

Currency Report

(End of Day Data as of November 22, 2024)

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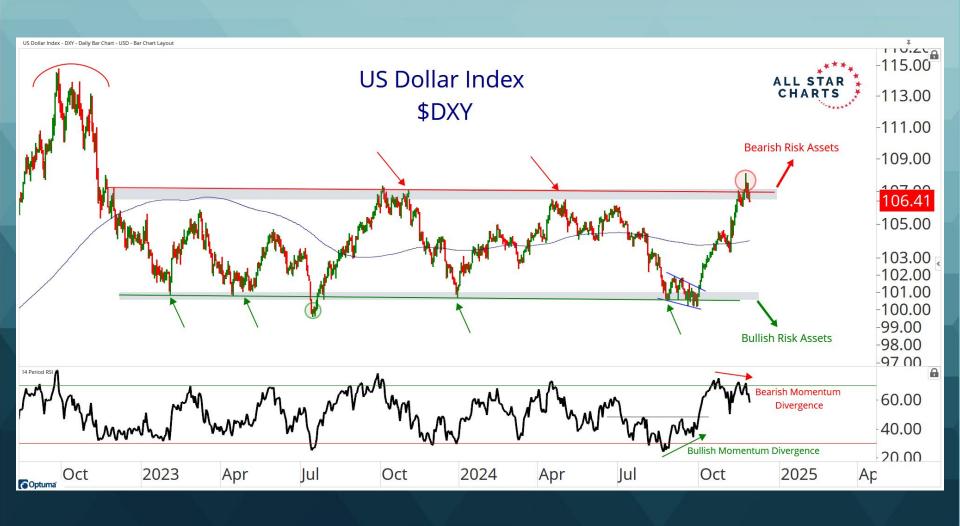
Currency Overview

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Emerging Currencies

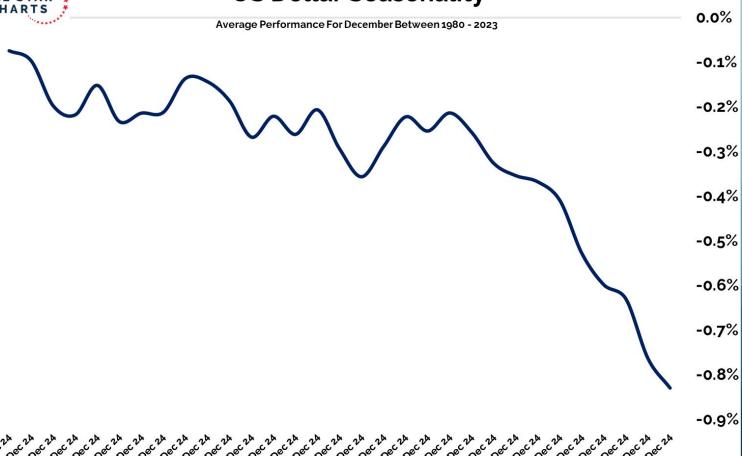
Other Key Crosses

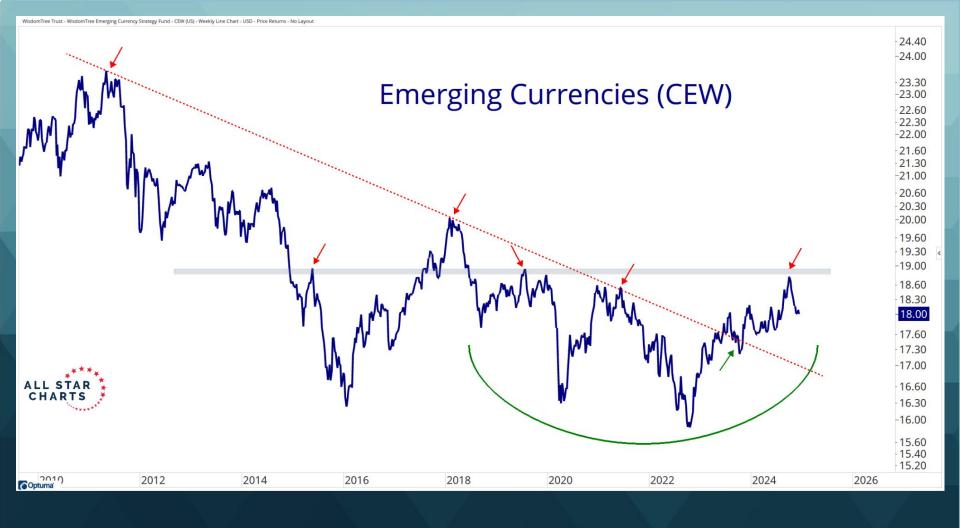
Key Charts Of The Week





US Dollar Seasonality





Currency Overview

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ALL STAR CHARTS	***

ALL STAR CHARTS COMMITMENT OF TRADERS HEATMAP

A			<u> </u>		_									_	•••
Data As Of: 11/19/2024	Commercial Hedgers											Open Interest			
	Net Position	Position As % of 3yr Range	Wk. Cha	nge Prior Wk Position	n 4	Wk. Change	3-Year Long	Record Long	3-Year Shor	Record Short	Current	WK. Chan	ge Prior Wk	4	Wk. Change
Energy									•						
Crude Oil	(228,300)	90.9%	7,118	(235,418)	伞	1,575	(199,038)	66,514	(521,557)	(811,538)	2,170,626	ψ (150,229	2,320,854	4	(30,091)
Brent Crude	35,932	66.8%	4,553	31,379	1	5,697	52,506	66,431	2,515	(5,143)	159,456	10,332	149,125	1	2,649
Heating Oil	17,077	99.3%	4,702	12,375	命	6,708	17,742	31,626	(71,481)	(94,450)	430,819	(2,249)	433,068	4	(7,758)
Natural Gas	155,347	94.2%	4,307	151,040	4	(5,298)	162,939	242,713	32,543	(98,017)	1,735,797	(54,281)	1,790,078	1	58,839
RBOB Gasoline	(66,943)	35.0%	(6,79)	3) (60,145)	4	(12,108)	(11,960)	(1,306)	(96,524)	(138, 234)	365,715	(13,646)	379,362	1	8,036
Metals				, , , , , , , , , , , , , , , , , , , ,											
Copper	(22,837)	49.1%	♠ 8,550	(31,387)	伞	21,094	34,244	59,050	(77,866)	(87,302)	275,886	4 (4,891)	280,777	4	(24,238)
Gold	(269,954)	28.0%	2,310	(272,264)	命	54,354	(56,998)	85,268	(352,782)	(426,732)	850,790	(20,664)	871,454	-	(132,289)
Silver	(60,818)	26.9%	1,678	, , ,	4		4,310	13,967	(84,825)	(118,943)	185,168	(6,711)	191,878	i	(39,333)
Platinum	(29,033)	30.1%	(3,216)		4	13,434	4,601	5,248	(43,526)	(77,941)	101,081	1 256	100,825	1	5,978
Palladium	5,623	44.2%	₼ 388	5,235	4		13,444	13,444	(569)	(30,209)	20,215	(558)	20,774	1	2,084
Grains									` '	, , ,				Ť	-
Corn	(73,781)	50.0%	9,853	(83,634)	4	(147,011)	306,772	306,772	(454,778)	(531,098)	2,168,691	1,502	2,167,189	命	47,304
Soybeans	95,033	70.7%	12.55		J.	(3,308)	210,536	210,536	(183,016)	(259,697)	1,169,119	57,186	1,111,933	į.	(108,479)
Soybean Oil	(80,450)	21.4%	28,20		4	(3,425)	83,274	83,274	(125,029)	(178,489)	662,809	(11,529)		4	68,705
Soybean Meal	9.005	83.3%	28,81		•	93,841	49,763	58,767	(194,606)	(194,606)	715,690	5,098	710,592	1	72,023
Chi. Wheat	58,692	68.0%	♠ 7,757		-	30,456	101,723	134,092	(32,939)	(52,983)	536,986	14,377	522,608	1	49,036
K.C. Wheat	20,496	74.9%	4 (4,140		4	17,060	45,658	45,658	(54,660)	(92,240)	277,021	(11,691)		1	10,109
Minn. Wheat	26,975	93.6%	♠ 5,888		4		31,009	31,009	(32,174)	(34,829)	83,674	♠ 5,894	77,781	1	10,827
Livestock			,		_		,		(,,	(,)		,		_	
Live Cattle	(92,439)	33.8%	4 (1,47)	3) (90,966)	-	(11,282)	(26,493)	29,877	(126,149)	(140,692)	455,954	1,543	454,410	牵	21,101
Feeder Cattle	(3,557)	22.9%	(2,71)	,	ů		10,898	10,898	(7,846)	(7,846)	75,588	3,341	72.247	1	1,891
Lean Hogs	(110,905)	7.2%	10,46			(16,010)	24,882	33,882	(121,367)	(121,367)	471,337	4 (752)	472,089	1	53,642
Softs	(1.10,000)			(.=.,==.)	Ť	(12,212)	,	,	(121,121)	(,)	,	()	,	_	
Cocoa	(38,690)	43.6%	1,408	(40,098)	d.	(1,062)	27,476	35,241	(89,935)	(95,012)	181,052	19,419	161,633	J.	(7,515)
Coffee	(69,799)	8.6%	4 (2,664		ě	(3,228)	34,147	93,948	(79,583)	(79,583)	239,341	♠ 5,952	233,389	i	(19,016)
Cotton	28,701	91.2%	18,83		4	29,049	43,656	43,656	(126,535)	(140,758)	270,216	(8,985)	279,200	i	(32,687)
Sugar	(100,449)	61.8%	(12,83		4	27,916	33,470	191,053	(317,053)	(408,762)	1,032,397	n 24,139	1,008,257		47,582
Lumber	377	57.2%	→ 0	377	4	0	1,192	2,245	(714)	(5,069)	1,136	(957)	1,136	1	0
Orange Juice	(5,954)	24.7%	(62)	(5,892)	ű	(612)	161	8.247	(7,957)	(26,358)	13,004	112	12,892	1	1.007
Treasury Bonds	(-,)		, (52)	(-,)	_	(/	107.510	-,	(-,/	(,/	,		,_,_	-	1000
US10Y	850,223	85.3%	1 71.53	7 778,686	rin.	19.096	997.211	997.211	(1,092)	(572,683)	5.586.000	♠ 117,028	5.468.972	di	(325,899)
US30Y	(32,852)	19.5%	4 (16,67		_	(11,103)	194,486	255,085	(87,865)	(138,851)	2,280,927	-	1,806,696		239,316
	(02,002)	10.070	(10,07	-, (10,170)	*	(11,100)	154,400	200,000	(07,000)	(100,001)	2,200,021	- 414,201	1,000,000	-181	200,010
Currencies	2.022	00.09/	№ 879	1 1/12		2.610	2.021	20 276	(47.727)	(100.940)	27.470	♠ 483	26.000		7.470
Dollar Index	2,022 18,586	98.0%	n 879 1	1,143	中中	2,619 27,021	3,031 29,673	28,376	(47,727)	(100,848)	37,479 777,380	-	36,996 746,601	T	7,479 19,659
Euro		95.4%	_		_			276,880	(248,758)	(270,986)		_			
Canadian Dollar	190,051		(490		1	41,048	203,356	203,356	(84,825)	(139,333)	369,491	_	361,355	Ŷ	38,572
Australian Dollar	(27,001)	13.7%	5,285		1	14,013	117,228	117,228	(49,904)	(118,940)	199,579	10,460	189,119	*	(4,354)
Japanese Yen	50,603	46.1% 47.8%	(25,23		1	54,212	199,069	199,069	(76,328)	(85,622)	281,747	(1,852)	283,599	1	46,884
British Pound	(36,880)		♠ 22,42		1	43,936	94,652	126,471	(157,505)	(157,505)	263,129	11,390	251,739	•	(10,116)
Swiss Franc	51,895	84.7%	8,353	43,542	Ŷ	15,086	62,661	92,876	(7,909)	(57,227)	98,401	♠ 5,347	93,054	巾	8,956
Cryptocurrency															
Bitcoin	1,337	94.6%	166	1,171	伞	144	1,548	1,548	(2,344)	(2,344)	45,360	3,108	42,252	Ŷ	10,657

* The data in the table above includes both options and futures positioning *

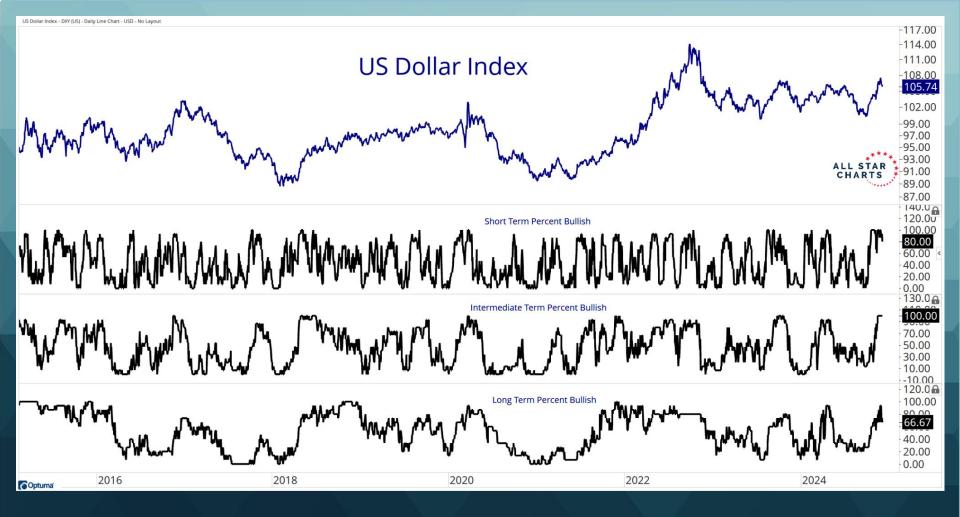
Currency Performance Table ALL STAR CHART										
Name	Current Price	1-Wk. Change	1-Mo. Change	3-Mo. Change	6-Mo. Change	1-Yr. Change	3-Yr. Change			
Japanese Yen - JPY	0.007	3.25%	2.30%	-3.33%	5.14%	-1.79%	-24.28%			
Pound Sterling - GBP	1.2731	1.58%	-2.17%	-3.30%	0.26%	0.29%	-4.36%			
Euro - EUR	1.0577	1.53%	-2.24%	-4.54%	-2.07%	-3.56%	-6.32%			
New Zealand Dollar - NZD	0.592	1.51%	-0.89%	-5.47%	-3.15%	-3.80%	-13.33%			
Swiss Franc - CHF	1.1346	1.43%	-1.61%	-3.91%	3.61%	-0.85%	4.70%			
Swedish Krona - SEK	0.0919	1.27%	-2.30%	-6.10%	-1.92%	-4.79%	-16.76%			
ASC G-10 Ex-US Index	0.308	0.57%	-1.37%	-4.77%	-1.54%	-2.90%	-11.12%			
EM Currencies ETF (CEW)	18.09	0.47%	-0.82%	-1.38%	0.75%	0.25%	5.82%			
Singapore Dollar - SGD	0.7461	0.44%	-1.23%	-2.82%	0.87%	-0.56%	2.11%			
Mexican Peso - MXN	0.0491	0.31%	-1.54%	-2.62%	-16.45%	-15.21%	6.35%			
South African Rand - ZAR	0.0554	0.25%	-2.17%	-1.74%	2.19%	3.79%	-10.65%			
Australian Dollar - AUD	0.6511	0.17%	-0.76%	-4.19%	-1.55%	-1.60%	-8.81%			
Chinese Renminbi Yuan	0.138	0.15%	-1.46%	-2.20%	0.33%	-1.46%	-11.90%			
Norwegian Krone - NOK	0.0905	0.02%	-0.91%	-5.01%	-4.21%	-3.58%	-18.48%			
Euro-Pound - EUR/GBP	0.8307	-0.04%	-0.09%	-1.29%	-2.34%	-3.89%	-2.06%			
Indian Rupee - INR	0.0118	-0.08%	-0.59%	-0.76%	-1.38%	-1.39%	-11.24%			
Canadian Dollar - CAD	0.7141	-0.20%	-0.63%	-3.68%	-2.05%	-2.96%	-9.07%			
Commodity Currency Index	0.083	-0.33%	-2.59%	-5.84%	-6.00%	-7.11%	-14.02%			
BRICS Currency Index	0.04	-1.21%	-3.56%	-5.72%	-7.73%	-9.72%	-15.44%			
Norwegian Krone-Swedish Krona - NOK/SEK	0.9846	-1.23%	1.41%	1.17%	-2.33%	1.27%	-2.08%			
Sterling-Yen - GBP/JPY	190.72	-1.64%	-4.37%	-0.01%	-4.71%	2.04%	26.22%			
US Dollar Index	105.74	-1.66%	1.43%	4.32%	0.60%	2.89%	9.75%			
Euro-Yen - EUR/JPY	158.4	-1.69%	-4.48%	-1.29%	-6.94%	-1.93%	23.23%			
Russian Ruble - RUB	0.0094	-1.98%	-8.48%	-13.62%	-15.95%	-16.71%	-30.27%			
Brazilian Real - BRL	0.1674	-2.87%	-3.50%	-5.76%	-12.86%	-17.91%	-6.21%			
Aussie-Yen - AUD/JPY	97.461	-3.07%	-3.08%	-1.05%	-6.47%	0.04%	19.88%			
* All currencies denominated in USD unless otherwise noted										

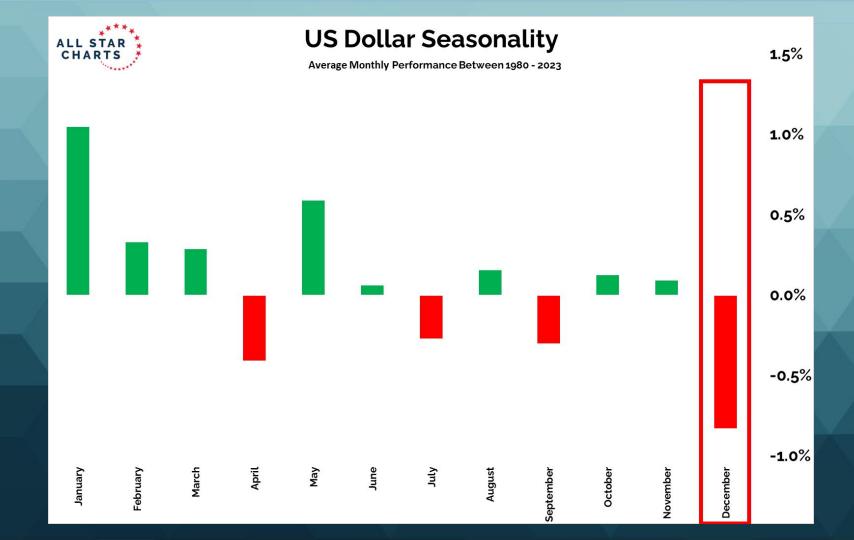
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All Star Charts Trend Summary



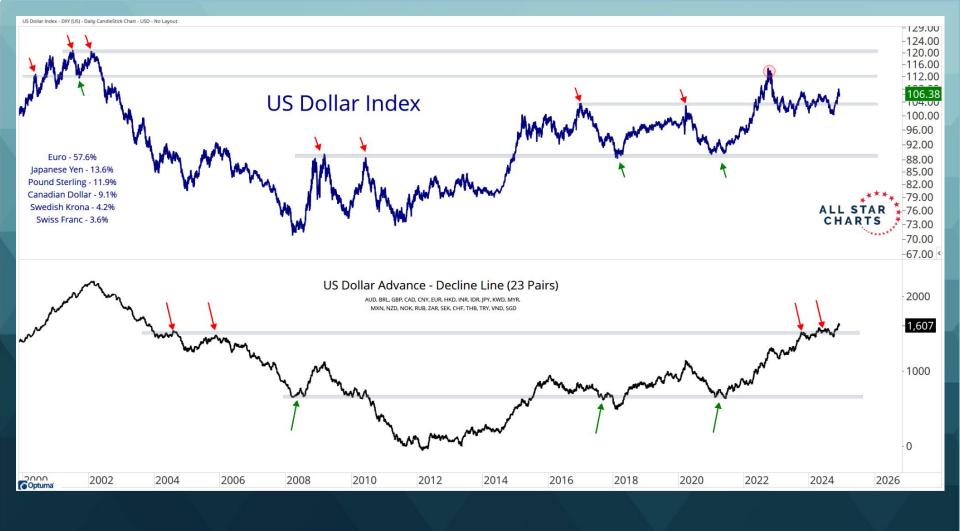
Ticker	Name	Short-Term	Intermediate-Term	Long-Term
USDAUD	US Dollar / Australian Dollar	Bullish	Bullish	Bullish
USDBRL	US Dollar / Brazilian Real	Bullish	Bullish	Bullish
USDCAD	US Dollar / Canadian Dollar	Bullish	Bullish	Bullish
USDCHF	US Dollar / Switzerland Franc	Bullish	Bullish	Neutral
USDEUR	US Dollar / Euro	Bullish	Bullish	Bullish
USDGBP	US Dollar / British Pound Sterling	Bullish	Bullish	Neutral
USDINR	US Dollar / India Rupees	Bullish	Bullish	Bullish
USDJPY	US Dollar / Japanese Yen	Bearish	Bullish	Bearish
USDMXN	US Dollar / Mexican Peso	Bullish	Bullish	Bullish
USDNOK	US Dollar / Norwegian Krone	Bullish	Bullish	Bullish
USDNZD	US Dollar / New Zealand Dollar	Neutral	Bullish	Bullish
USDRUB	US Dollar / Russian Ruble	Bullish	Bullish	Bullish
USDSEK	US Dollar / Swedish Krona	Neutral	Bullish	Bullish
USDSGD	US Dollar / Singapore Dollar	Bullish	Bullish	Neutral
USDZAR	US Dollar / South African Rand	Bullish	Bullish	Bearish
	Percentage Bullish:	80.0%	100.0%	66.7%
	Percentage Neutral:	13.3%	0.0%	20.0%
	Percentage Bearish:	6.7%	0.0%	13.3%





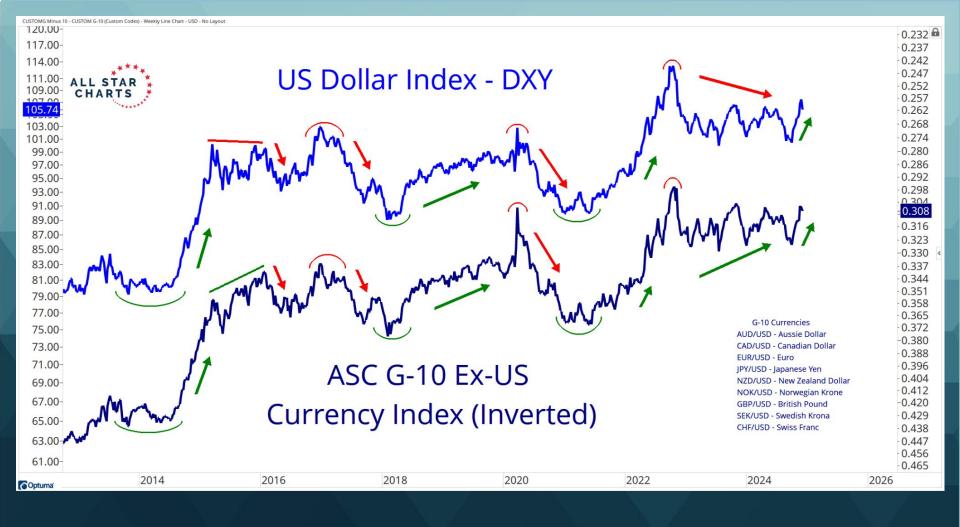
US Dollar Pairs vs. Moving Averages												
	5-Day Moving	10-Day Moving Average	20-Day Moving Average	50-Day Moving Average	100-Day Moving Average	150-Day Moving	200-Day Moving	250-Day Moving				
US Dollar / Australian Dollar	Average BELOW	BELOW	ABOVE	ABOVE	ABOVE	Average ABOVE	Average ABOVE	Average ABOVE				
US Dollar / Brasilien Real	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE				
US Dollar / Canadian Dollar	BELOW	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE				
US Dollar / Switzerland Franc	BELOW	BELOW	ABOVE	ABOVE	ABOVE	ABOVE	BELOW	ABOVE				
US Dollar / Euro	BELOW	BELOW	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE				
US Dollar / British Pound Sterling	BELOW	BELOW	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE				
US Dollar / India Rupees	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE				
US Dollar / Japanese Yen	BELOW	BELOW	BELOW	BELOW	ABOVE	BELOW	BELOW	BELOW				
US Dollar / Mexican Peso	BELOW	BELOW	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE				
US Dollar / Norwegian Krone	BELOW	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE				
US Dollar / New Zealand Dollar	BELOW	BELOW	BELOW	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE				
US Dollar / Russian Ruble	BELOW	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE				
US Dollar / Swedish Krona	BELOW	BELOW	BELOW	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE				
US Dollar / Singapore Dollar	BELOW	BELOW	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE				
US Dollar / South African Rand	BELOW	BELOW	ABOVE	ABOVE	ABOVE	ABOVE	BELOW	BELOW				
Percent Positive:	13%	33%	80%	93%	100%	93%	80%	87%				

Emerging Market Currencies vs. Moving Averages												
	5-Day Moving Average	10-Day Moving Average	20-Day Moving Average	50-Day Moving Average	100-Day Moving Average	150-Day Moving Average	200-Day Moving Average	250-Day Moving Average				
Turkish Lira / US Dollar	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW				
Israeli Shekel / US Dollar	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE				
Polish Zloty / US Dollar	ABOVE	ABOVE	ABOVE	BELOW	BELOW	BELOW	BELOW	BELOW				
South African Rand / US Dollar	ABOVE	ABOVE	BELOW	BELOW	BELOW	BELOW	ABOVE	ABOVE				
Russian Rouble / US Dollar	ABOVE	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW				
Korean Won / US Dollar	ABOVE	ABOVE	ABOVE	BELOW	BELOW	BELOW	BELOW	BELOW				
Singapore Dollar / US Dollar	ABOVE	ABOVE	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW				
Malaysian Ringgit / US Dollar	ABOVE	ABOVE	ABOVE	BELOW	BELOW	ABOVE	ABOVE	ABOVE				
Indian Rupee / US Dollar	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW				
Indonesia Rupiah / US Dollar	ABOVE	ABOVE	ABOVE	BELOW	BELOW	BELOW	BELOW	BELOW				
Thai Baht / US Dollar	ABOVE	ABOVE	ABOVE	BELOW	BELOW	ABOVE	ABOVE	ABOVE				
Chinese Yuan / US Dollar	ABOVE	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW				
Mexican Peso / US Dollar	ABOVE	ABOVE	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW				
Brazilian Real / US Dollar	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW				
Chilean Peso / US Dollar	ABOVE	ABOVE	ABOVE	BELOW	BELOW	BELOW	BELOW	BELOW				
Percent Positive:	80%	67%	47%	7%	7%	20%	27%	27%				



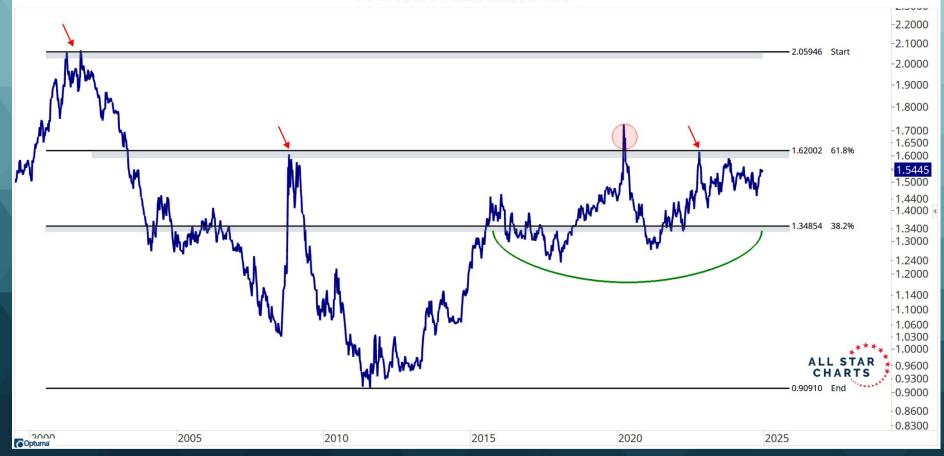






Developed Currencies

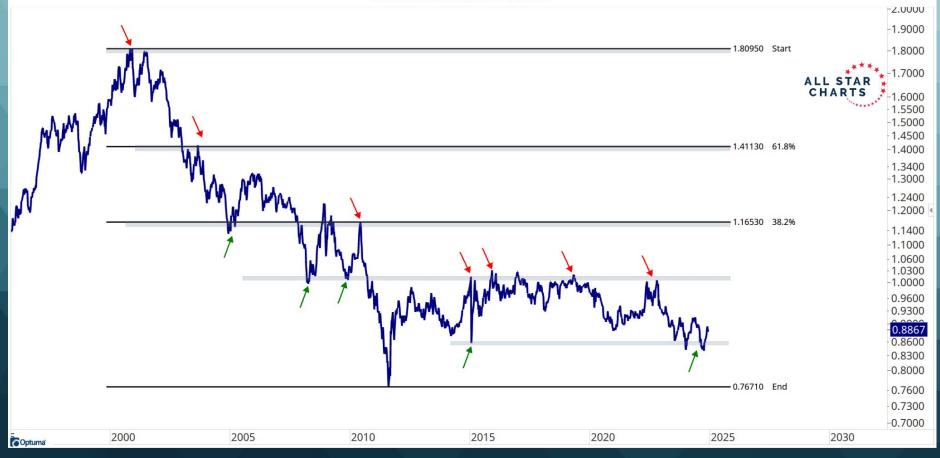
US Dollar / Australian Dollar



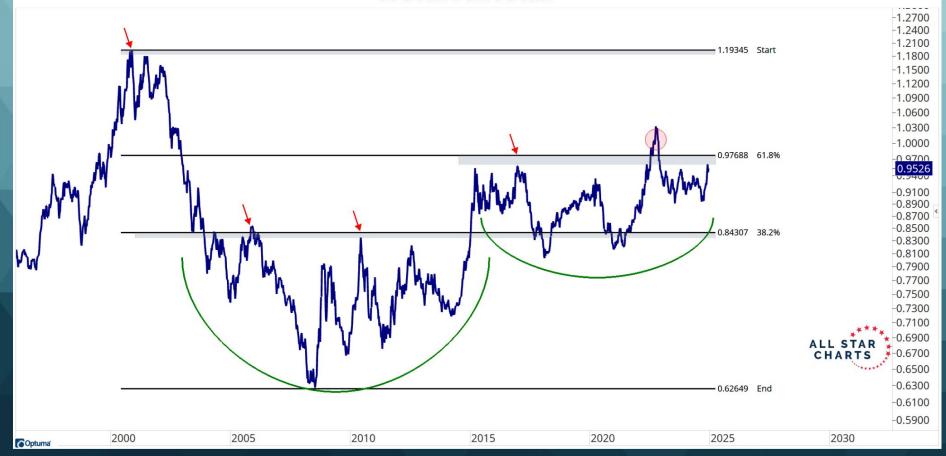
US Dollar / Canadian Dollar



US Dollar / Swiss Franc



US Dollar / Euro Dollar



2015

2020

Optuma

2005

2010

-0.47847 End

2025

-0.4700 -0.4500 US Dollar / Japanese Yen - USDJPY (FX) - Weekly Line Chart - JPY - No Layout

US Dollar / Norwegian Krone



2015

2020

2025

2000

Optuma

2005

2010

- 1 0300

2030

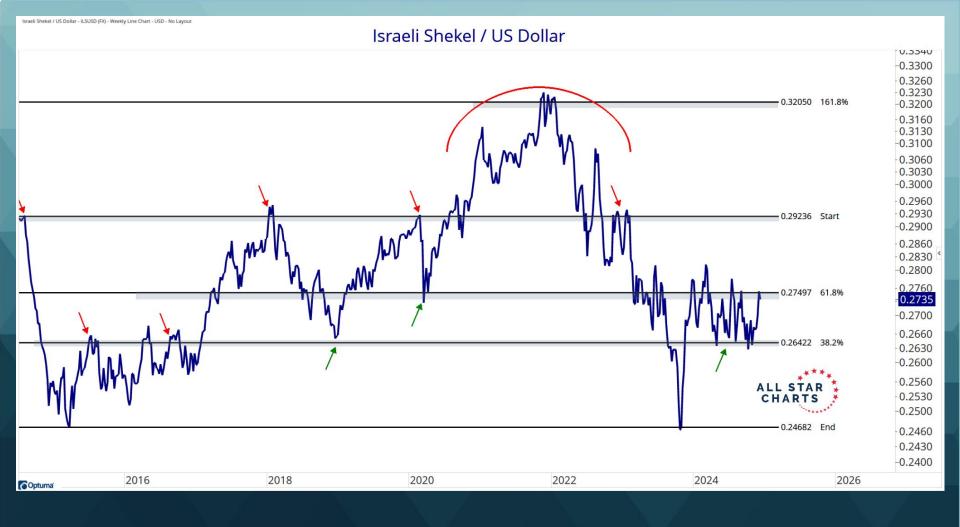
US Dollar / Swedish Krona



US Dollar / Singapore Dollar



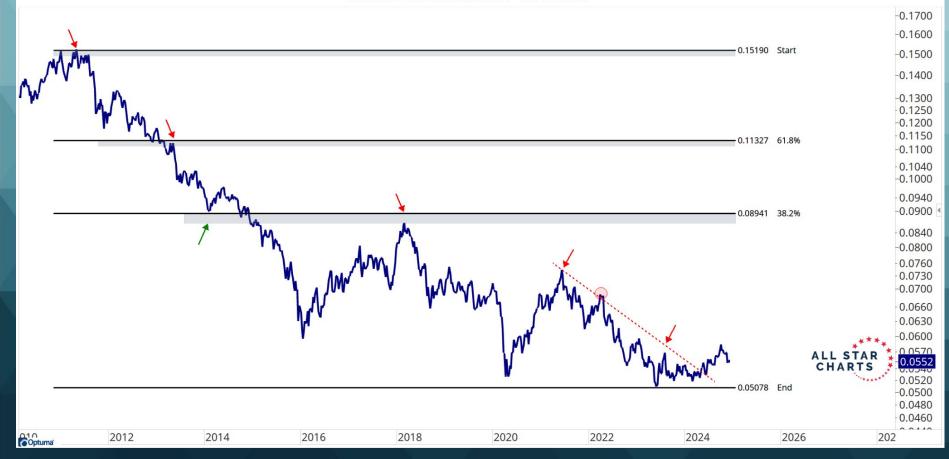
Emerging Currencies



Polish Zloty / US Dollar



South African Rand / US Dollar



Russian Rouble / US Dollar



Korean Won / US Dollar



2020

2022

2024

2026

2012

2014

2016

2018

-0.2040 -0.2000

2028

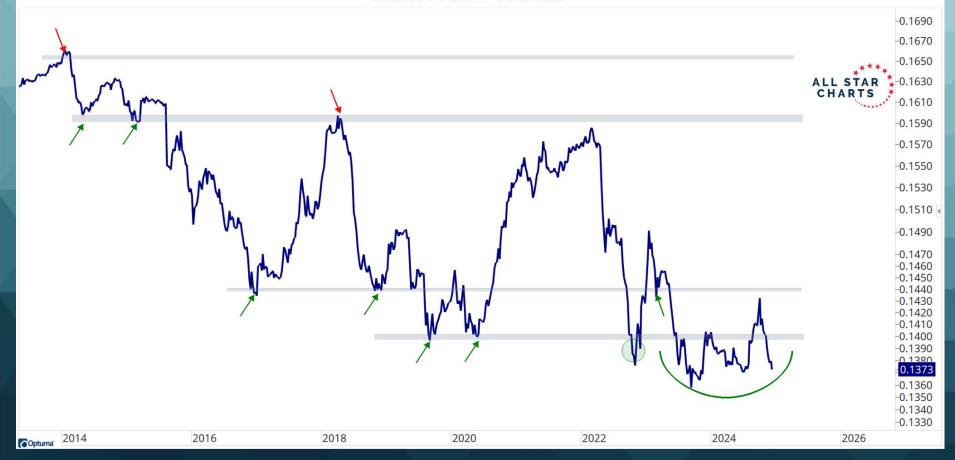
Indian Rupee / US Dollar



Thai Baht / US Dollar



Chinese Yuan / US Dollar







Brazilian Real / US Dollar



Chilean Peso / US Dollar



-0.003000 -0.002900

-0.002800

-0.002700 -0.002600

-0.002500 -0.002400

-0.002300

-0.002200 -0.002100

-0.002000

-0.001900

-0.001800

-0.00170 <

-0.001600

-0.001500

-0.001400 -0.001350

-0.001300

-0.001250

-0.001200

-0.001140

-0.001100

0.001020

0.000940

-0.000900

2000

2005

2010

2015

2020

2025

203

Other Key Crosses

Euro Dollar / British Pound



Euro Dollar / Japanese Yen



Euro Dollar / Swiss Franc



2018

2020

2022

2024

2026

2028

COptuma 3006

2008

2010

2012

2014

2016

-113.000 -110.000

2030

Norwegian Krone / Swedish Krona



Australian Dollar / Japanese Yen



Australian Dollar / New Zealand Dollar



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