

# Global Markets Overview

World Economic Conference  
December 4-5, 2020

Japan - NIKKEI Tokyo Index (^N225)

Expressed in Euro

CHART TOOLS

Yearly



CHART TOOLS

Japan - NIKKEI Tokyo Index (^N225)

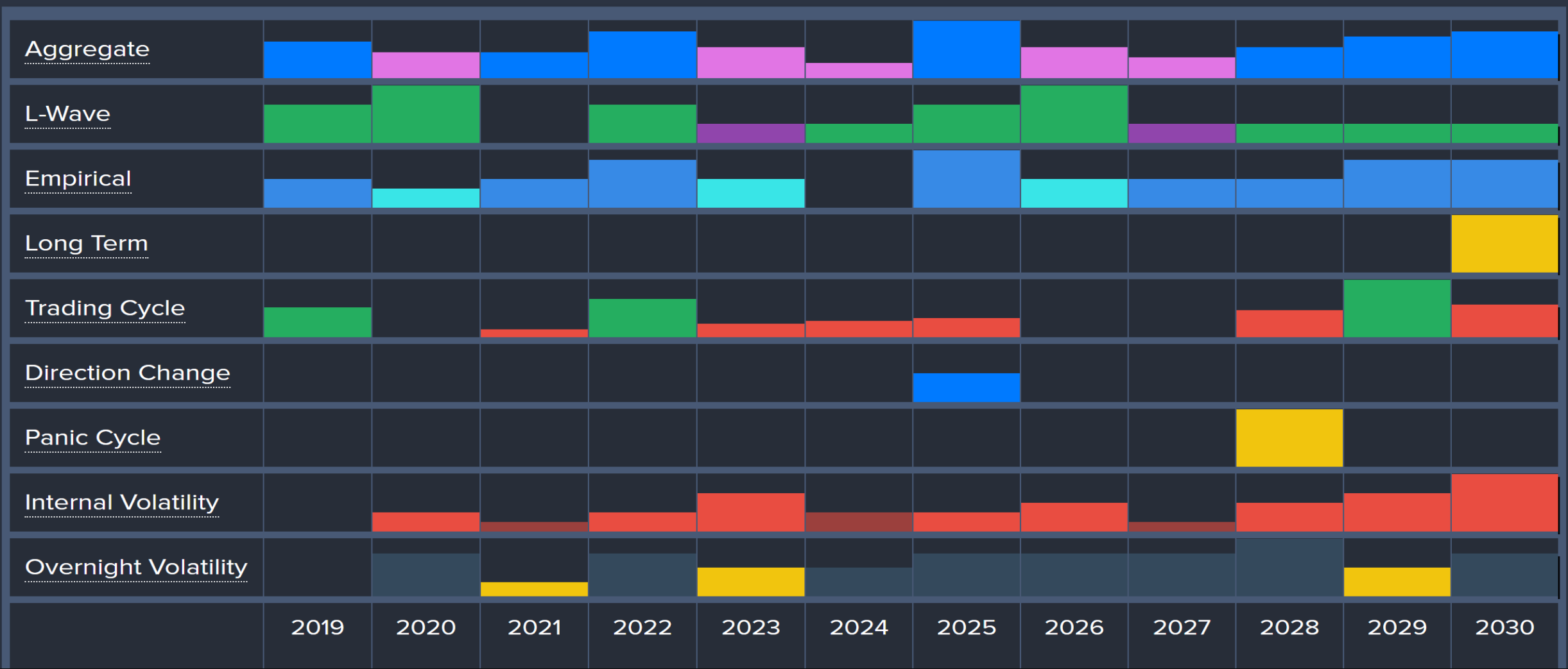
Expressed in Yen





Japan - NIKKEI Tokyo Index

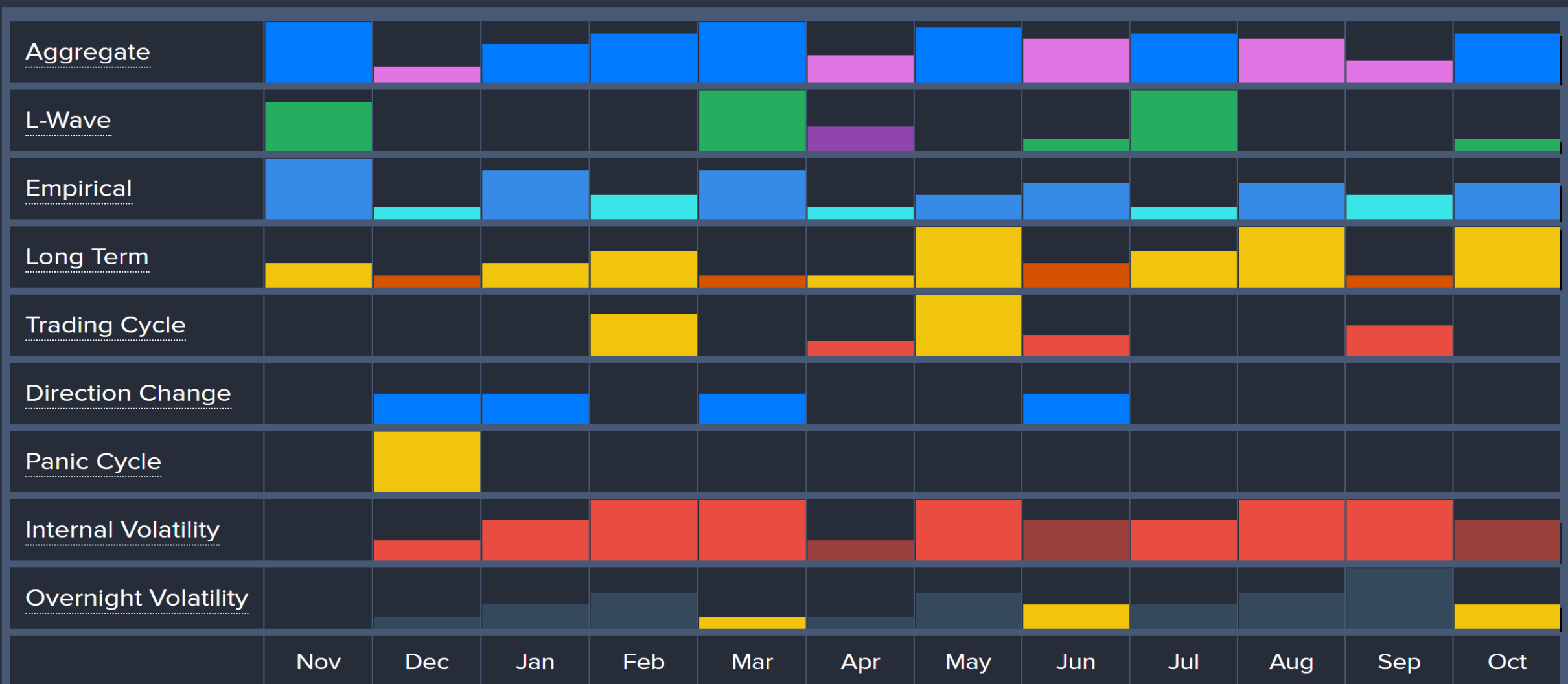
Yearly Timing Arrays





Japan - NIKKEI Tokyo Index

Monthly Timing Arrays

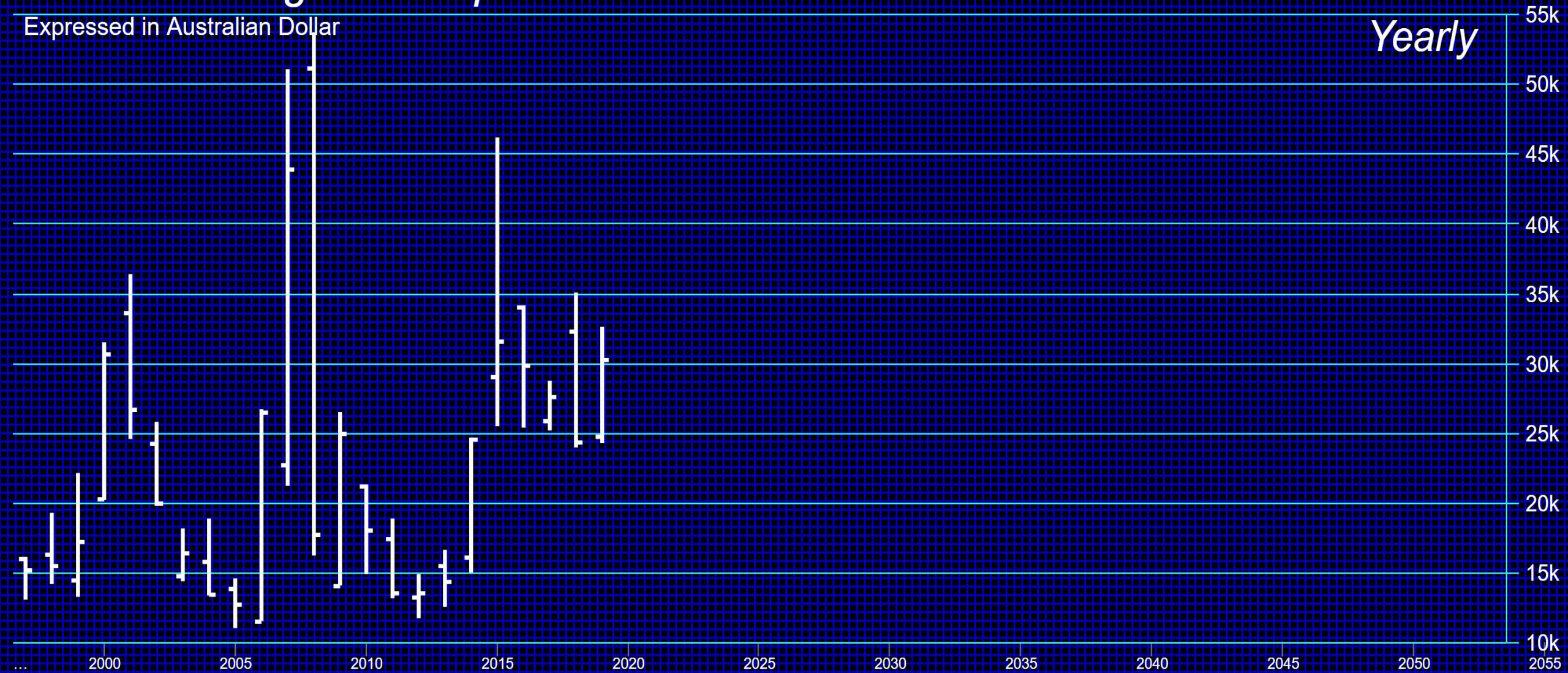


China - Shanghai Composite

CHART TOOLS

Expressed in Australian Dollar

Yearly





China - Shanghai Composite

Expressed in Chinese Yuan

2023

Yearly

Price Targets  
Sun Jan 01 2023

Tech 1	4232.3380
Tech 2	2913.9342
Tech 3	8728.5256
Tech 4	4998.4100





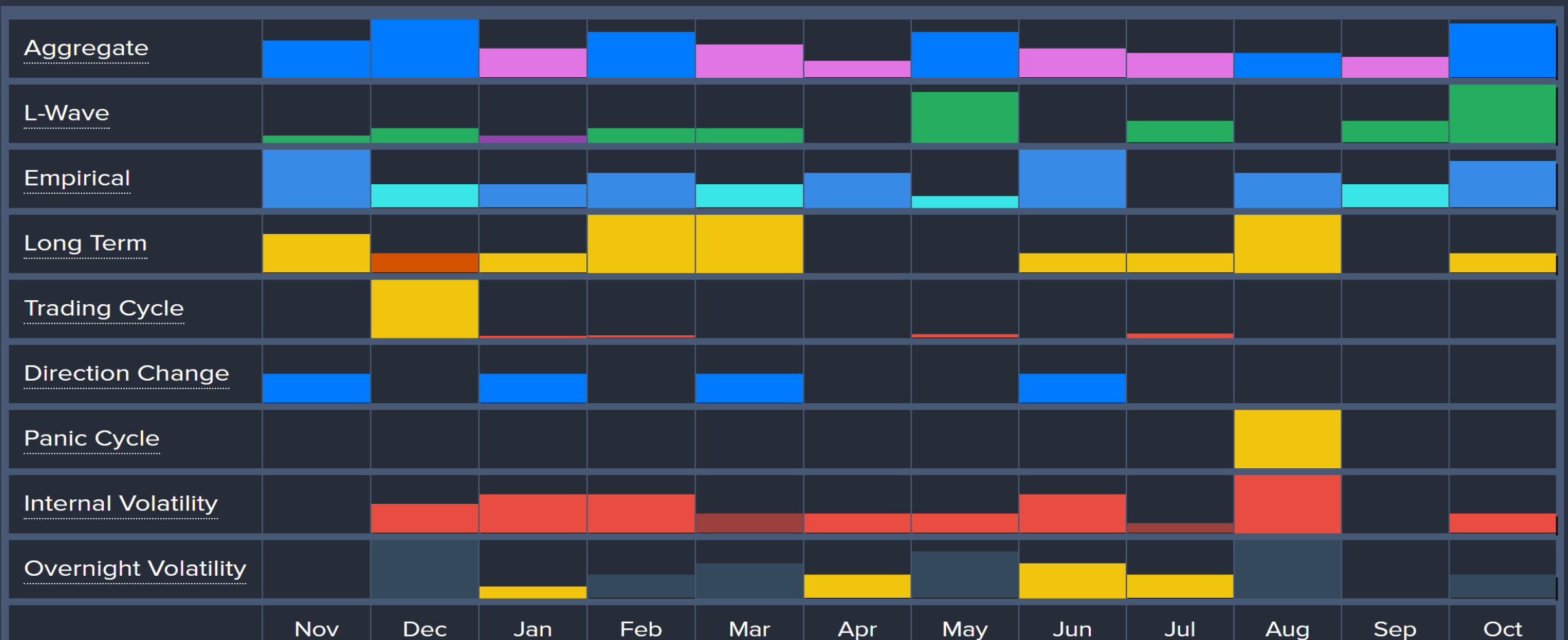
China - Shanghai Composite

Yearly Timing Arrays



	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
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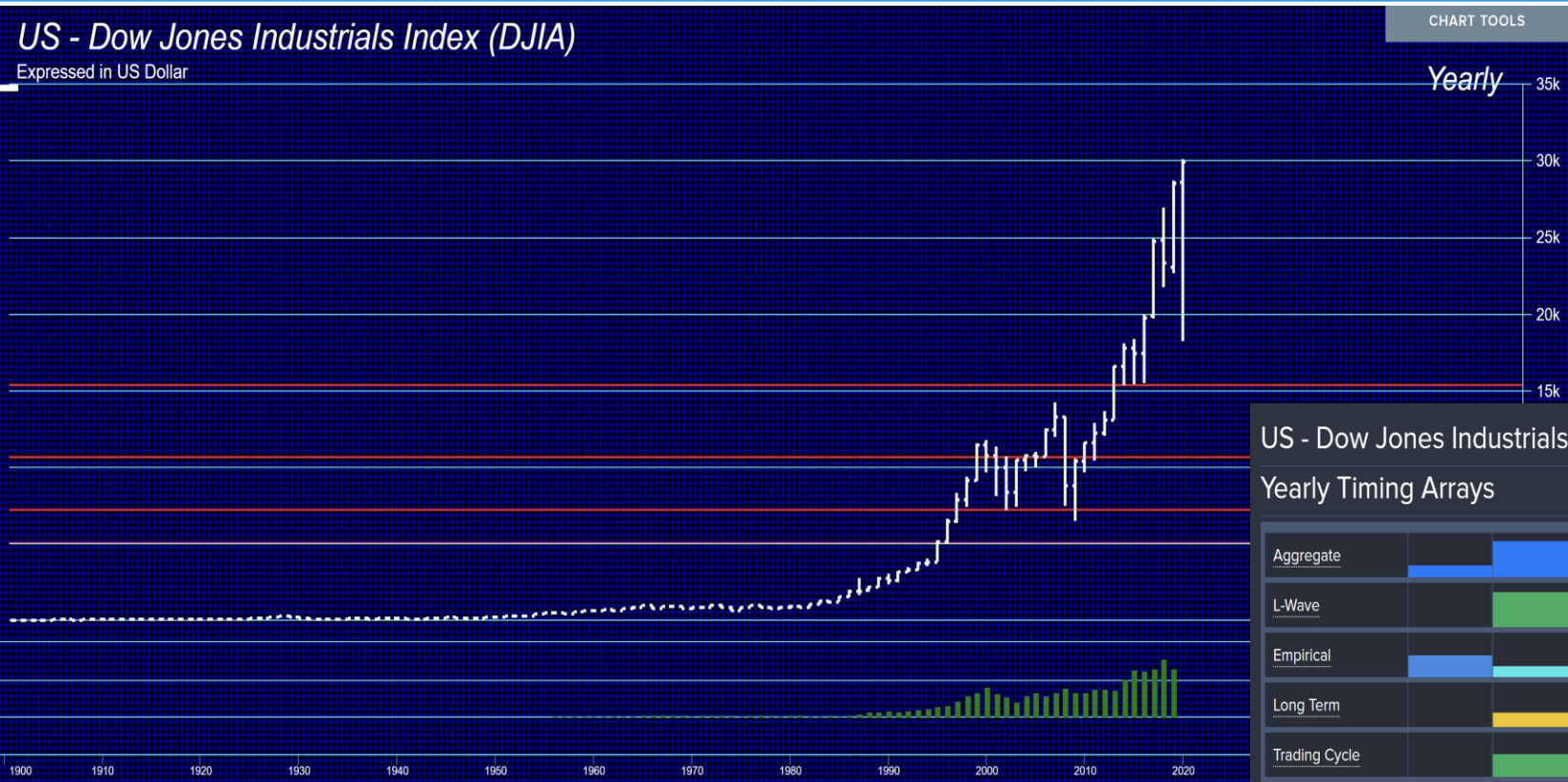
## Monthly Timing Arrays



# DOW JONES (as of YEARLY close – 2019)

## US - Dow Jones Industrials Index (DJIA)

Expressed in US Dollar

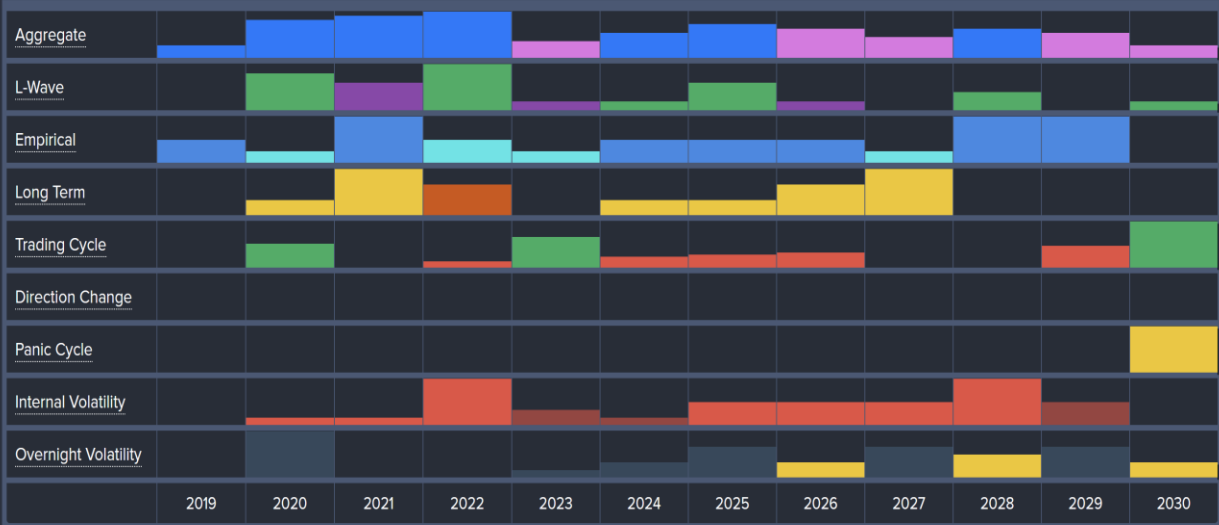


## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		5,014.51	15,340.68
			10,661.14
			7,197.48

## US - Dow Jones Industrials Index

### Yearly Timing Arrays



## Yearly Indicating Ranges

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



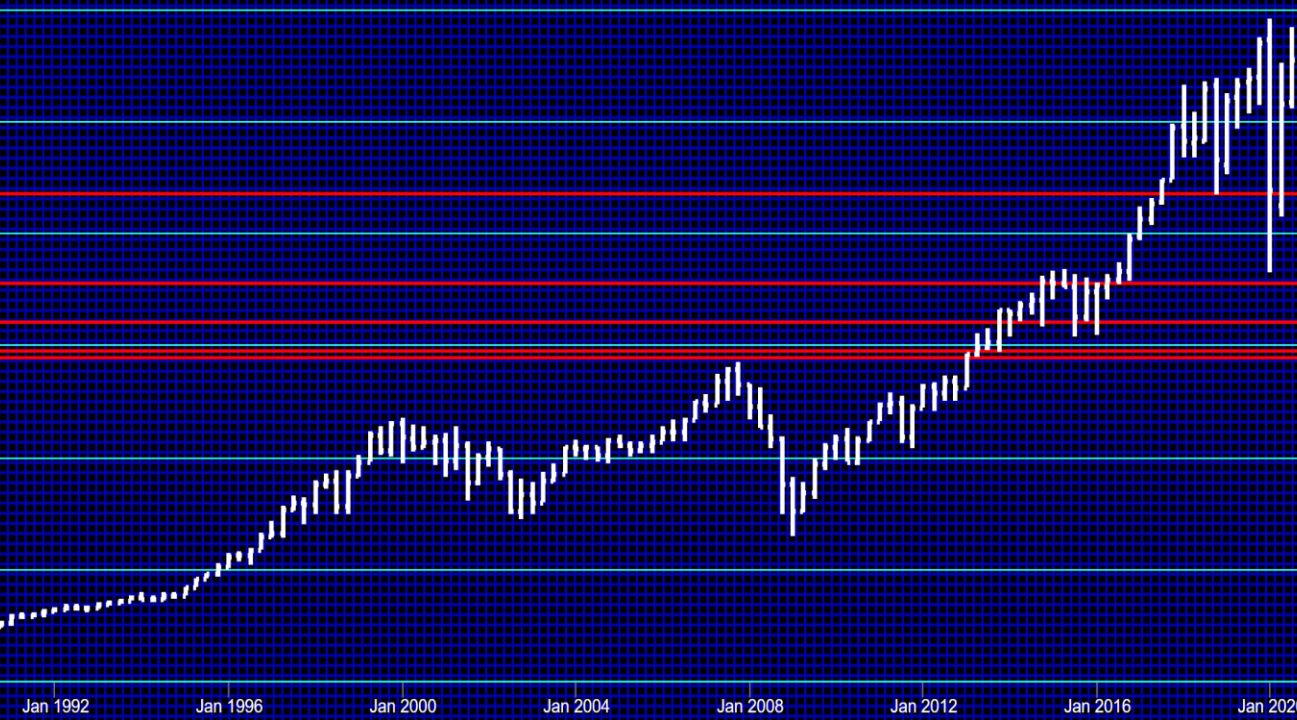
# DOW JONES (as of QUARTERLY close – Sept 2020)

## US - Dow Jones Industrials Index (DJIA)

Expressed in US Dollar

CHART TOOLS

Quarterly



### Quarterly Indicating Ranges

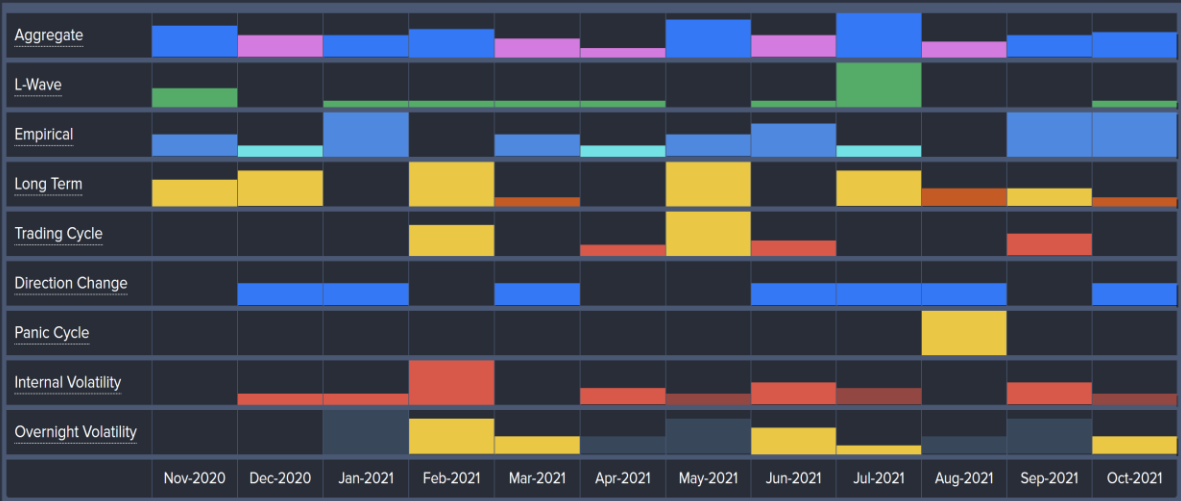
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Neutral	Bullish	Bullish	Bullish	Bullish	No Change

### Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		16,015.31	21,712.52
		14,719.42	17,713.44
			14,434.42

### US - Dow Jones Industrials Index

#### Quarterly Timing Arrays



# DOW JONES (as of MONTHLY close – Nov 2020)

## US - Dow Jones Industrials Index (DJIA)

Expressed in US Dollar

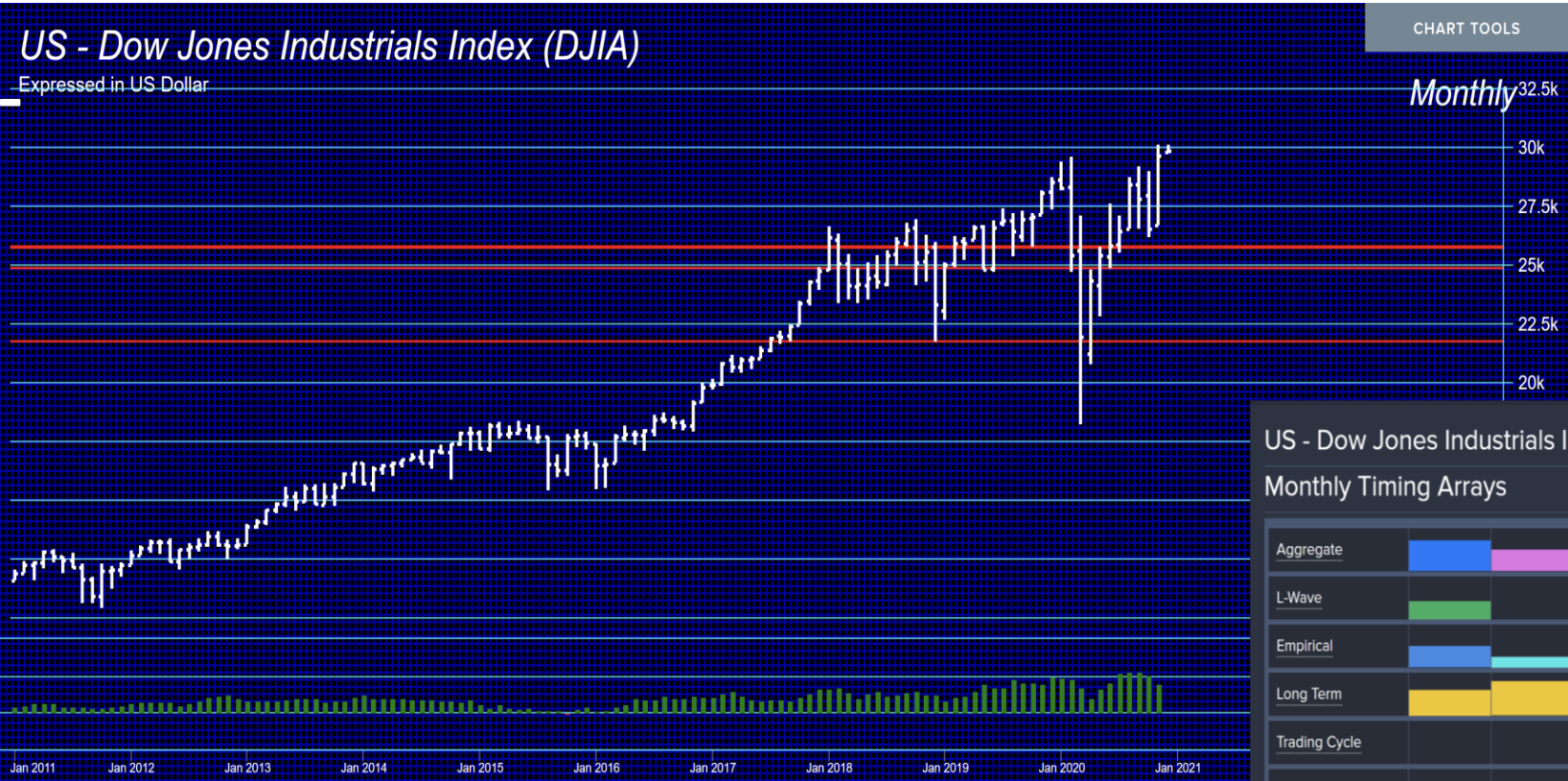


CHART TOOLS

Monthly

## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		2,446.54	2,952.21
			2,532.68
			2,417.34

## US - Dow Jones Industrials Index

### Monthly Timing Arrays

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

## Monthly Indicating Ranges

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



# S&P 500 (as of YEARLY close – 2019)

US - S&P 500 Index (SPX)

Expressed in US Dollar



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		457.10	1,074.76
			2
			788.93
			597.28

US - S&P 500 Index

## Yearly Timing Arrays

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Aggregate	Blue	Pink	Blue	Blue	Blue	Blue	Pink	Blue	Blue	Blue	Pink	
L-Wave	Green				Green	Purple			Green	Green	Purple	
Empirical	Blue		Blue	Blue		Blue	Cyan	Blue	Cyan	Blue	Blue	
Long Term					Yellow							
Trading Cycle		Green		Red	Green	Red	Red	Red			Red	Green
Direction Change						Blue	Blue					
Panic Cycle												
Internal Volatility		Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
Overnight Volatility		Blue	Yellow	Yellow	Blue	Yellow	Yellow	Blue	Yellow	Blue	Blue	Blue

## Yearly Indicating Ranges

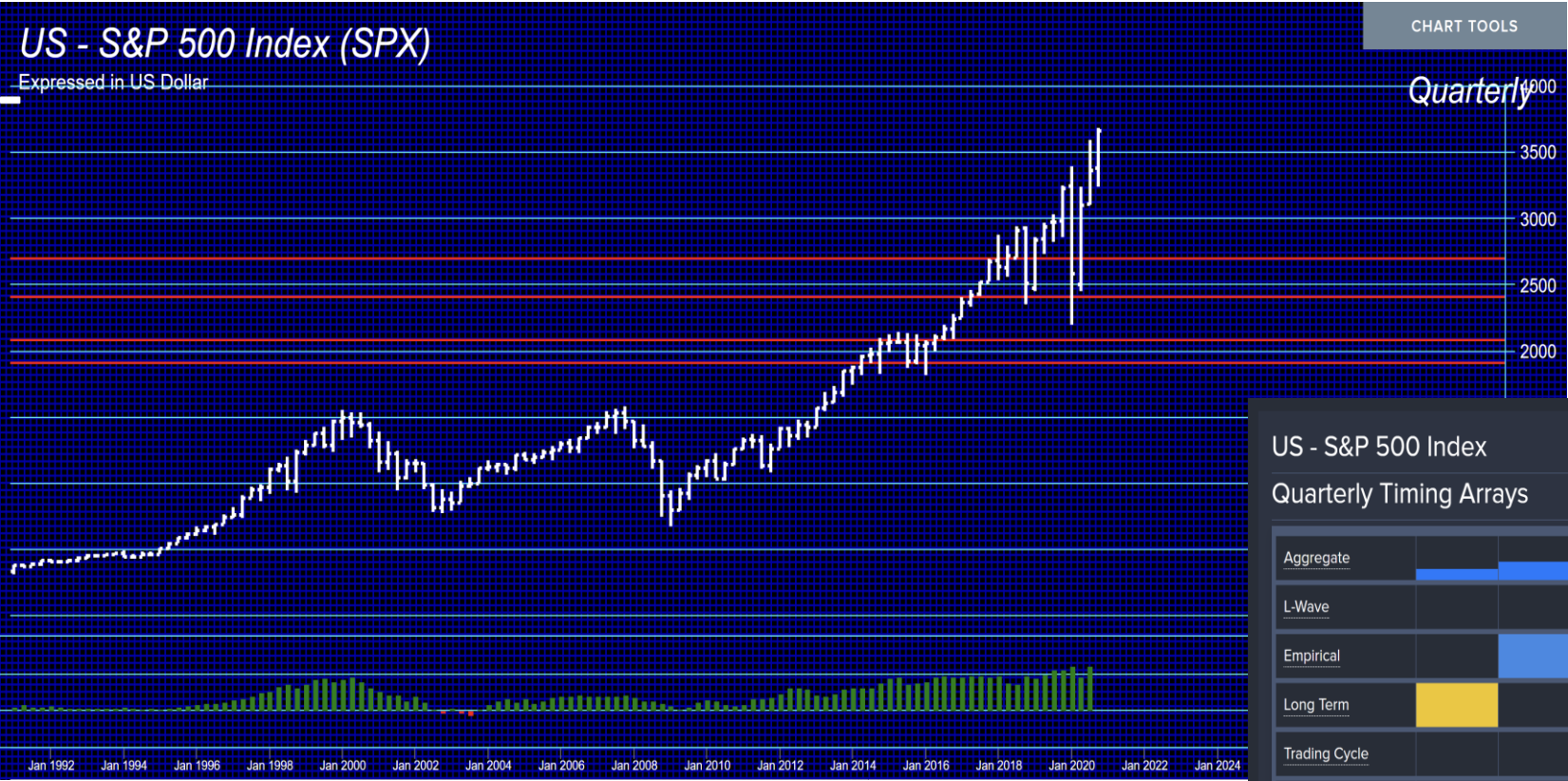
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change



# S&P 500 (as of QUARTERLY close – Sept 2020)

## US - S&P 500 Index (SPX)

Expressed in US Dollar



## Quarterly Indicating Ranges

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

## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		2,407.60	2,698.94
		1,904.77	2,074.01

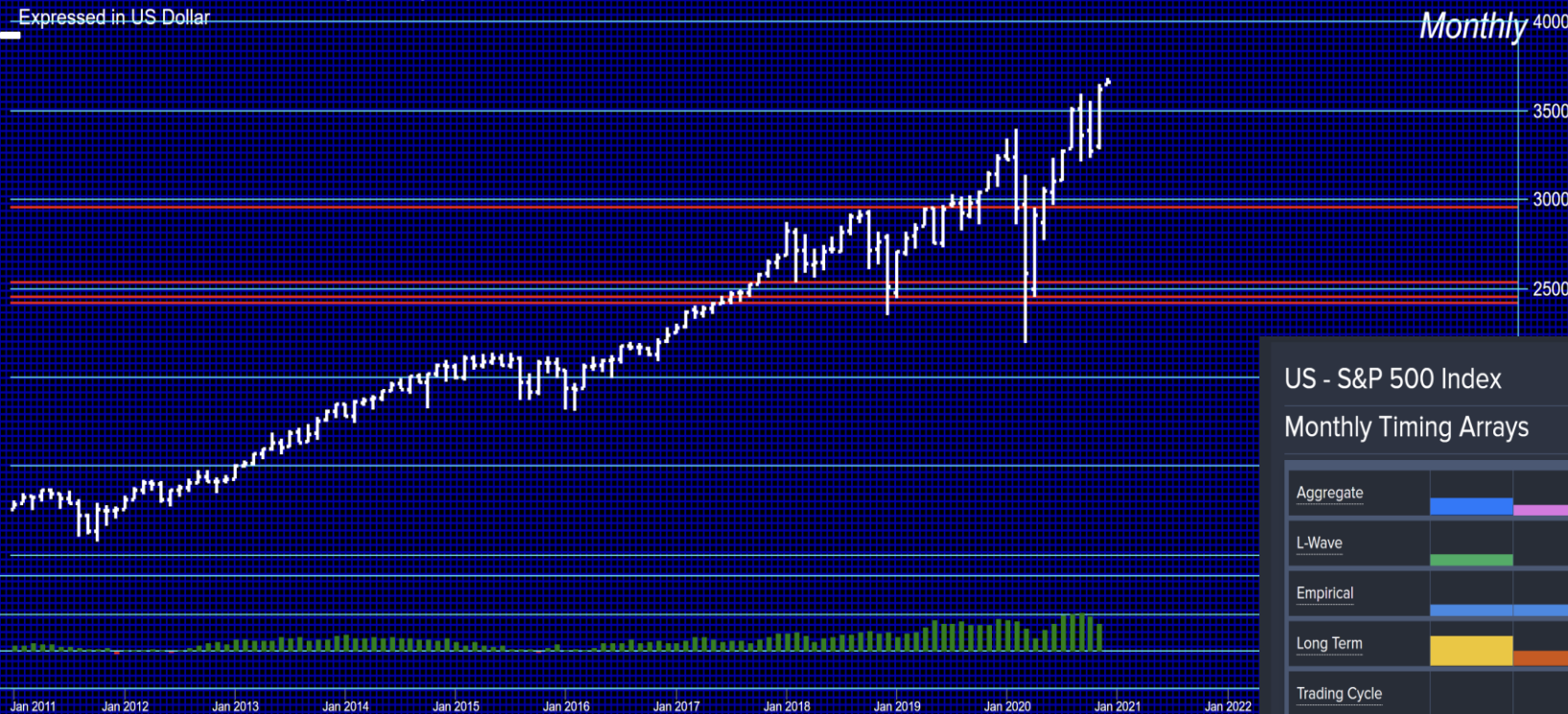
## US - S&P 500 Index

### Quarterly Timing Arrays

	Jul-2020	Oct-2020	Jan-2021	Apr-2021	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023
Aggregate												
L-Wave												
Emprical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

US - S&P 500 Index (SPX)

Expressed in US Dollar



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

## CHART TOOLS

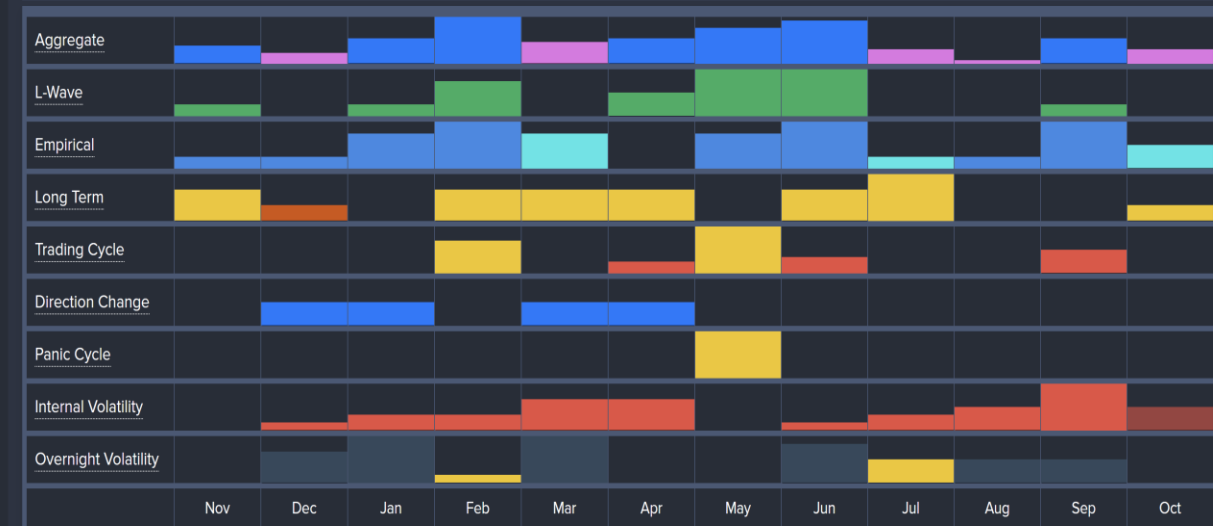
*Monthly*

## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		2,446.54	2,952.21
			2,532.68
			2,417.34

## US - S&P 500 Index

### Monthly Timing Arrays





# NASDAQ COMP (as of YEARLY close – 2019)

## US - NASDAQ Composite Index (COMP)

Expressed in US Dollar

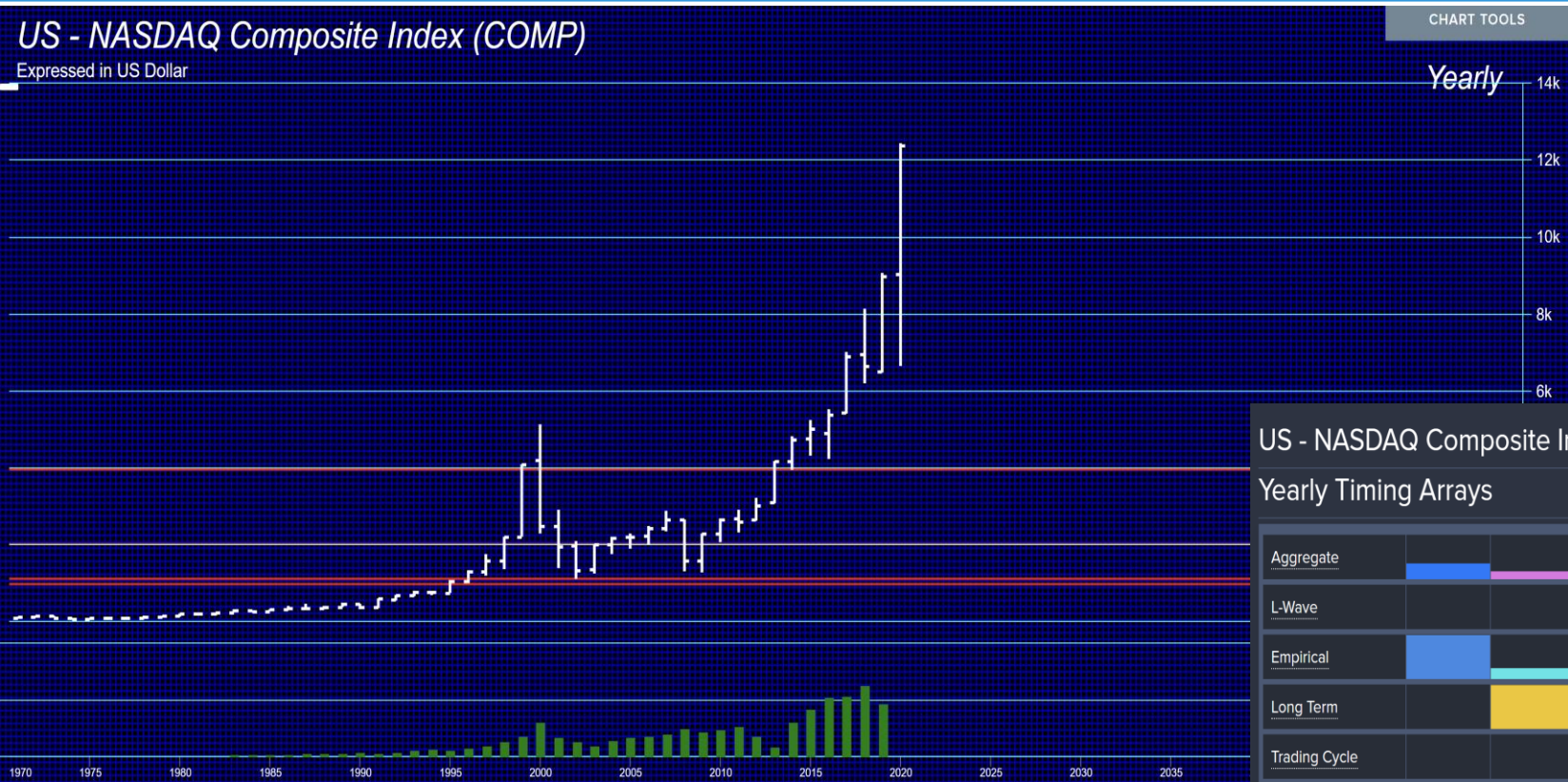


CHART TOOLS

Yearly

## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		969.94	3,946.02
			2,012.77
			1,108.48

## US - NASDAQ Composite Index

### Yearly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030

## Yearly Indicating Ranges

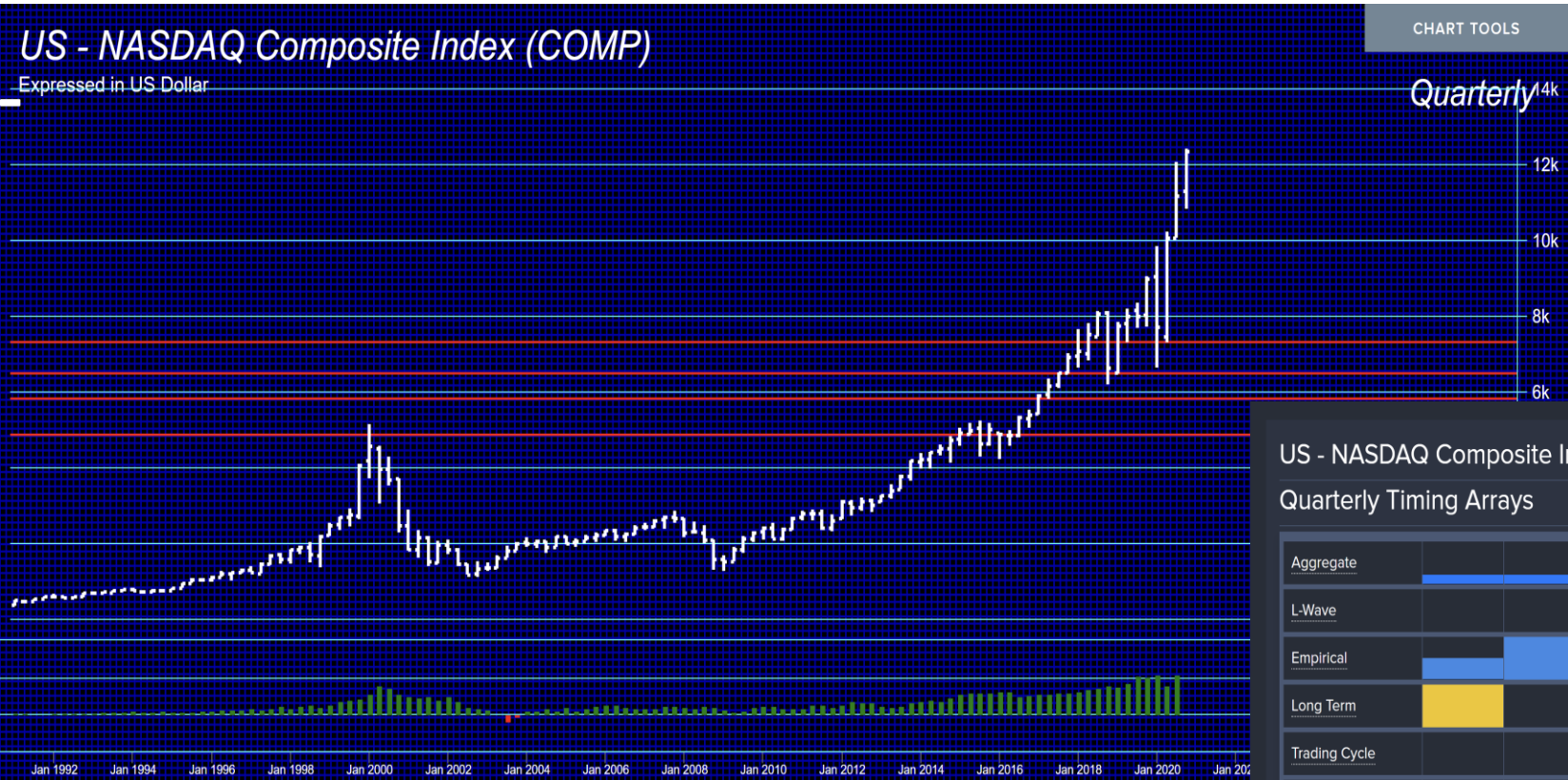
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change



# NASDAQ COMP (as of QUARTERLY close – Sept 2020)

## US - NASDAQ Composite Index (COMP)

Expressed in US Dollar



### Quarterly Indicating Ranges

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

### Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		6,484.13	7,292.21
		4,844.38	2 5,805.14

### US - NASDAQ Composite Index

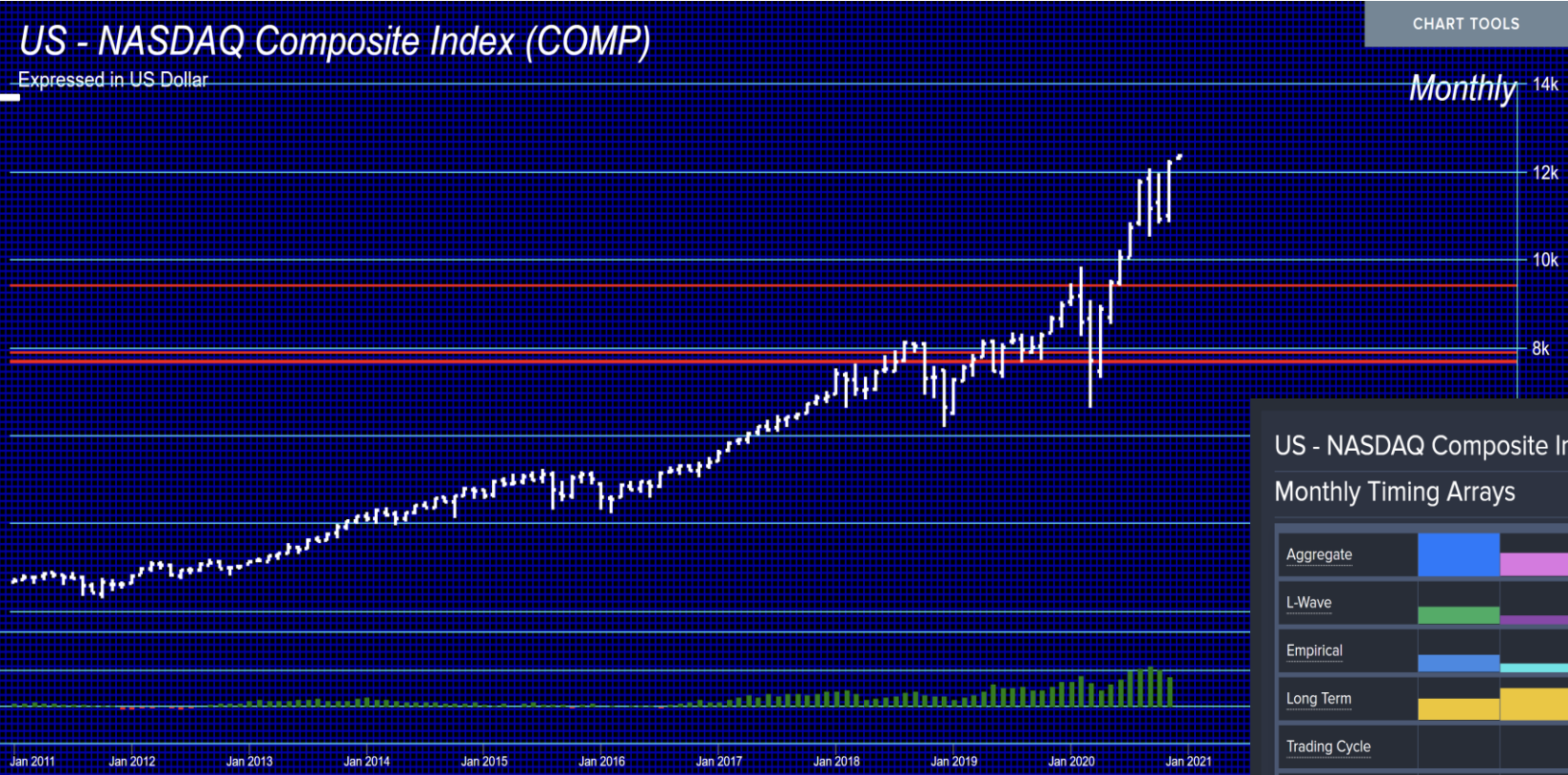
#### Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2020	Oct-2020	Jan-2021	Apr-2021	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023

# NASDAQ COMP (as of MONTHLY close – Nov 2020)

## US - NASDAQ Composite Index (COMP)

Expressed in US Dollar

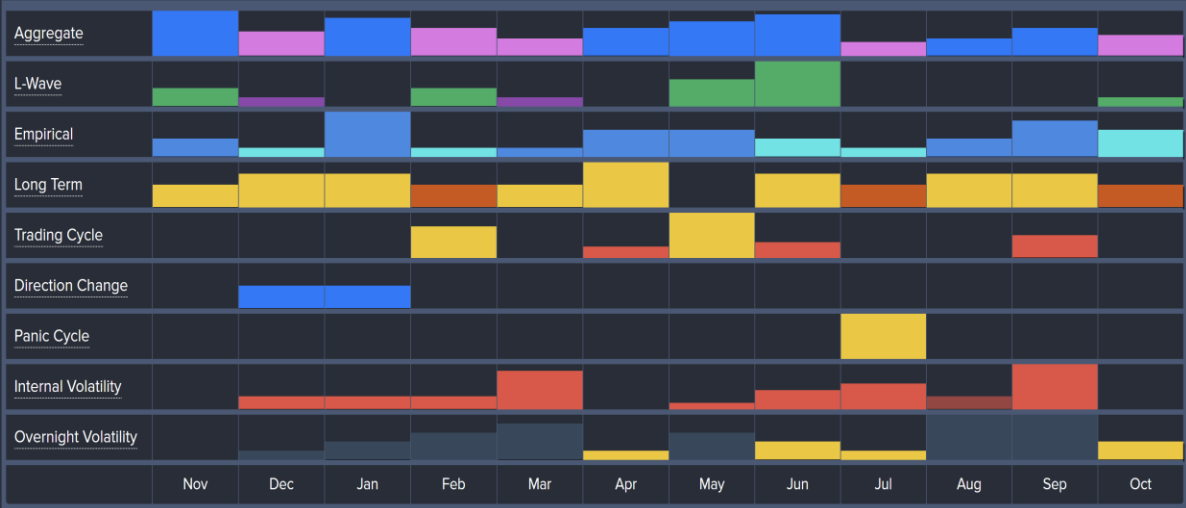


## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		7,662.80	9,402.90
			7,873.92
			27,699.90

## US - NASDAQ Composite Index

### Monthly Timing Arrays



## Monthly Indicating Ranges

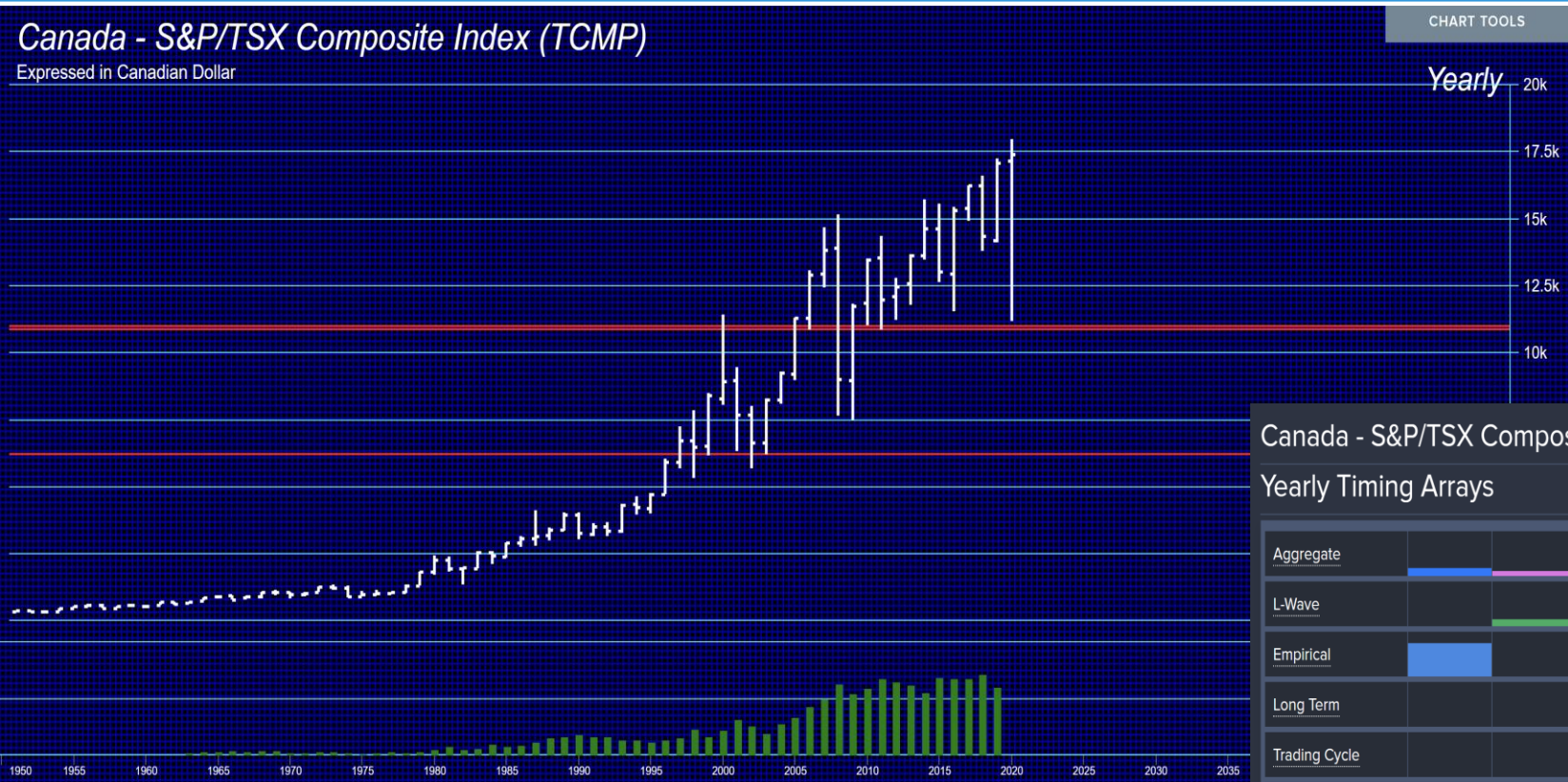
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change



# TSX COMP (as of YEARLY close – 2019)

Canada - S&P/TSX Composite Index (TCMP)

Expressed in Canadian Dollar



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
			10,990.30
			10,860.60
			10,848.10
		2	6,204.80

Canada - S&P/TSX Composite Index

## Yearly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030

## Yearly Indicating Ranges

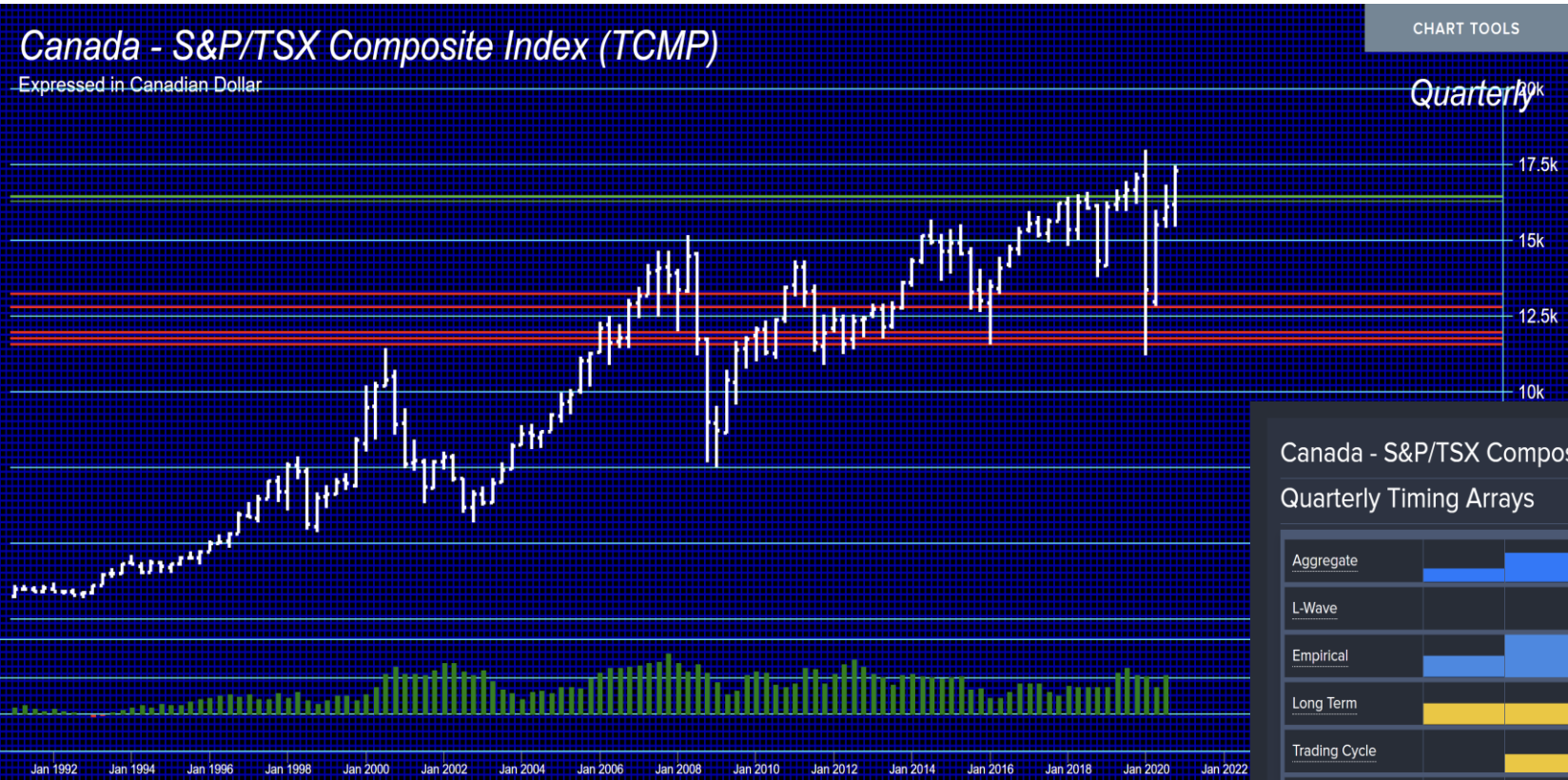
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bearish	Bullish	Bullish	Bullish	Bullish	Bullish	No Change



# TSX COMP (as of QUARTERLY close – Sept 2020)

## Canada - S&P/TSX Composite Index (TCMP)

Expressed in Canadian Dollar

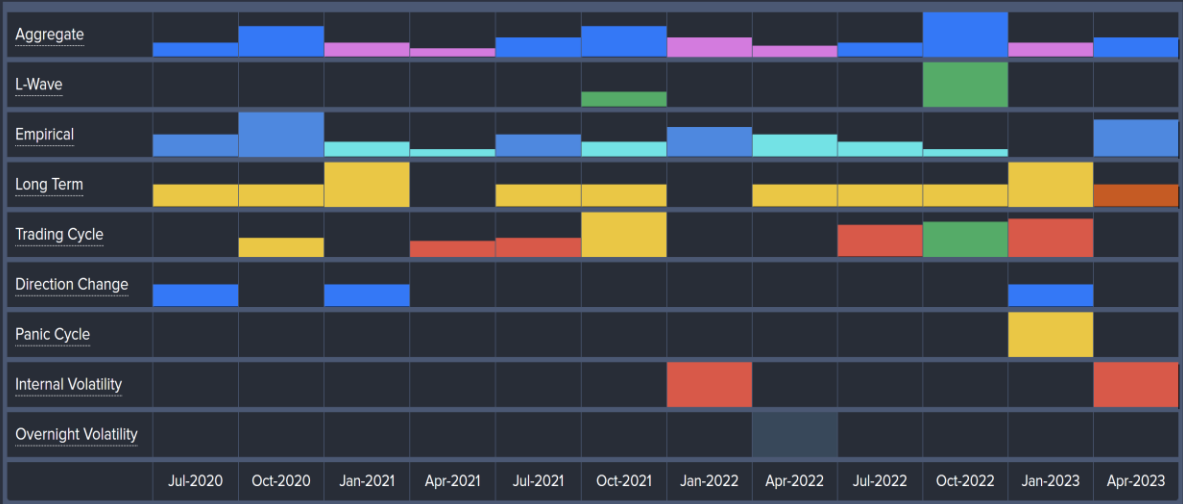


## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
16,275.40		11,955.80	13,217.10
16,421.50			12,763.40
			211,758.90
			11,531.10

## Canada - S&P/TSX Composite Index

### Quarterly Timing Arrays



## Quarterly Indicating Ranges

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

# TSX COMP (as of MONTHLY close – Nov 2020)

## Canada - S&P/TSX Composite Index (TCMP)

Expressed in Canadian Dollar

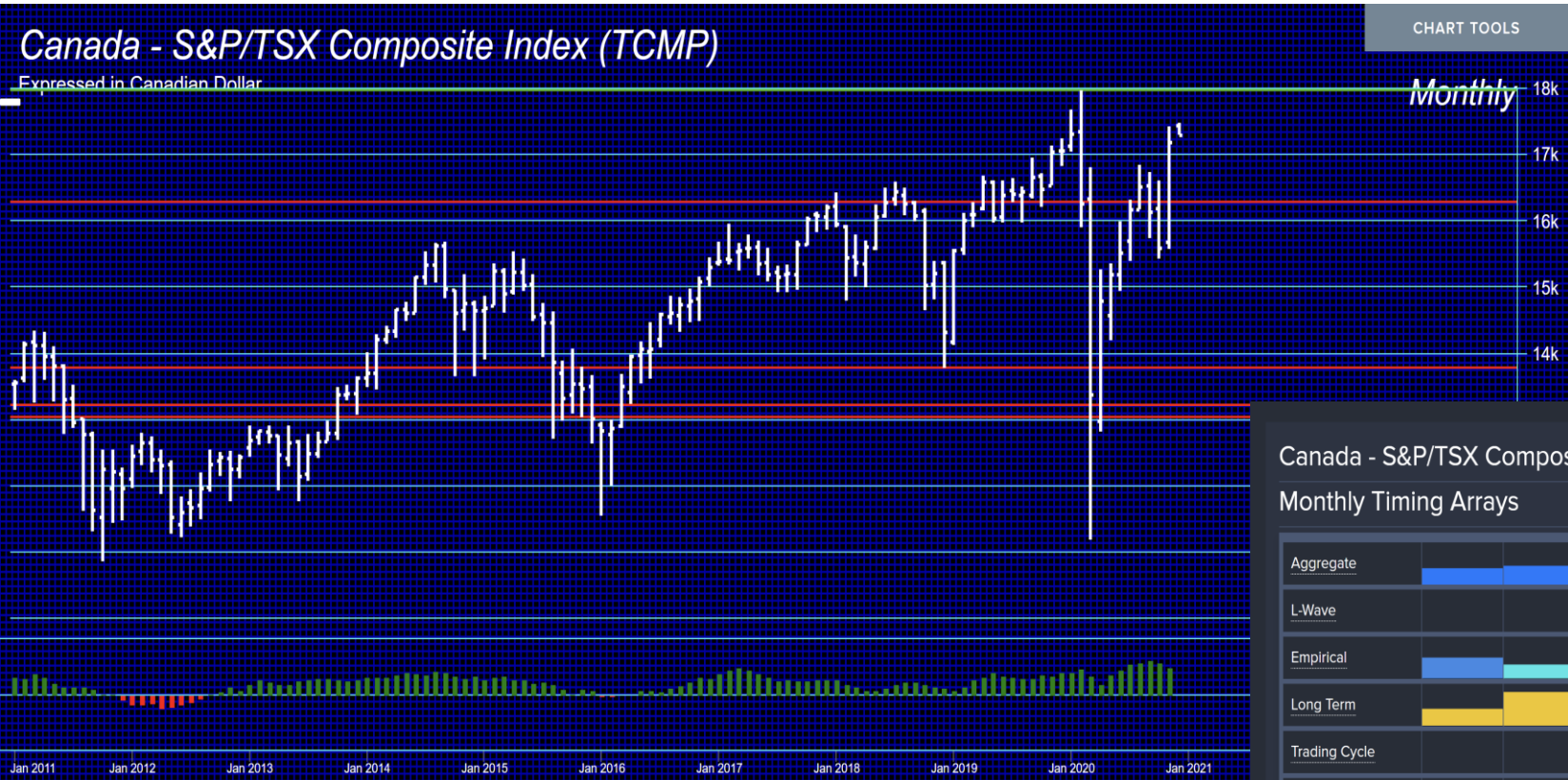


CHART TOOLS

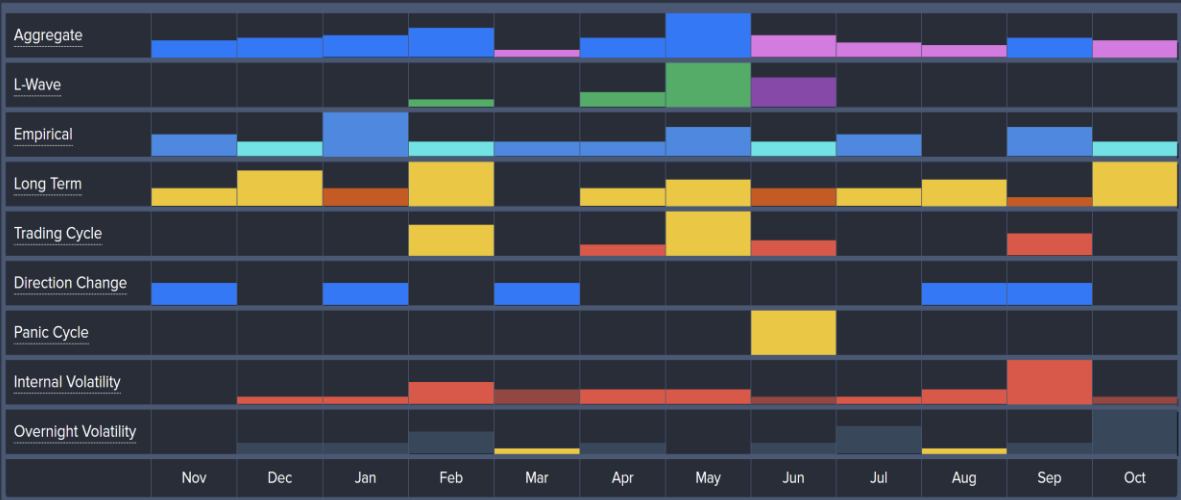
Monthly

## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	17,970.60	13,217.10	16,282.00
			13,776.80
			13,030.40

## Canada - S&P/TSX Composite Index

### Monthly Timing Arrays



## Monthly Indicating Ranges

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



# STOXX 600 (as of YEARLY close – 2019)

## Europe - STOXX 600 Index

Expressed in Euro

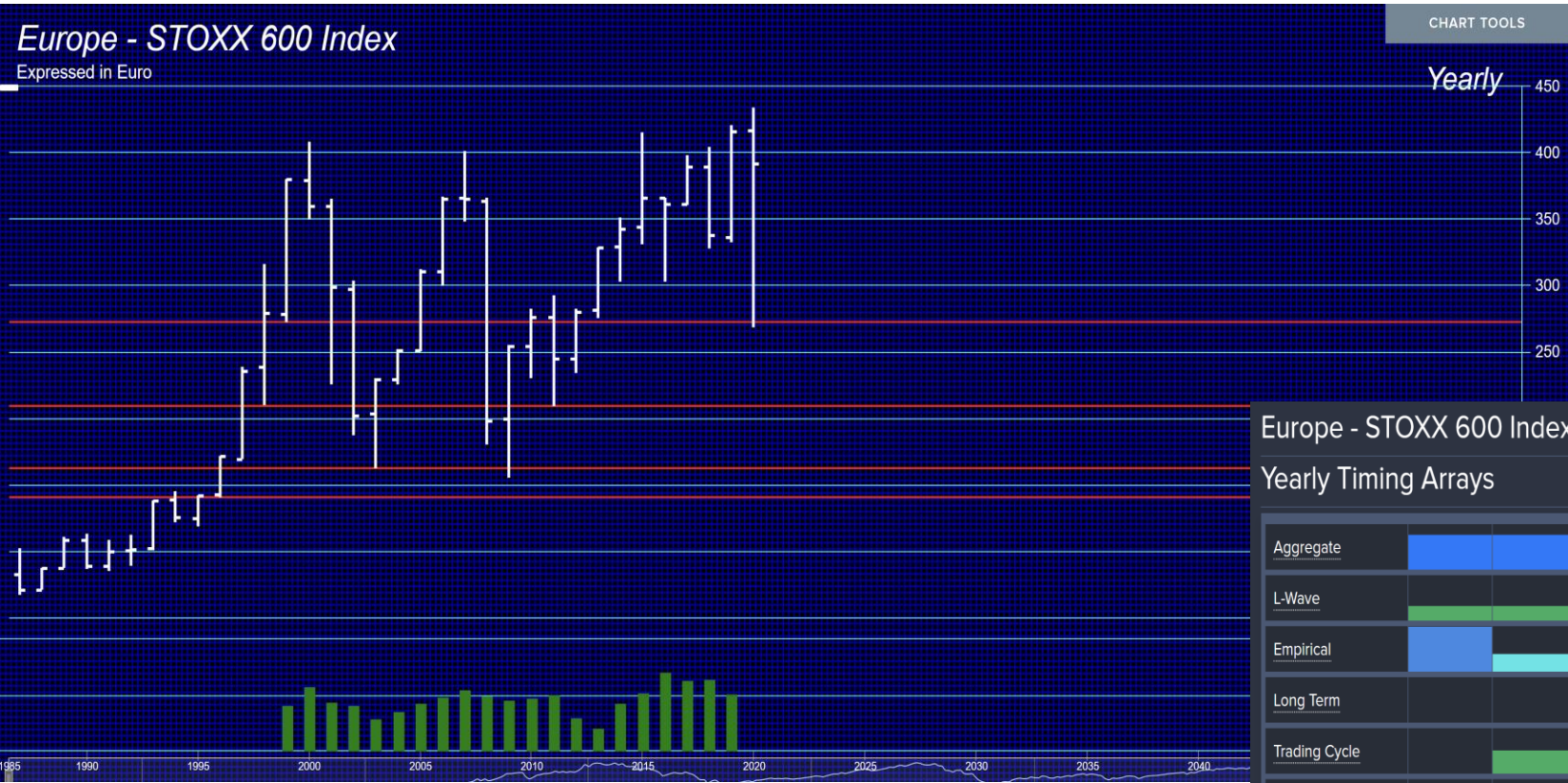


CHART TOOLS

Yearly

## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		271.97	2
			209.25
			2
			162.23
			140.45

## Europe - STOXX 600 Index

### Yearly Timing Arrays

	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030

## Yearly Indicating Ranges

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



# STOXX 600 (as of QUARTERLY close – Sept 2020)

Europe - STOXX 600 Index  
Expressed in Euro

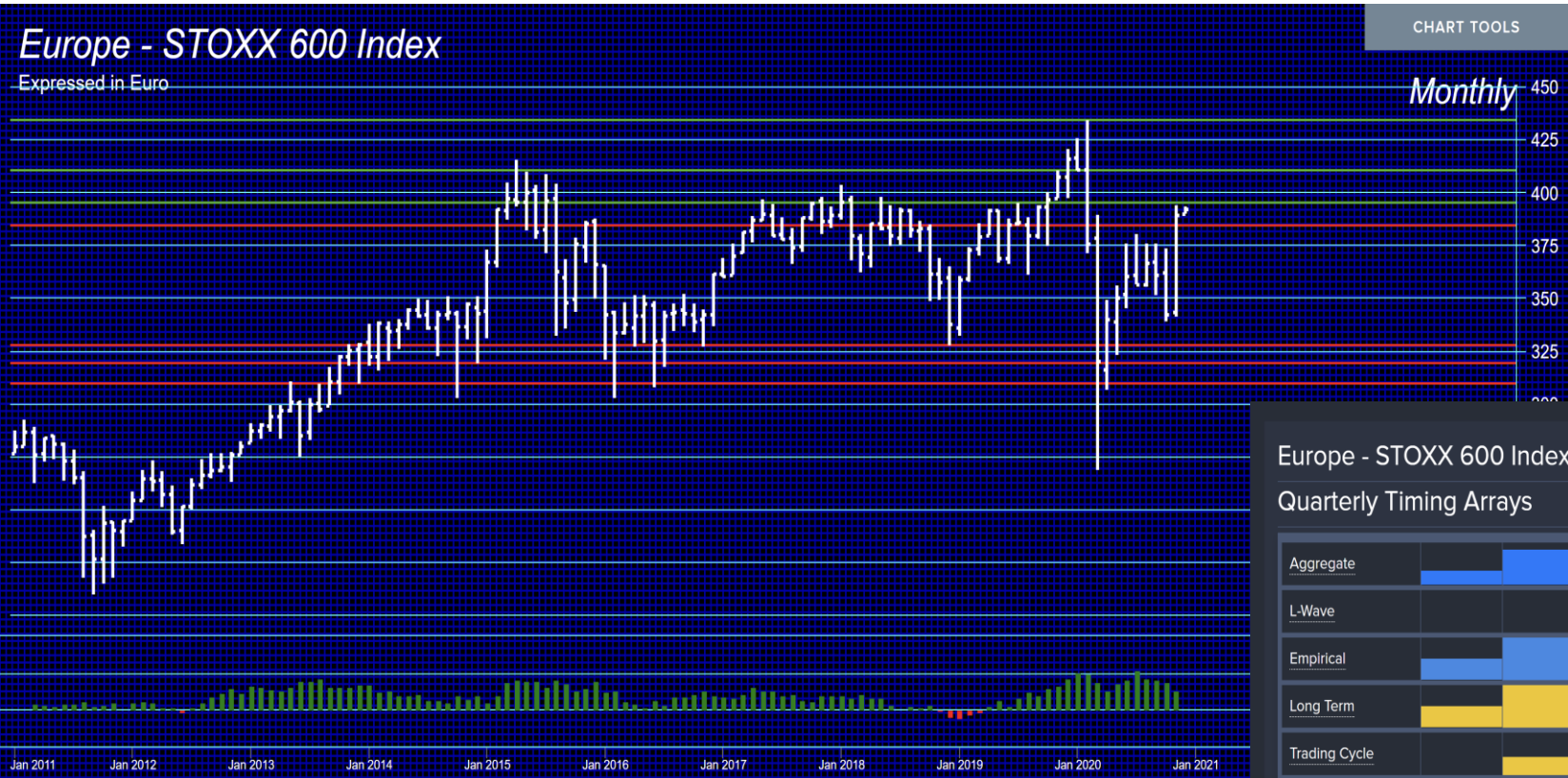


CHART TOOLS

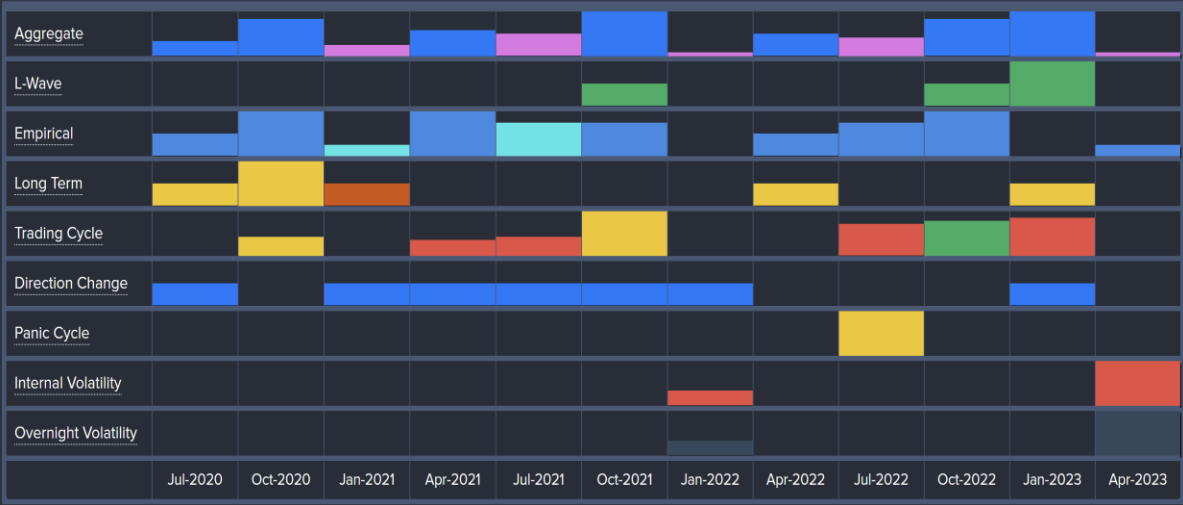
Monthly

## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	365.49	315.60	315.60
	385.34	274.96	304.44
	403.73	2	302.58

Europe - STOXX 600 Index

## Quarterly Timing Arrays



## Quarterly Indicating Ranges

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

# STOXX 600 (as of MONTHLY close – Nov 2020)

Europe - STOXX 600 Index  
Expressed in Euro

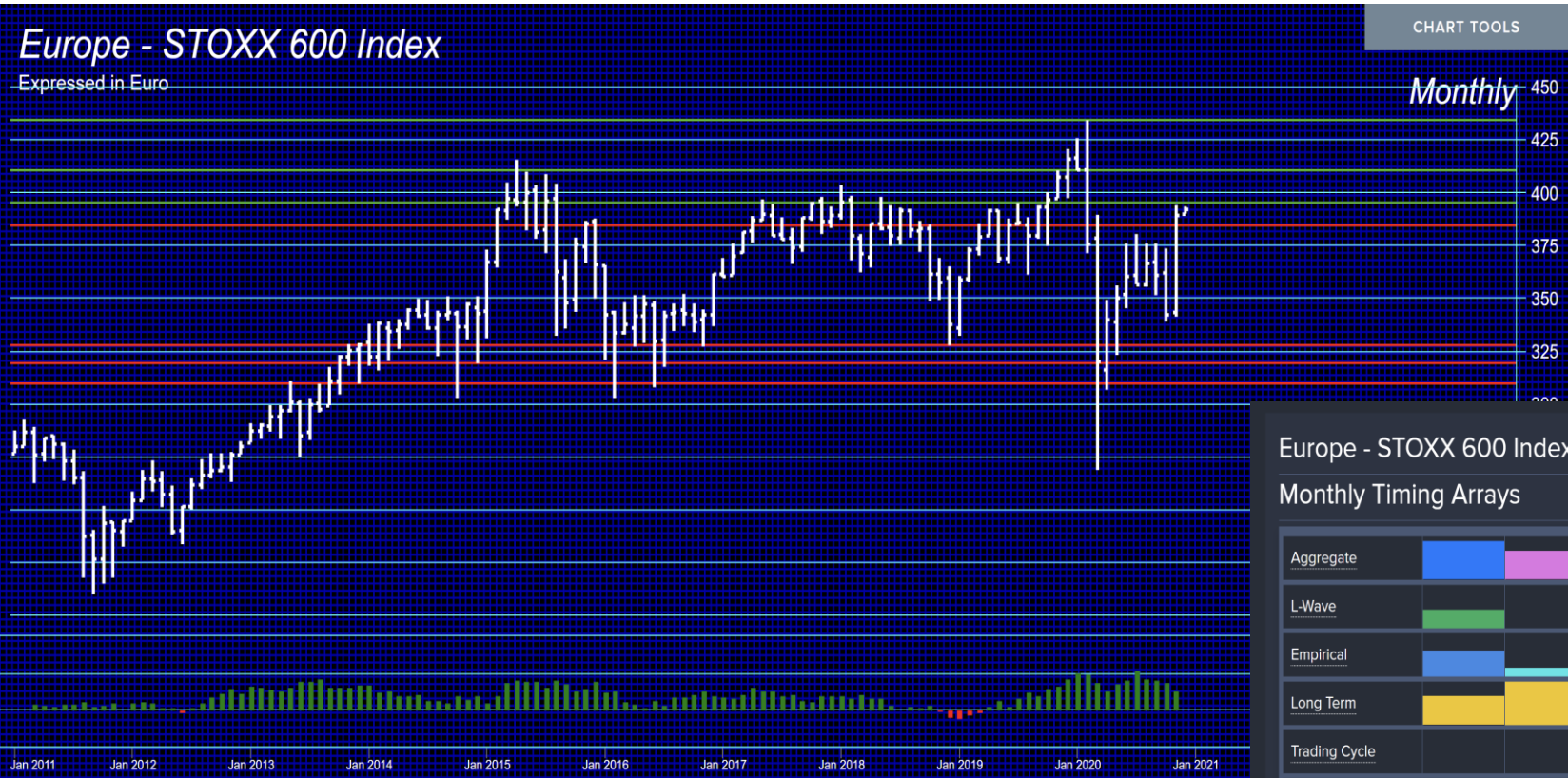


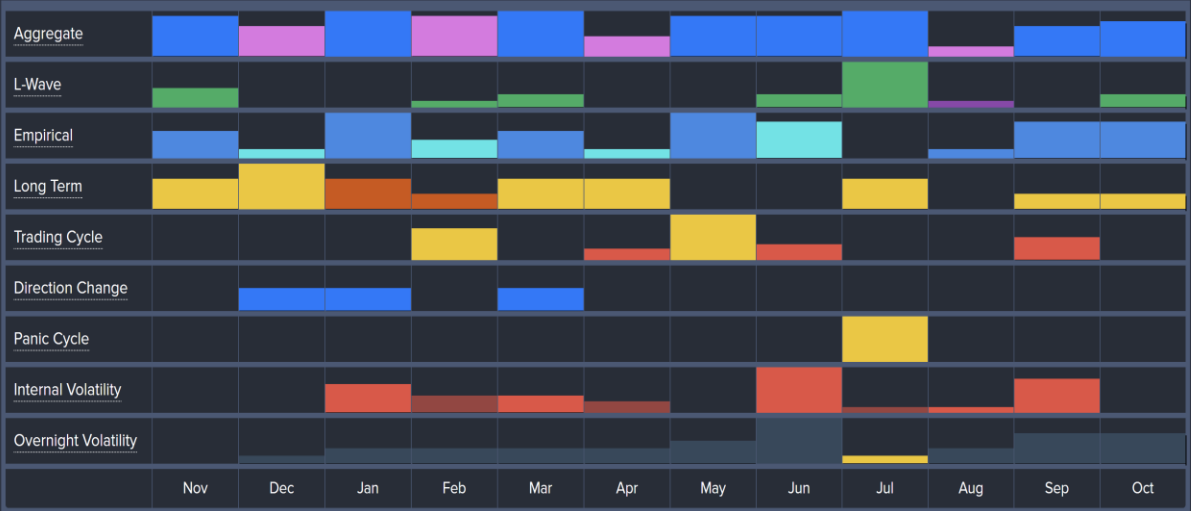
CHART TOOLS

Monthly

## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	395.20	318.94	384.45
	410.40		327.33
	434.00		2309.38

Europe - STOXX 600 Index  
Monthly Timing Arrays



## Monthly Indicating Ranges

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



# FTSE (as of YEARLY close – 2019)

UK - FTSE 100 Index (^FTSE)

Expressed in British Pound



CHART TOOLS

Yearly

## Yearly Reversals

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

UK - FTSE 100 Index

## Yearly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030

## Yearly Indicating Ranges

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



# FTSE (as of QUARTERLY close – Sept 2020)

## UK - FTSE 100 Index (^FTSE)

Expressed in British Pound

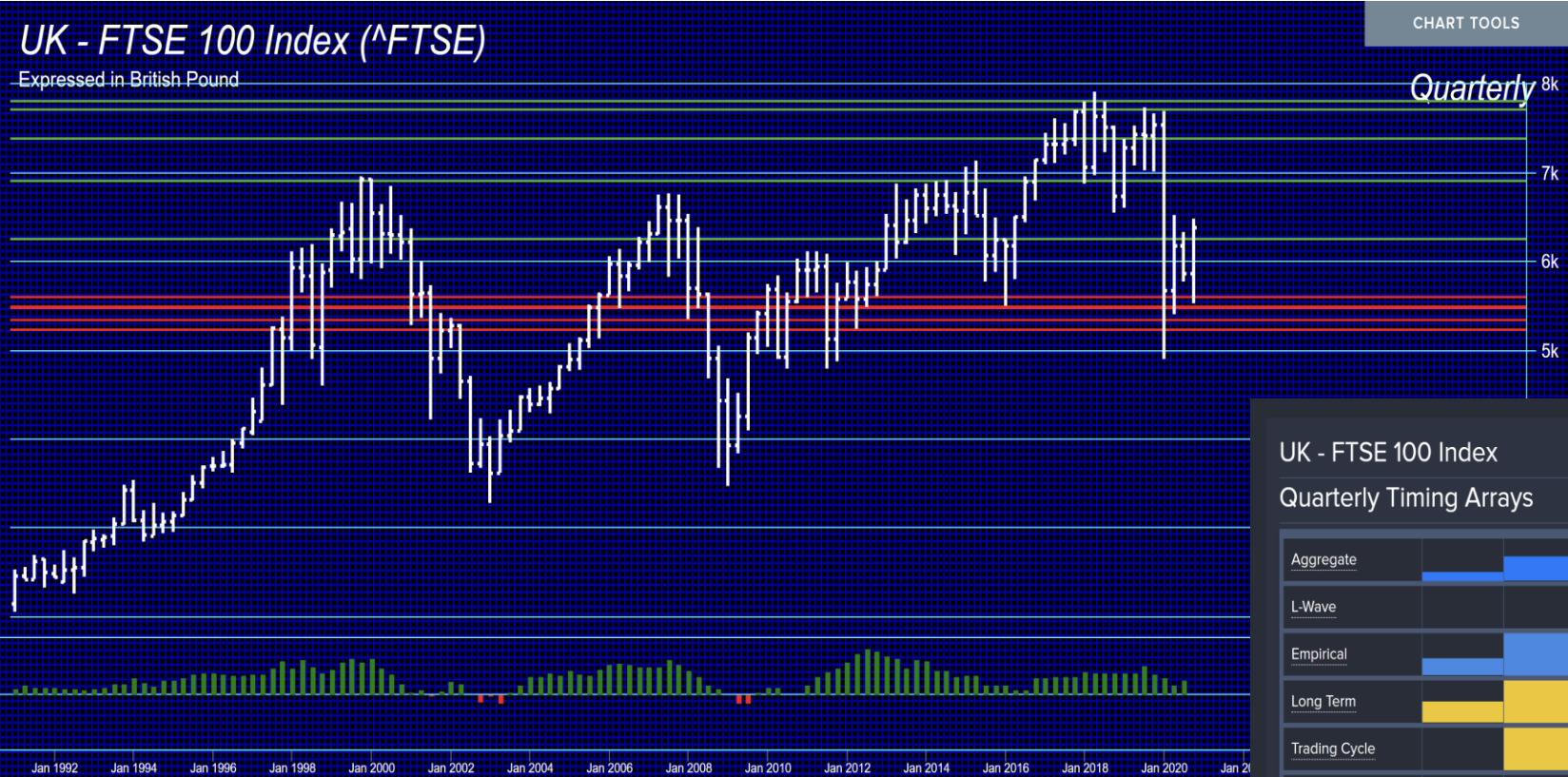


CHART TOOLS

Quarterly 8k

## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	6,242.40		5,591.50
	6,895.00		5,477.90
	7,370.70		5,467.30
	7,697.70		5,338.60
	7,792.70		5,229.70

## UK - FTSE 100 Index

### Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2020	Oct-2020	Jan-2021	Apr-2021	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023

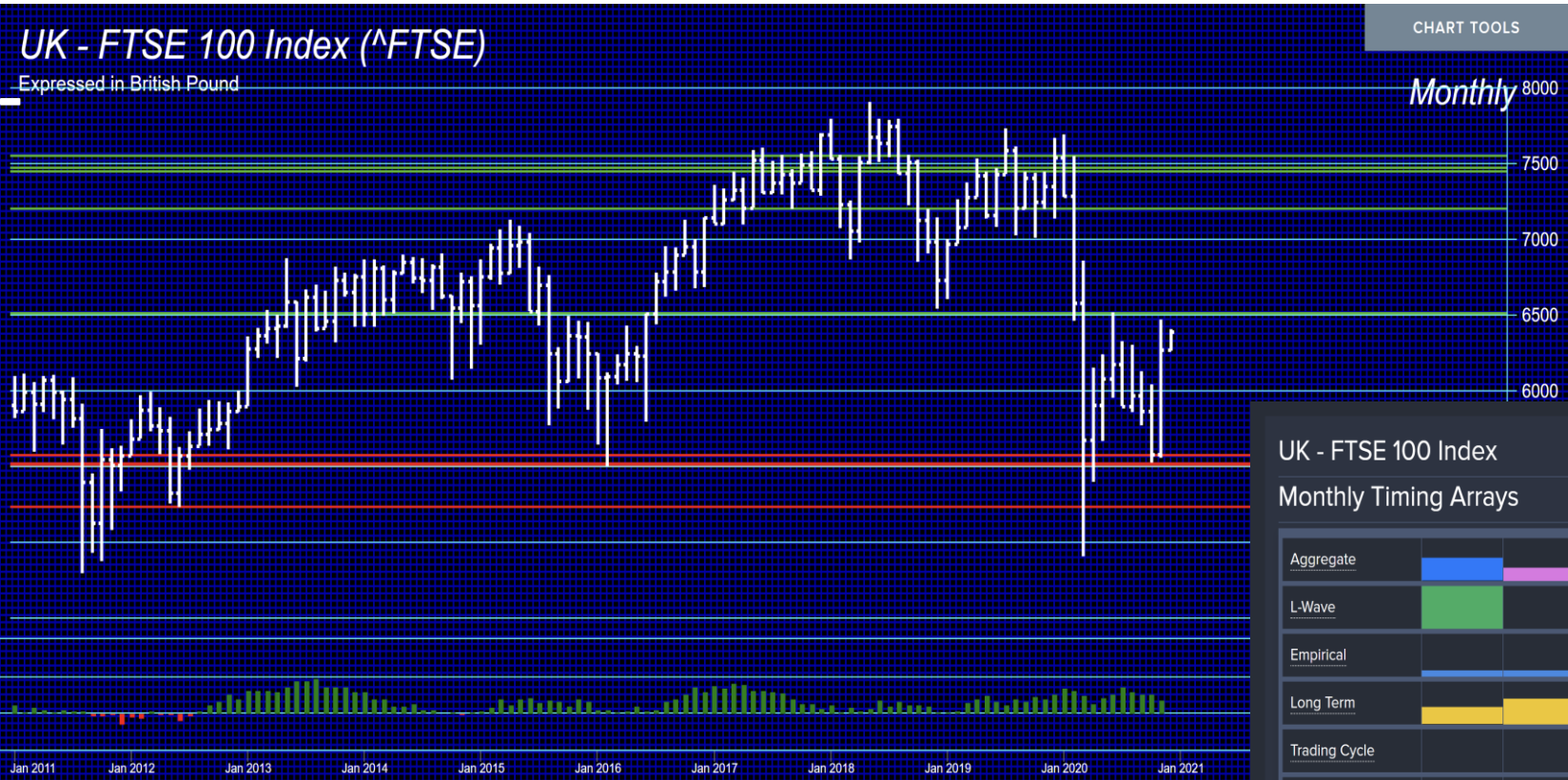
## Quarterly Indicating Ranges

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

# FTSE (as of MONTHLY close – Nov 2020)

## UK - FTSE 100 Index (^FTSE)

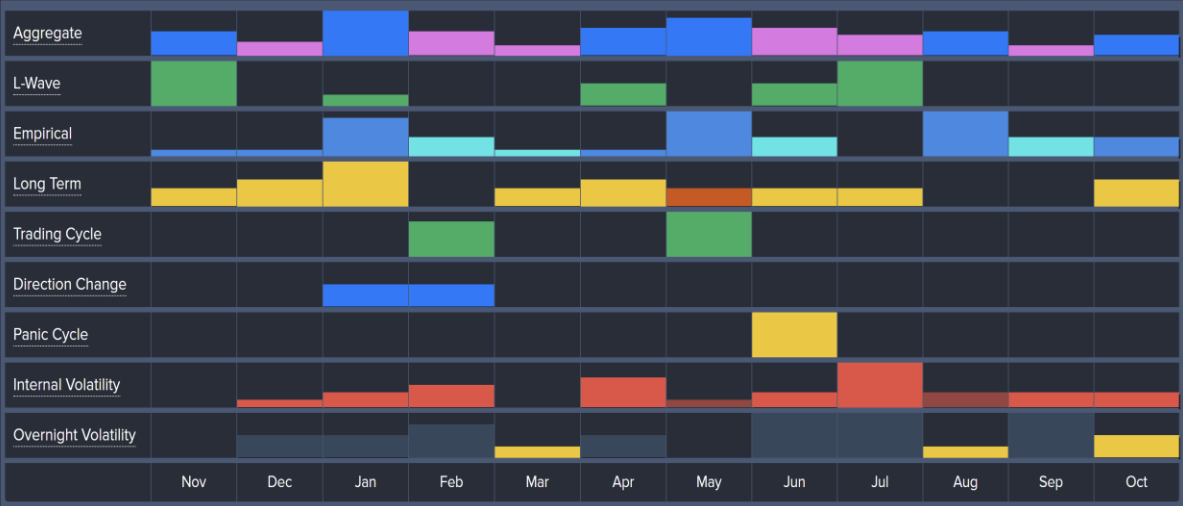
Expressed in British Pound



### Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	6,511.90	5,572.20	5,572.20
2	7,196.50	5,519.10	3
	7,446.10		2
			5,229.70
	7,469.30		
	7,546.30		

### UK - FTSE 100 Index Monthly Timing Arrays



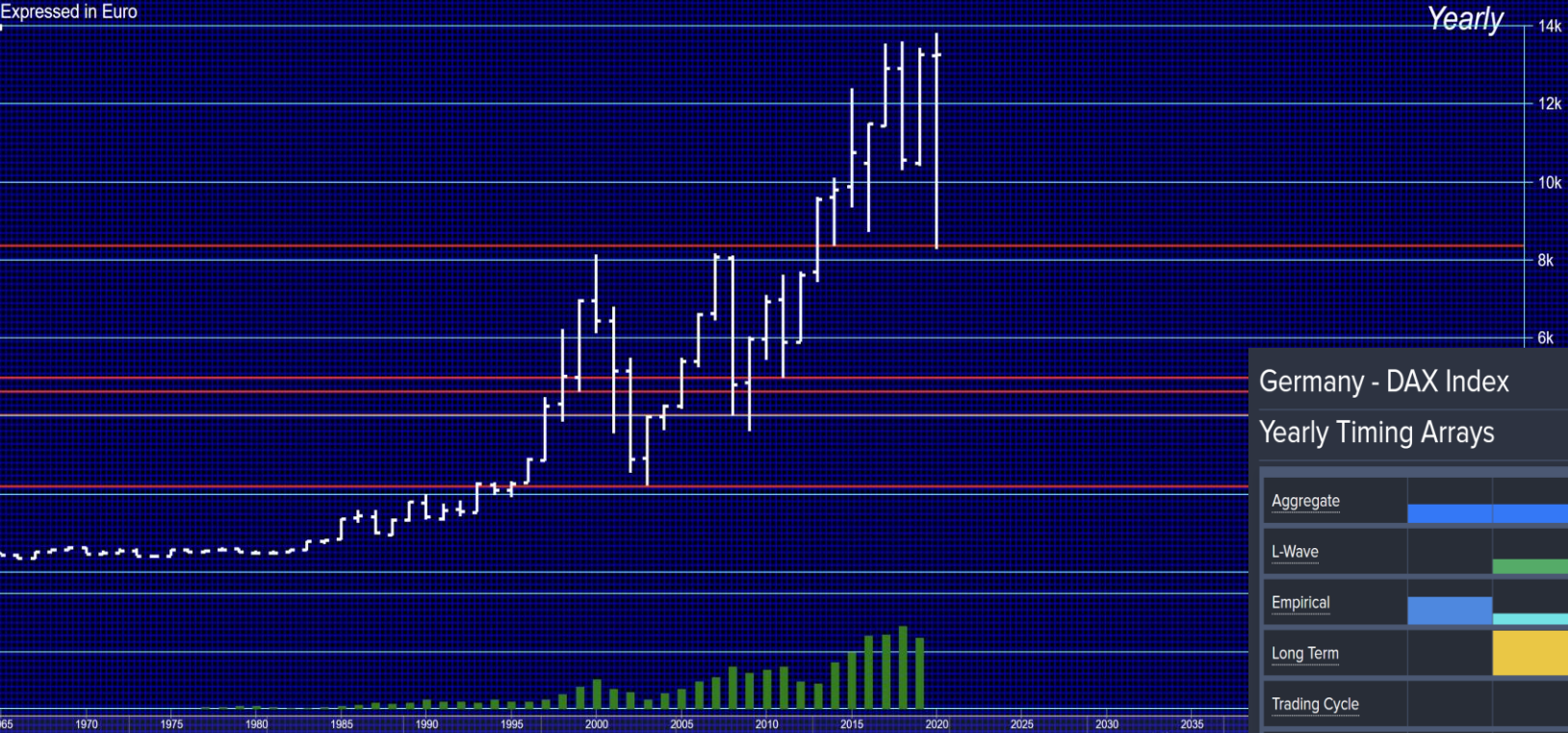
### Monthly Indicating Ranges

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



# DAX (as of YEARLY close – 2019)

## Germany - DAX Index (^GDAX)



## Yearly Indicating Ranges

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

## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
		8,354.96	
		4,965.70	
		4,605.26	
		4,014.50	
		2,188.74	

## Germany - DAX Index

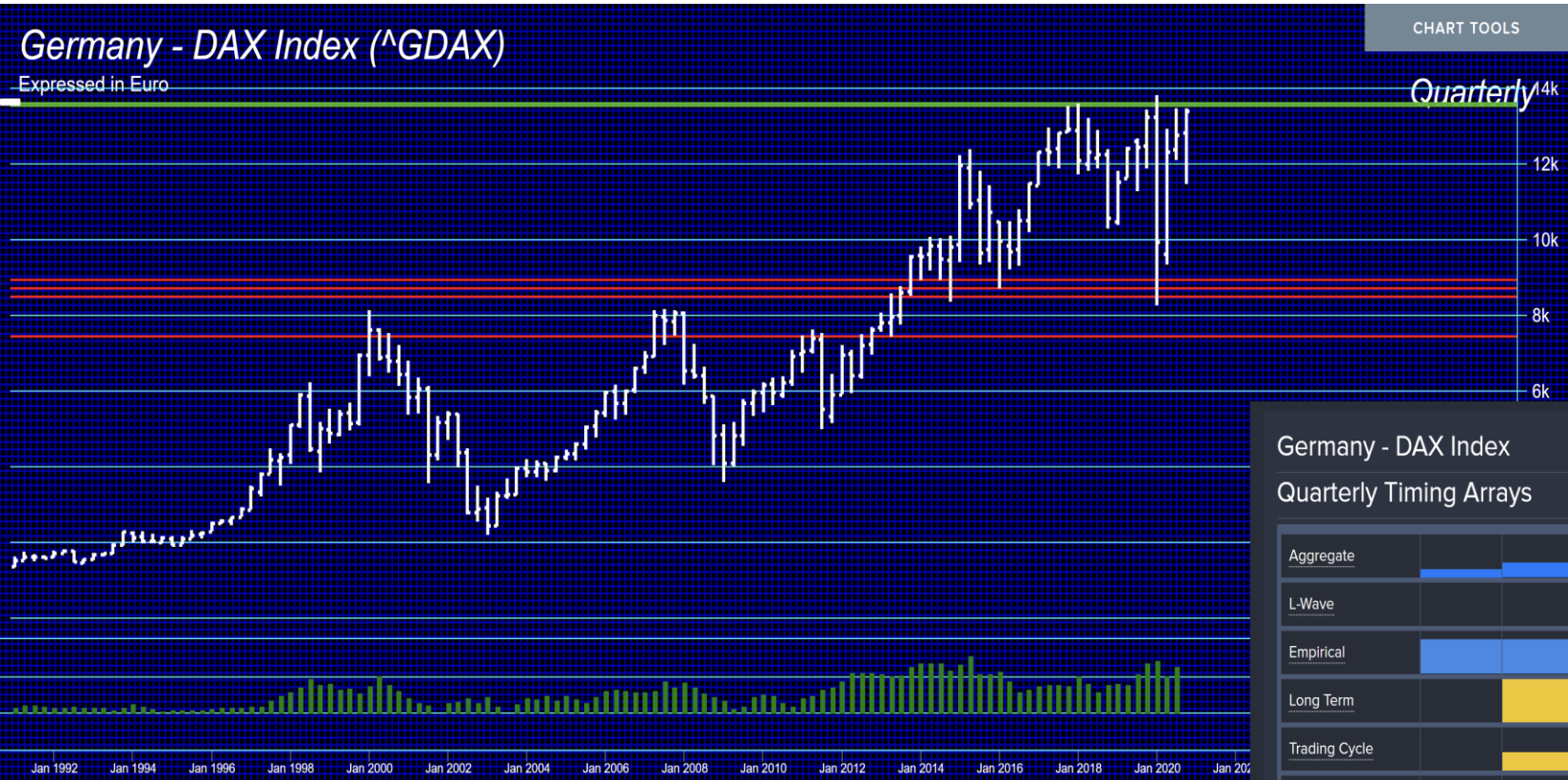
### Yearly Timing Arrays

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												



# DAX (as of QUARTERLY close – Sept 2020)

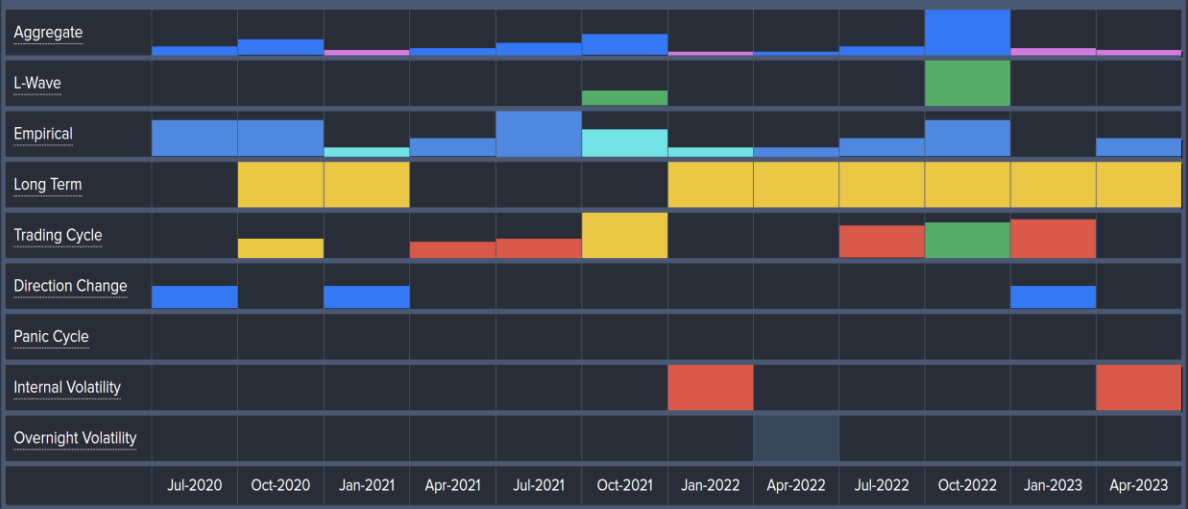
Germany - DAX Index (^GDAX)  
Expressed in Euro



## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
13,525.57	13,596.90	8,913.26	8,913.26
		7,418.35	2 8,699.28
			8,489.61

Germany - DAX Index  
Quarterly Timing Arrays



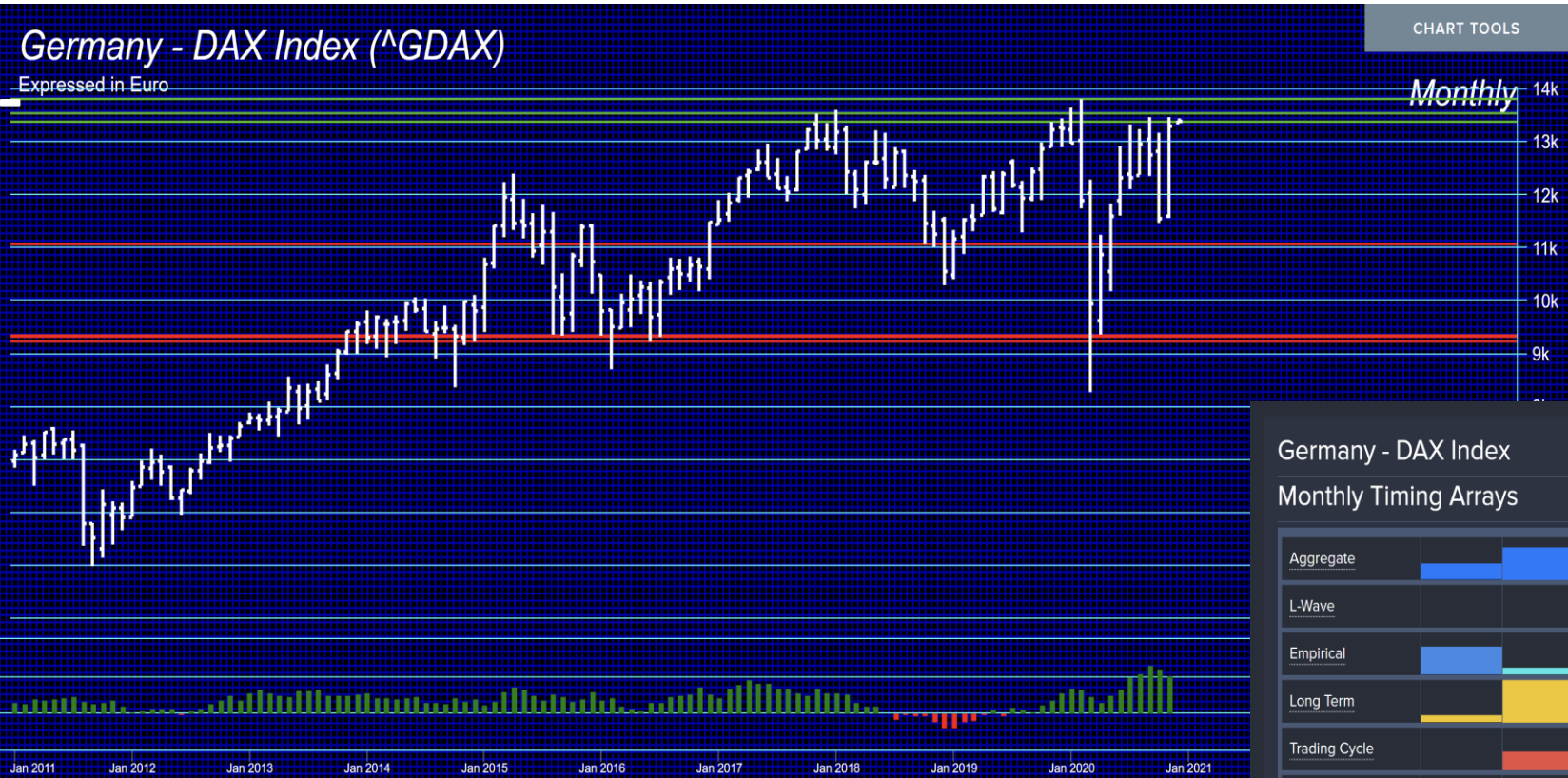
## Quarterly Indicating Ranges

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

# DAX (as of MONTHLY close – Nov 2020)

## Germany - DAX Index (^GDAX)

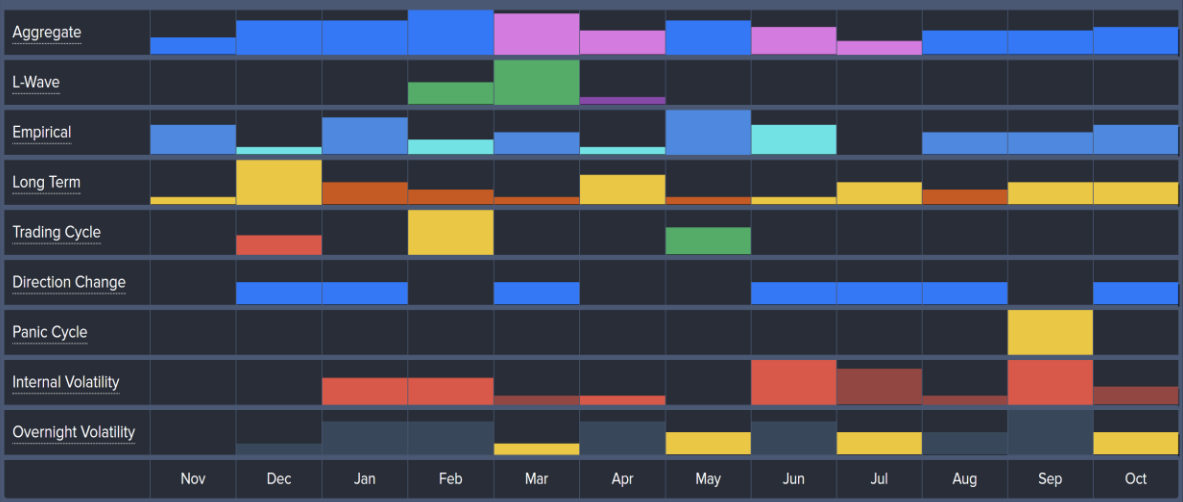
Expressed in Euro



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	13,374.28		11,051.03
	13,525.57		9,337.01
	13,795.25		9,325.04
			9,314.56
			9,219.04

## Germany - DAX Index Monthly Timing Arrays



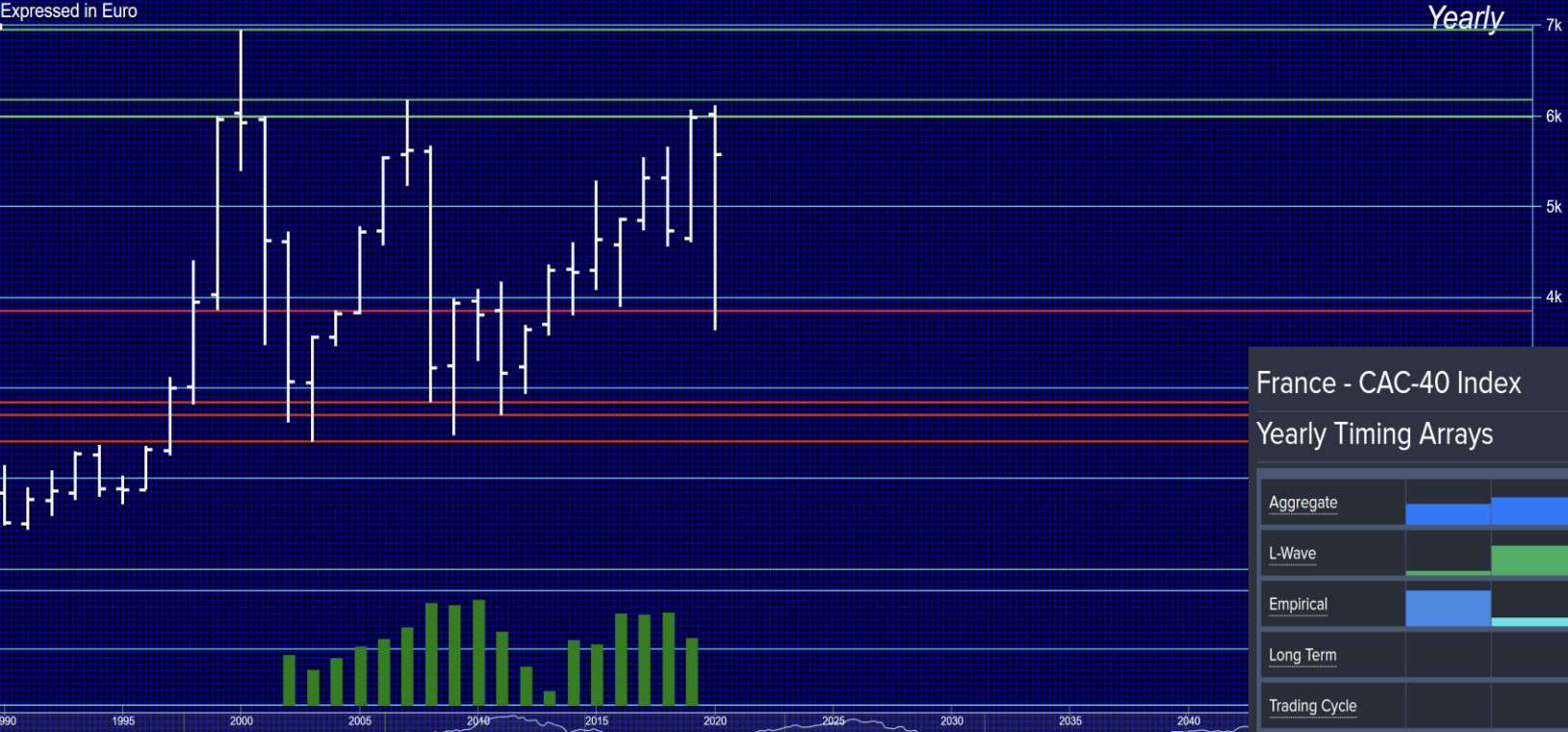
## Monthly Indicating Ranges

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



# CAC-40 (as of YEARLY close – 2019)

France - CAC-40 Index (^FCHI)



Yearly Indicating Ranges

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

Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
5,979.55	6,168.16	3,845.76	2,693.20
	6,944.78	2,838.40	2,401.14
	6,944.78		

France - CAC-40 Index

Yearly Timing Arrays

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

# CAC-40 (as of QUARTERLY close – Sept 2020)

France - CAC-40 Index (^FCHI)

Expressed in Euro

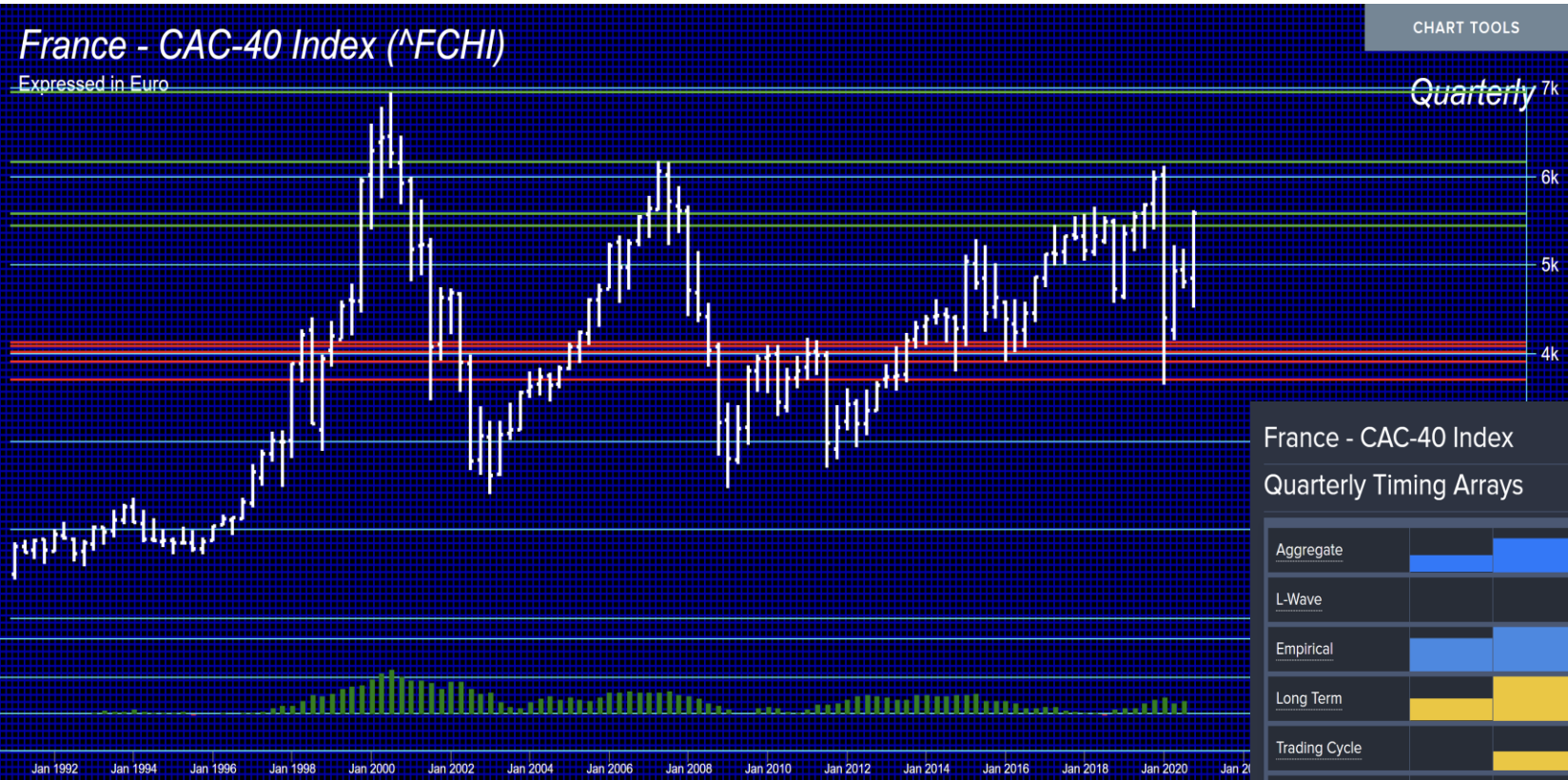


CHART TOOLS

Quarterly 7k

## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
5,443.20	6,156.17	3,693.93	4,109.30
5,567.40	6,944.78		2 4,080.50
			4,007.96
			3,892.45

France - CAC-40 Index

## Quarterly Timing Arrays

	Jul-2020	Oct-2020	Jan-2021	Apr-2021	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023
Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												

## Quarterly Indicating Ranges

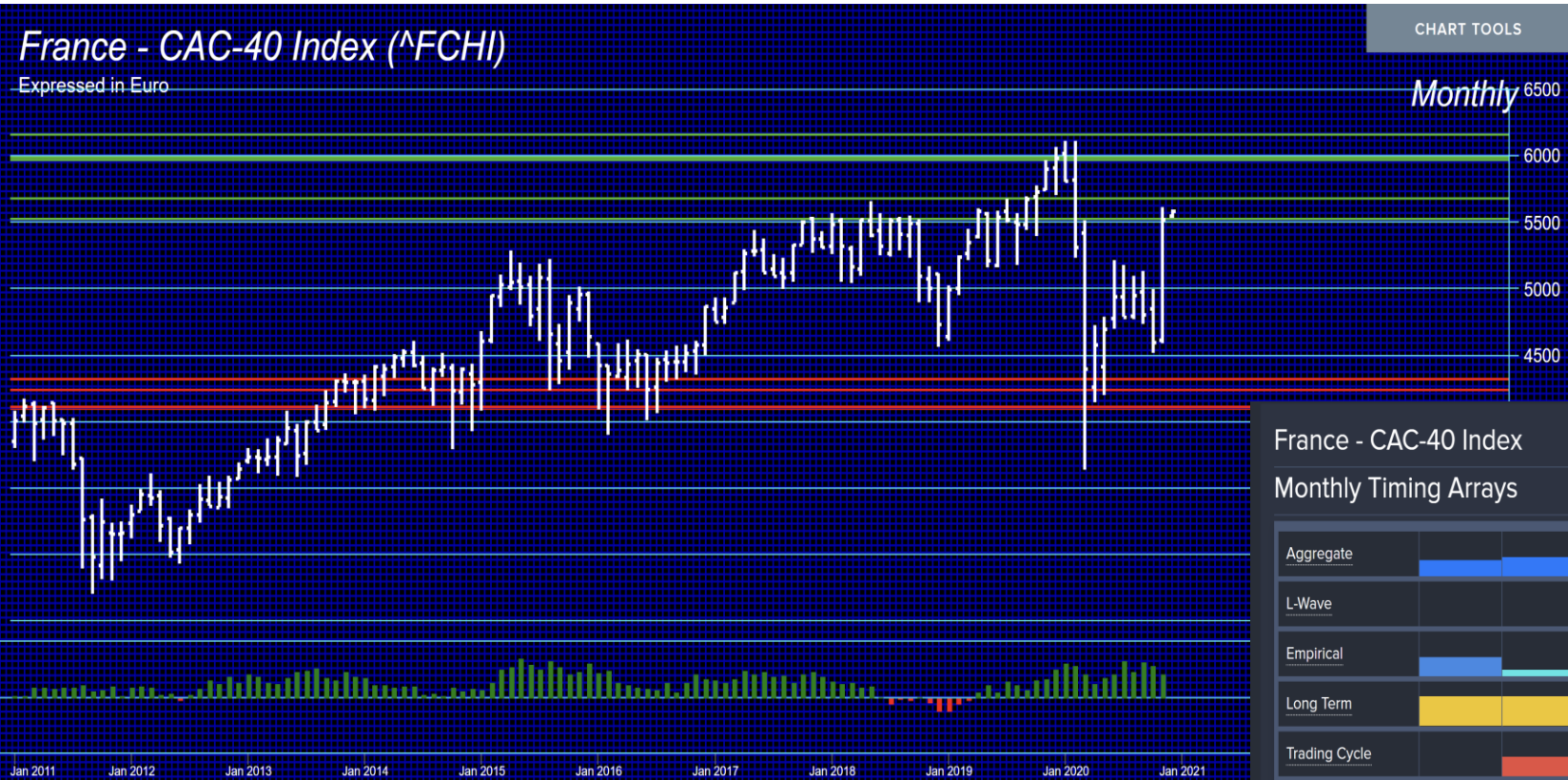
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bearish	Bearish	Bullish	Bullish	Bullish	No Change



# CAC-40 (as of MONTHLY close – Nov 2020)

## France - CAC-40 Index (^FCHI)

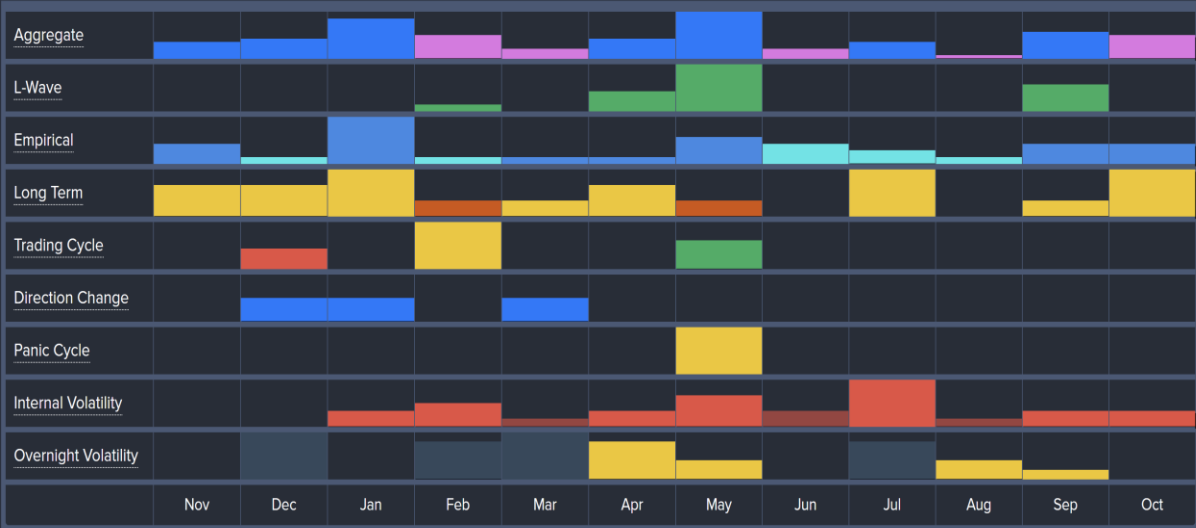
Expressed in Euro



## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	5,521.45	4,109.30	4,310.87
	5,672.78		4,310.87
	5,966.80		4,230.48
	2 5,981.56		2 4,084.67
	2 6,156.17		

## France - CAC-40 Index Monthly Timing Arrays



## Monthly Indicating Ranges

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

# NIKKEI (as of YEARLY close – 2019)

Japan - NIKKEI Tokyo Index (^N225)



CHART TOOLS

## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	2	14,295.80	8,197.21
	23,901.90		
	26,646.82	14,194.30	
	2	13,885.10	
	30,264.37		
	38,950.78	13,122.60	

Japan - NIKKEI Tokyo Index

## Yearly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030

## Yearly Indicating Ranges

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



# NIKKEI (as of QUARTERLY close – Sept 2020)

Japan - NIKKEI Tokyo Index (^N225)

Expressed in Yen

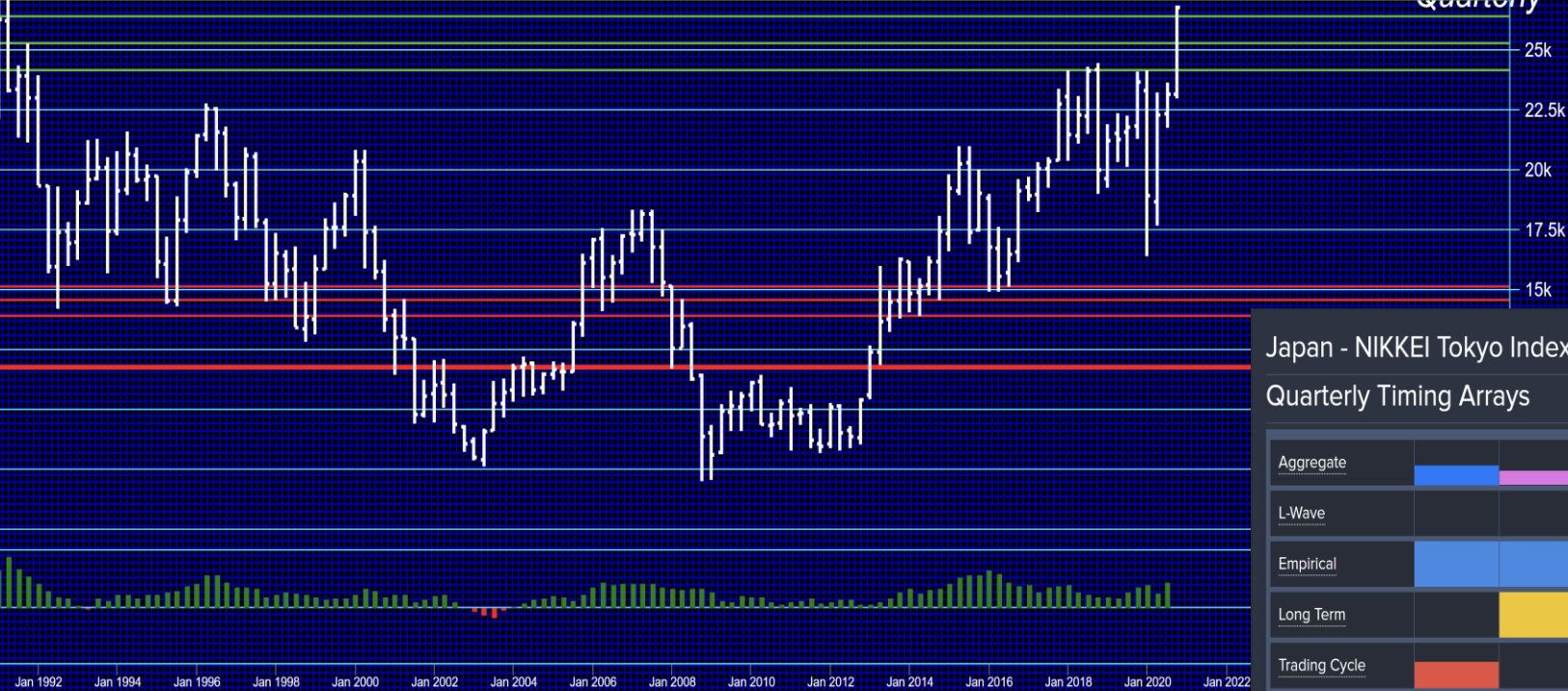


CHART TOOLS

## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
28,475.69	24,129.35	13,885.10	15,106.51
	25,254.90	11,805.77	14,529.02
	26,376.82	11,690.90	
	27,092.30		

Japan - NIKKEI Tokyo Index

## Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2020	Oct-2020	Jan-2021	Apr-2021	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023

## Quarterly Indicating Ranges

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

# NIKKEI (as of MONTHLY close – Nov 2020)

Japan - NIKKEI Tokyo Index (^N225)

Expressed in Yen

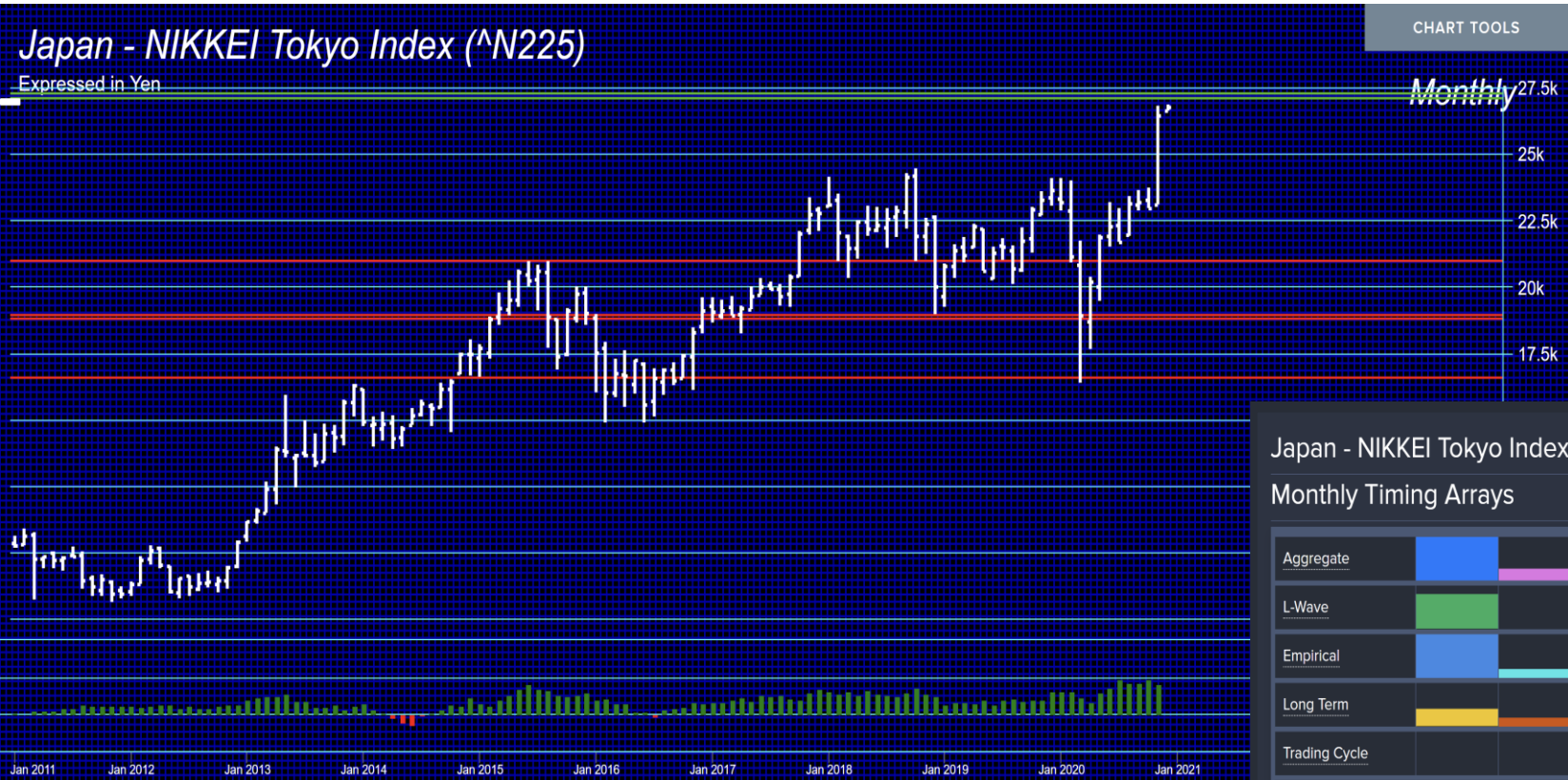


CHART TOOLS

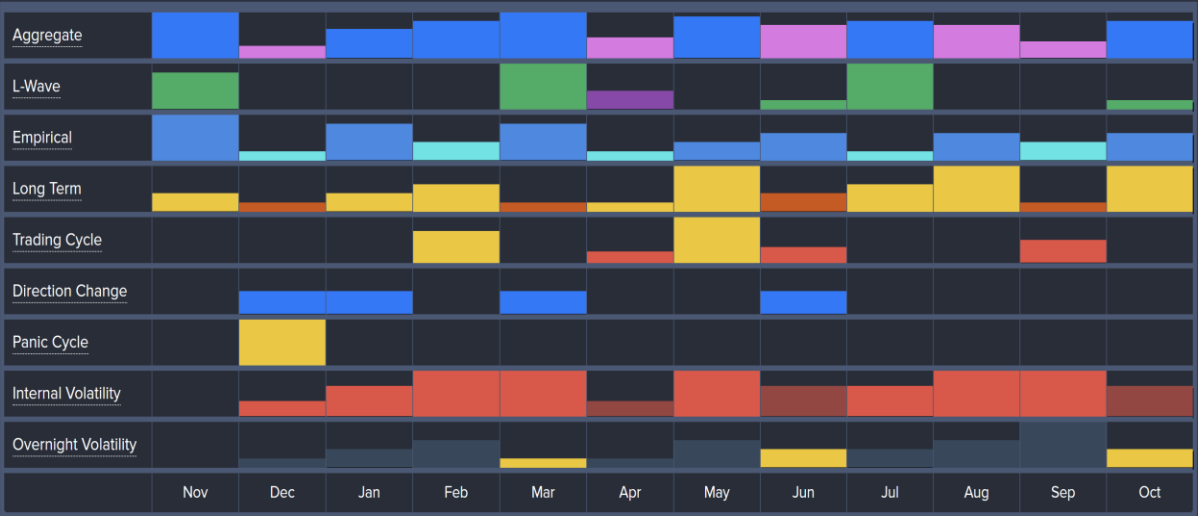
Monthly

## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
27,092.30	27,270.34		20,993.43
29,579.88	31,371.54		18,948.57
30,524.20			18,805.31
			16,554.82

Japan - NIKKEI Tokyo Index

## Monthly Timing Arrays



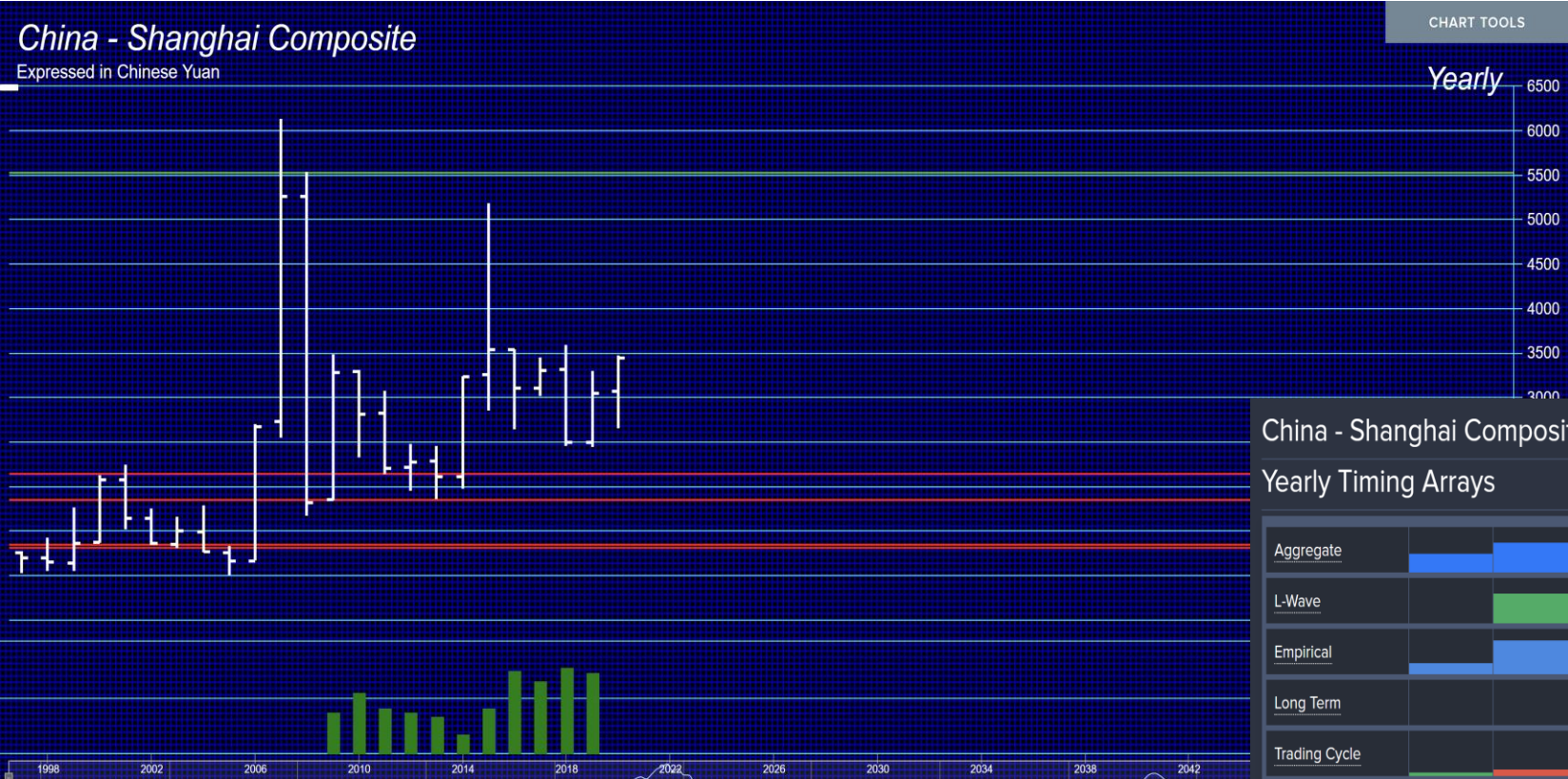
## Monthly Indicating Ranges

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



# SHANGHAI (as of YEARLY close – 2019)

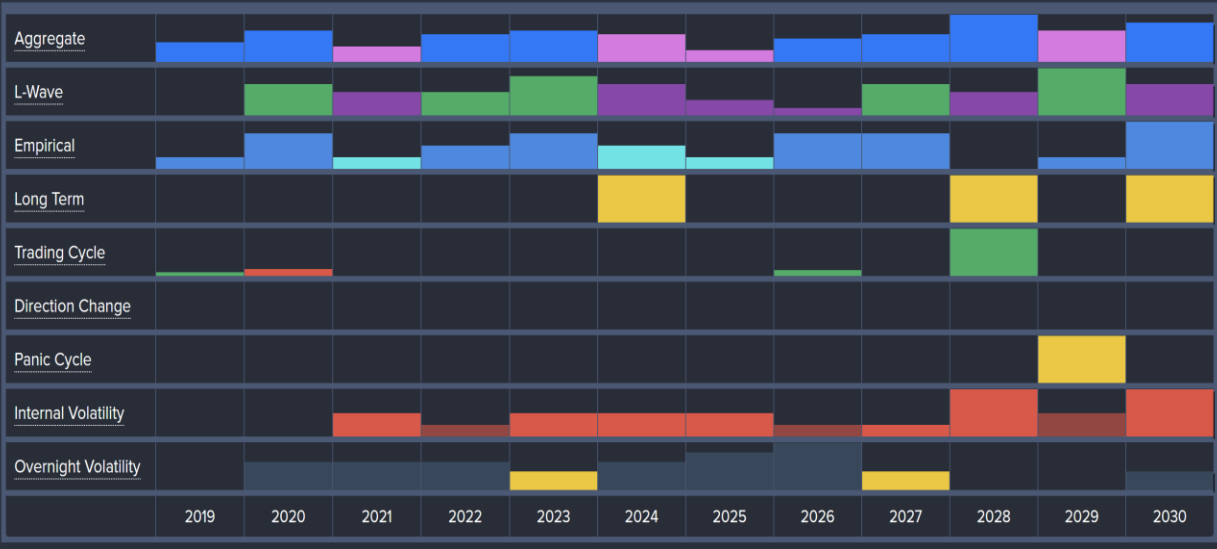
China - Shanghai Composite  
Expressed in Chinese Yuan



## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	5,522.78	2,134.02	
		1,849.65	
		1,844.09	
		1,339.10	
		1,307.39	

China - Shanghai Composite  
Yearly Timing Arrays



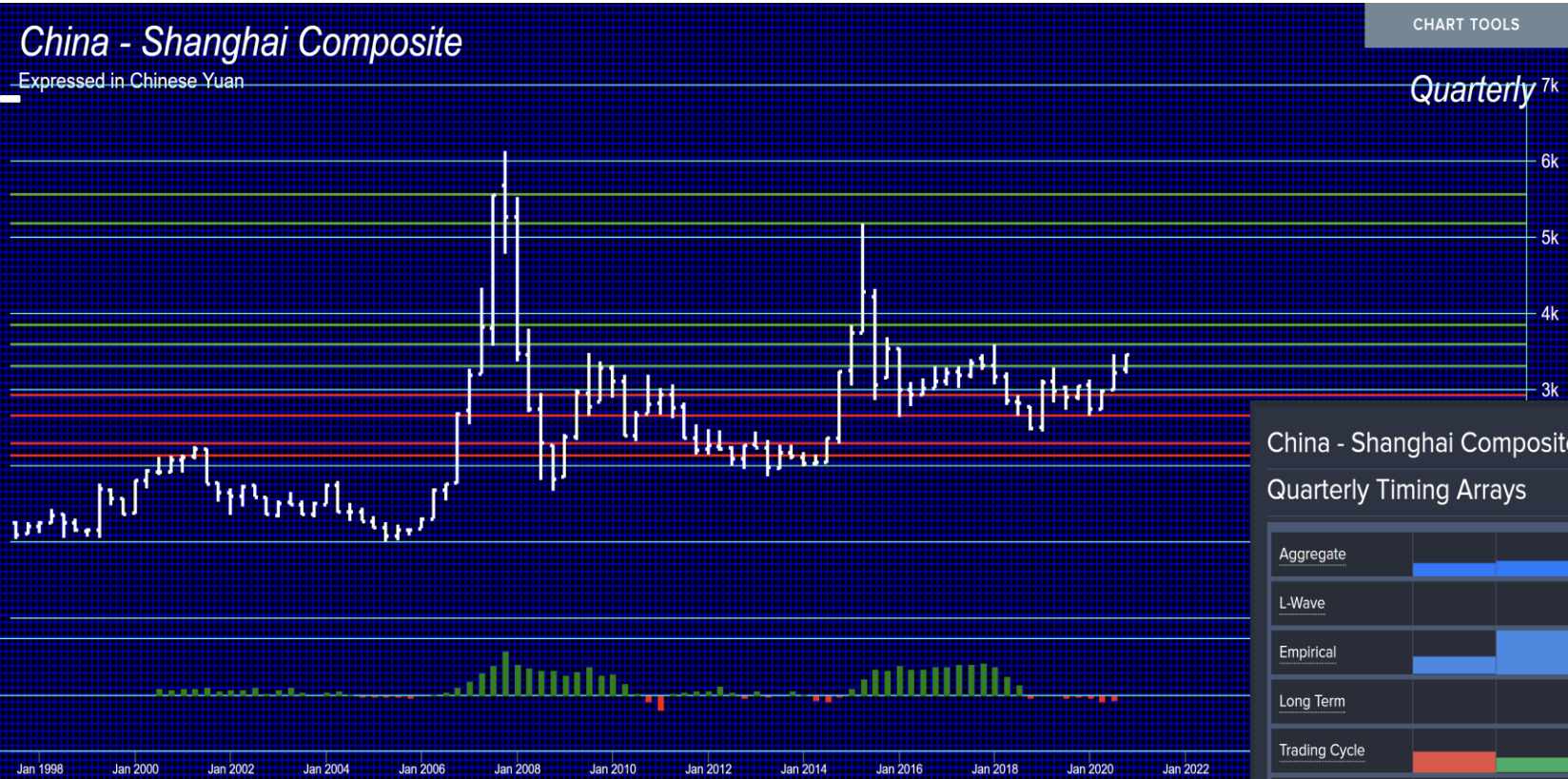
## Yearly Indicating Ranges

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

# SHANGHAI (as of QUARTERLY close – Sept 2020)

## China - Shanghai Composite

Expressed in Chinese Yuan

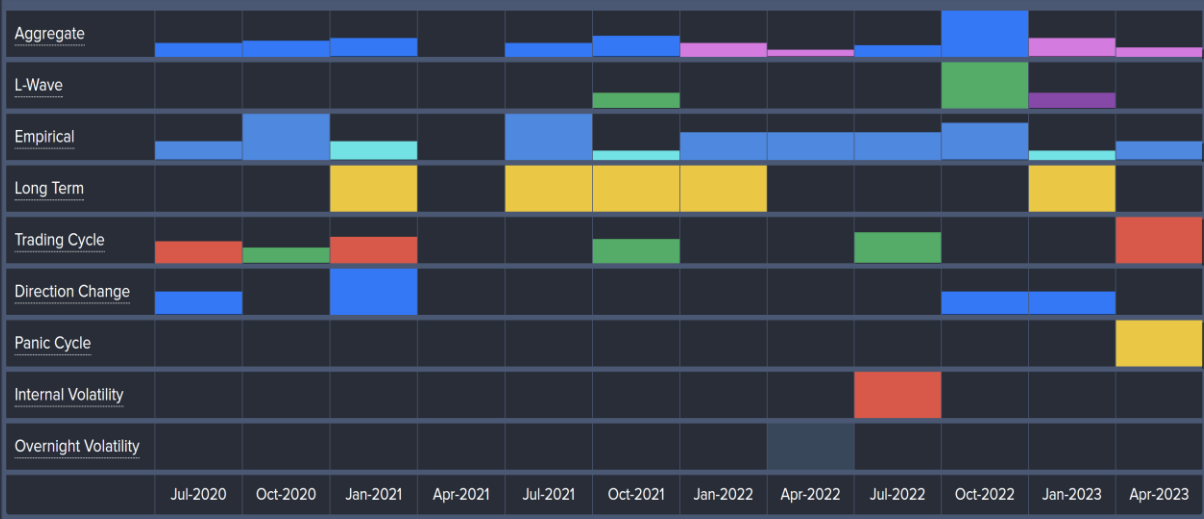


### Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
3,301.21	2		2,922.51
3,587.33	5,178.19		2,644.30
3,835.57	5,560.42		2
			2,279.84
			2,132.63

### China - Shanghai Composite

#### Quarterly Timing Arrays



### Quarterly Indicating Ranges

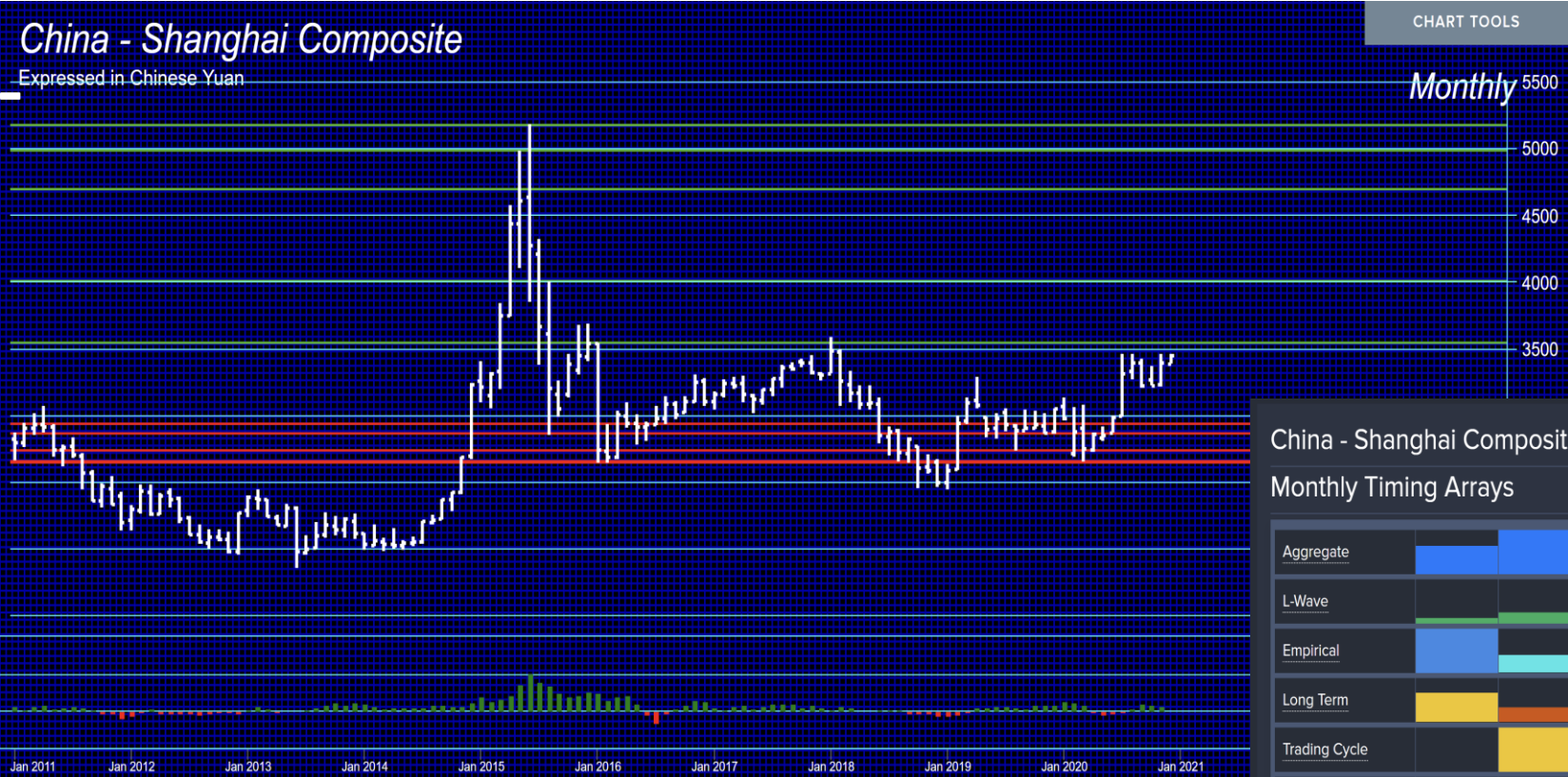
Energy	Momentum	Trend	Long Term Trend	Cyclical Strength	Center Point	Consecutive Closes
Bullish	Bullish	Bullish	Bullish	Neutral	Bullish	No Change



# SHANGHAI (as of MONTHLY close – Nov 2020)

## China - Shanghai Composite

Expressed in Chinese Yuan

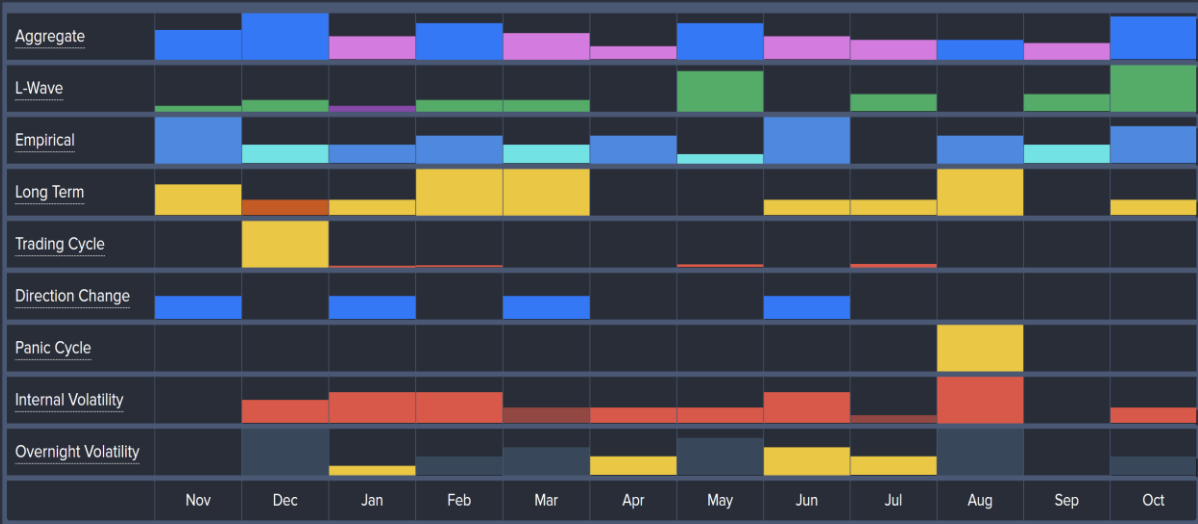


### Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	2		
	3,538.69		2,930.83
	4,006.34		2,857.31
	4,695.80		2,733.92
	4,986.50		2,653.11
2	5,178.19		2,646.80

### China - Shanghai Composite

#### Monthly Timing Arrays



### Monthly Indicating Ranges

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

# HANG SENG (as of YEARLY close – 2019)

Hong Kong - Hang Seng Cash Share Index (^HSI)

Expressed in Hong Kong Dollar



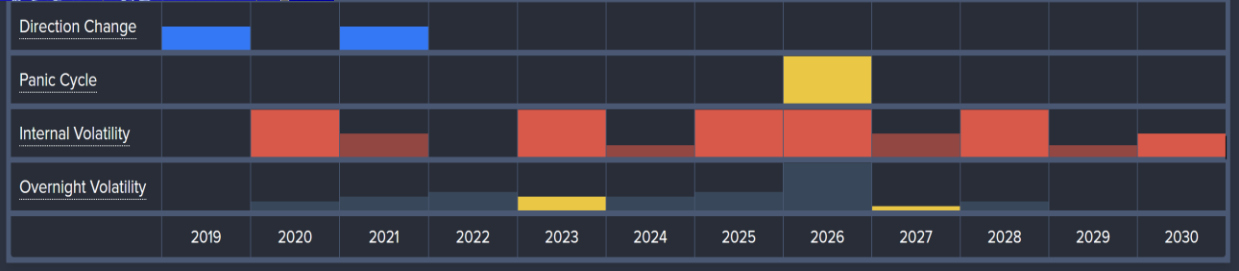
CHART TOOLS

Yearly

## Yearly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
31,958.42	31,958.42	19,426.35	
		16,170.34	
		14,843.96	
		11,344.57	
		8,772.47	

Cash Share Index



## Yearly Indicating Ranges

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



# HANG SENG (as of QUARTERLY close – Sept 2020)

## Hong Kong - Hang Seng Cash Share Index (^HSI)

Expressed in Hong Kong Dollar

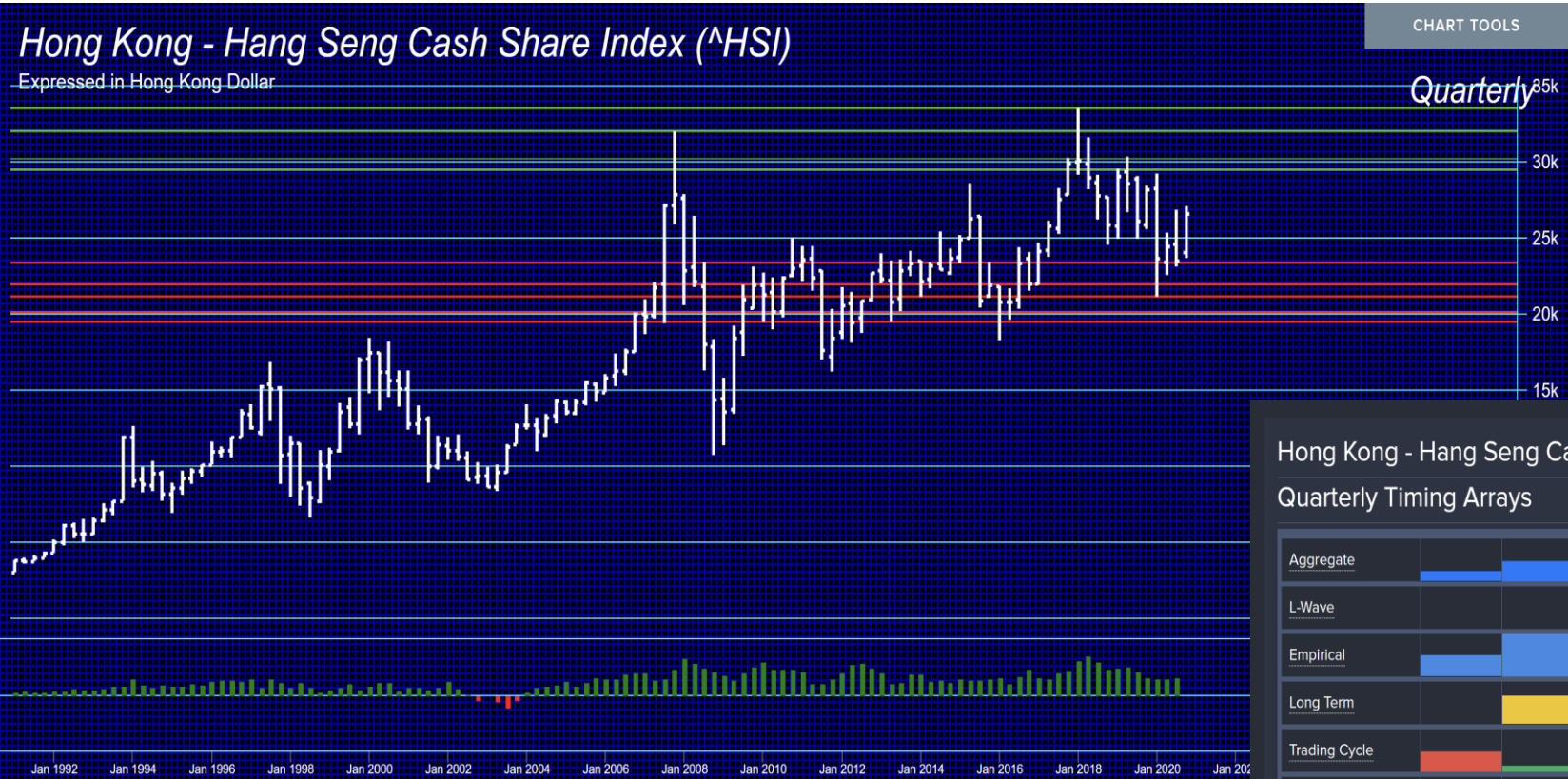


CHART TOOLS

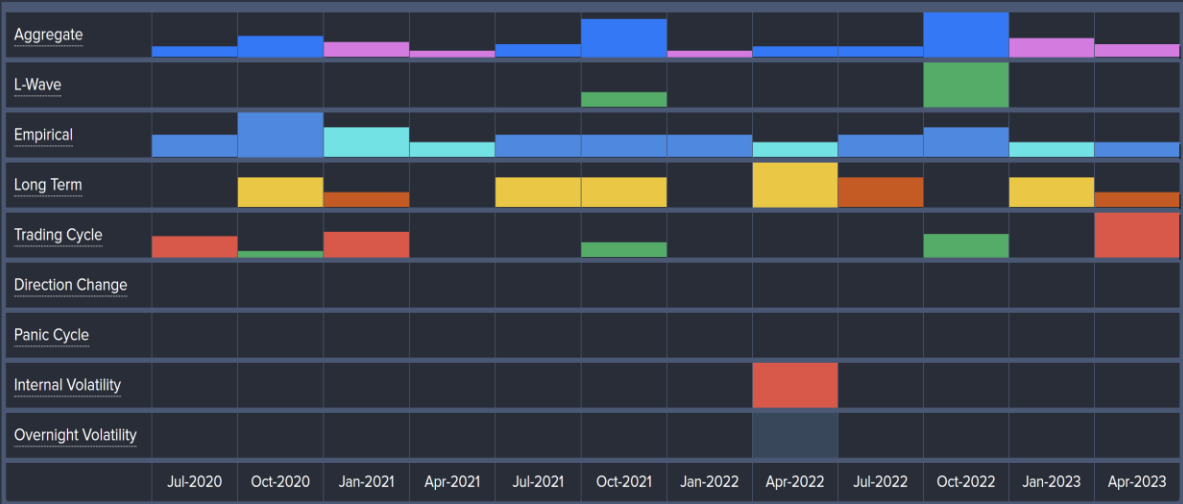
Quarterly

## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
29,486.16	231958.42	21,137.60	23,312.40
30,199.70		20,119.55	21,883.81
33,484.90			19,426.35

## Hong Kong - Hang Seng Cash Share Index

### Quarterly Timing Arrays



## Quarterly Indicating Ranges

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

# HANG SENG (as of MONTHLY close – Nov 2020)

Hong Kong - Hang Seng Cash Share Index (^HSI)  
Expressed in Hong Kong Dollar

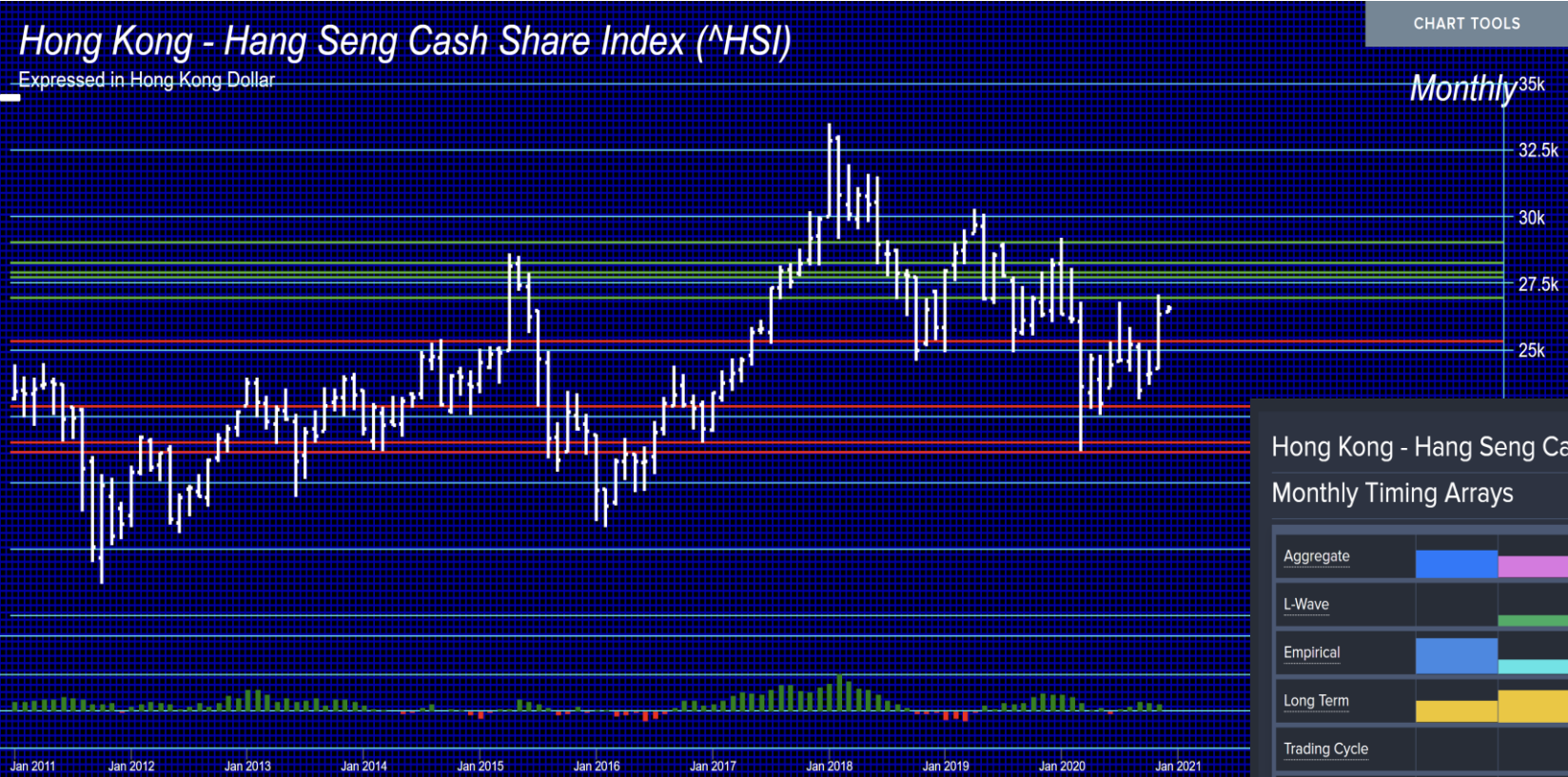


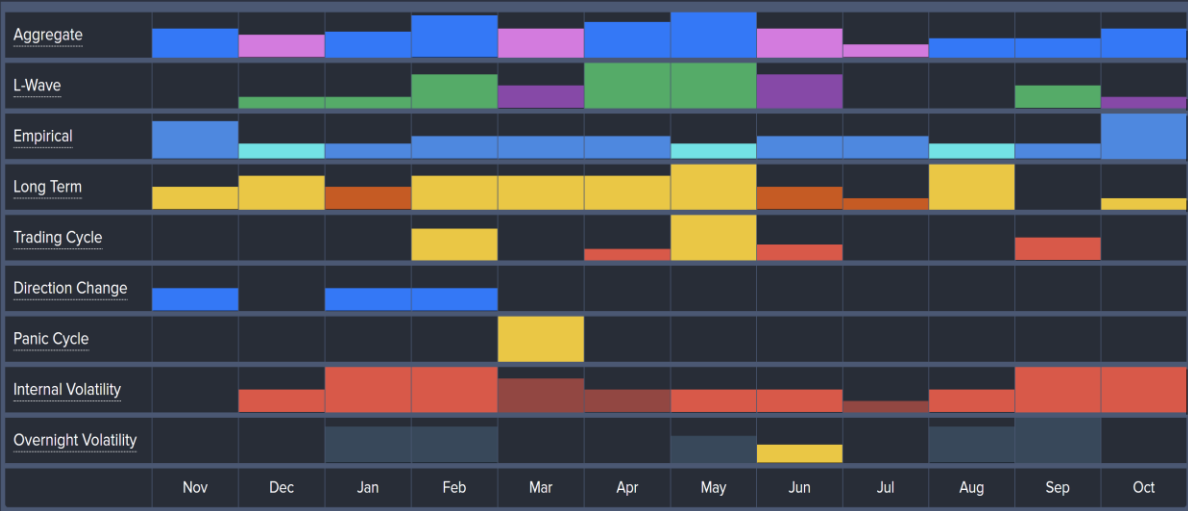
CHART TOOLS

Monthly

## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
26,923.34	27,716.17		25,313.74
27,900.90			22,843.41
28,248.13			21,488.81
29,007.99			21,139.25

Hong Kong - Hang Seng Cash Share Index  
Monthly Timing Arrays



## Monthly Indicating Ranges

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



# ASX 50 (as of YEARLY close – 2019)

## Australia - S&P / ASX 50 Index

Expressed in Australian Dollar



CHART TOOLS

Yearly

## Yearly Reversals

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

## Australia - S&P / ASX 50 Index

### Yearly Timing Arrays

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Aggregate																						
L-Wave																						
Empirical																						
Long Term																						
Trading Cycle																						
Direction Change																						
Panic Cycle																						
Internal Volatility																						
Overnight Volatility																						
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030										

## Yearly Indicating Ranges

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

# ASX 50 (as of QUARTERLY close – Sept 2020)

## Australia - S&P / ASX 50 Index

Expressed in Australian Dollar

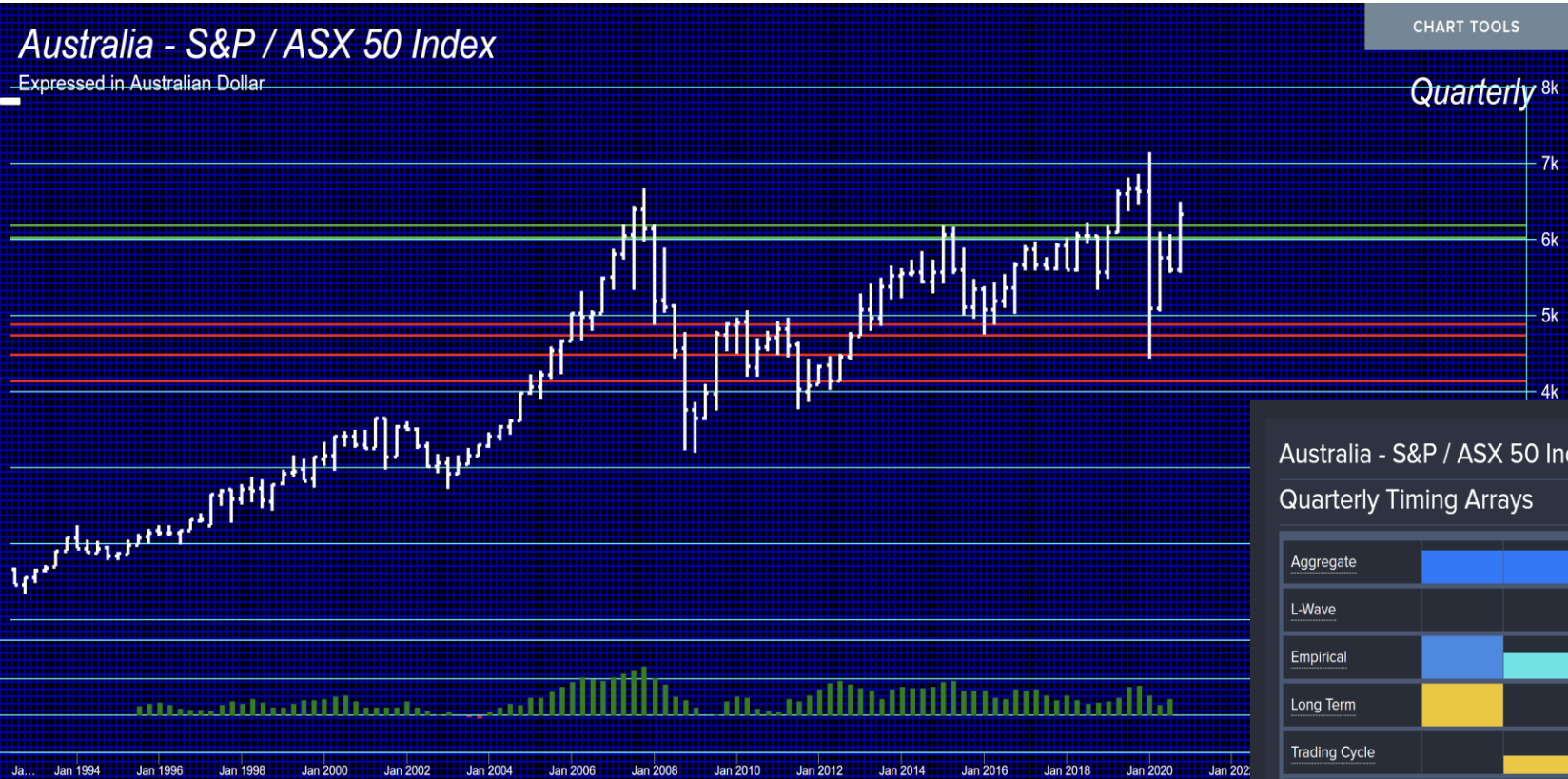


CHART TOOLS

Quarterly

## Quarterly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
6,013.20			4,868.70
6,174.70			4,738.00
			4,732.50
			4,471.40
			4,120.60

## Australia - S&P / ASX 50 Index

### Quarterly Timing Arrays

Aggregate												
L-Wave												
Empirical												
Long Term												
Trading Cycle												
Direction Change												
Panic Cycle												
Internal Volatility												
Overnight Volatility												
	Jul-2020	Oct-2020	Jan-2021	Apr-2021	Jul-2021	Oct-2021	Jan-2022	Apr-2022	Jul-2022	Oct-2022	Jan-2023	Apr-2023

## Quarterly Indicating Ranges

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



# ASX 50 (as of MONTHLY close – Nov 2020)

## Australia - S&P / ASX 50 Index

Expressed in Australian Dollar

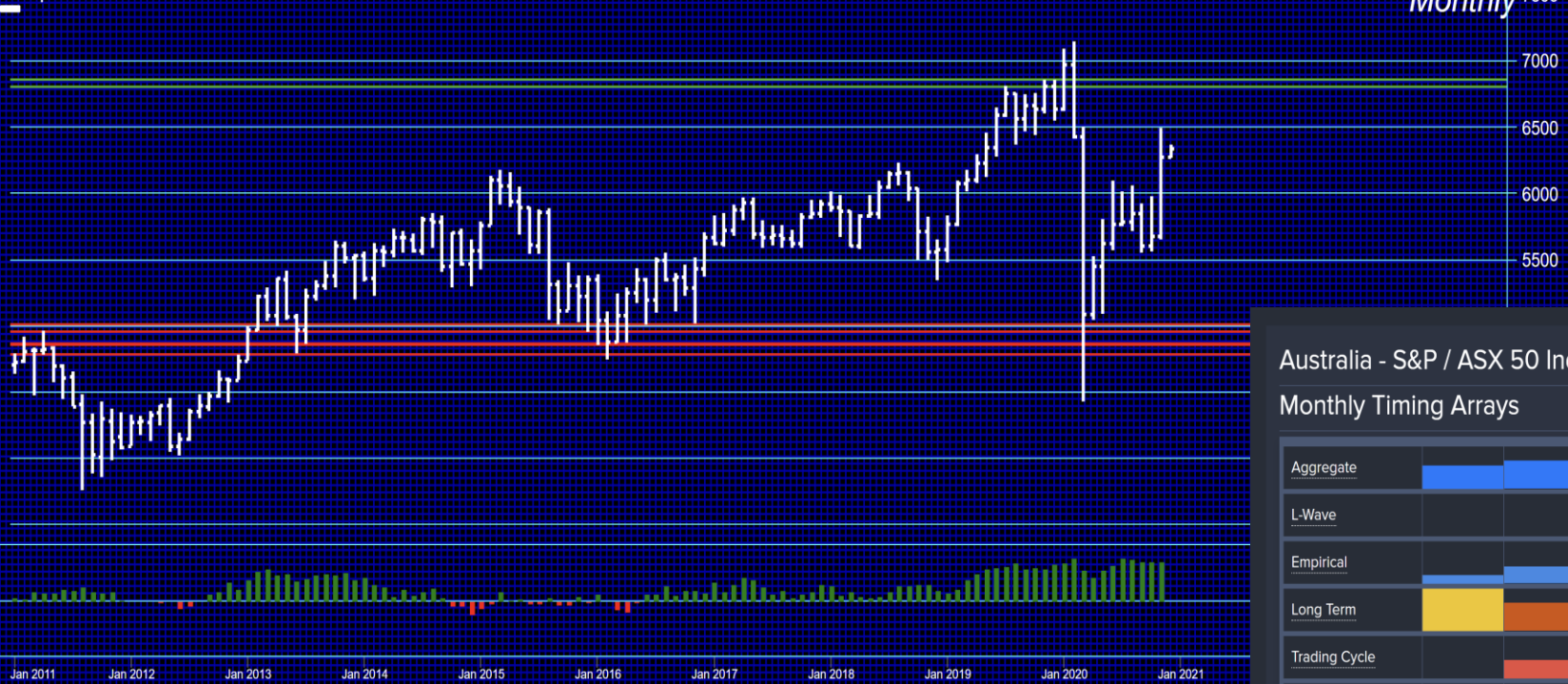


CHART TOOLS

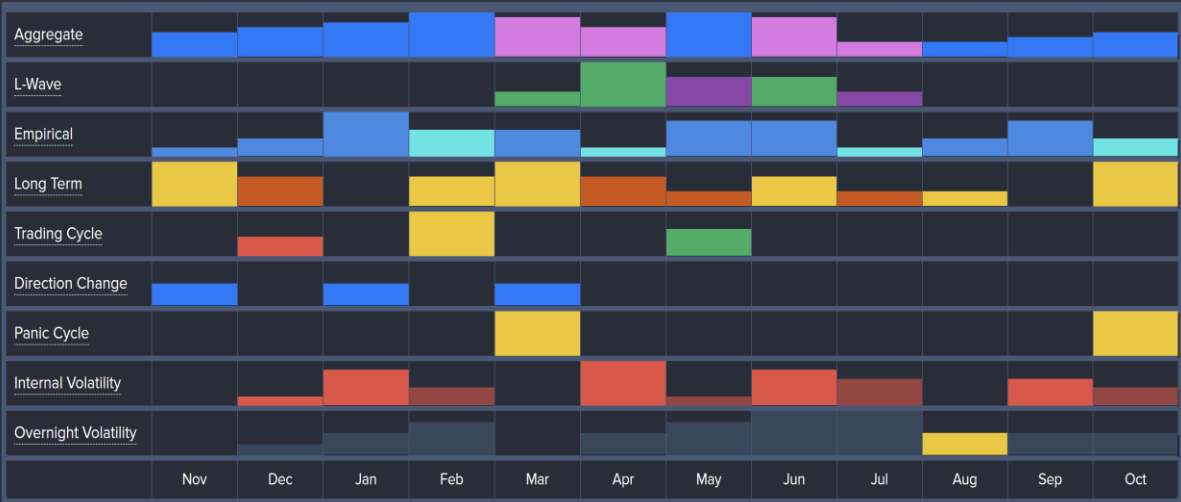
Monthly

## Monthly Reversals

BULLISH		BEARISH	
MAJOR	MINOR	MAJOR	MINOR
	6,807.30	5,002.30	2 4,950.04
	6,859.60	4,863.90	
		4,849.00	
		4,783.00	

## Australia - S&P / ASX 50 Index

### Monthly Timing Arrays



## Monthly Indicating Ranges

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