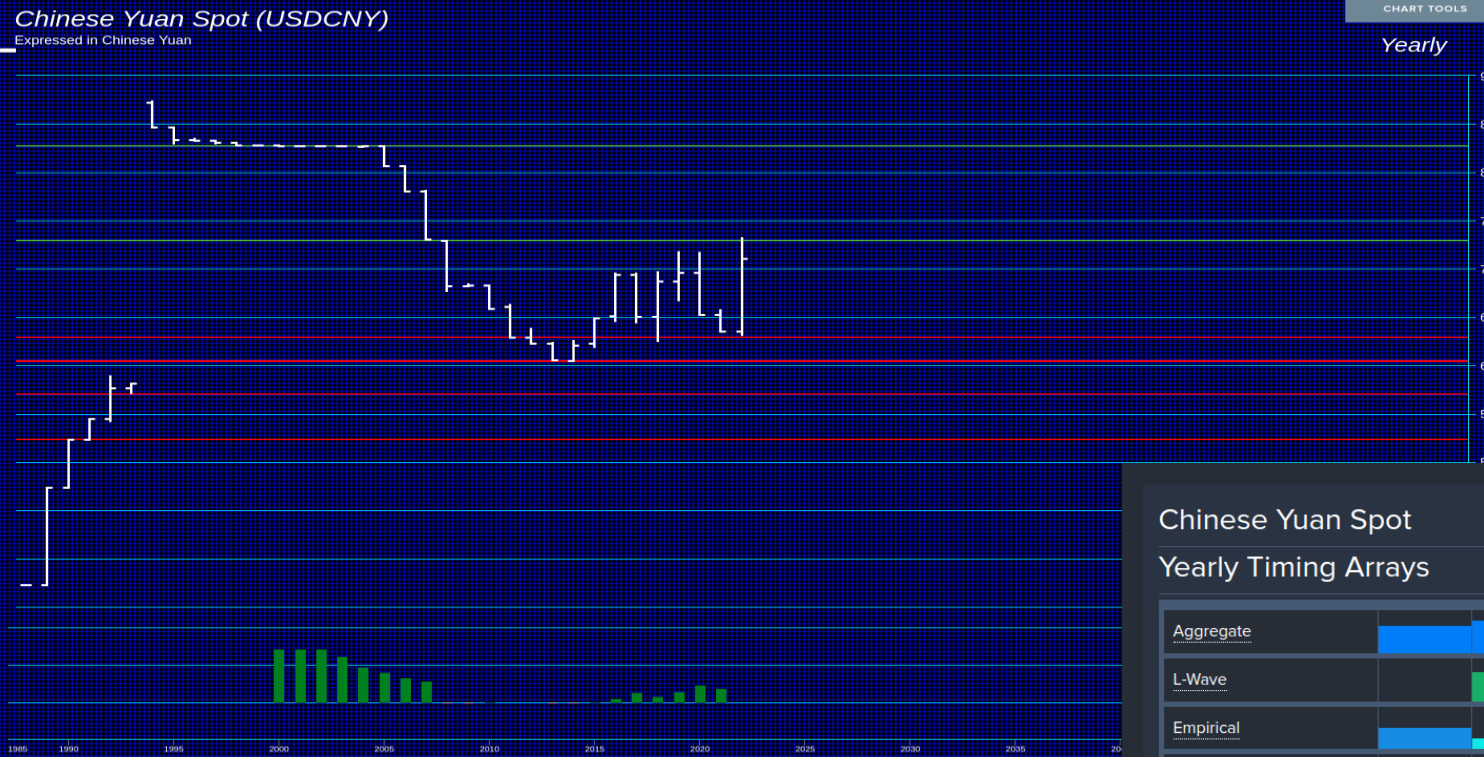


### Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish



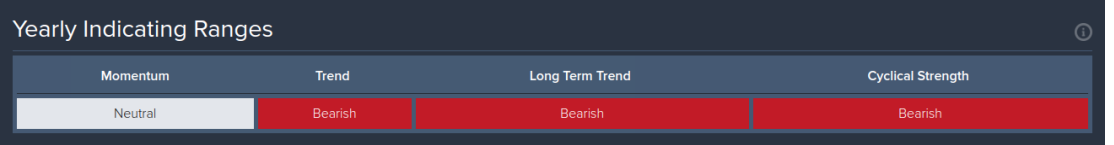
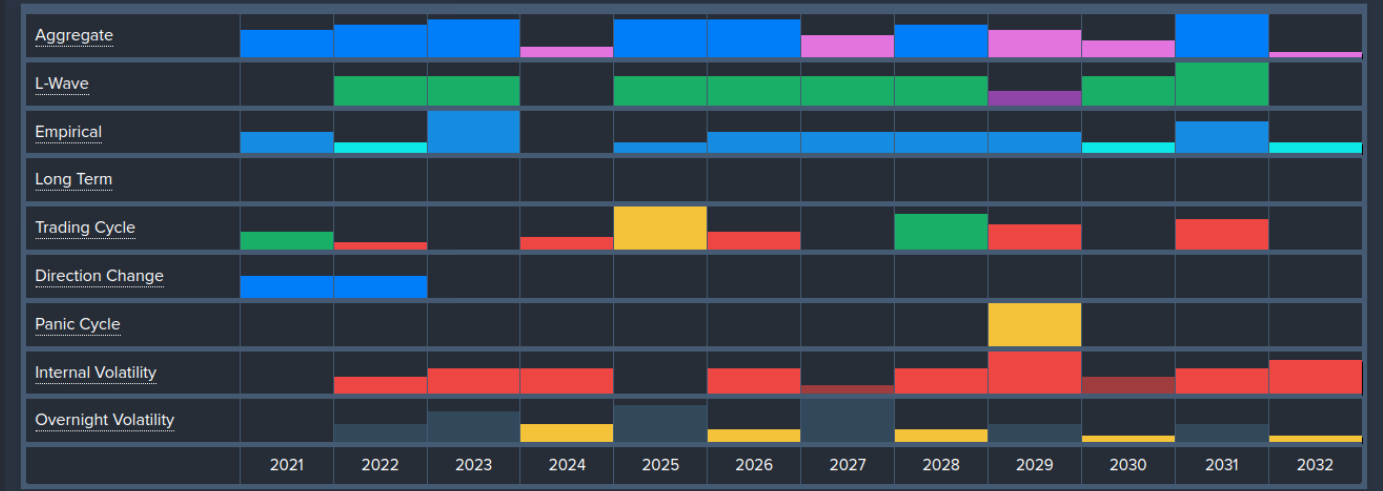
# CNY (as of YEARLY close – 2021)



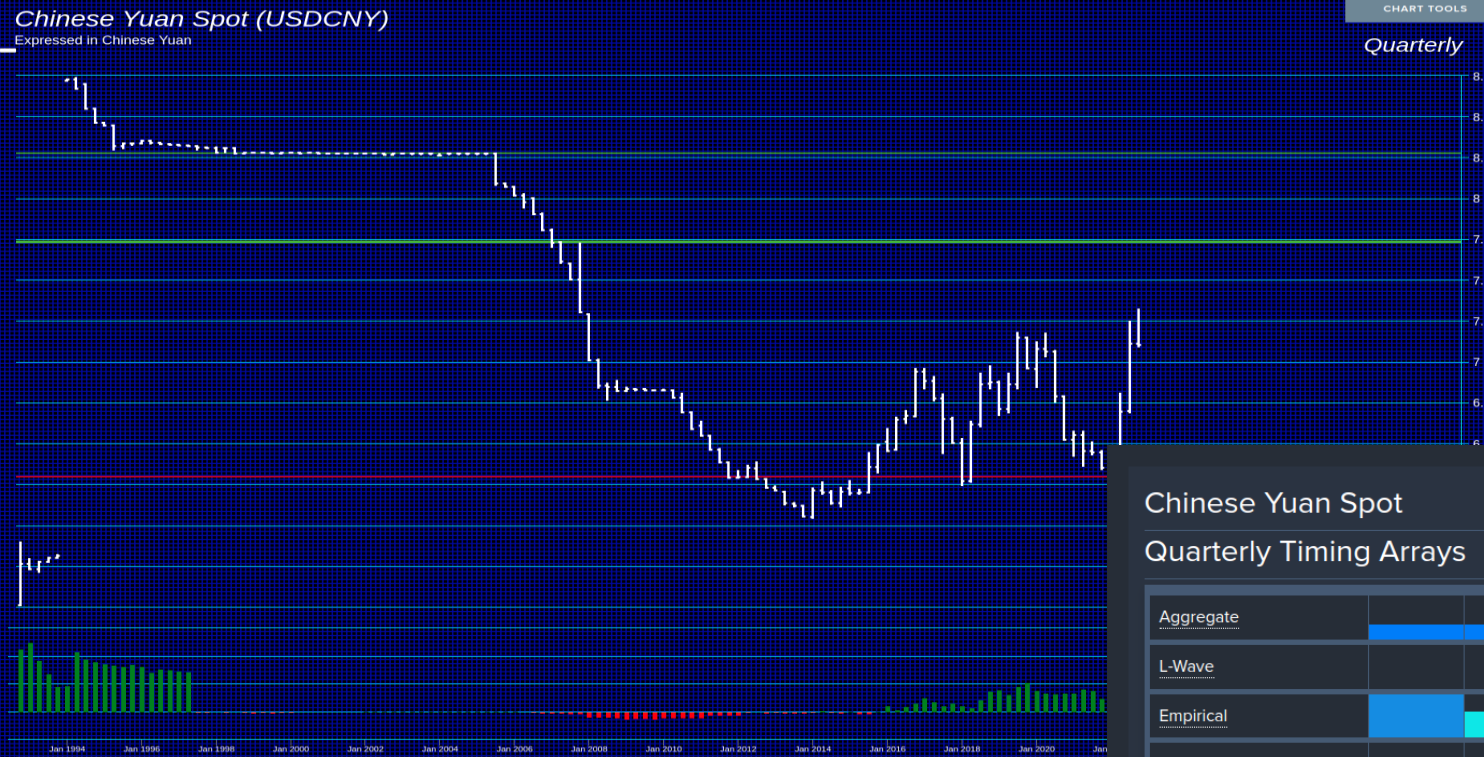
### Yearly Reversals

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



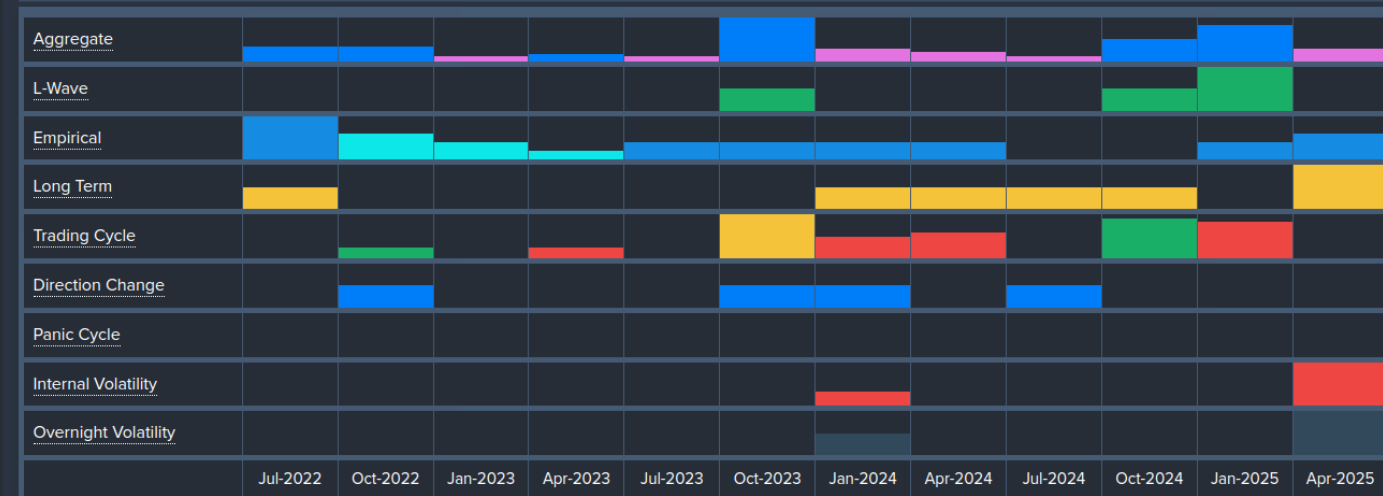
# CNY (as of QUARTERLY close – Sept 2022)



## 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

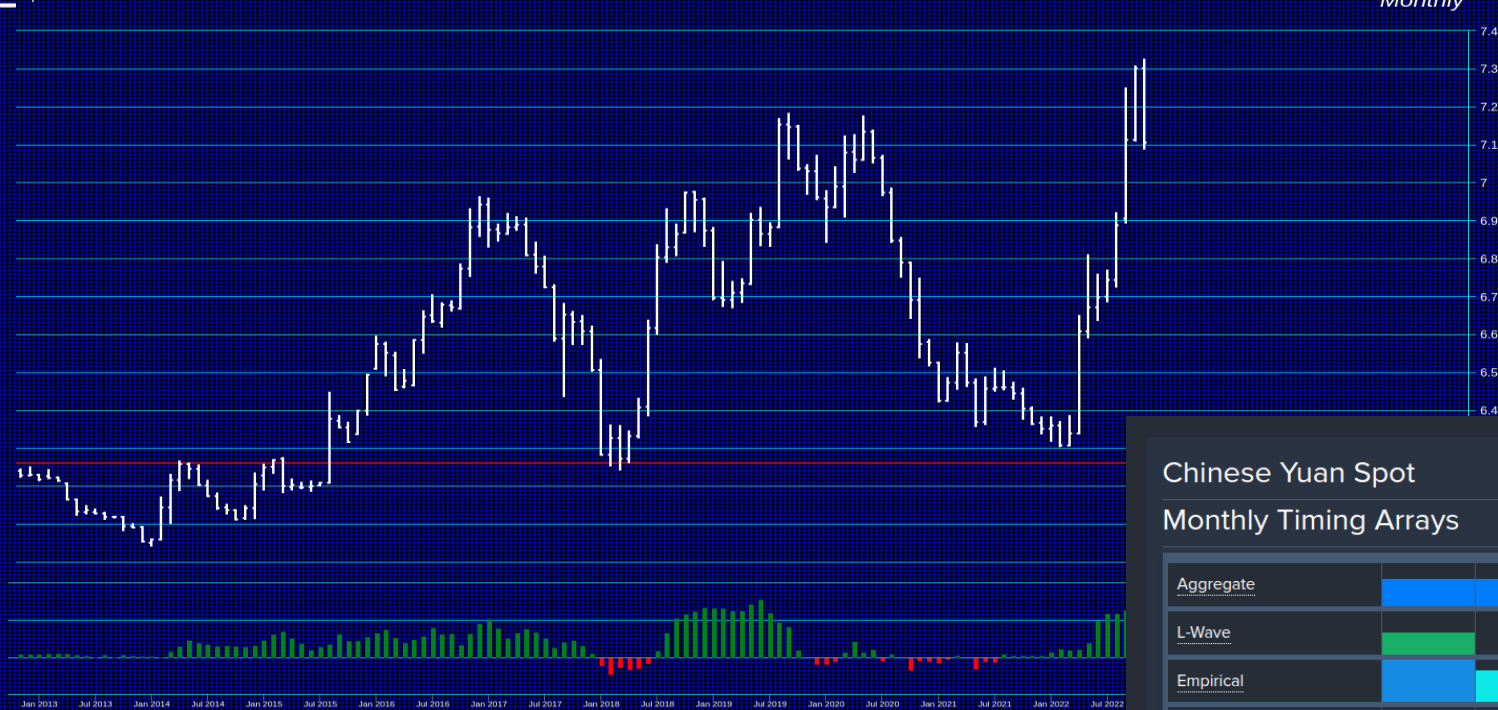


## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

# CNY (as of MONTHLY close – Oct 2022)

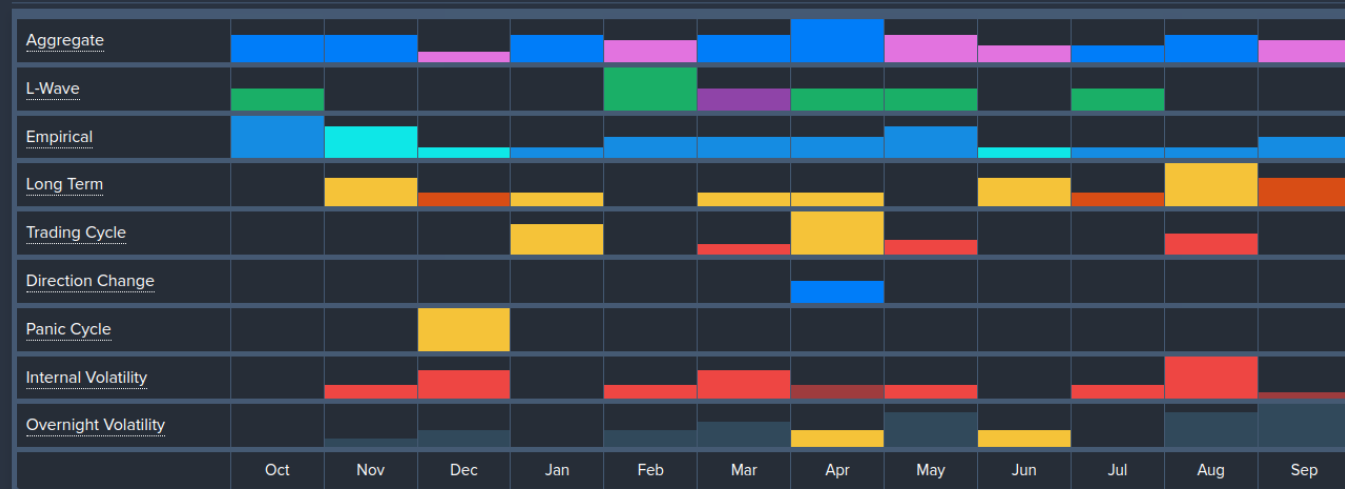
Chinese Yuan Spot (USDCNY)  
Expressed in Chinese Yuan



## Monthly Reversals

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

## Chinese Yuan Spot Monthly Timing Arrays



## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

# AUS DOLLAR (as of YEARLY close – 2021)

Australian Dollar Spot (USDAUD)  
Expressed in Australian Dollar



## 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

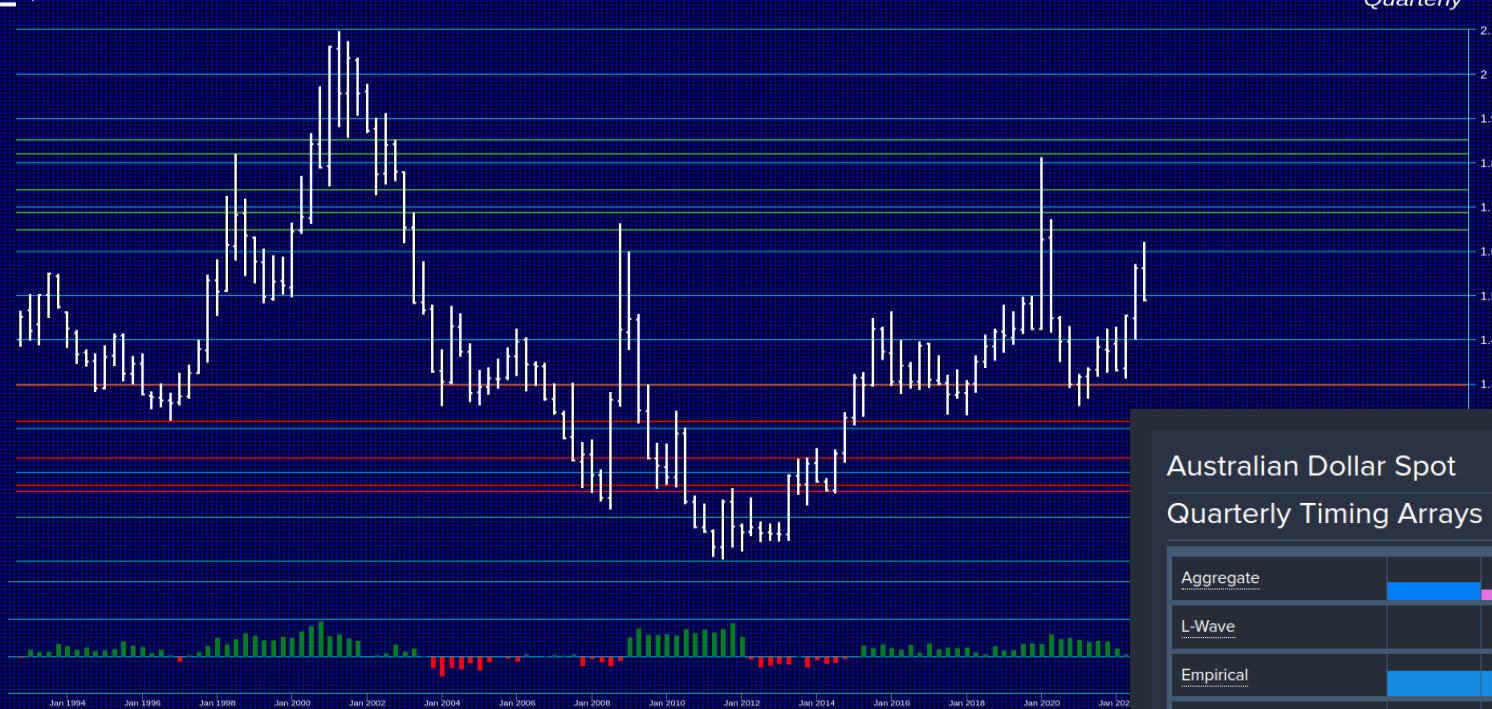
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Aggregate	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Pink	Pink	Blue	Pink	Blue
L-Wave	Green	Green	Green	Purple	Green	Green	Green	Purple	Purple	Green	Green	Green
Empirical	Blue	Blue	Blue	Blue	Cyan	Blue	Blue	Blue	Cyan	Blue	Blue	Cyan
Long Term				Yellow		Yellow			Yellow	Yellow	Yellow	
Trading Cycle		Green	Red		Yellow	Red	Red		Red			Yellow
Direction Change		Blue						Blue	Blue	Blue		
Panic Cycle									Yellow			
Internal Volatility			Red	Red	Red	Red		Red	Red	Red	Red	Red
Overnight Volatility		Blue	Blue	Yellow	Yellow			Blue	Blue	Blue	Blue	

### Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Neutral	Neutral

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

Australian Dollar Spot (USDAUD)  
Expressed in Australian Dollar



## 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

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

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

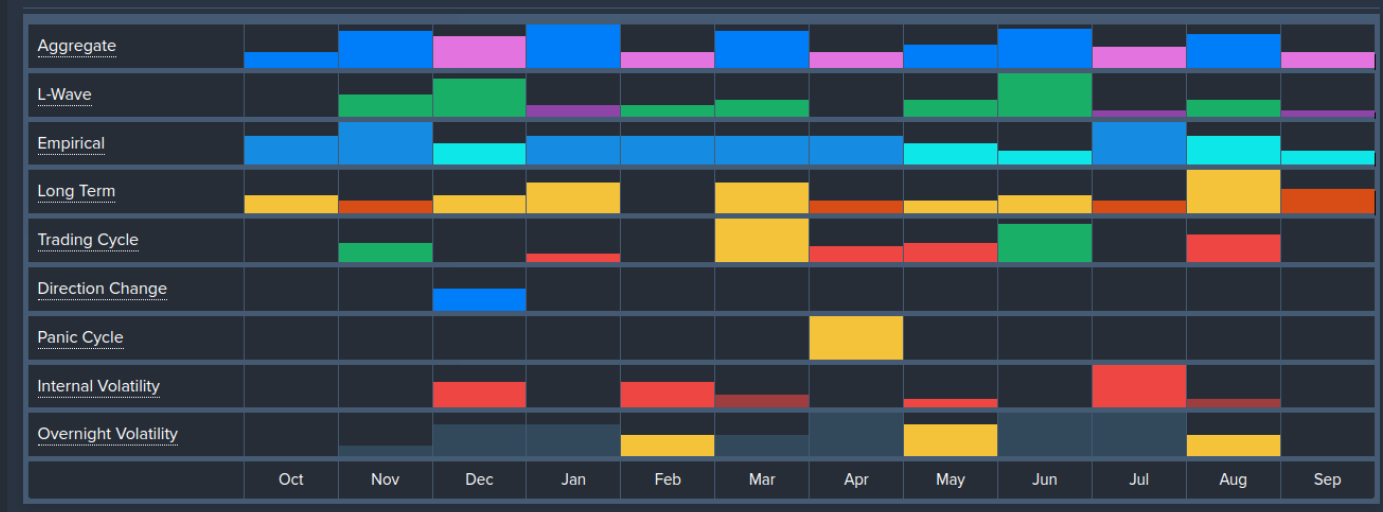
Australian Dollar Spot (USDAUD)  
Expressed in Australian Dollar



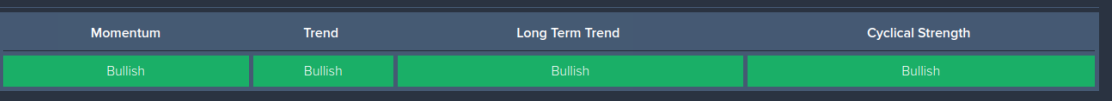
## Monthly Reversals

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

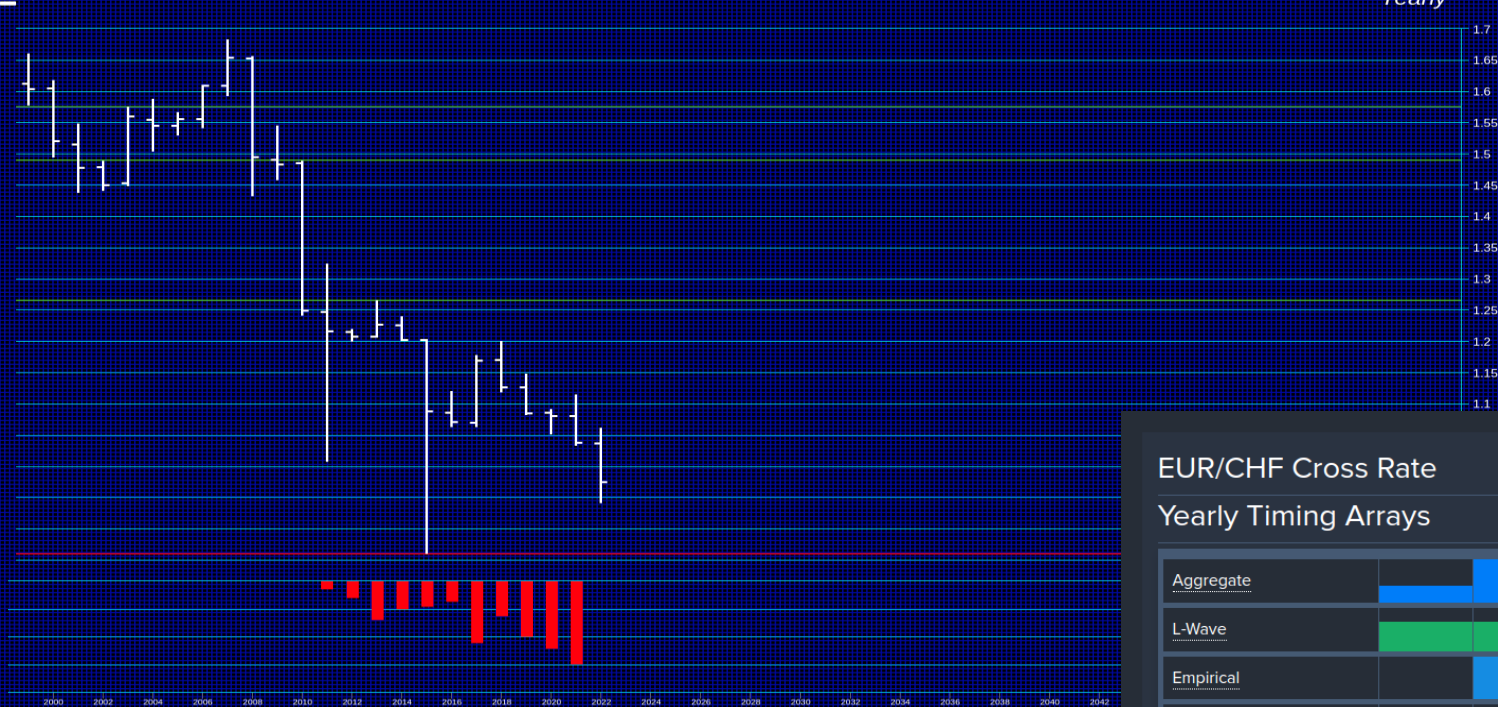


Monthly Indicating Ranges



# EUR/CHF (as of YEARLY close – 2021)

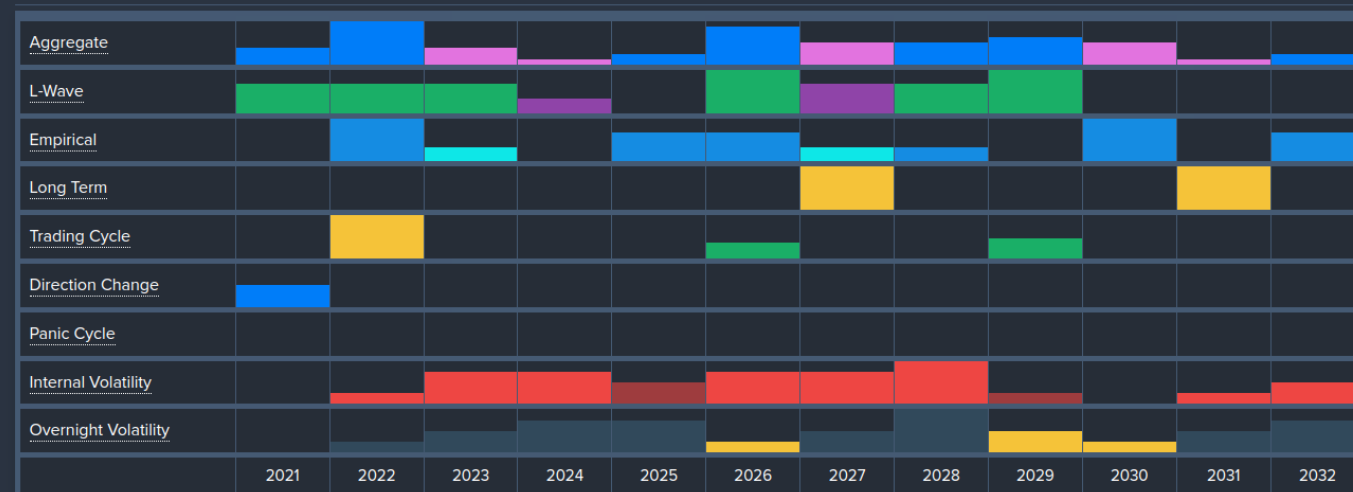
EUR/CHF Cross Rate (EURCHF)  
Expressed in Swiss Franc



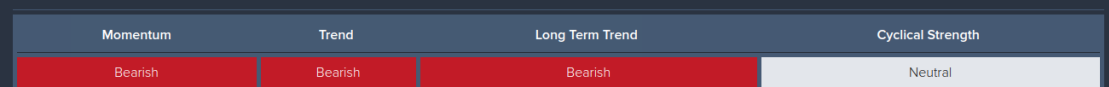
## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
1.2650			0.8600
1.4892			
1.5752			

## EUR/CHF Cross Rate Yearly Timing Arrays



## Yearly Indicating Ranges



# 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)

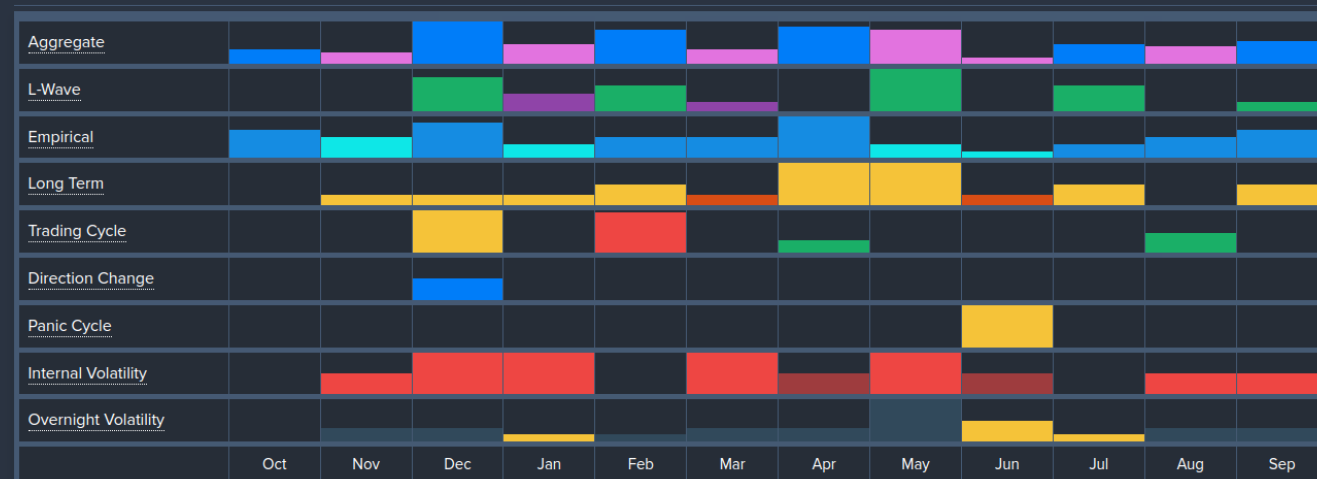
EUR/CHF Cross Rate (EURCHF)  
Expressed in Swiss Franc



## Monthly Reversals

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

## EUR/CHF Cross Rate Monthly Timing Arrays



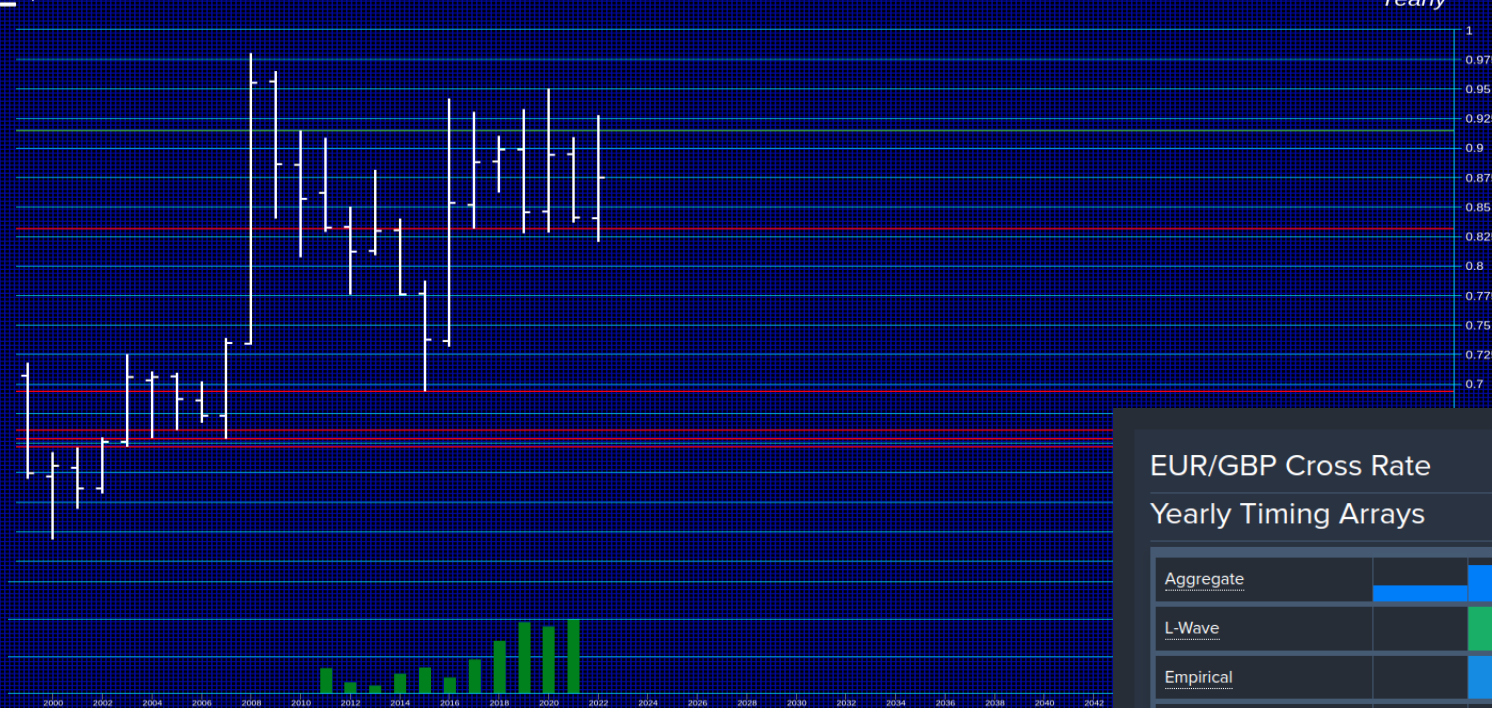
## Monthly Indicating Ranges

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

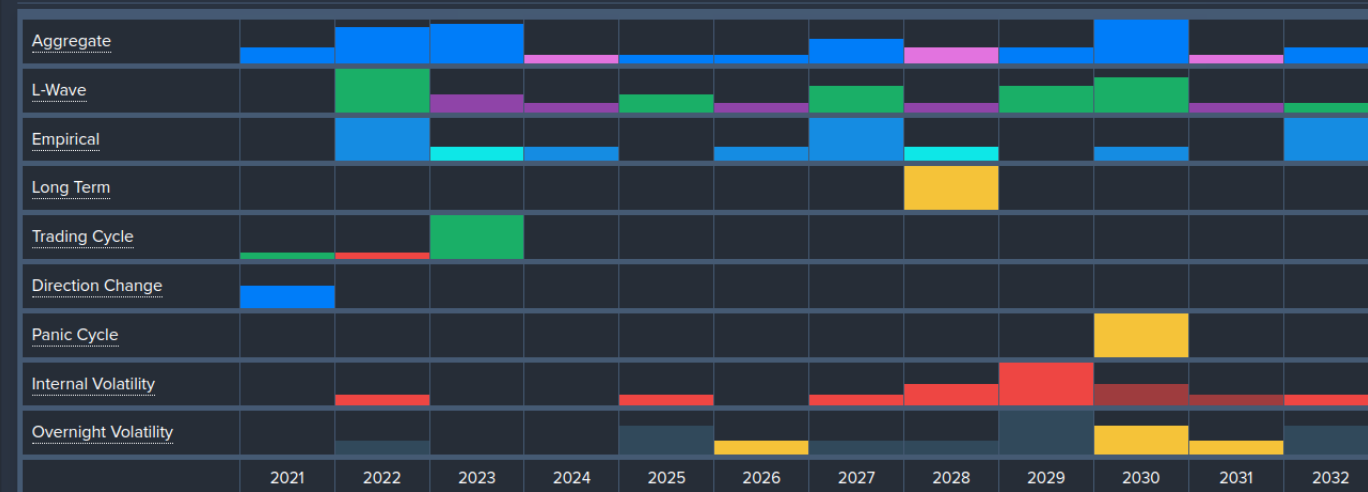


## Yearly Reversals

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

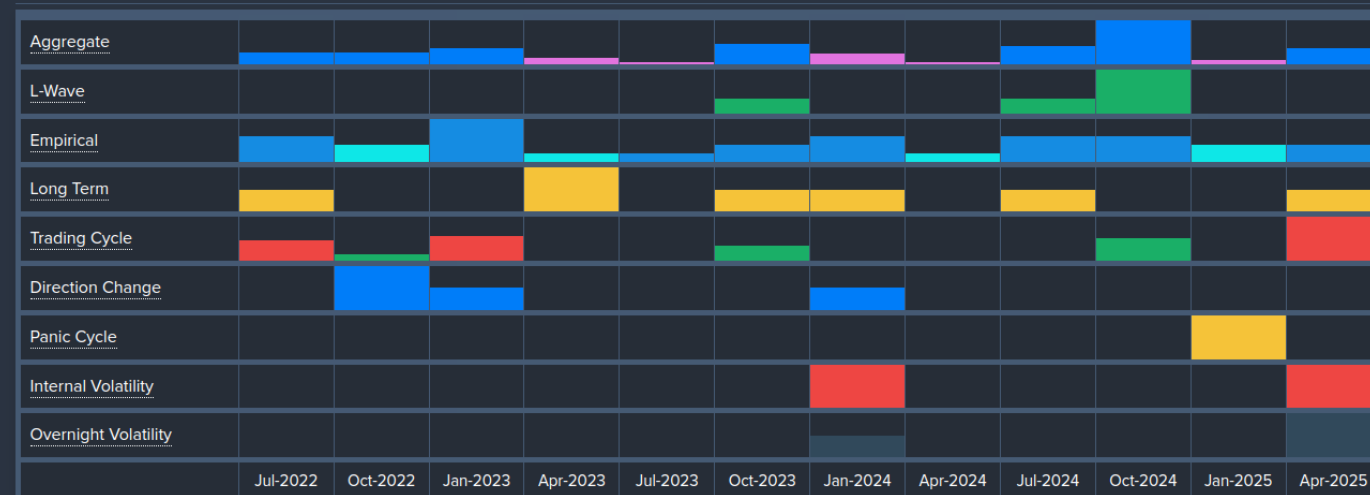


CHART TOOLS  
Quarterly

## 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

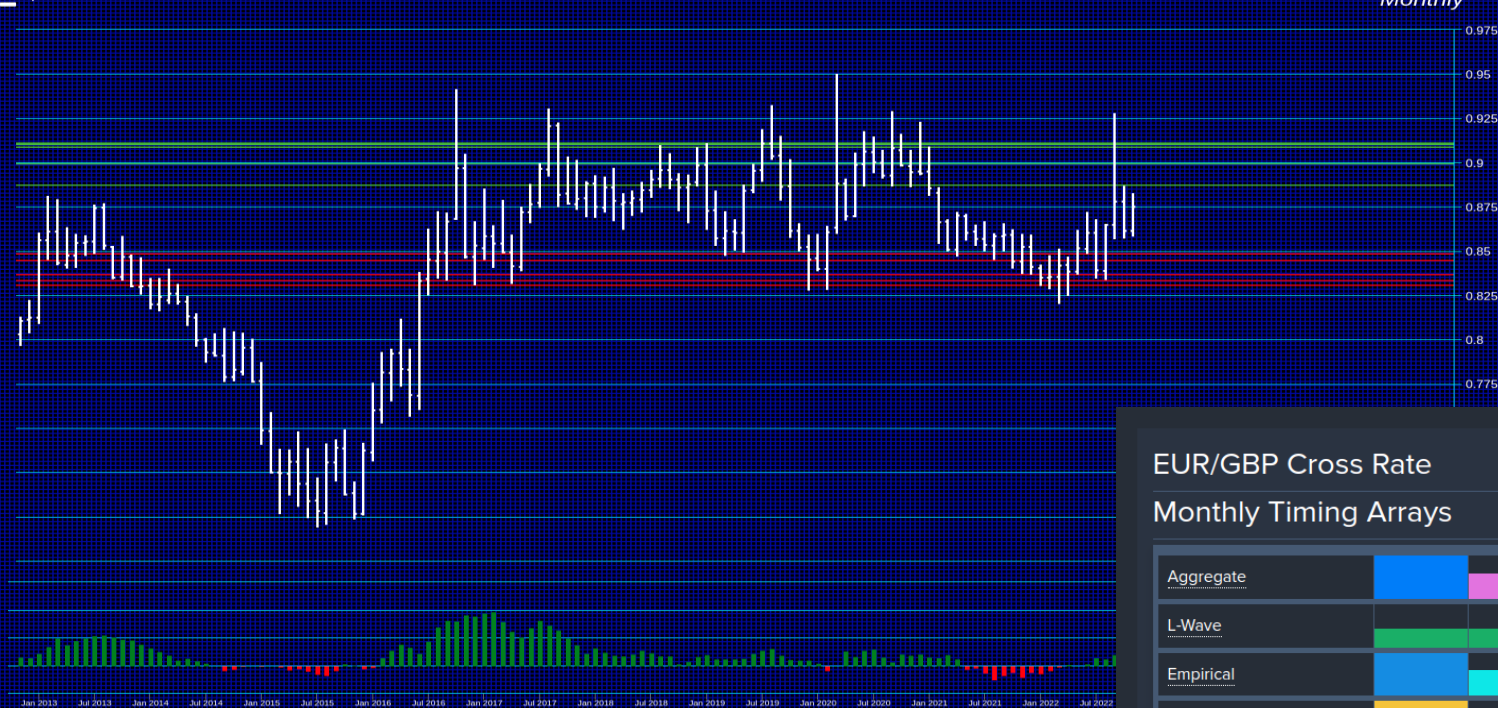


## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Neutral	Bullish

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

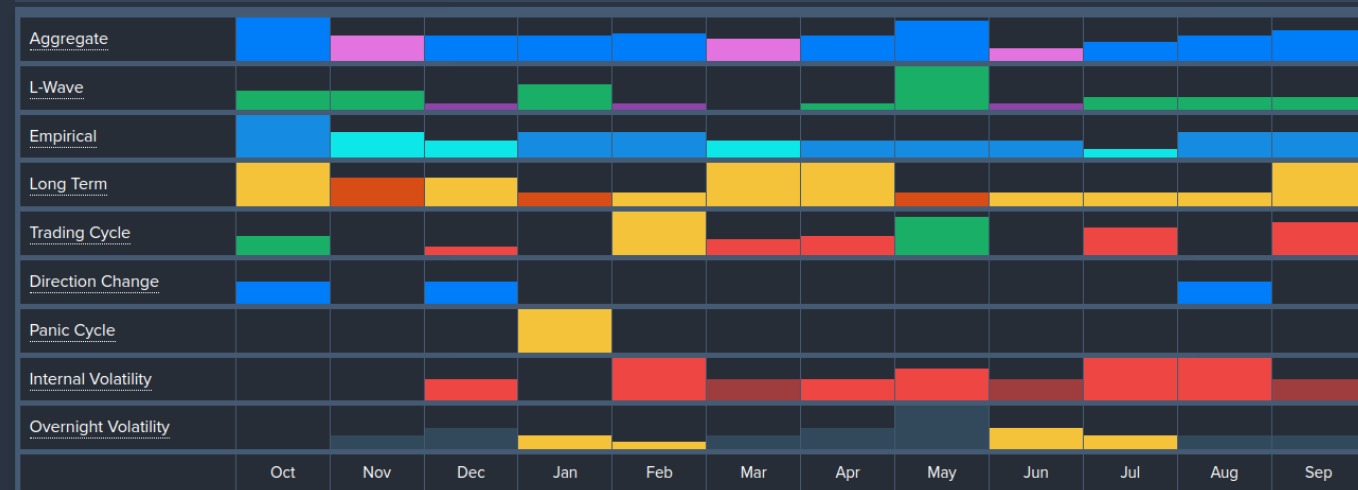
EUR/GBP Cross Rate (EURGBP)  
Expressed in British Pound



## 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

## EUR/GBP Cross Rate Monthly Timing Arrays



## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Neutral	Bearish

# EUR/JPY (as of YEARLY close – 2021)

EUR/JPY Cross Rate (EURJPY)

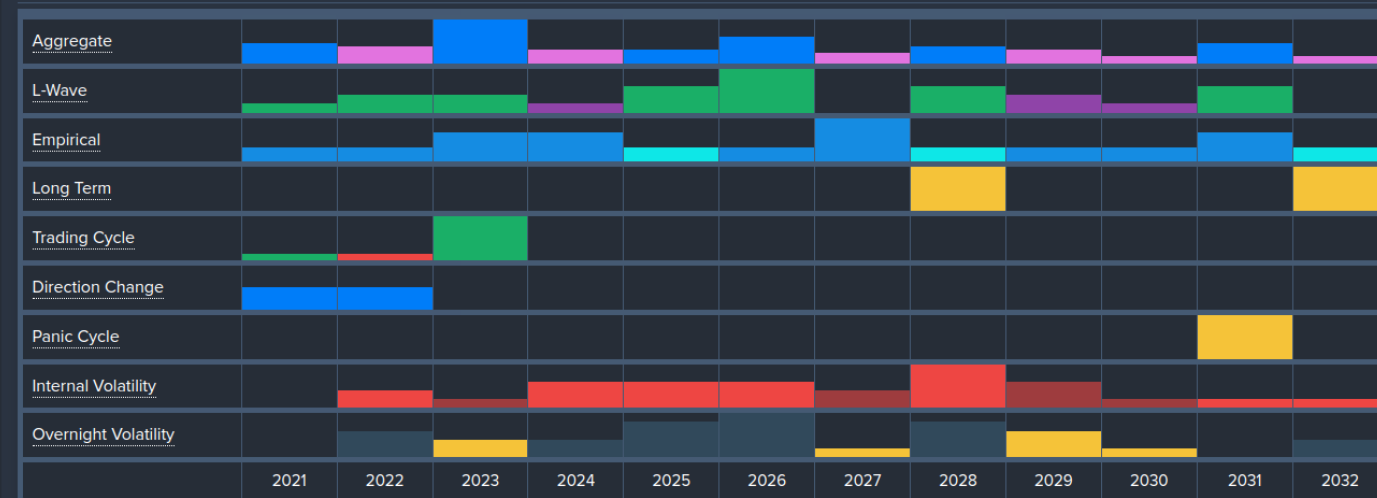


## Yearly Reversals

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



### Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Neutral	Neutral

# 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		

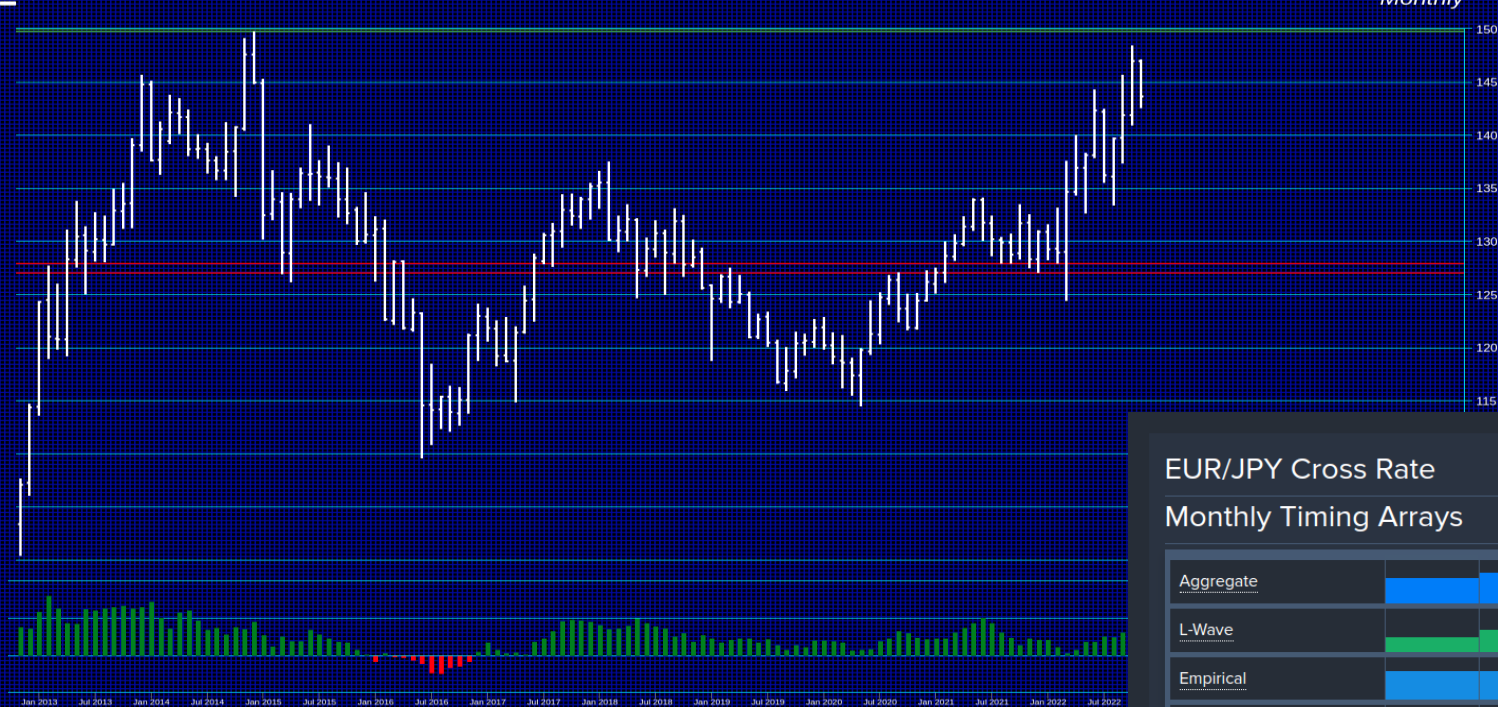


### Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

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

EUR/JPY Cross Rate (EURJPY)  
Expressed in Yen



## Monthly Reversals

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

## EUR/JPY Cross Rate Monthly Timing Arrays



## Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

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

Russian Rubles Spot (USDRUB)  
Expressed in Rubles



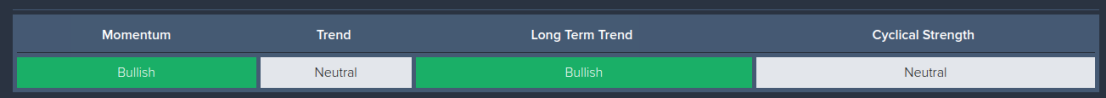
## Yearly Reversals

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

## Russian Rubles Spot Yearly Timing Arrays



## Yearly Indicating Ranges





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

Russian Rubles Spot (USDRUB)  
Expressed in Rubles



### 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

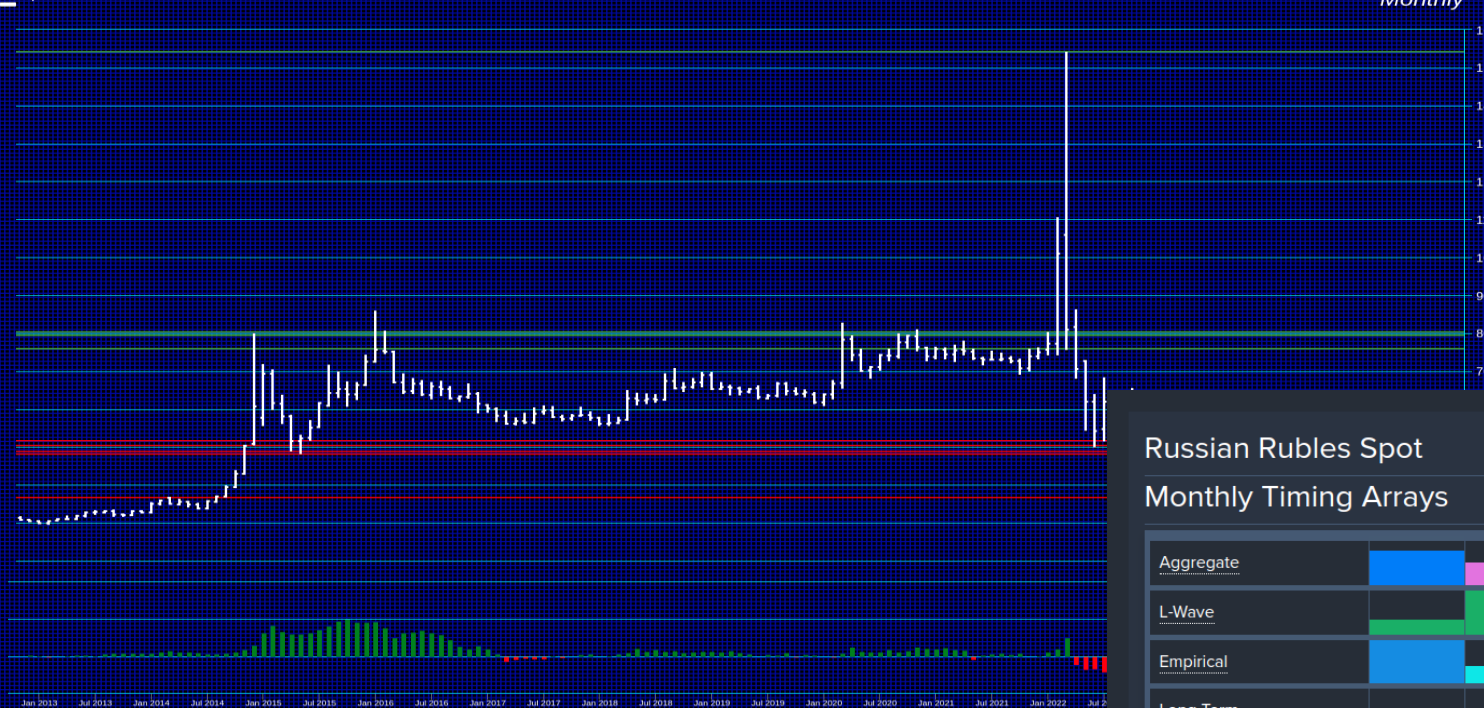
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024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

Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

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

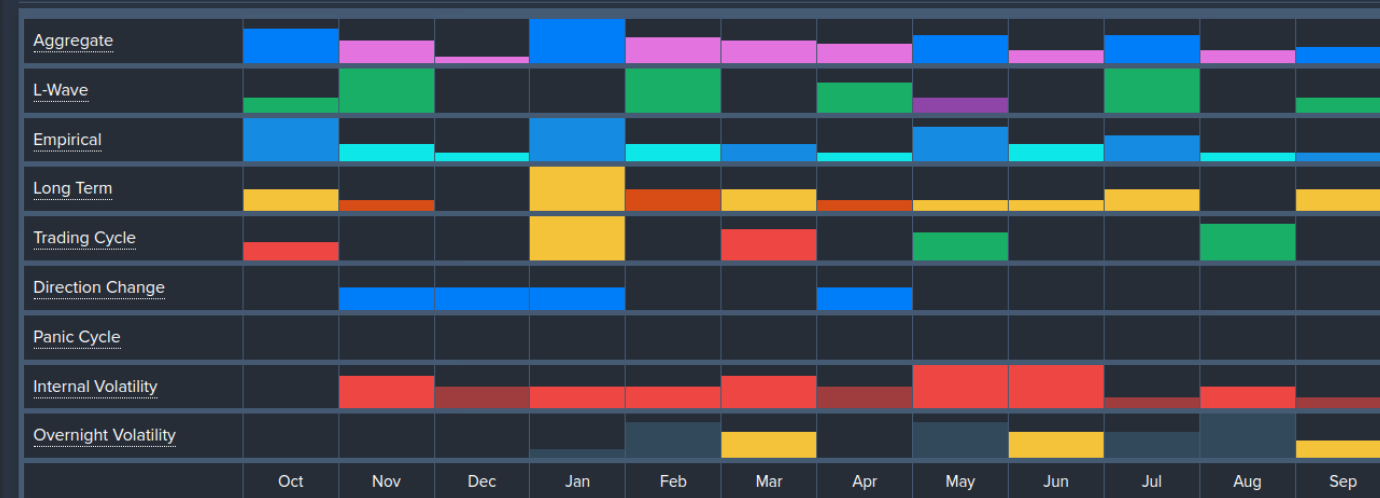
Russian Rubles Spot (USDRUB)  
Expressed in Rubles



## 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



## Monthly Indicating Ranges

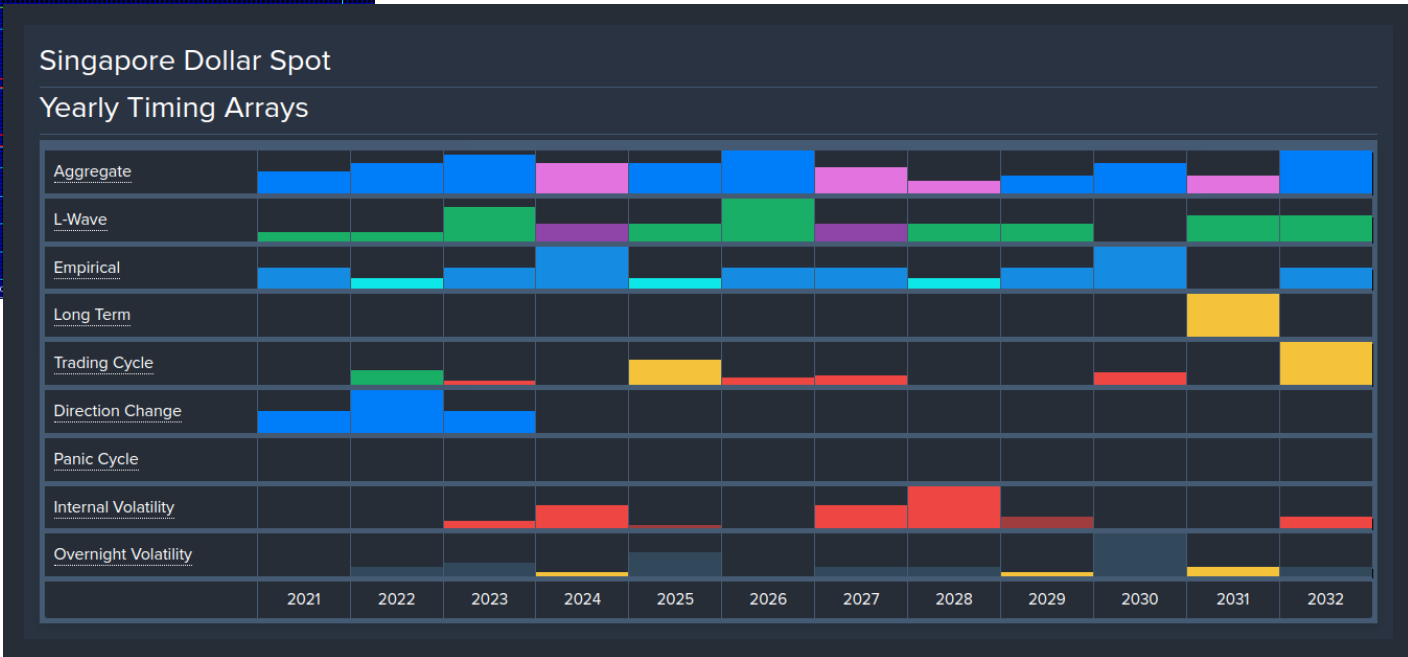
Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Bearish	Bearish

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



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



## Quarterly Reversals

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



### Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Neutral

# 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	

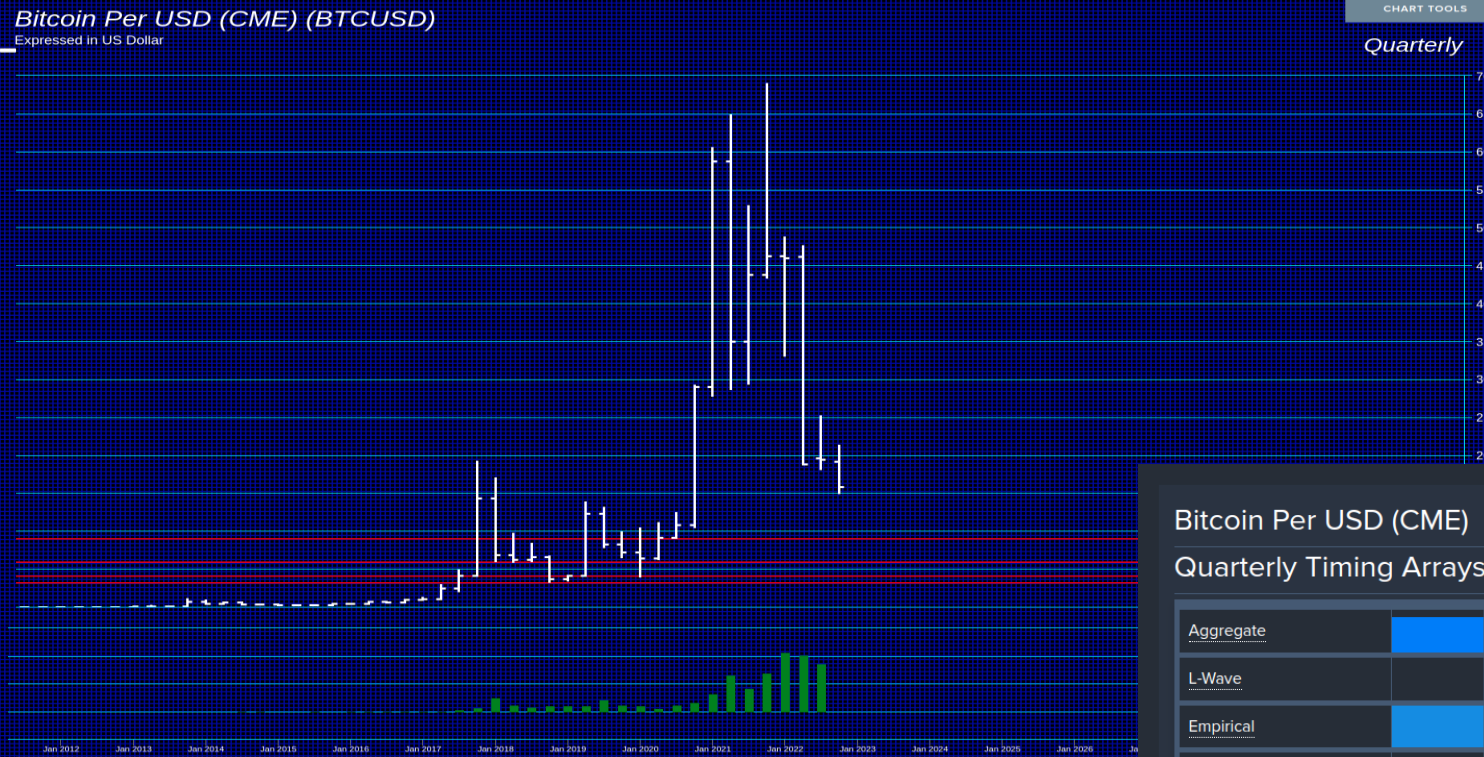
### Singapore Dollar Spot Monthly Timing Arrays



### Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

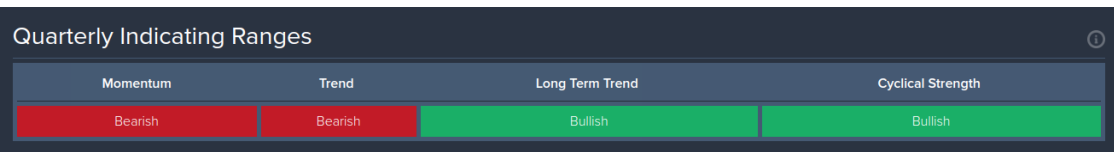
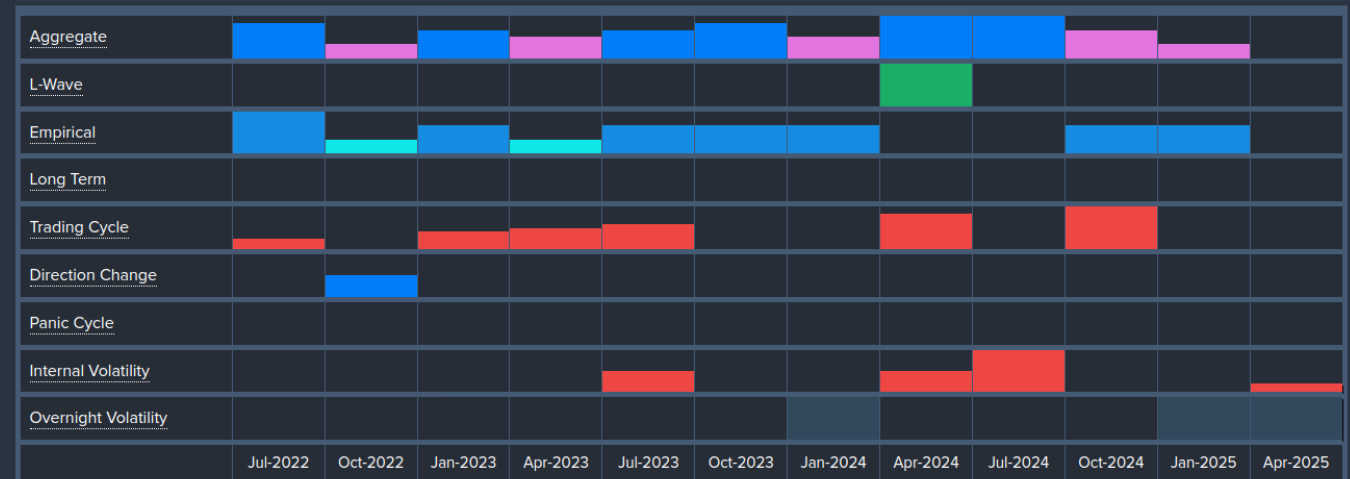
# BITCOIN (as of QUARTERLY close – Sept 2022)



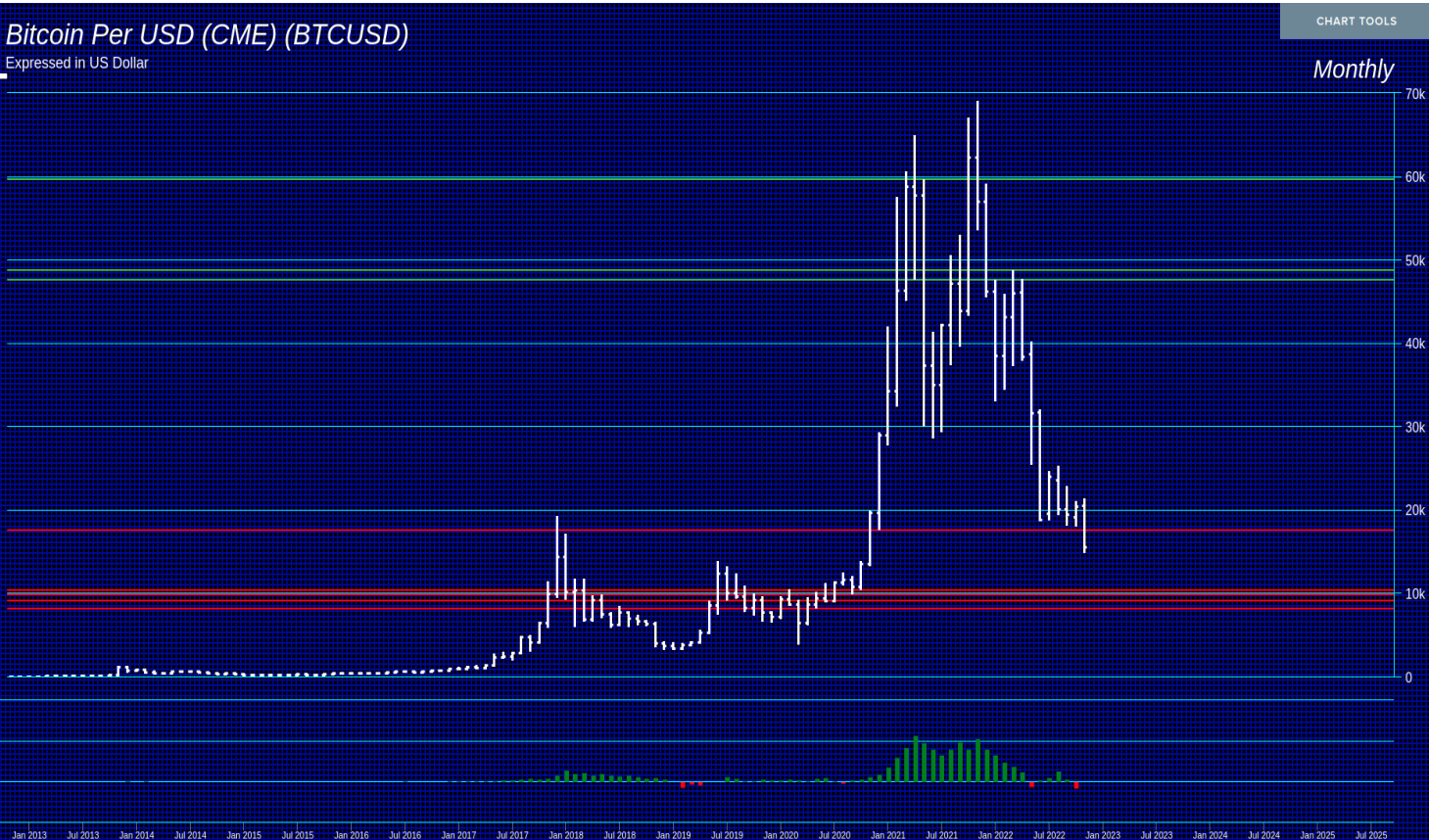
## Quarterly Reversals

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

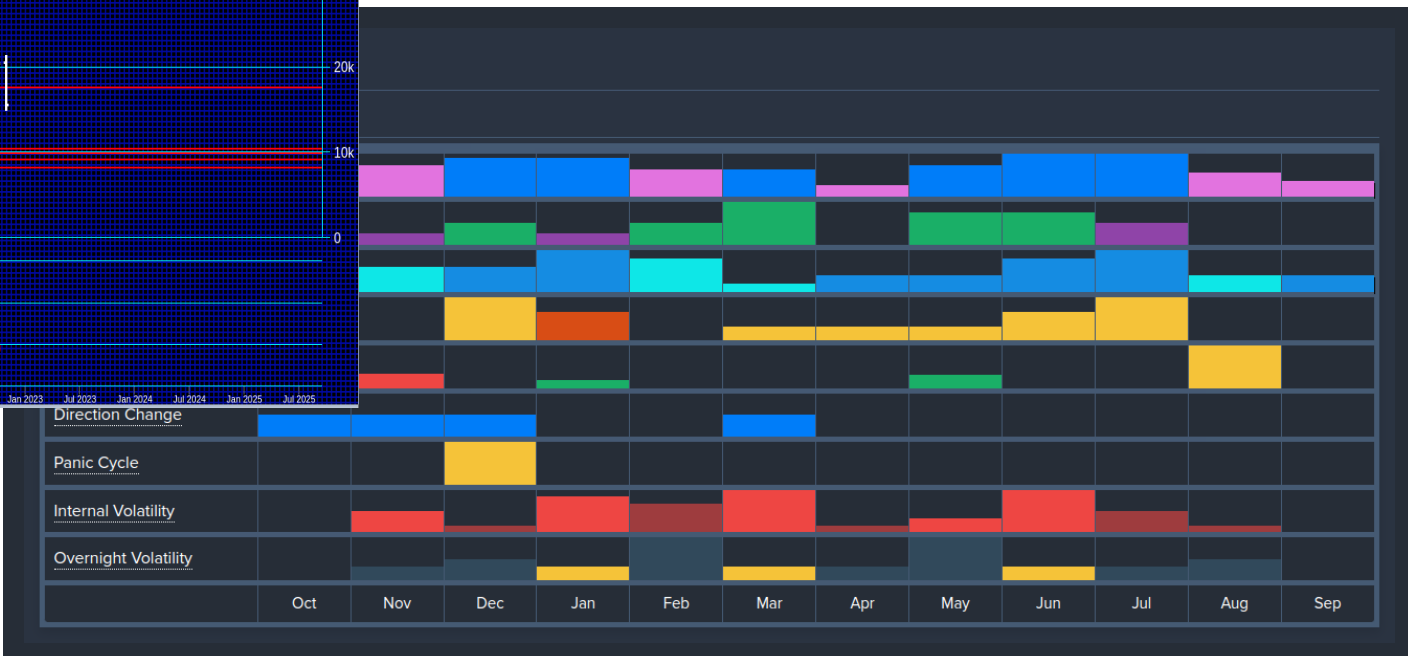


# BITCOIN (as of MONTHLY close – Oct 2022)



### 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

# US DOLLAR (as of YEARLY close – 2021)

US Dollar Index (USDIX)  
Expressed in US Dollar

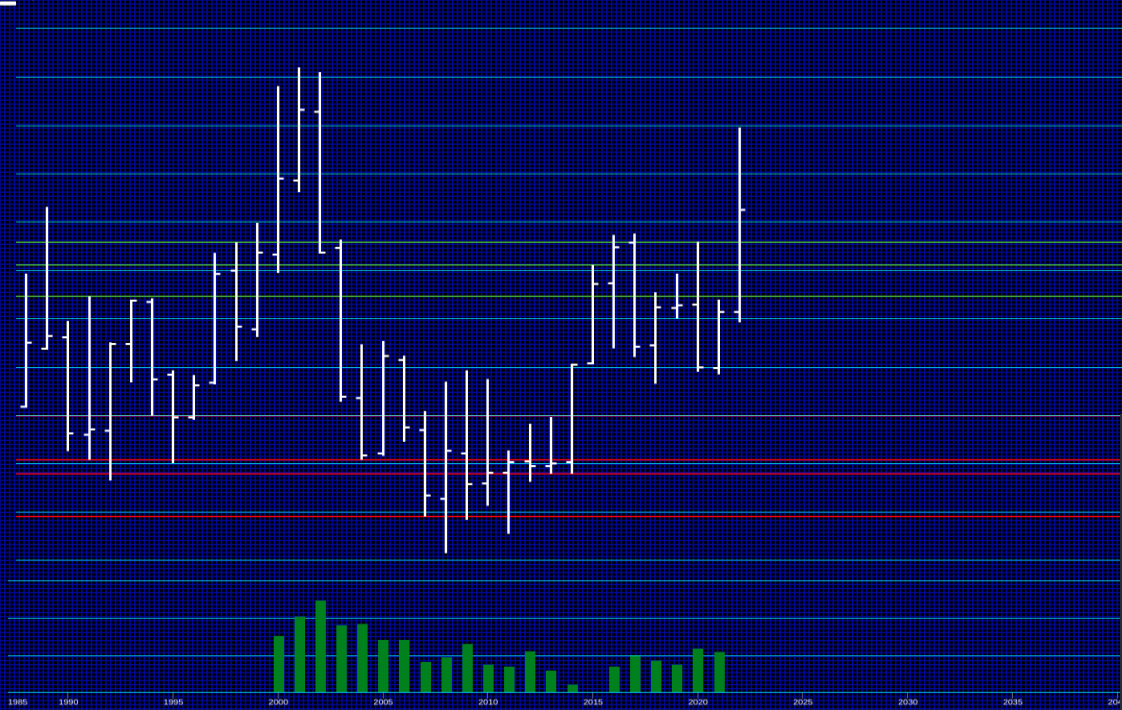


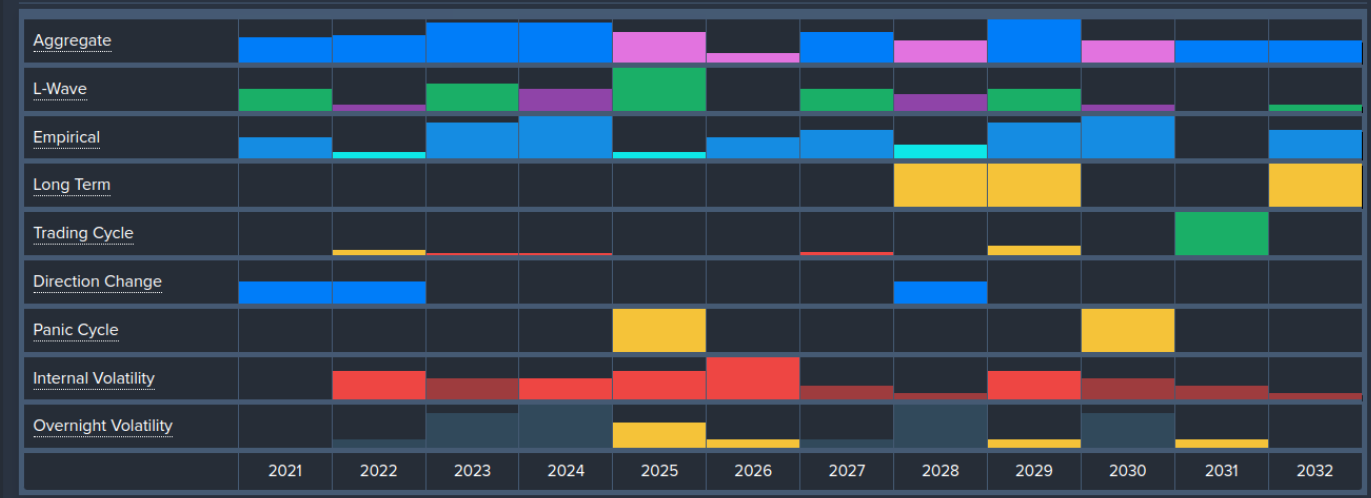
CHART TOOLS

Yearly

## Yearly Reversals

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

## US Dollar Index Yearly Timing Arrays



## 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

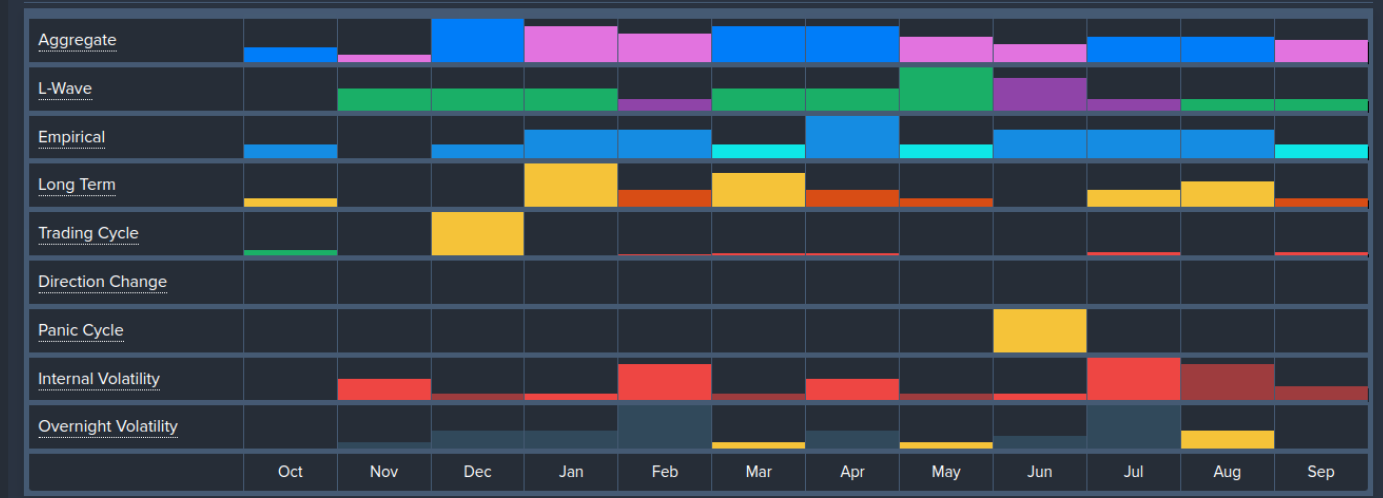
# US DOLLAR (as of MONTHLY close – Oct 2022)



### 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		

### US Dollar Index Monthly Timing Arrays



### Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

# CAN DOLLAR (as of YEARLY close – 2021)

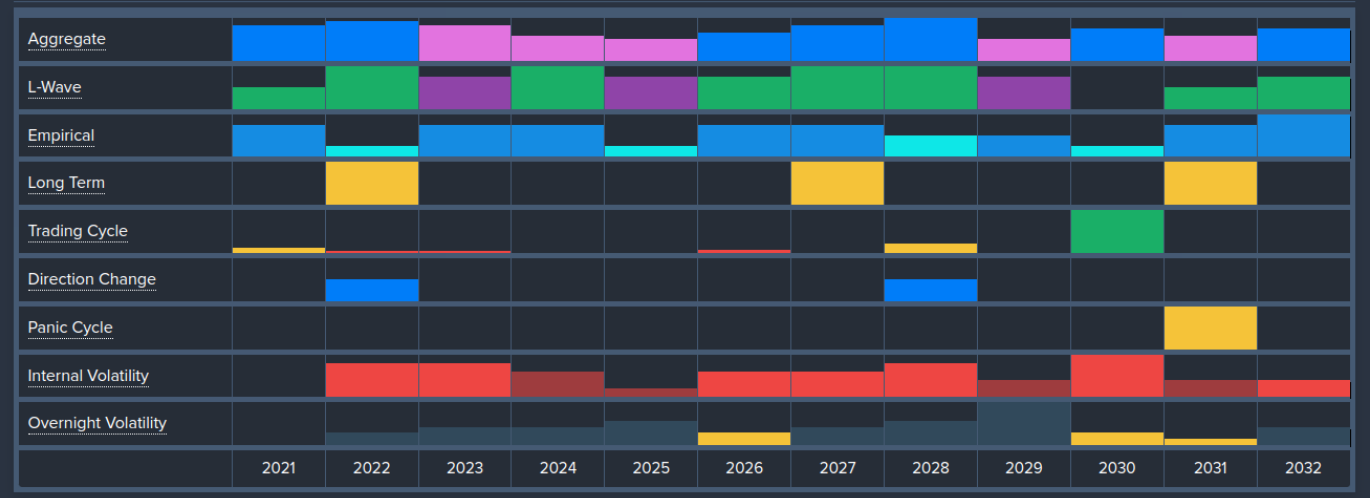
Canadian Dollar Spot (USDCAD)  
Expressed in Canadian Dollar



### Yearly Reversals

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

Canadian Dollar Spot  
Yearly Timing Arrays



Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Neutral	Neutral	Bearish

# GLOBAL BONDS

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2022 WEC Global Markets Overview

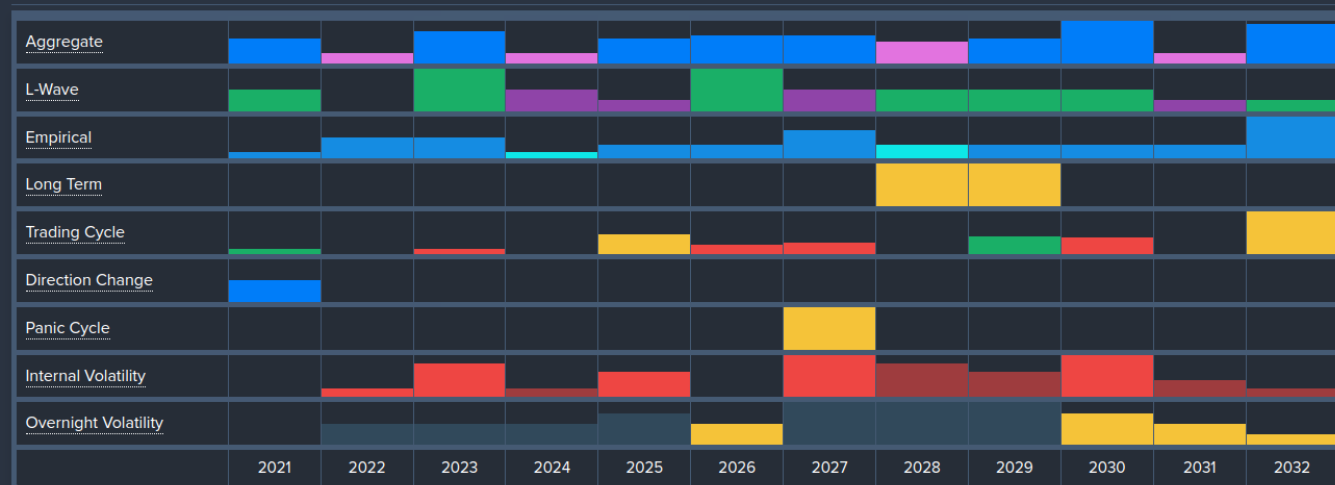
# US 10-YR (as of YEARLY close – 2021)



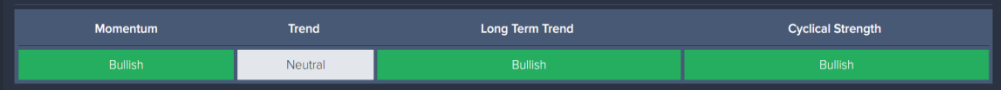
### Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		147.80	140.70
		146.70	125.60
			125.10

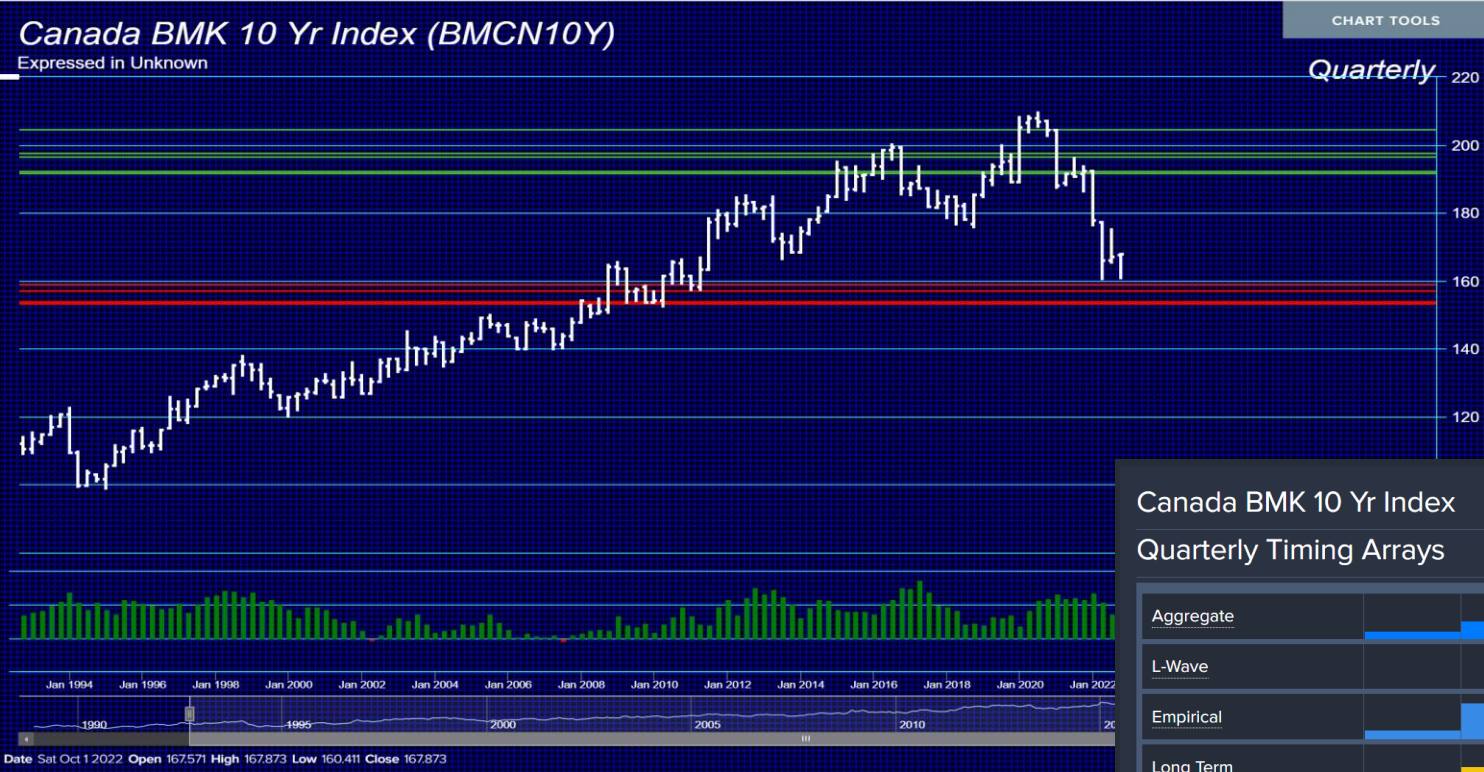
## US BMK 10 Yr Index Yearly Timing Arrays



### Yearly Indicating Ranges

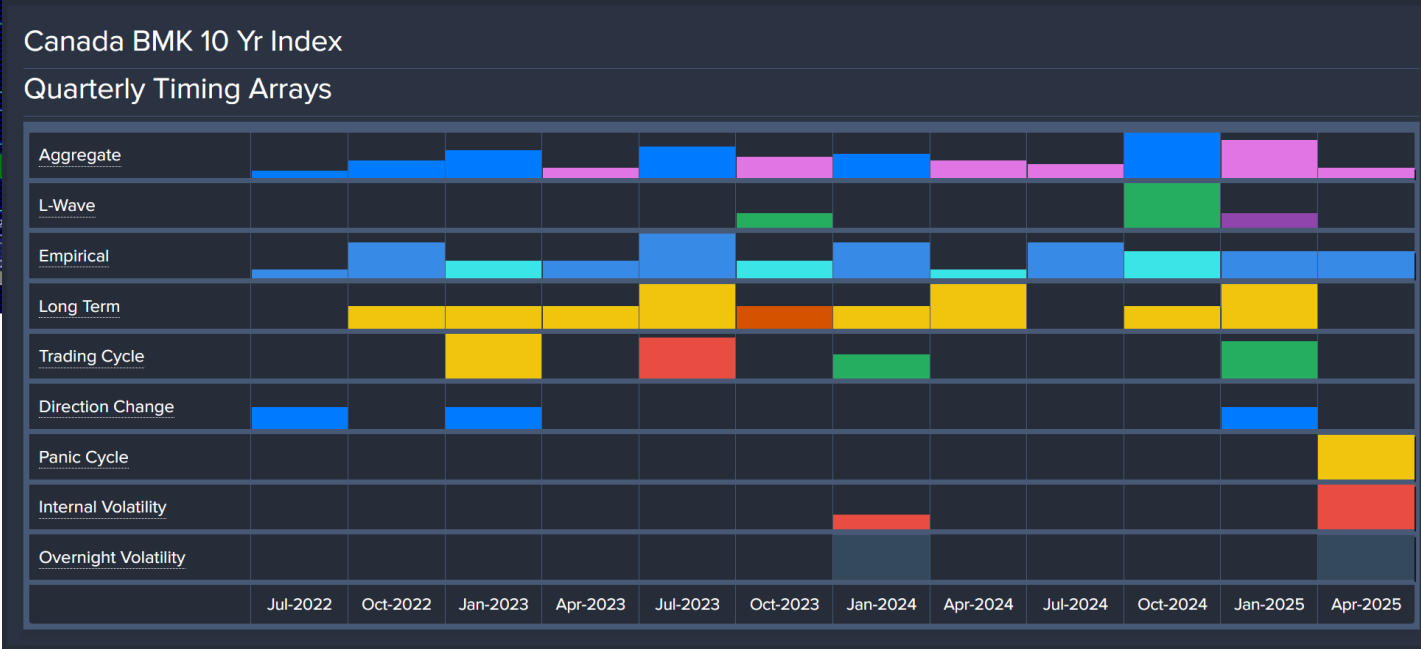


# US 10-YR (as of QUARTERLY close – Sept 2022)



## 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



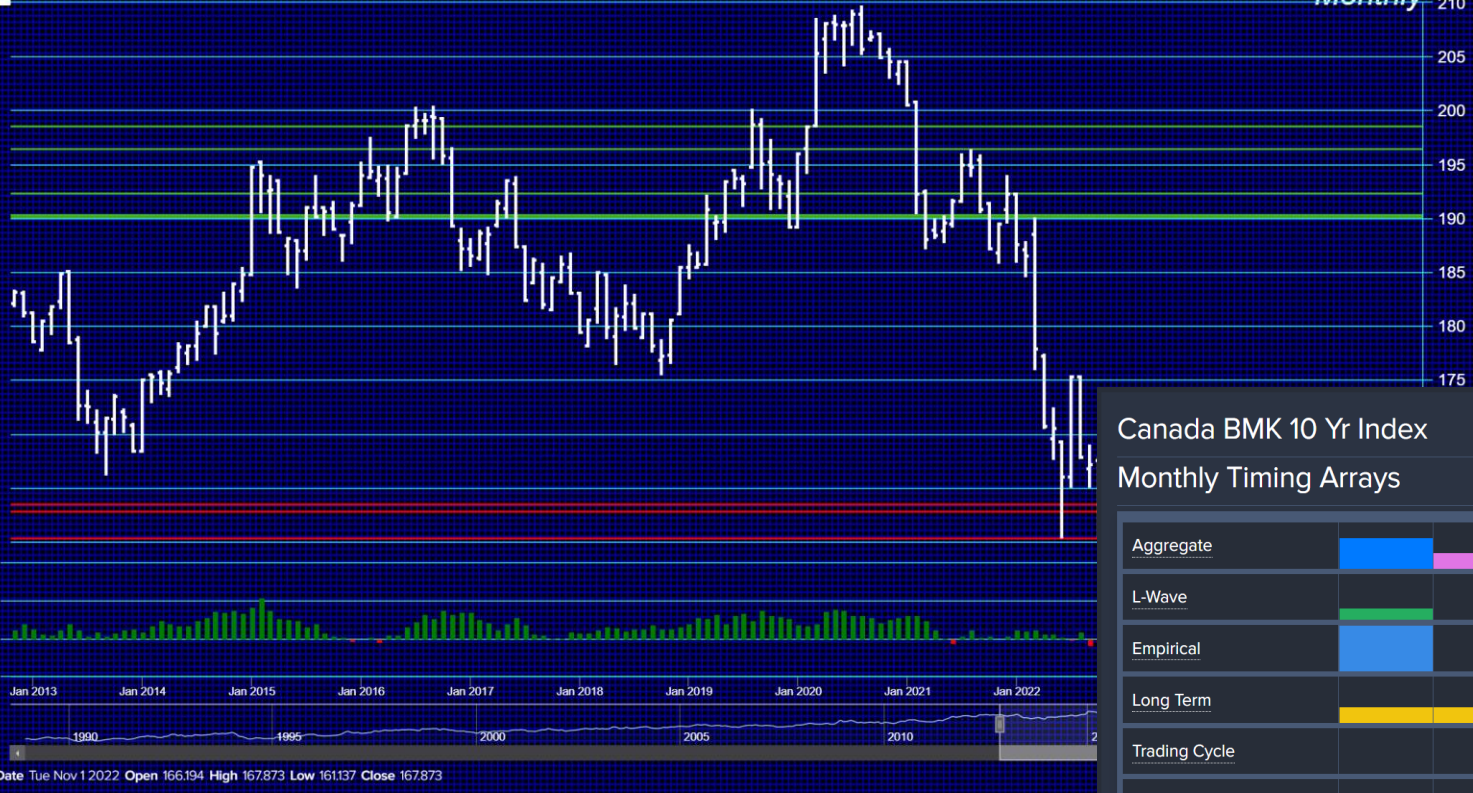
### Quarterly Indicating Ranges

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)

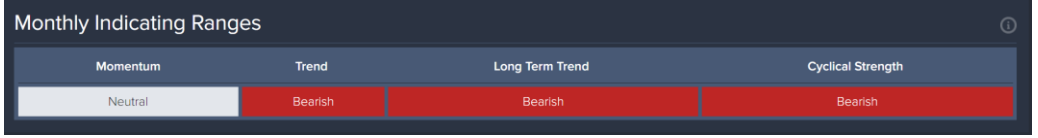
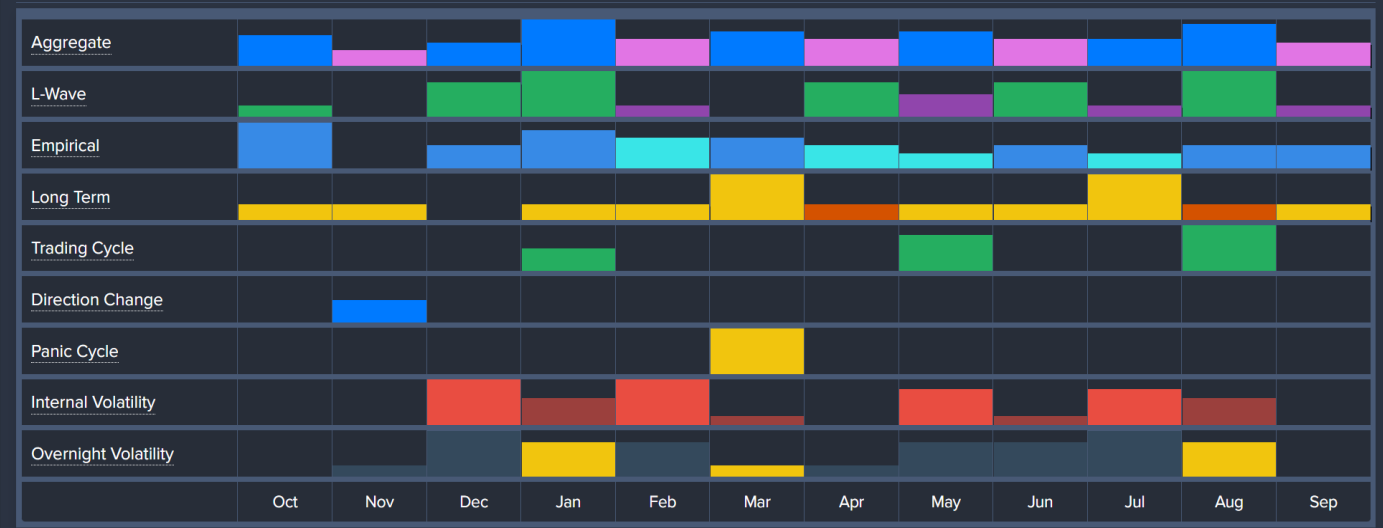
Expressed in Unknown



## 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

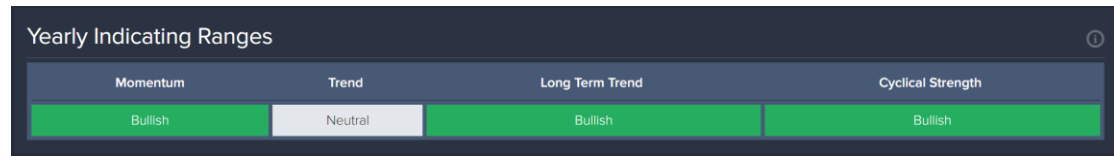
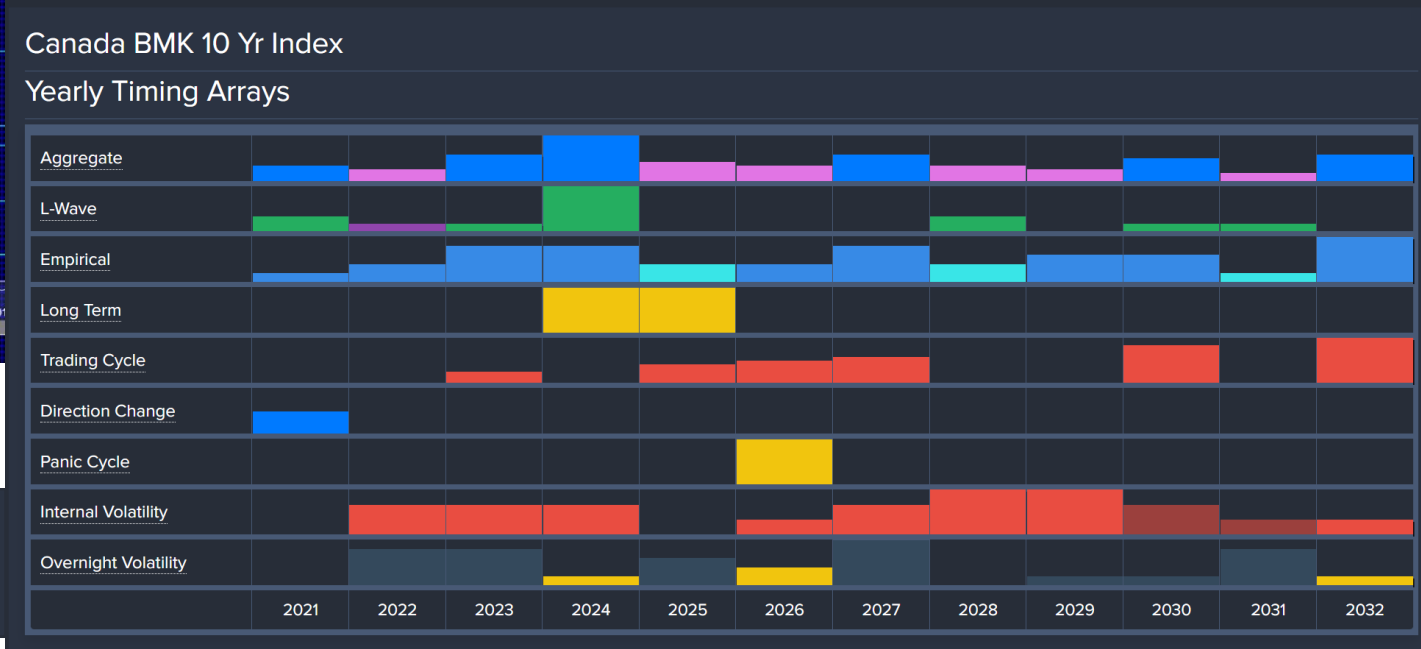


# CANADIAN 10-YR (as of YEARLY close – 2021)



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		183.41	166.11
		181.51	153.32
			152.26

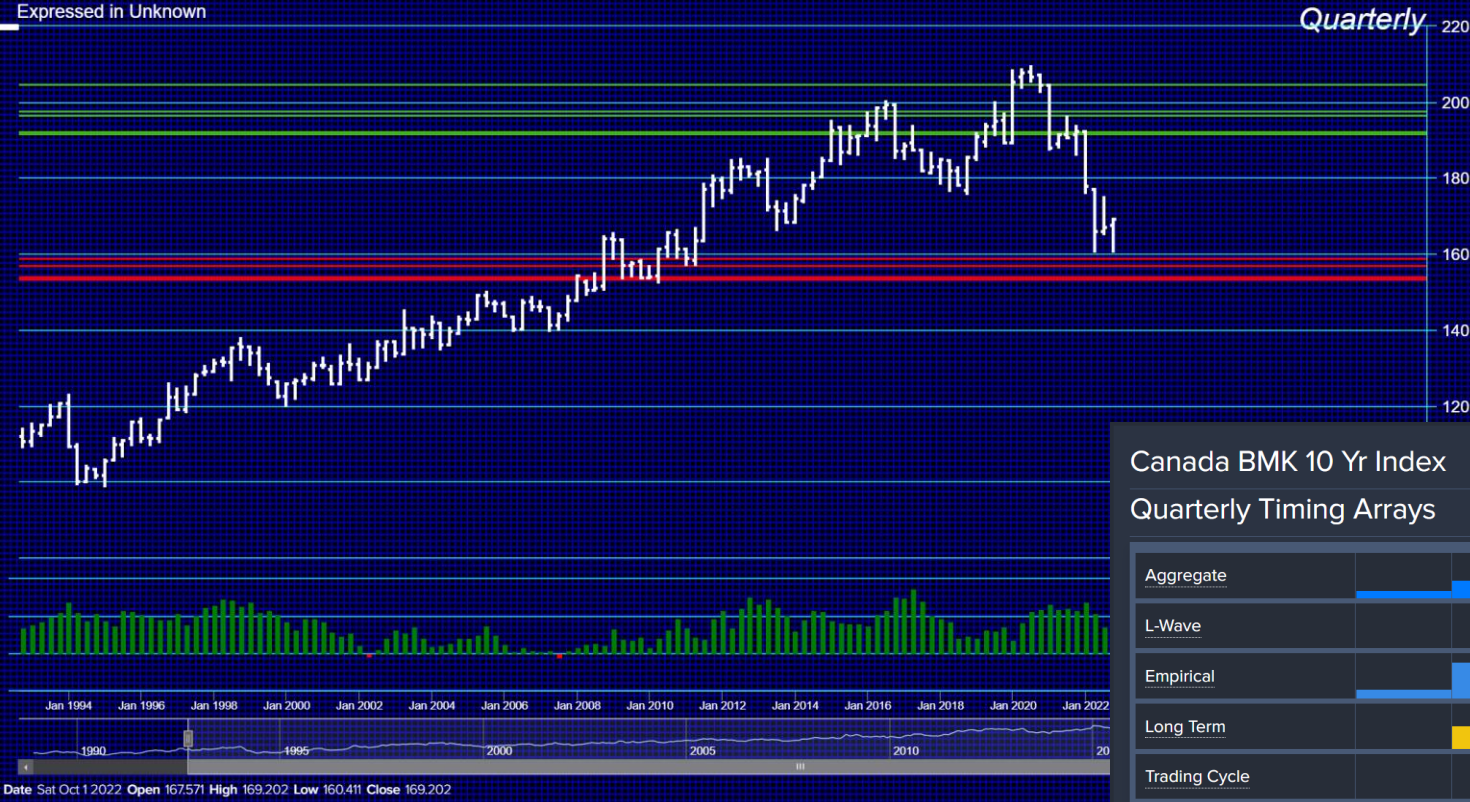




# CANADIAN 10-YR (as of QUARTERLY close – Sept 2022)

## Canada BMK 10 Yr Index (BMCN10Y)

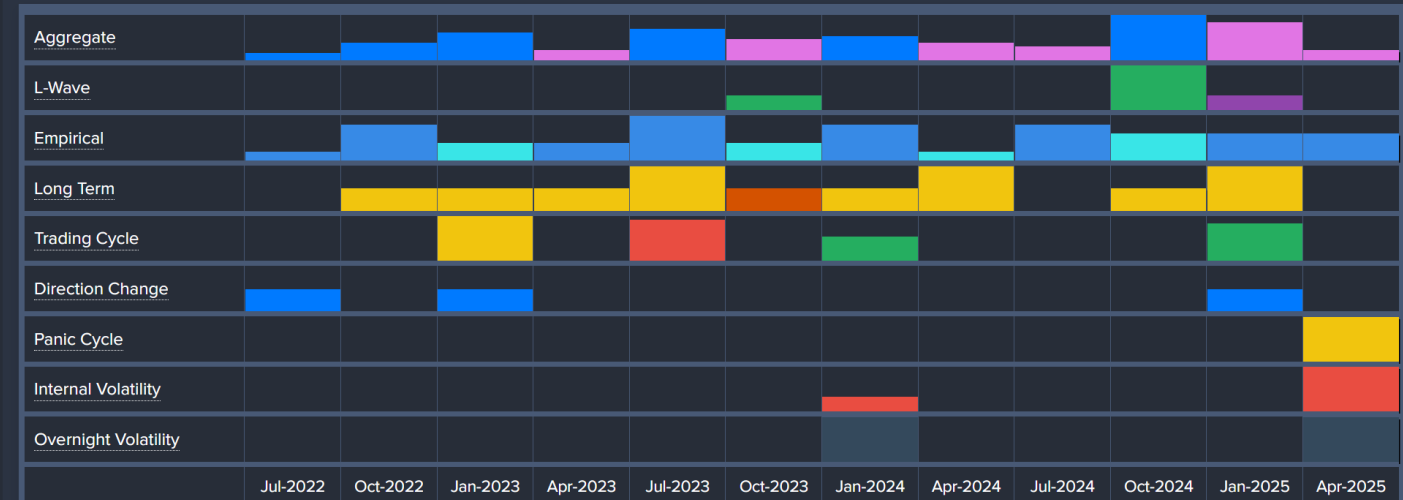
Expressed in Unknown



## 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)

## Canada BMK 10 Yr Index (BMCN10Y)

Expressed in Unknown

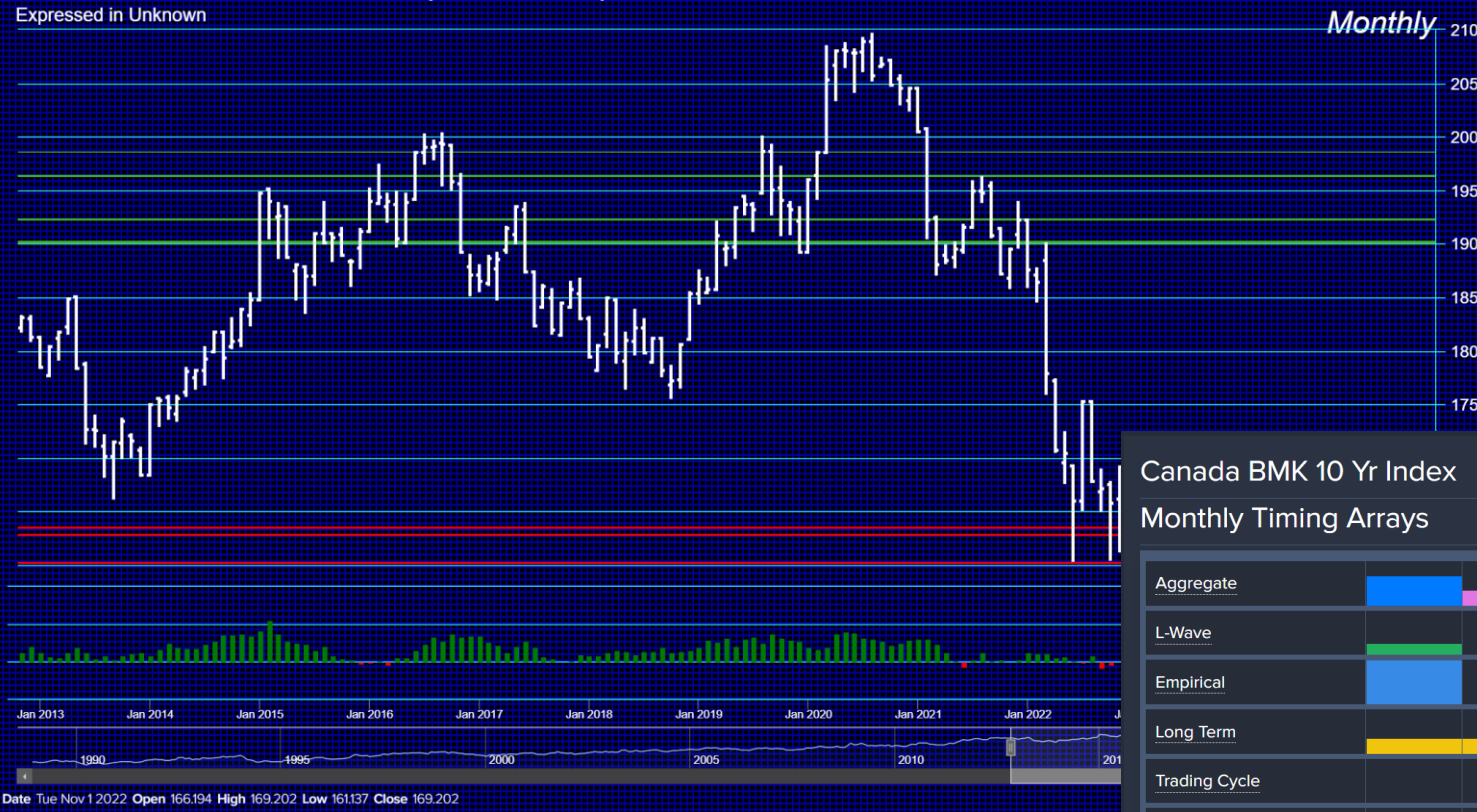


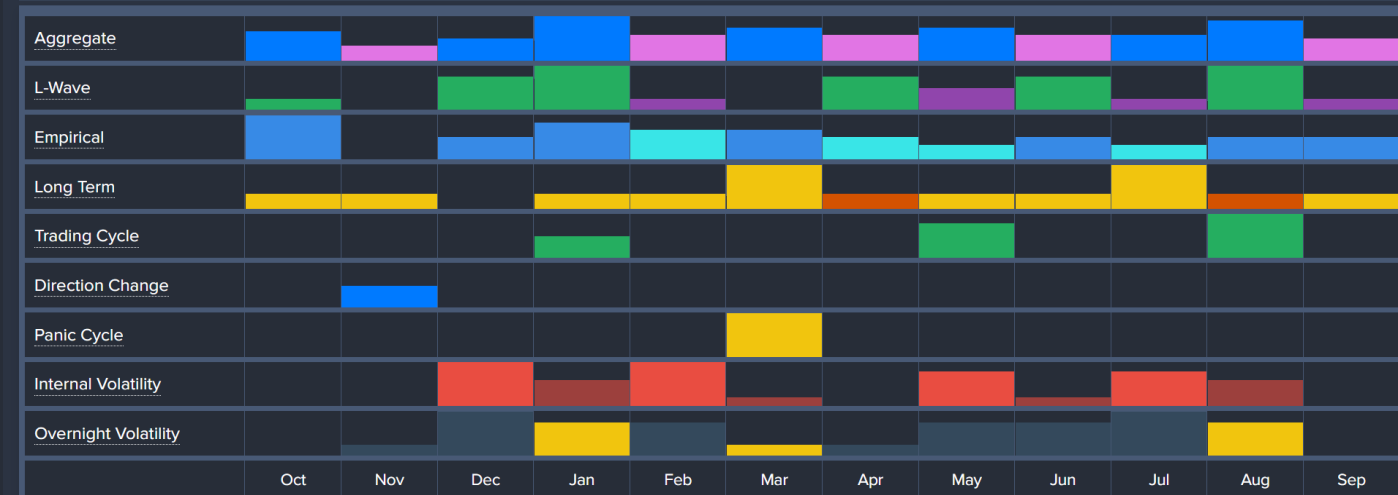
CHART TOOLS

Monthly

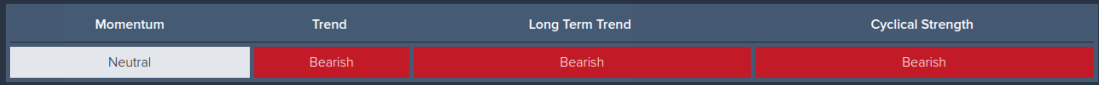
## Monthly Reversals

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

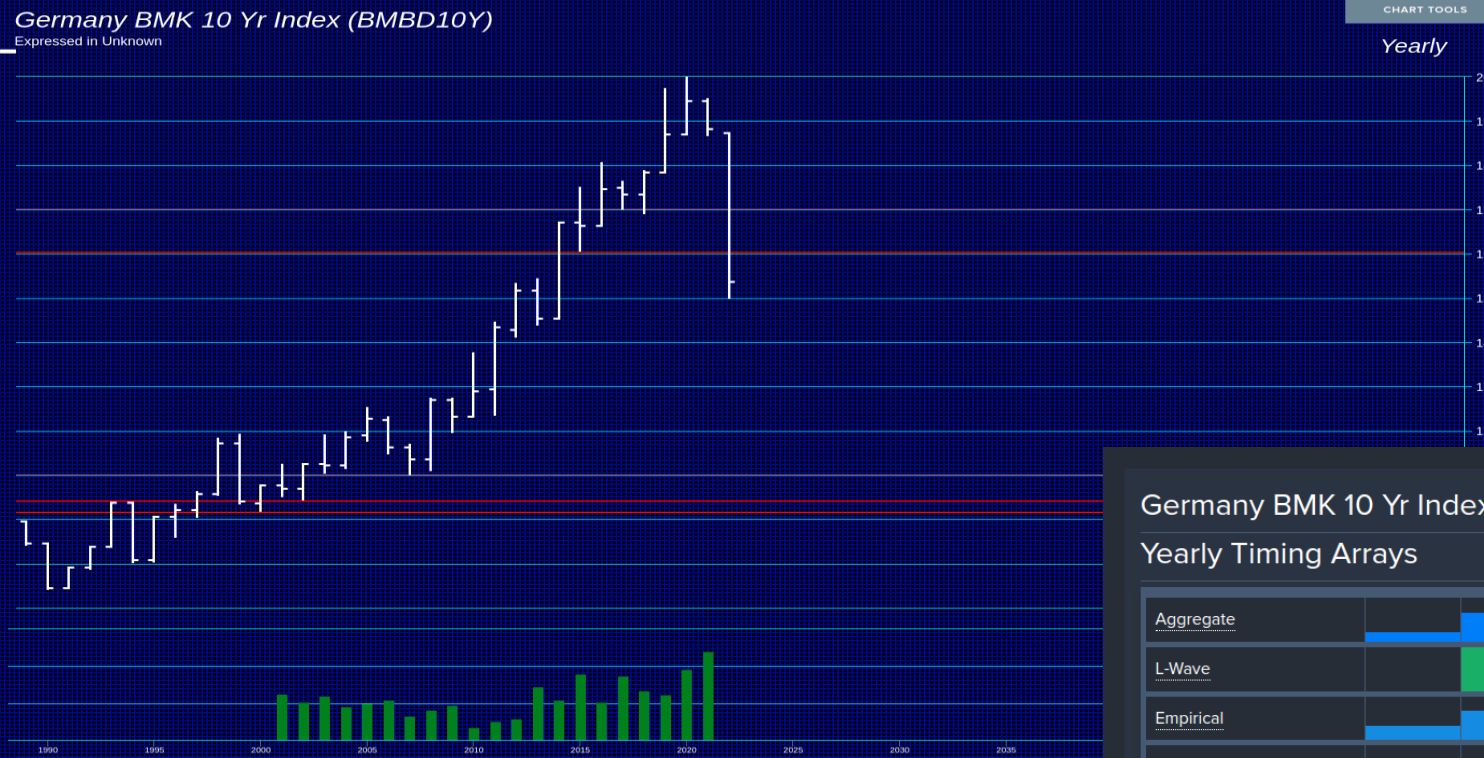
## Canada BMK 10 Yr Index Monthly Timing Arrays



## Monthly Indicating Ranges



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

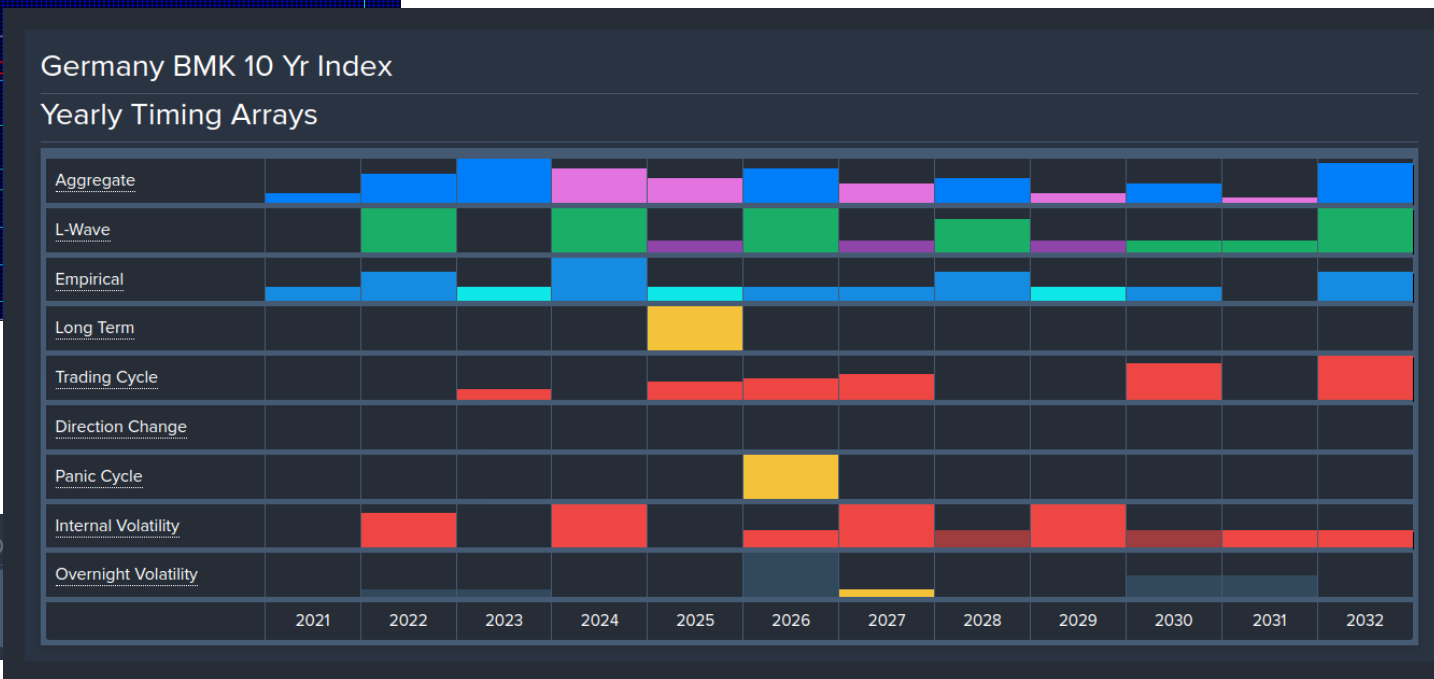


## Yearly Reversals

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



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

Germany BMK 10 Yr Index (BMBD10Y)  
Expressed in Unknown



CHART TOOLS  
Quarterly

## Quarterly Reversals

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

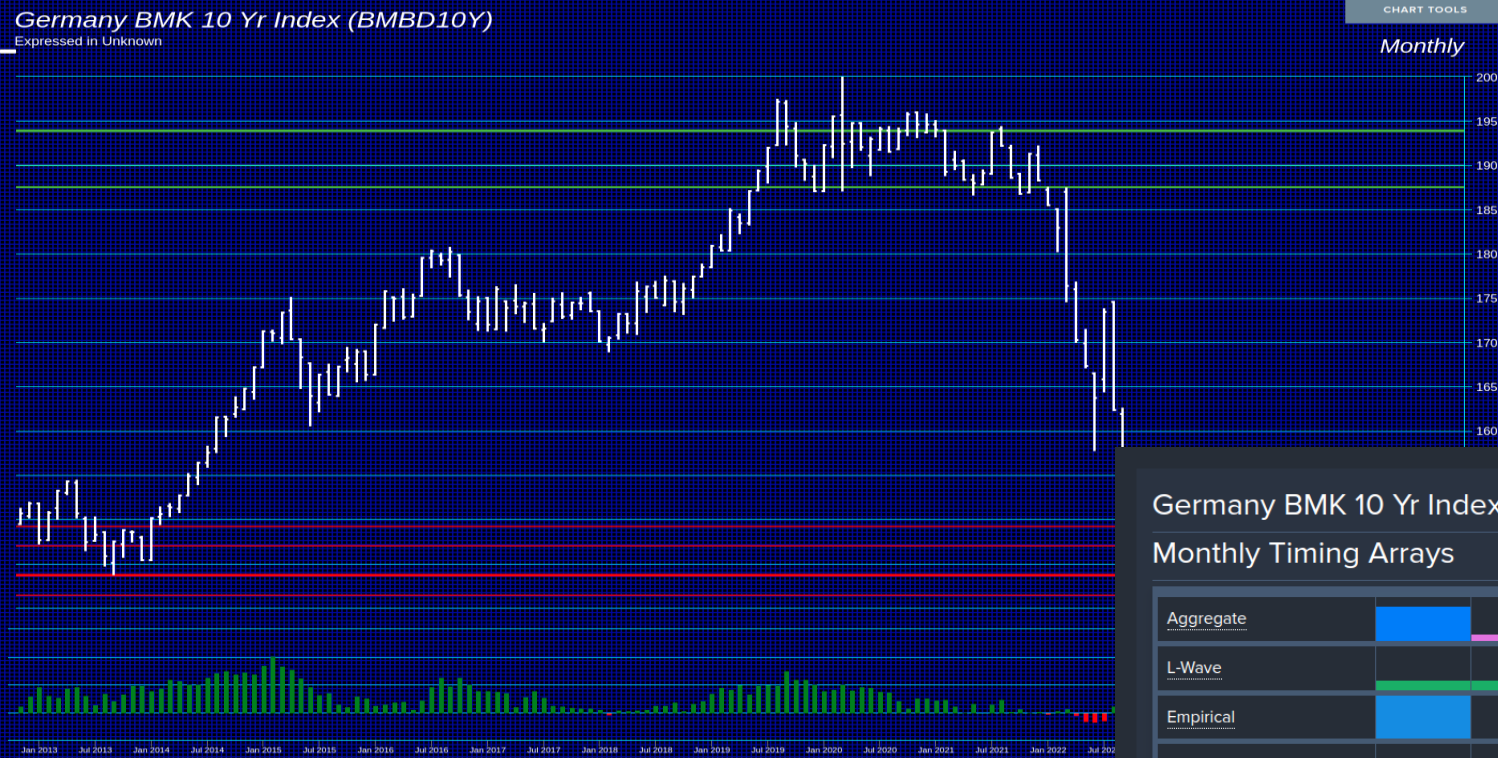
## Germany BMK 10 Yr Index Quarterly Timing Arrays

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

### Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

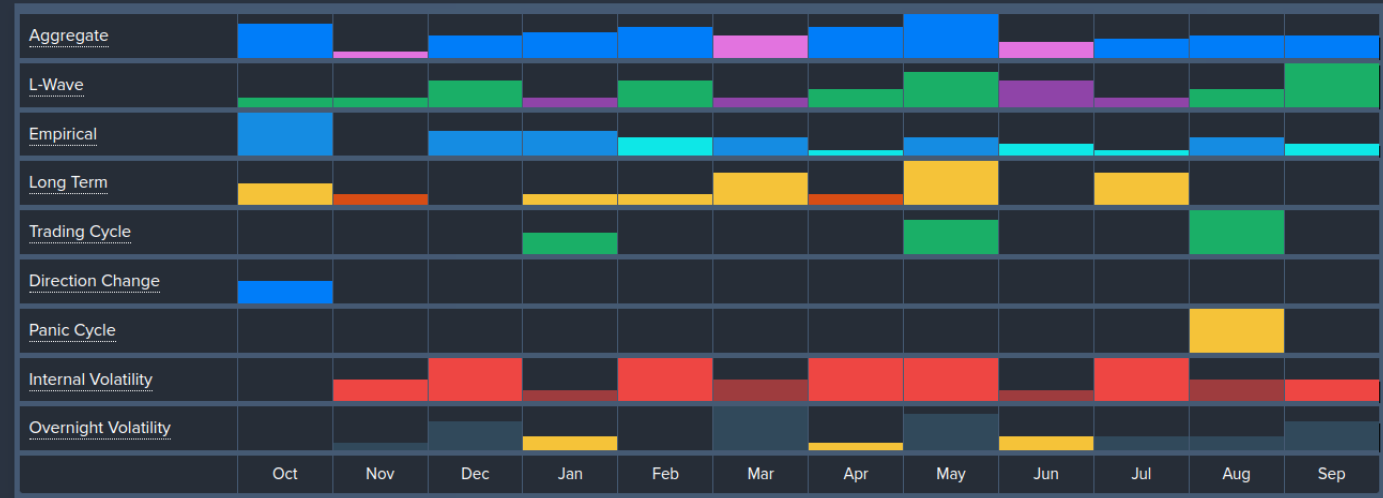
# GERMAN 10 YR (as of MONTHLY close – Oct 2022)



## 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



### Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

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

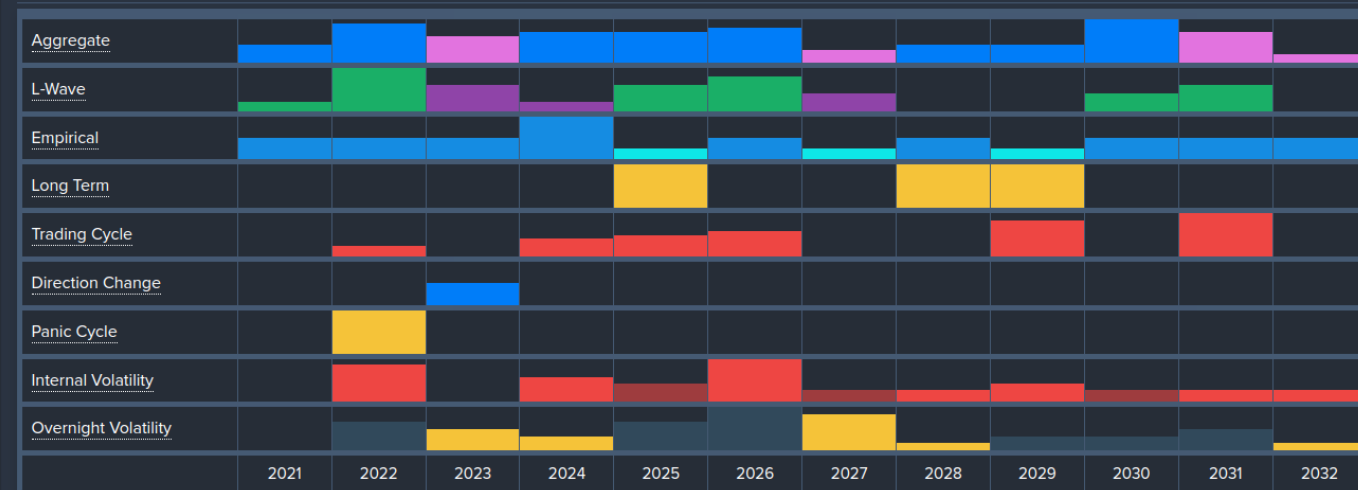
France BMK 10 Yr Index (BMFR10Y)  
Expressed in Unknown



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		197.70	165.00
		169.00	145.40
		131.20	

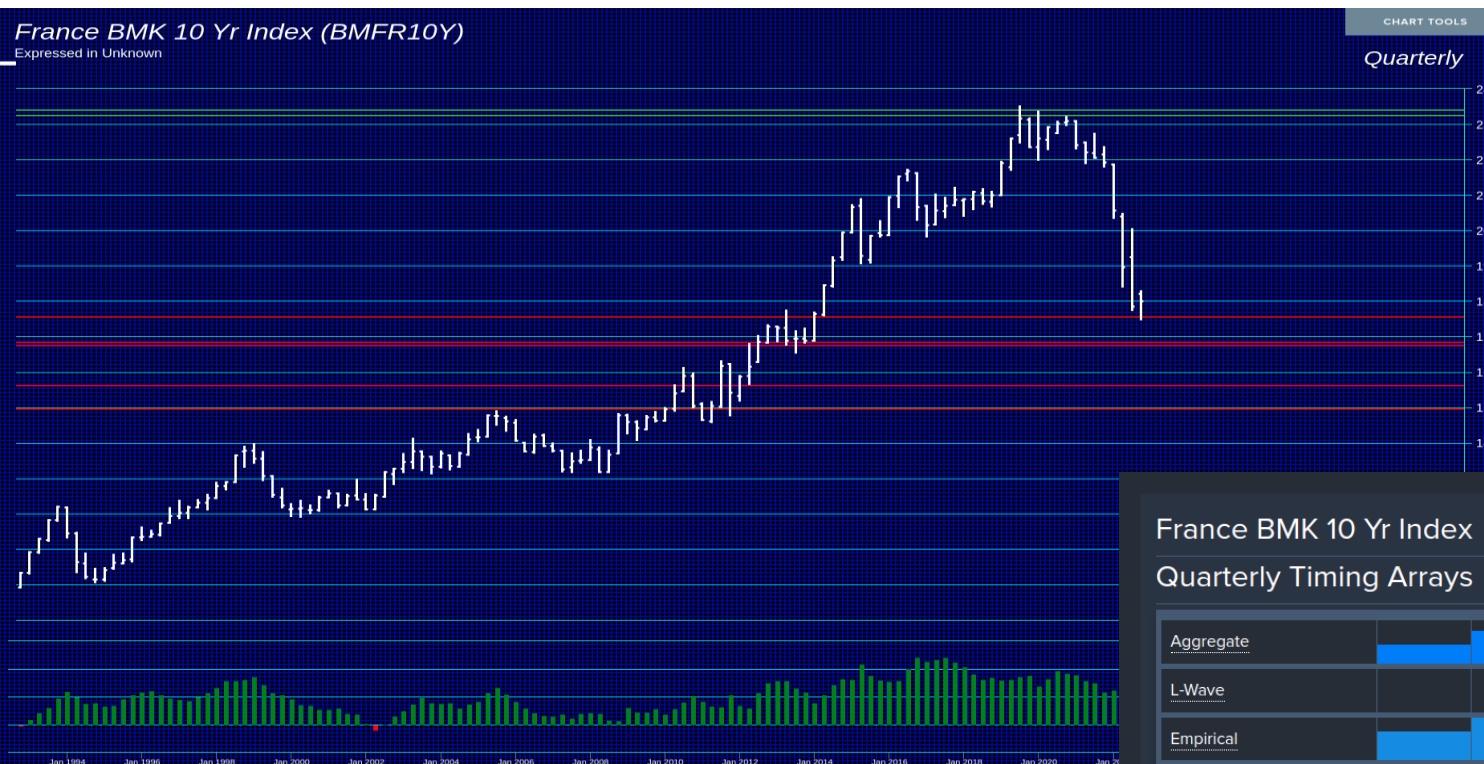
## France BMK 10 Yr Index Yearly Timing Arrays



## Yearly Indicating Ranges

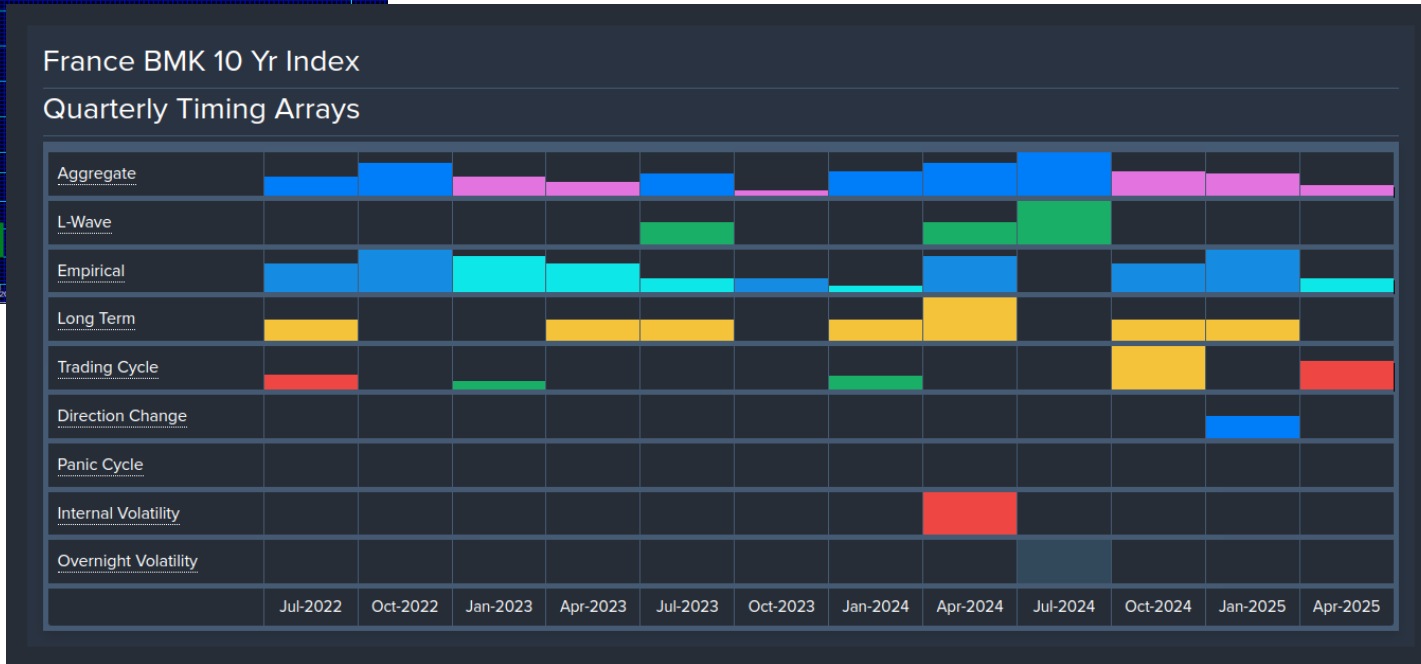
Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

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



## Quarterly Reversals

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

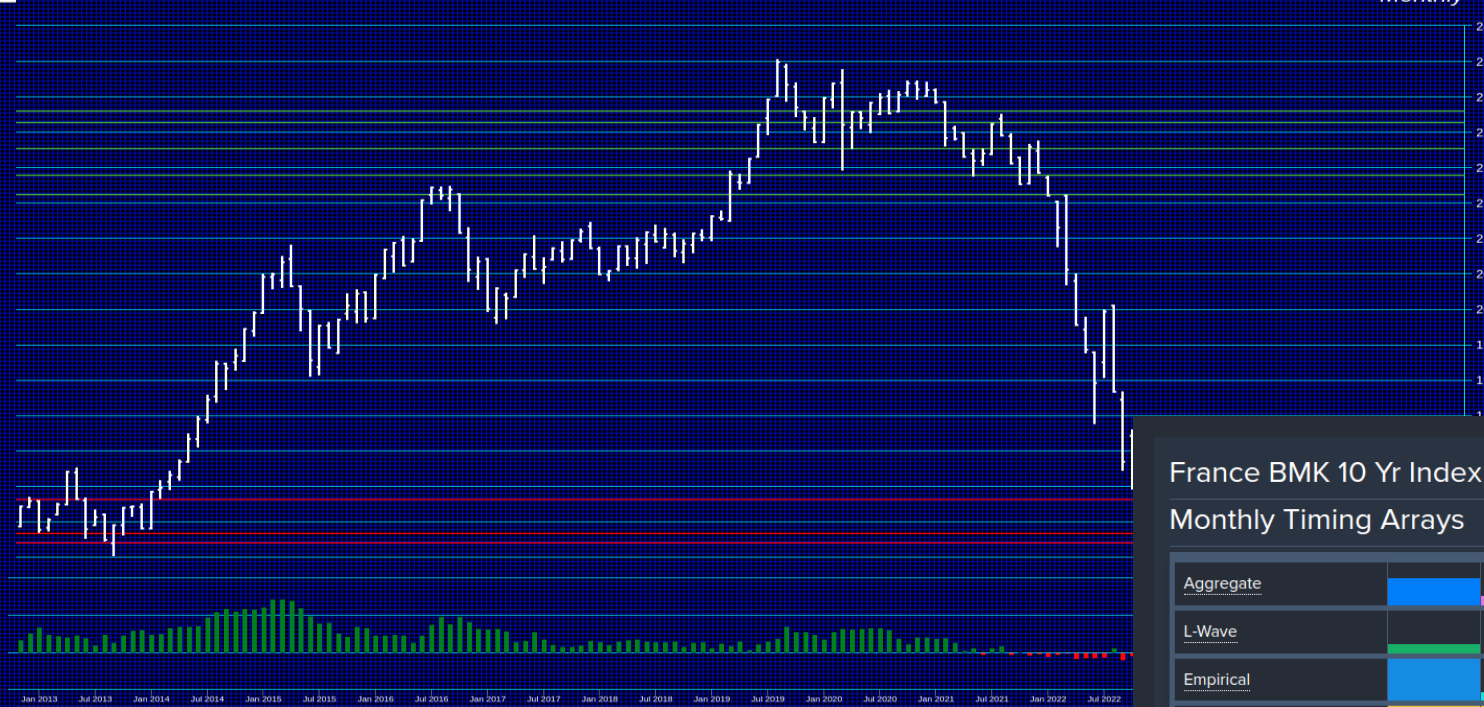


### Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

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

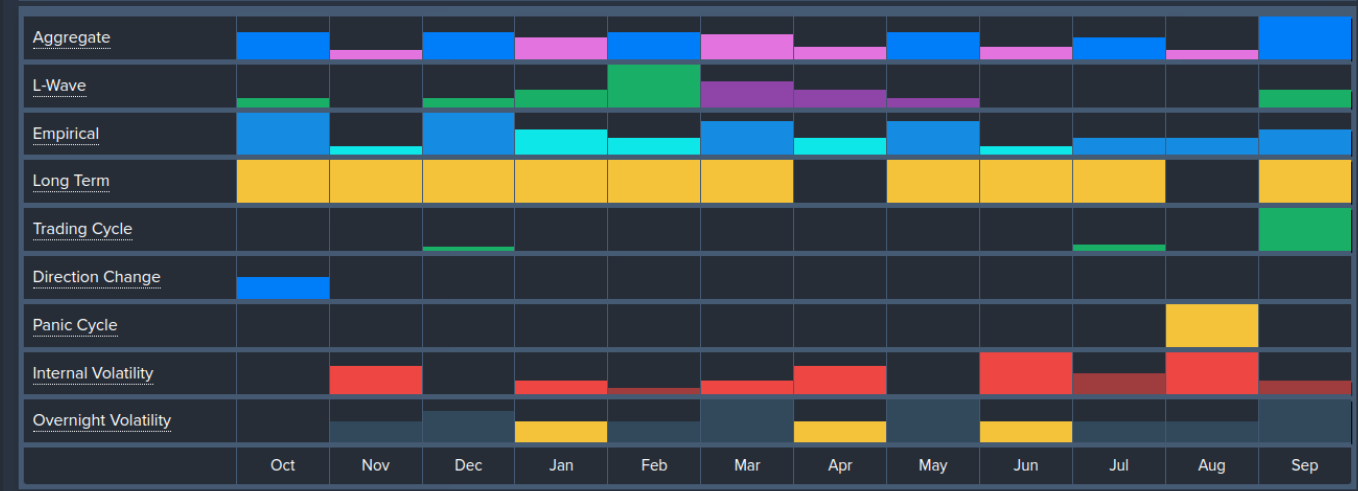
France BMK 10 Yr Index (BMFR10Y)  
Expressed in Unknown



### 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)

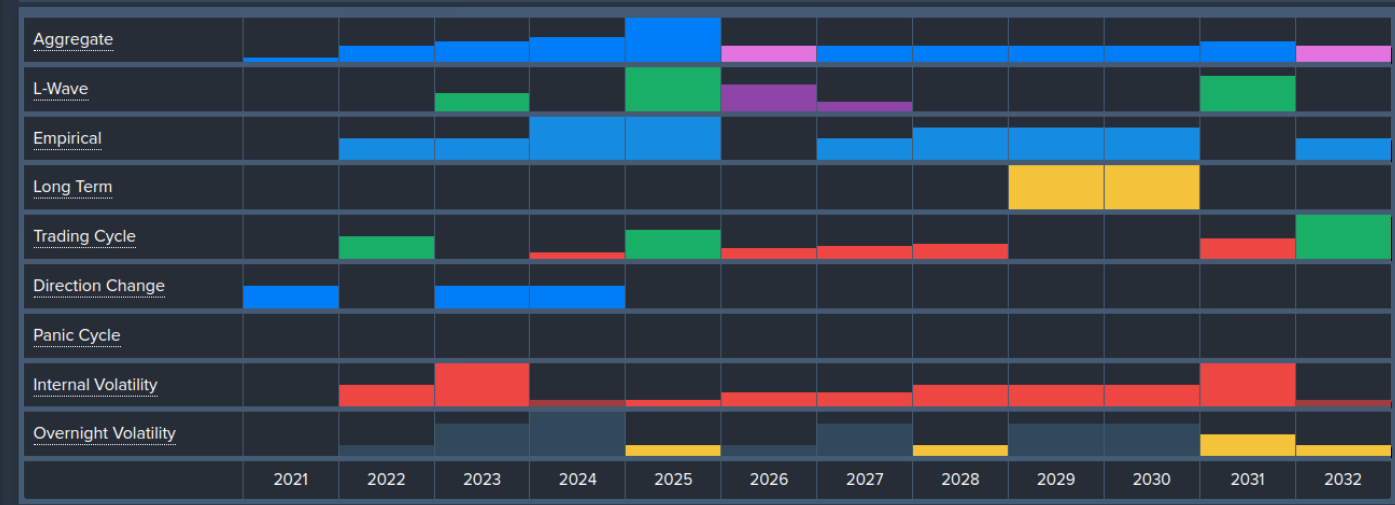
Italy BMK 10 Yr Index (BMIT10Y)  
Expressed in Unknown



### Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
			153.40
			151.80

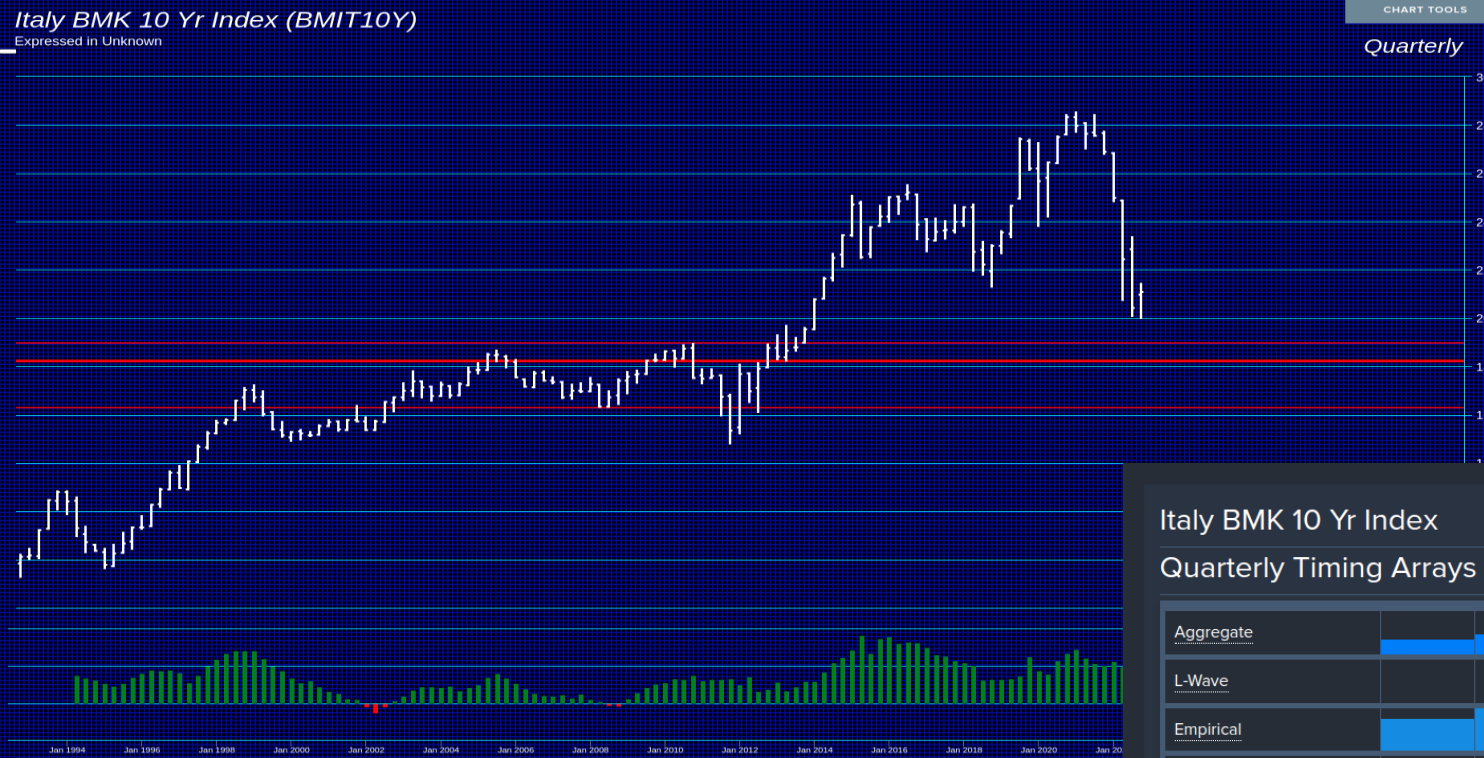
Italy BMK 10 Yr Index  
Yearly Timing Arrays



Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

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



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		182.30	189.80
		182.04	182.50
			163.00

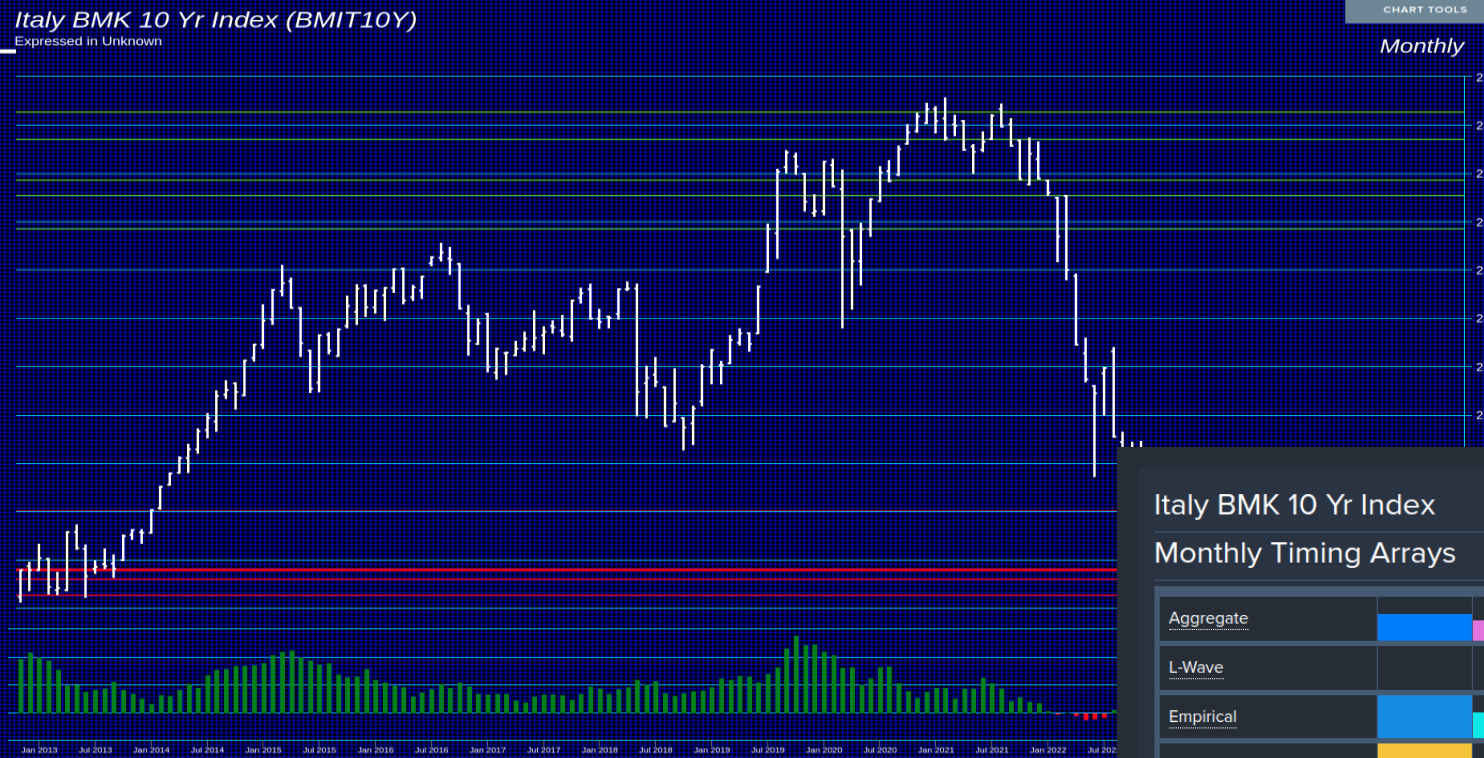
### Italy BMK 10 Yr Index Quarterly Timing Arrays

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

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

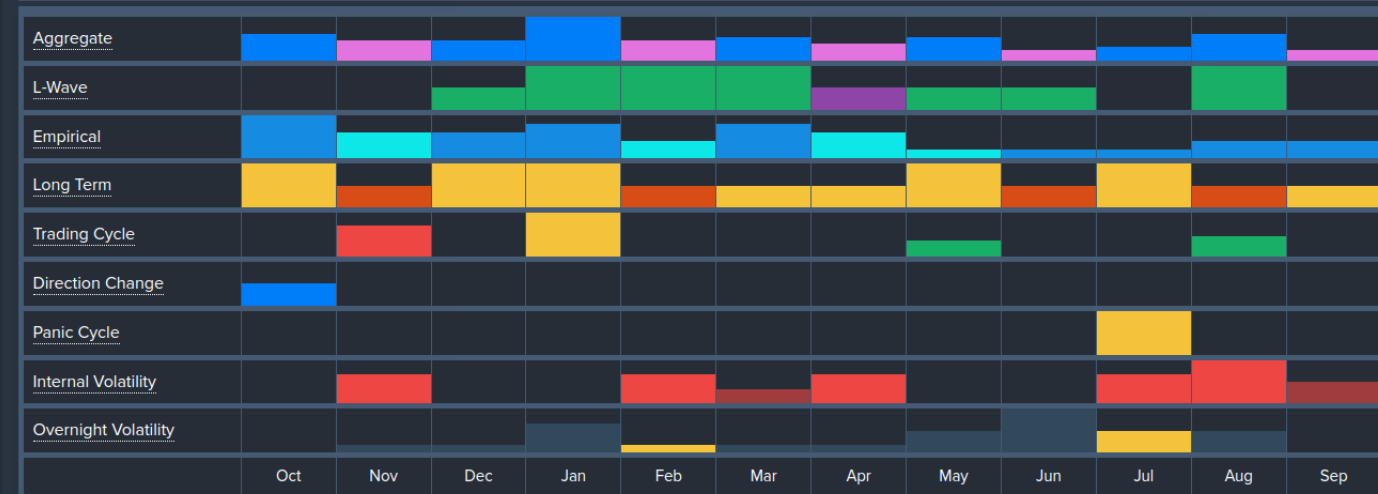


## Monthly Reversals

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			

### Italy BMK 10 Yr Index

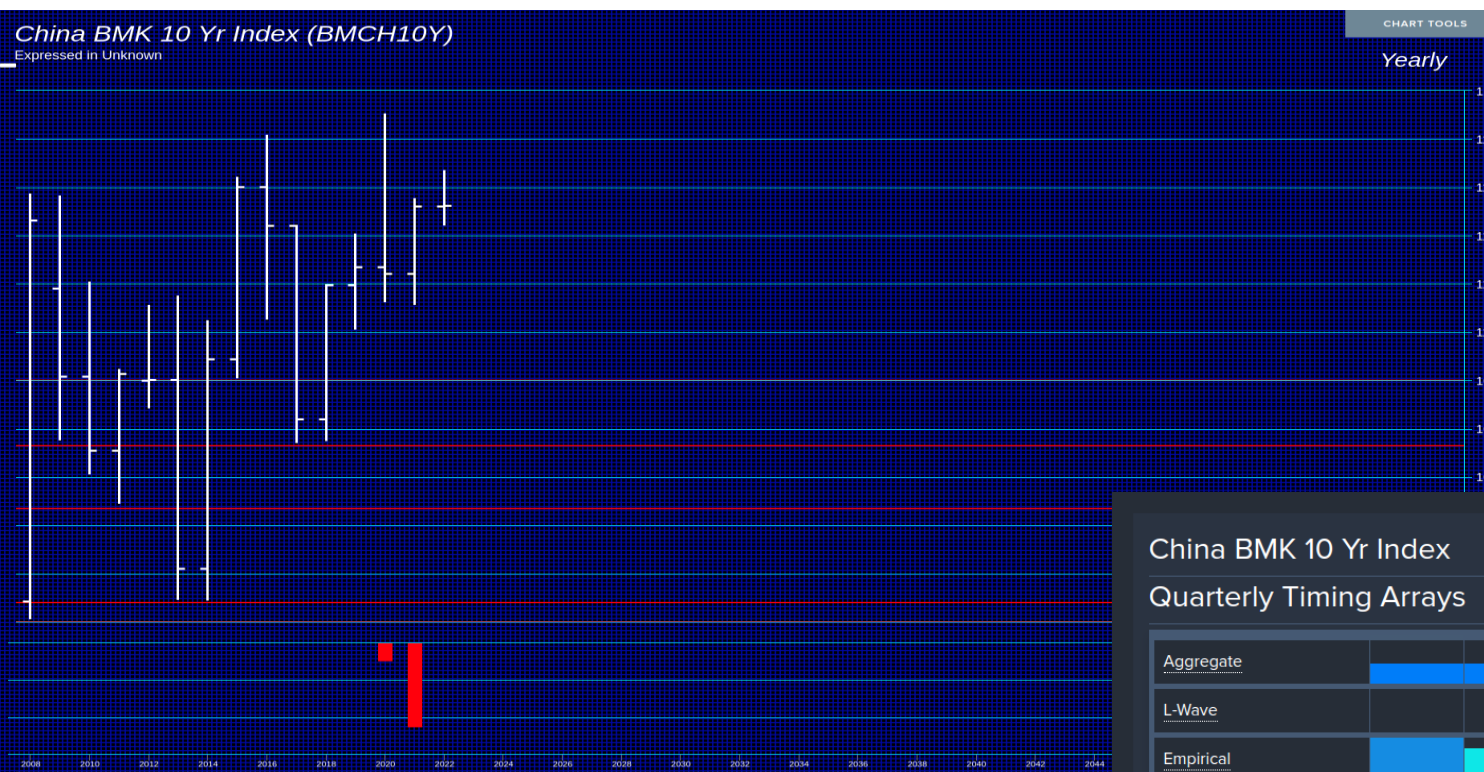
#### Monthly Timing Arrays



#### Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

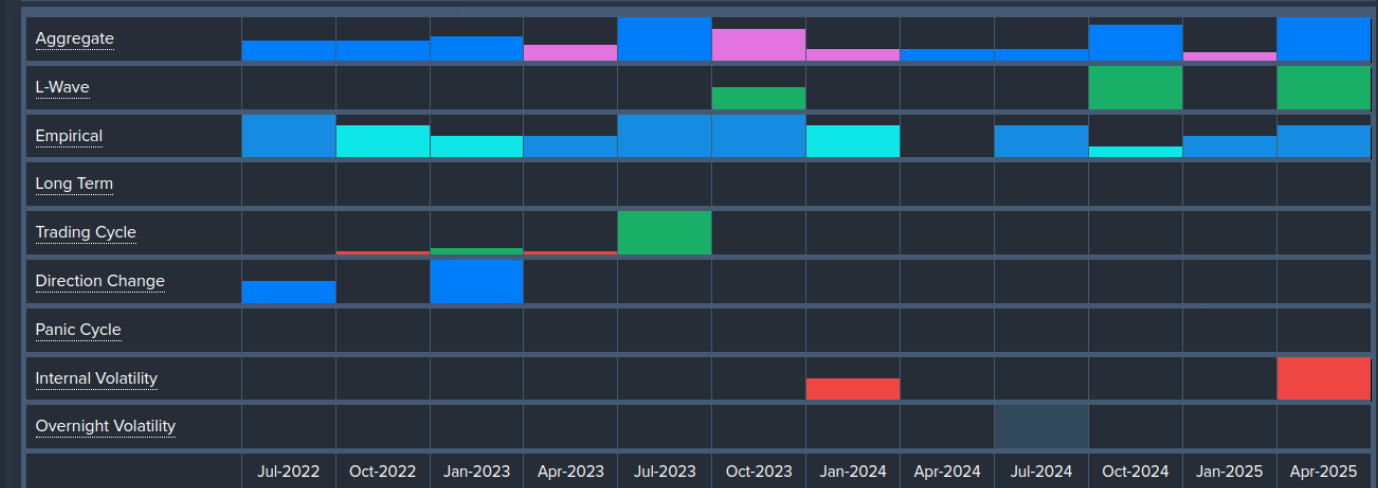
# CHINESE 10-YR(as of YEARLY close – 2021)



### Yearly Reversals

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

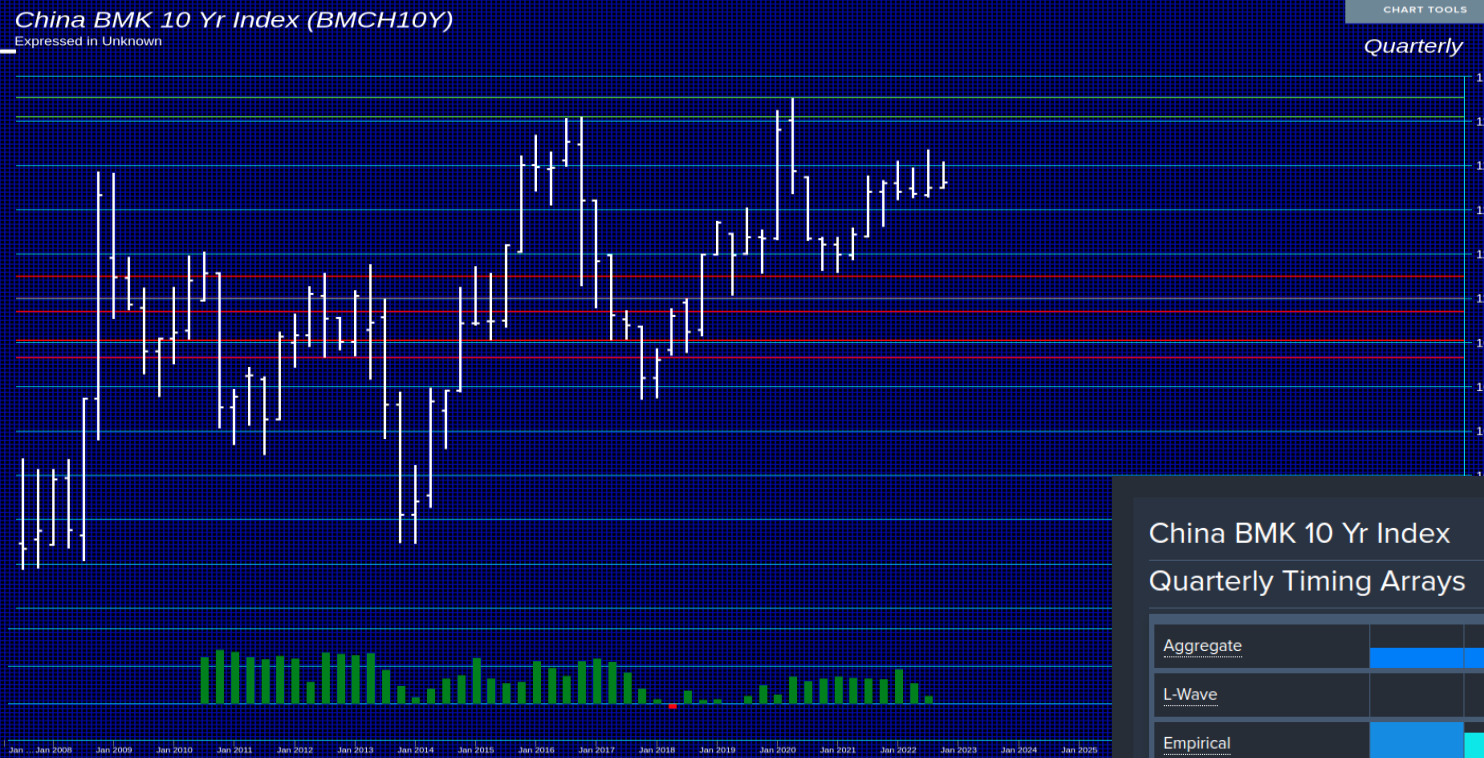
## China BMK 10 Yr Index Quarterly Timing Arrays



### Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Neutral	Neutral

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



### Quarterly Reversals

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

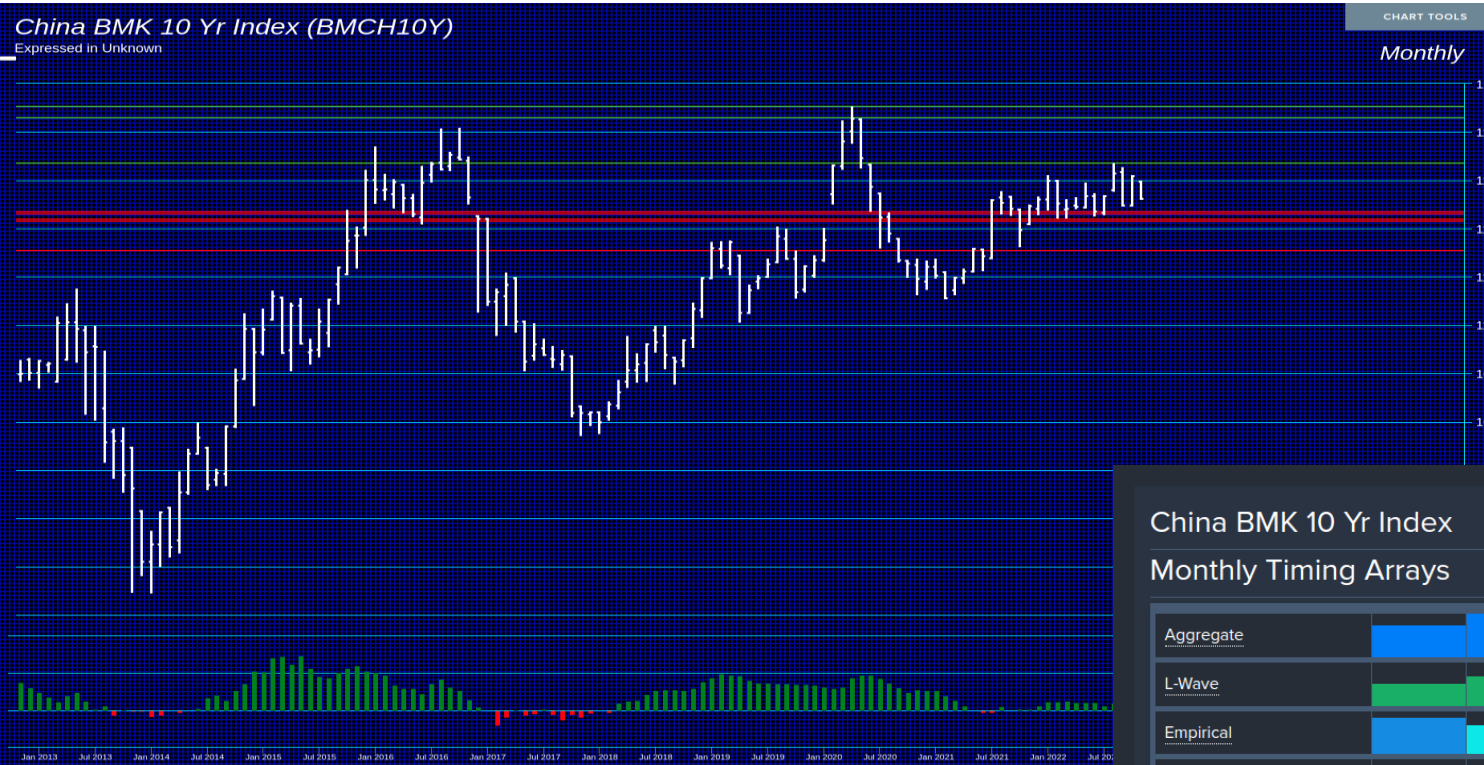
## China BMK 10 Yr Index Quarterly Timing Arrays

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

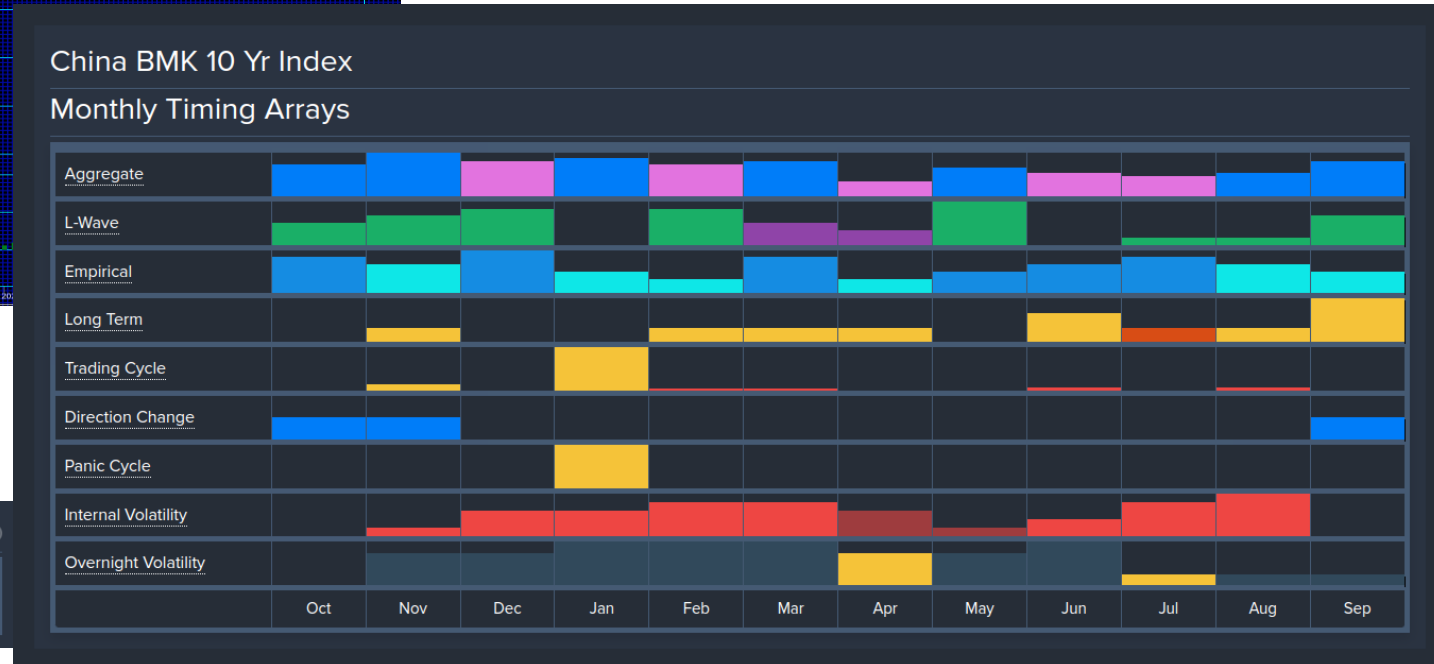
Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Bullish	Bullish	Neutral

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



### Monthly Reversals

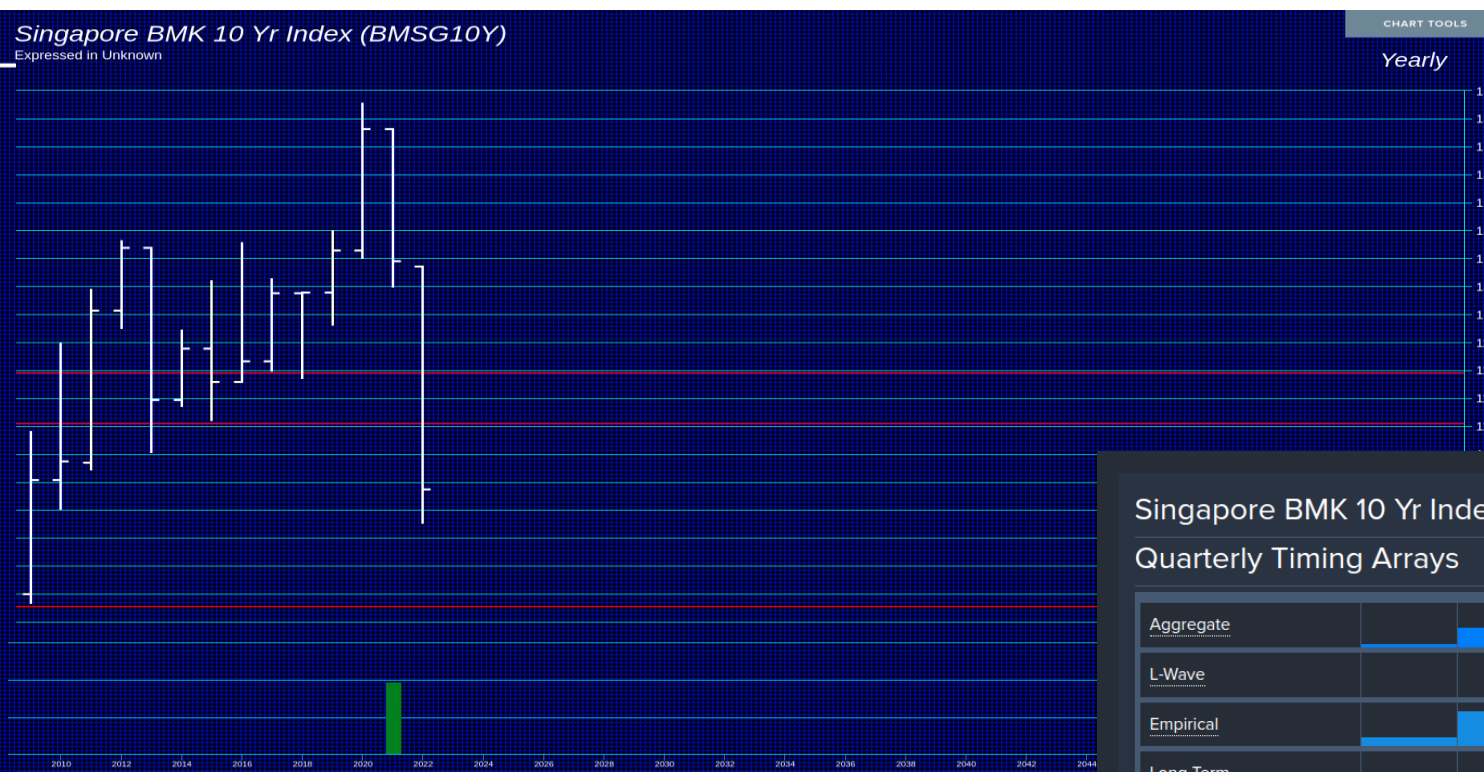
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	116.70	114.70	114.30
	118.60	114.60	
	119.06	114.40	
		113.10	



### Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Bullish	Bullish	Bullish

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



### Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		115.80	
		112.20	
		99.10	

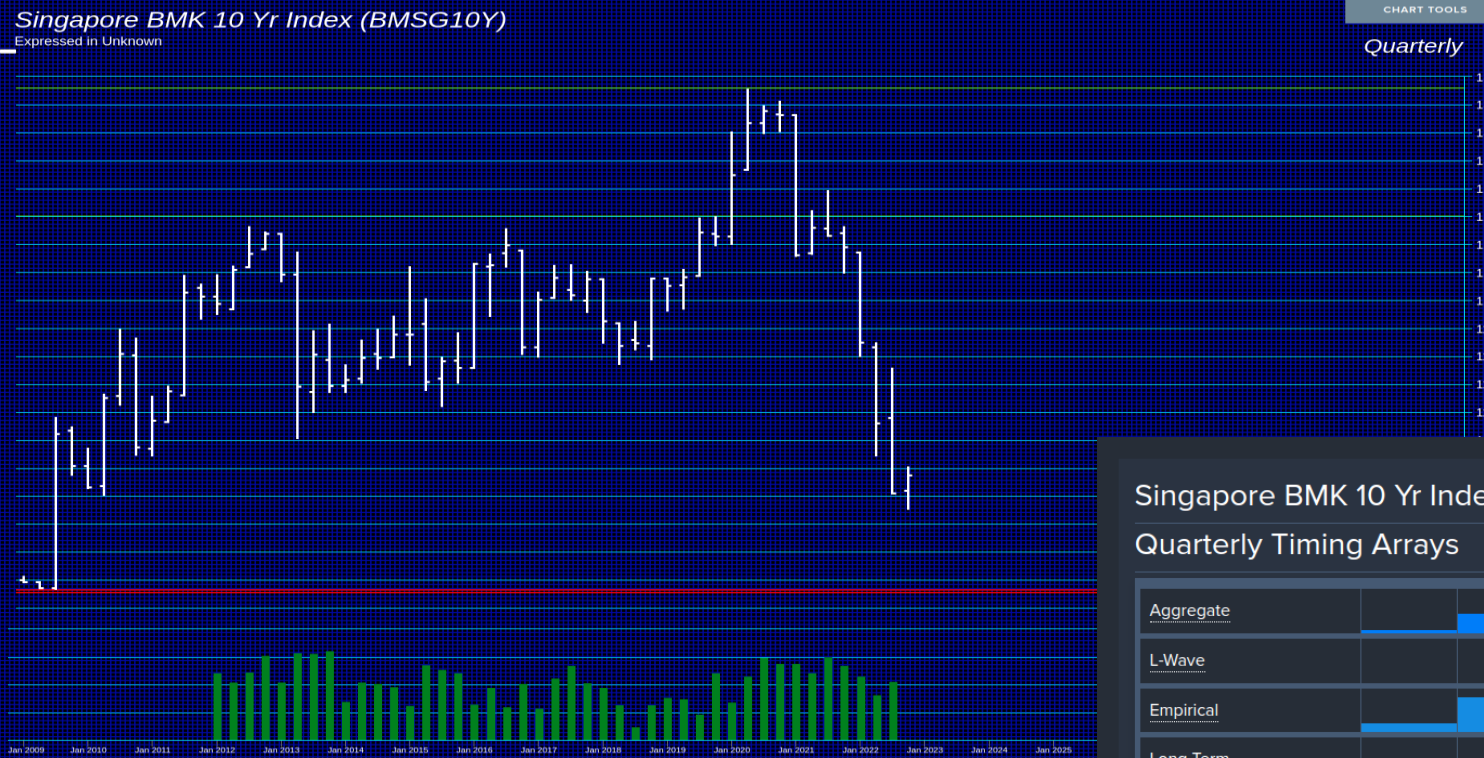
## Singapore BMK 10 Yr Index Quarterly Timing Arrays

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

### Yearly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Neutral	Neutral

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



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	126.03	99.30	
	135.20	99.10	

## Singapore BMK 10 Yr Index Quarterly Timing Arrays

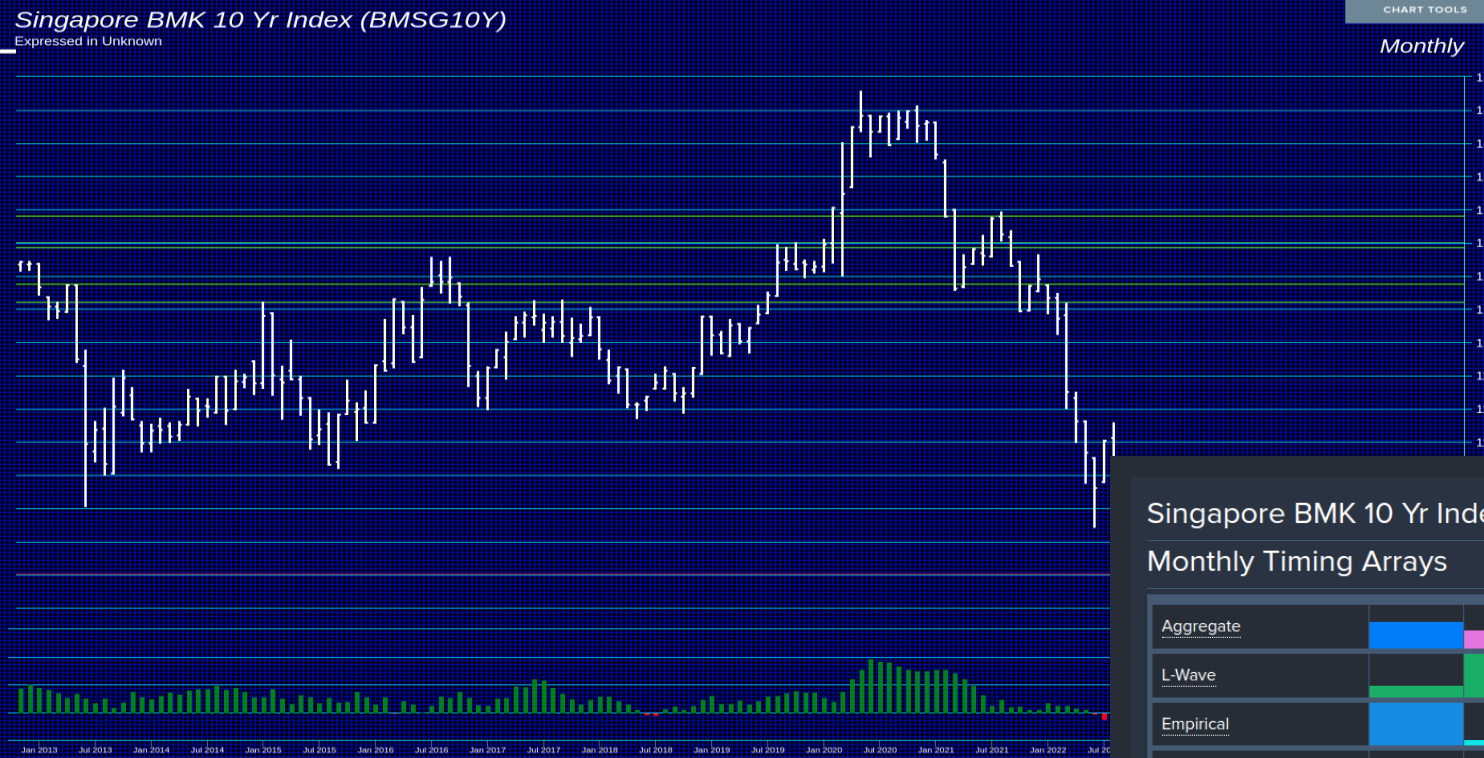
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2022	Oct-2022	Jan-2023	Apr-2023	Jul-2023	Oct-2023	Jan-2024	Apr-2024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

## Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish



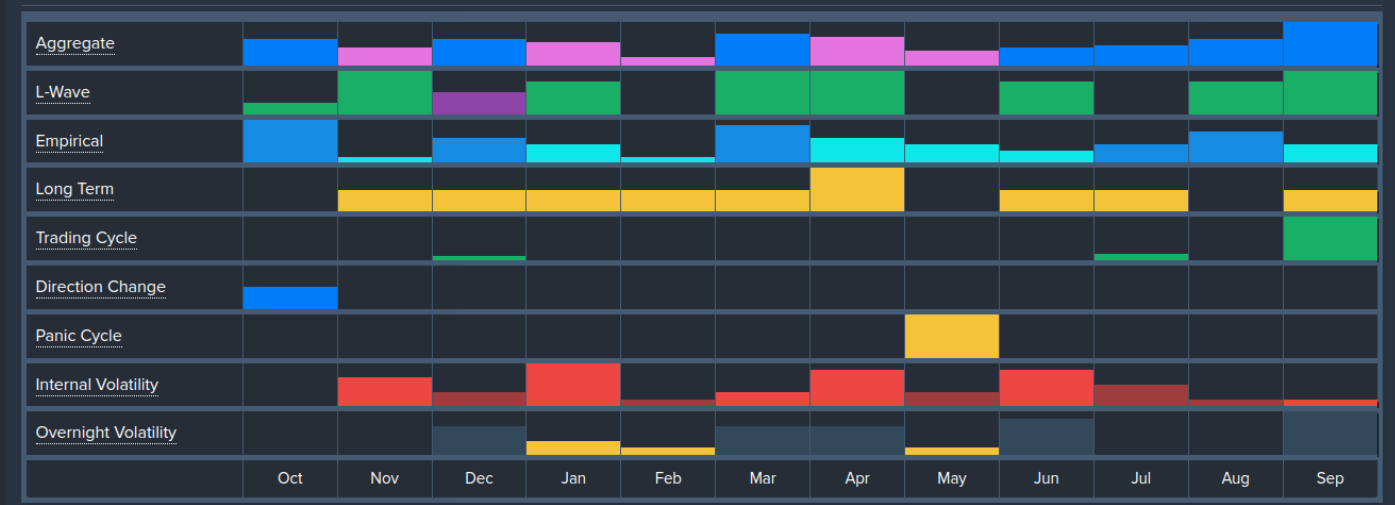
# SINGAPORE 10-YR (as of MONTHLY close – Oct 2022)



### 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			

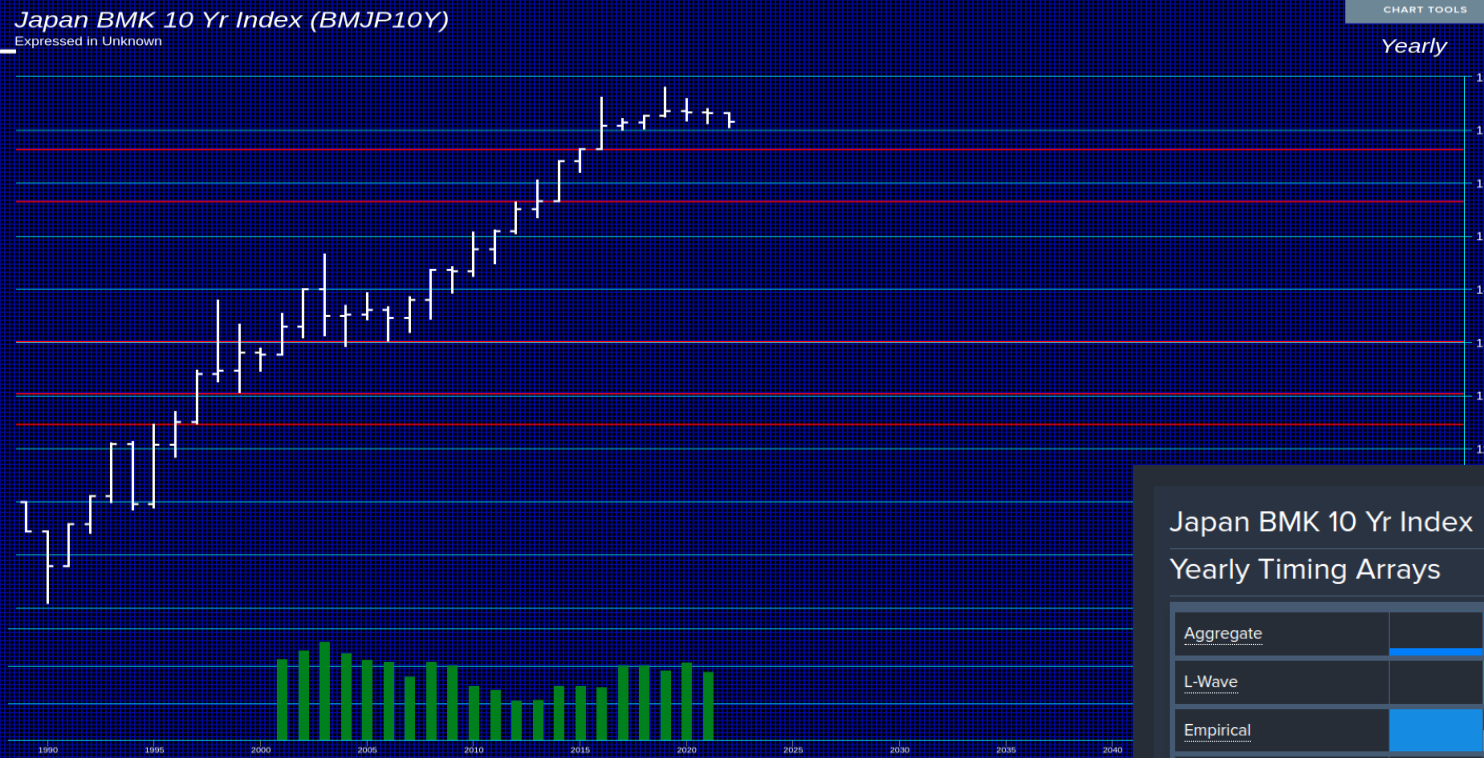
## Singapore BMK 10 Yr Index Monthly Timing Arrays



### Monthly Indicating Ranges

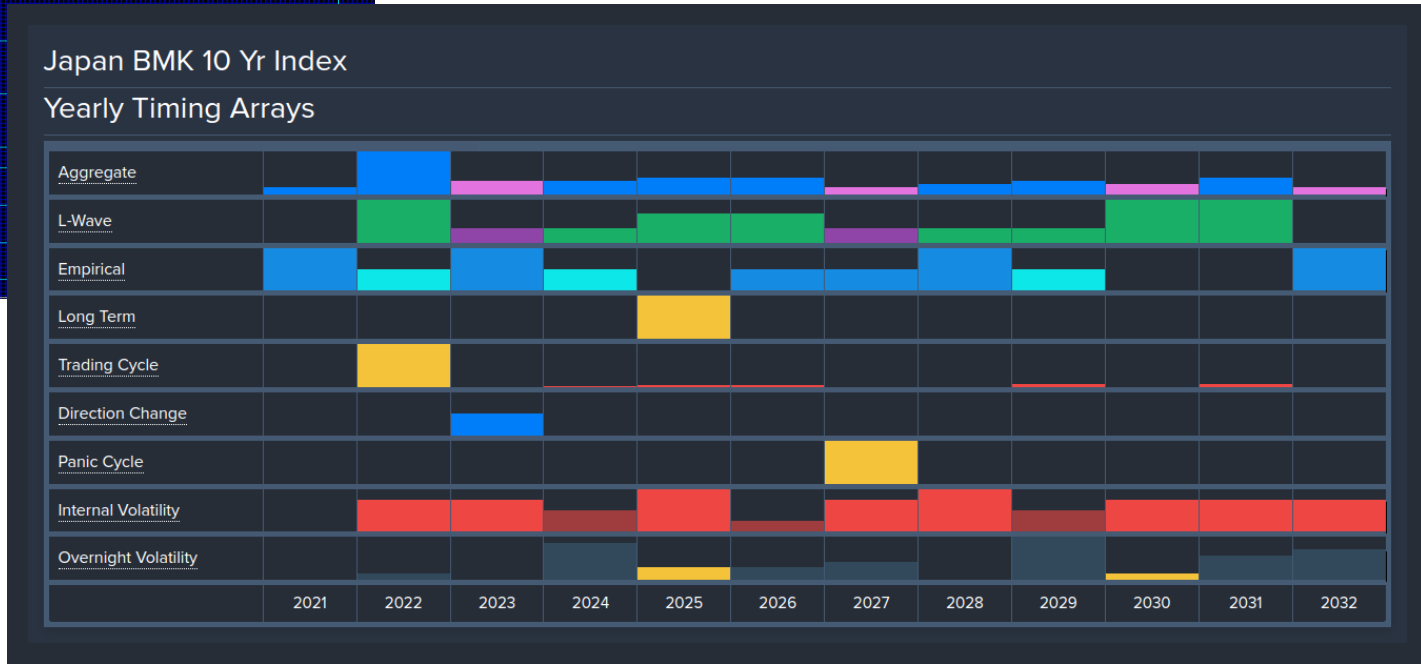
Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

# 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

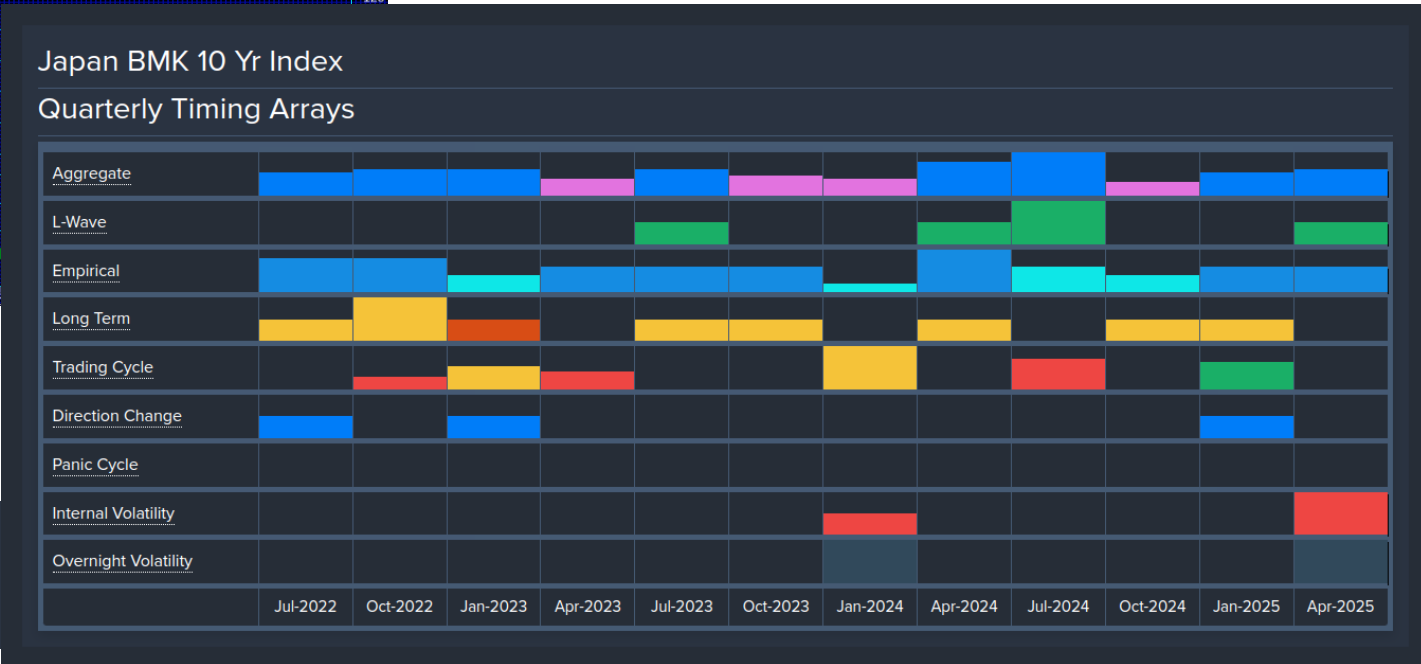
Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Bullish	Bullish

# 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

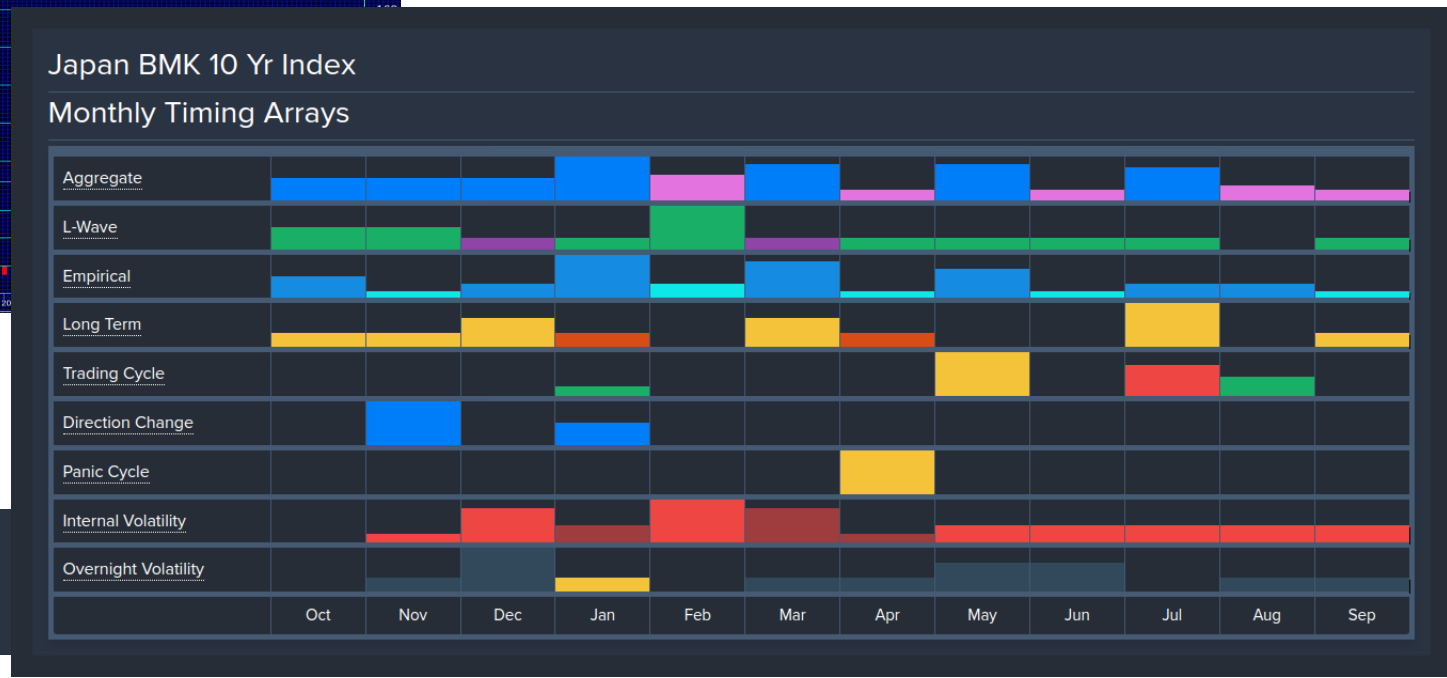
Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Neutral

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



### Monthly Reversals

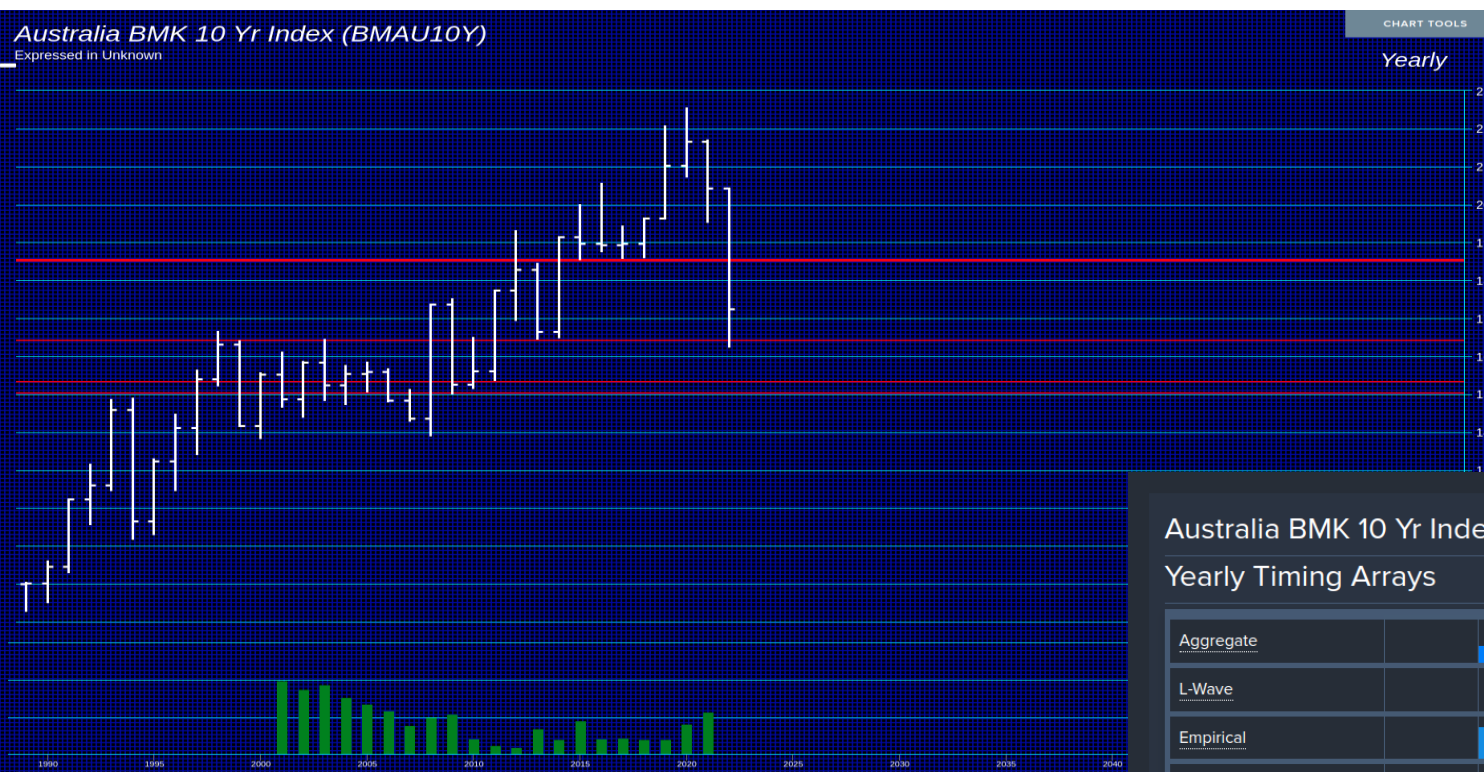
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
173.00	173.40	170.40	170.30
173.80	174.05	170.00	170.20
	174.08		170.03



### Monthly Indicating Ranges

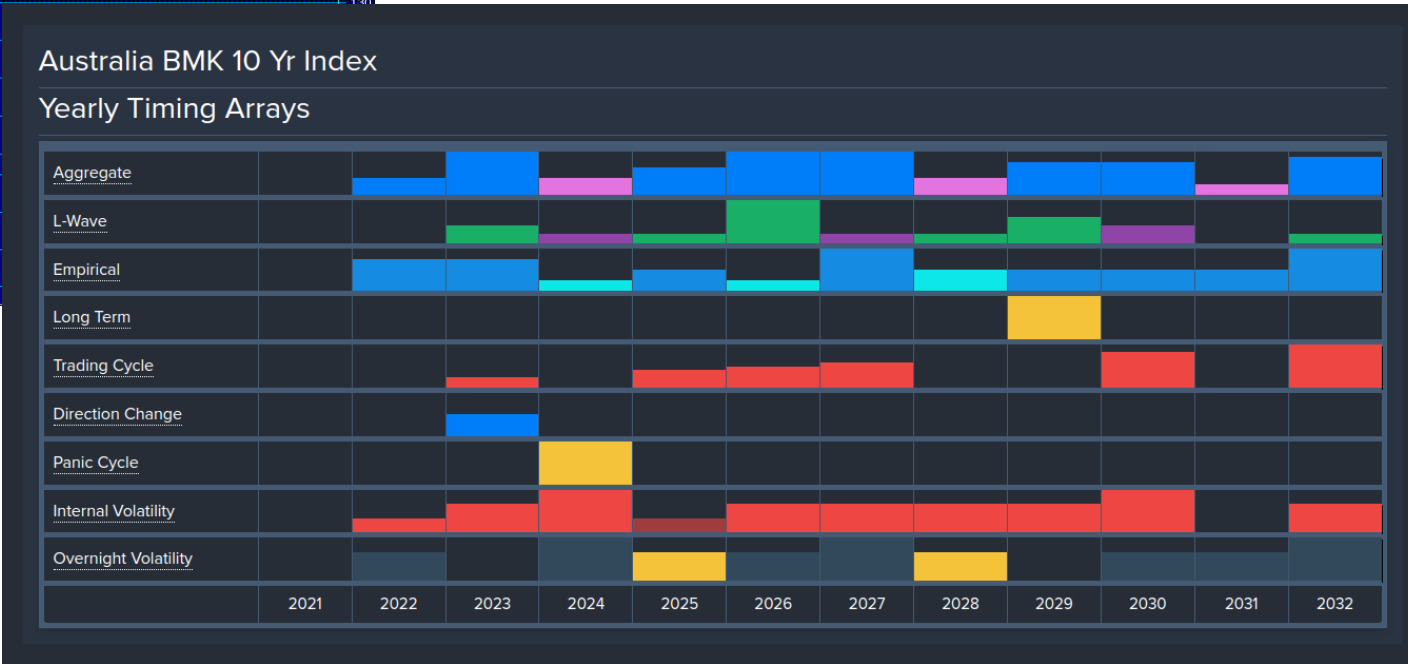
Momentum	Trend	Long Term Trend	Cyclical Strength
Neutral	Bullish	Bearish	Bearish

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



### Yearly Reversals

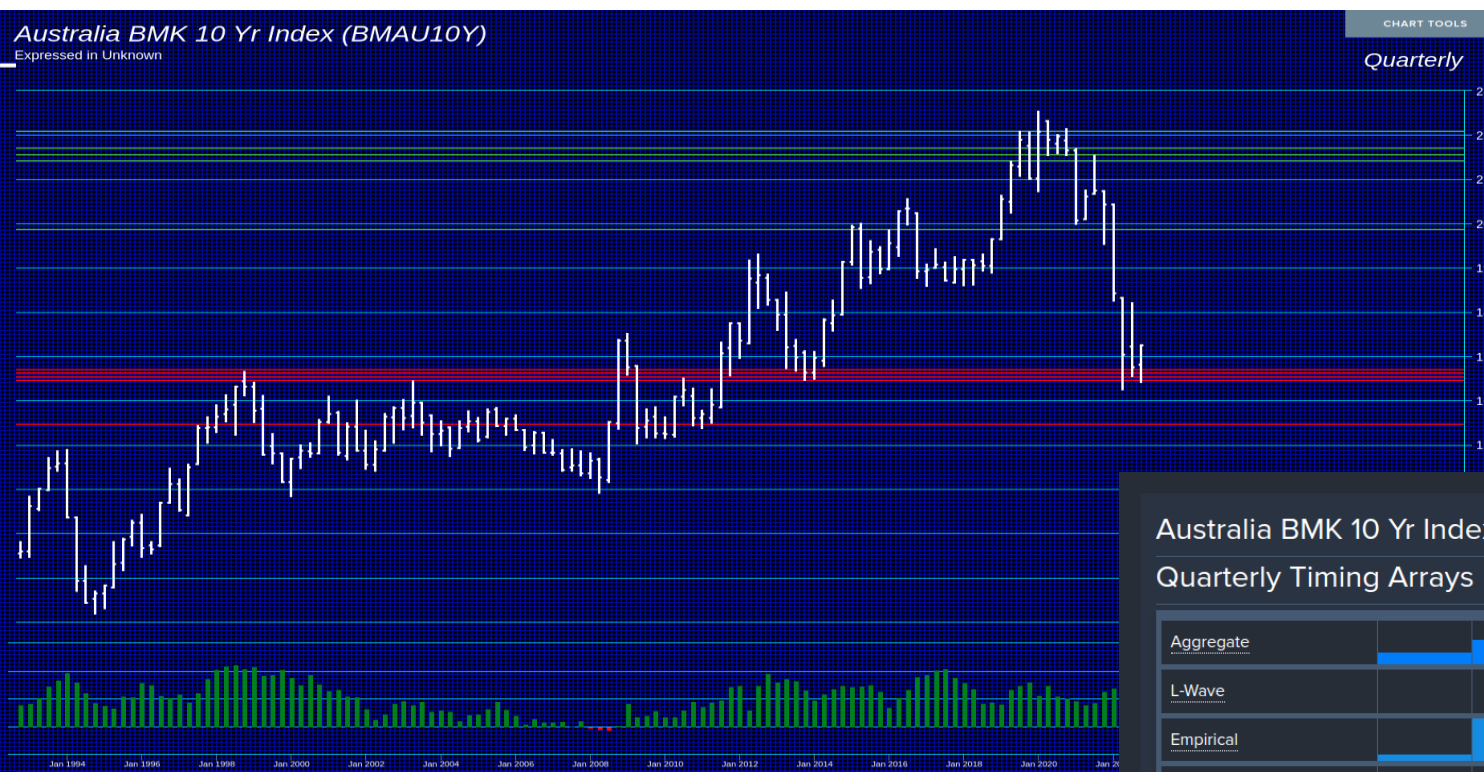
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		185.50	164.30
		185.20	153.40
			150.40



### Yearly Indicating Ranges

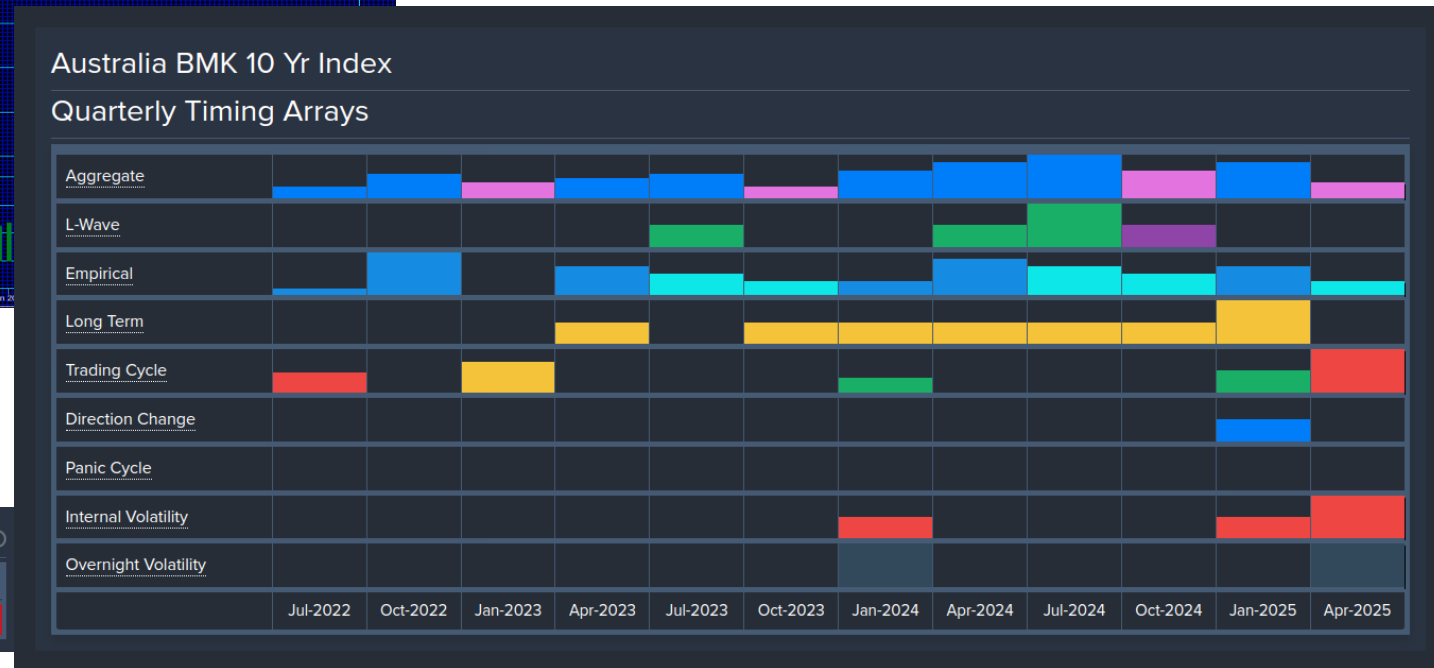
Momentum	Trend	Long Term Trend	Cyclical Strength
Bullish	Neutral	Bullish	Bullish

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



### Quarterly Reversals

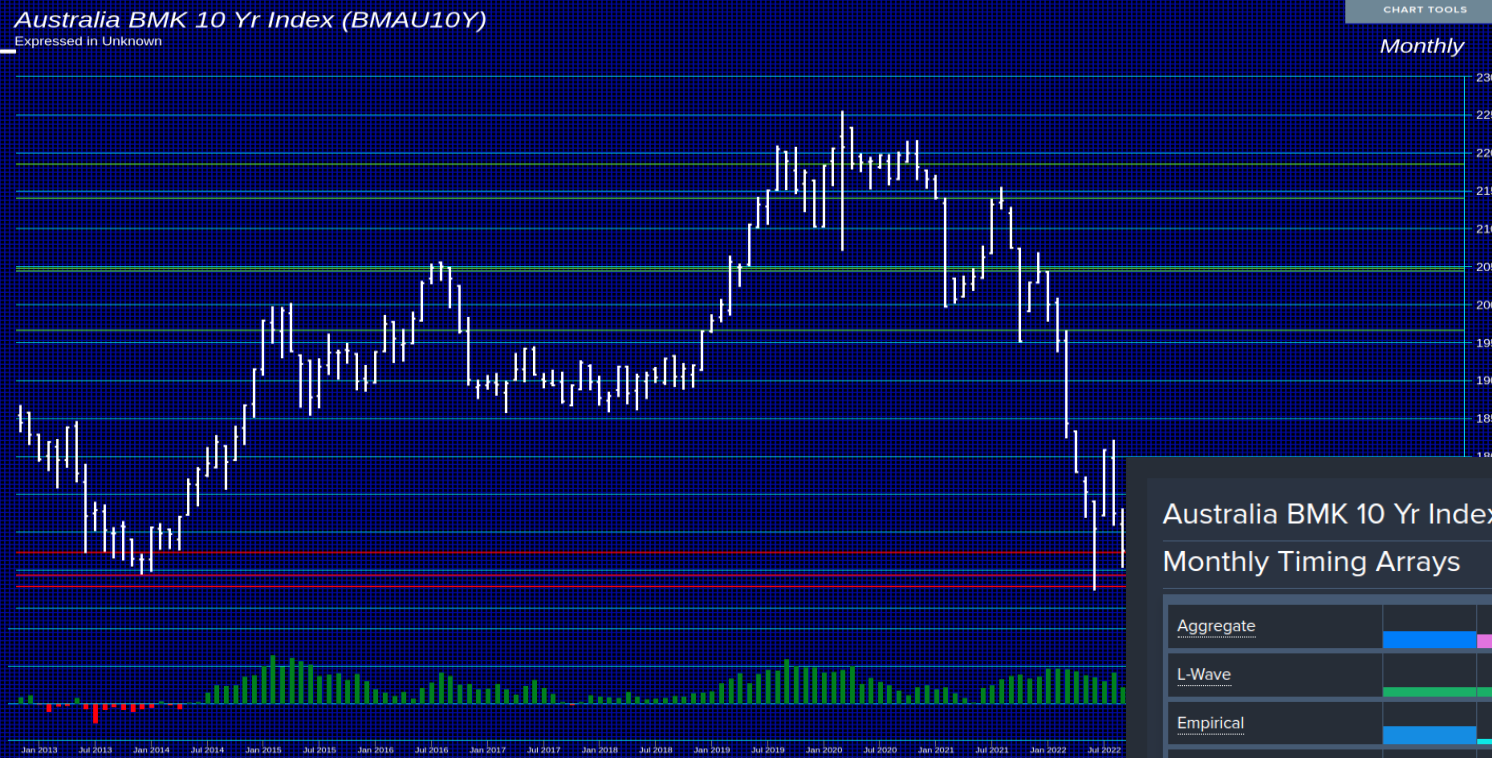
BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
198.60	220.80	167.00	165.40
214.20		166.30	164.60
215.50			154.60
217.10			



### Quarterly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

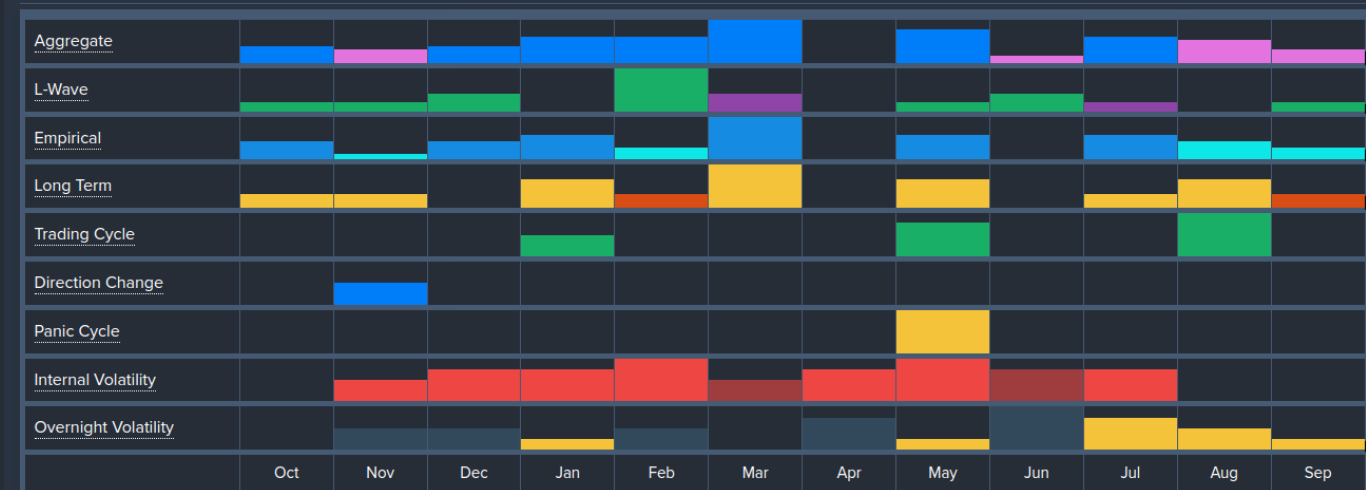
# AUSTRALIAN 10-YR (as of MONTHLY close – Oct 2022)



### 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

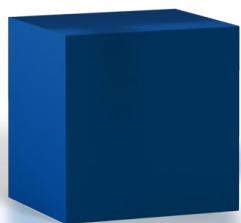
### Australia BMK 10 Yr Index Monthly Timing Arrays



### Monthly Indicating Ranges

Momentum	Trend	Long Term Trend	Cyclical Strength
Bearish	Bearish	Bearish	Bearish

# Take Away 2022





**SOVEREIGN  
DEBTS**



**\$ 2023**

**2023**



# 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.