

## Variable Moving Average - Version 3.0

### **Description:**

Variable Moving Average (VMA) is an indicator that allows you to see the Variable Moving Average. The number periods used in the average is configurable as well as several other features. One of the major uses of this indicator is to help determine the potential overall trend of a ticker symbol. This indicator works for charts, RadarScreen®, and the Scanner.

### **Inputs :**

**vmaLength:** This input controls the number of bars used to determine the Variable Moving Average. The default is set to '21'.

### **Important Notes:**

- The VMA indicator works on all charts, Radarscreen®, and the Scanner

### **Uses:**

- Used to help determine periods of trending and consolidation.
- The scanner can be used to find tickers that are potentially starting an uptrend or a down trend.

**Chart Display:**

This is a screen shot of the VMA when applied to the daily and weekly chart of the SPY with default settings.



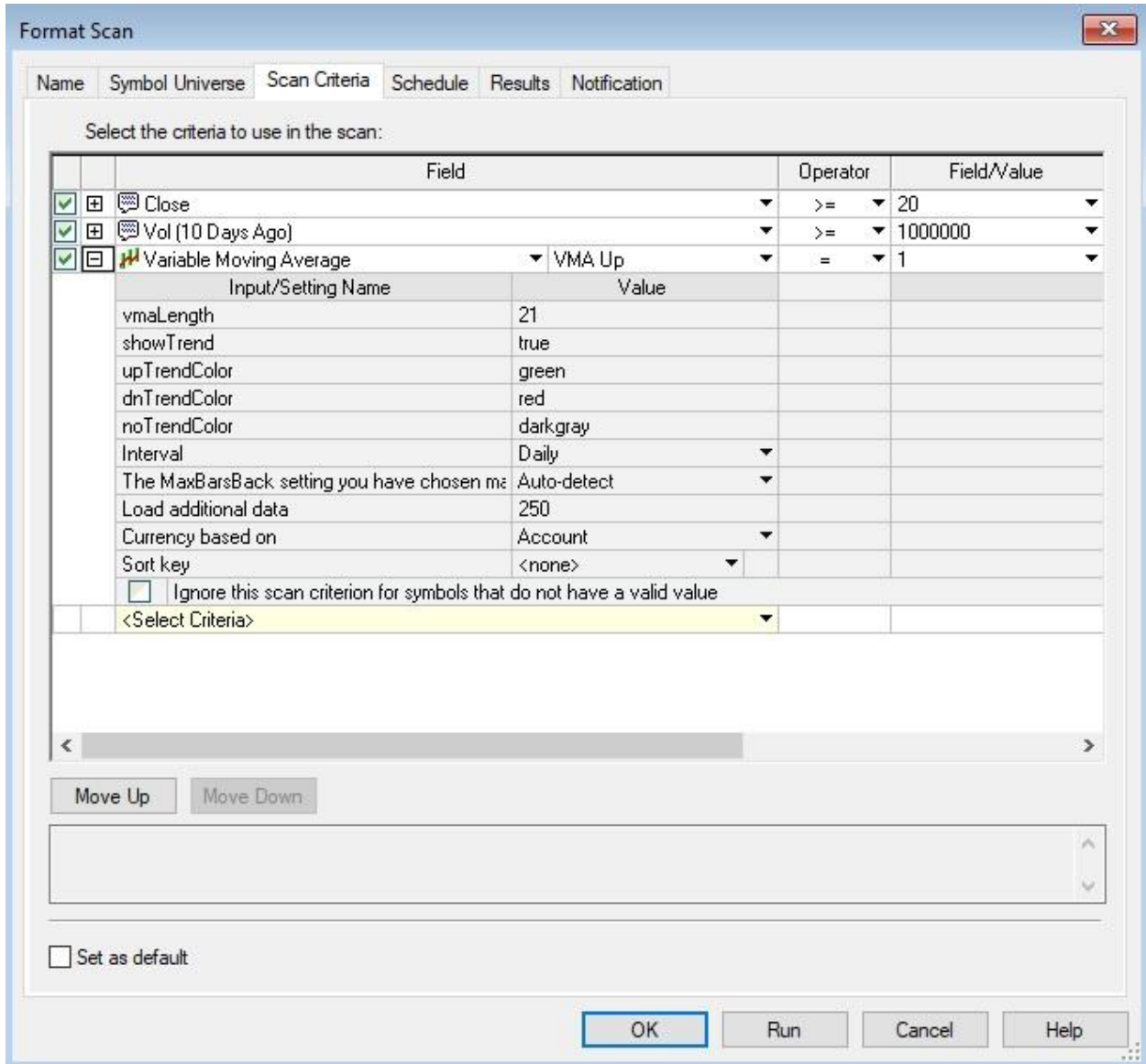
**Radarscreen®:**

Radarscreen® with default settings using the daily time frame:

TradeStation RadarScreen - Page 1						Variable Moving Average				
	Symbol	Interval	Last	Net Chg	Net %Chg	VMA	VMA State	VMA Num	VMA Up	VMA Dn
1	SMH	Daily	111.28	1.58	1.44%	113.97	Consolidation	0.00	0.00	0.00
2	SPY	Daily	287.18	2.33	0.82%	296.30	Consolidation	0.00	0.00	0.00
3	DIA	Daily	258.86	2.57	1.00%	268.31	Consolidation	0.00	0.00	0.00
4	XLF	Daily	26.10	0.00	0.00%	27.75	Down Trend	-1.00	0.00	0.00
5	IYT(HB)	Daily	175.56	0.00	0.00%	184.41	Down Trend	-1.00	0.00	0.00
6	TLT	Daily	145.99	0.03	0.02%	140.41	Up Trend	1.00	0.00	0.00
7										
8	FB	Daily	179.95	2.20	1.24%	195.17	Down Trend	-1.00	0.00	0.00
9	AAPL	Daily	206.09	3.45	1.70%	204.27	Consolidation	0.00	0.00	0.00
10	AMZN	Daily	1,769.20	19.58	1.12%	1,900.94	Down Trend	-1.00	0.00	0.00
11	GOOGL(H	Daily	1,164.00	10.42	0.90%	1,171.93	Down Trend	-1.00	0.00	0.00
12	NFLX	Daily	294.70	3.26	1.12%	308.83	Down Trend	-1.00	0.00	0.00
13	TSLA	Daily	213.74	2.34	1.11%	231.43	New Down Trend	-1.00	0.00	1.00
14	MA	Daily	275.00	3.11	1.14%	268.98	Consolidation	0.00	0.00	0.00
15	GS	Daily	198.00	1.80	0.92%	210.02	Consolidation	0.00	0.00	0.00
16	ROKU	Daily	140.43	2.69	1.95%	113.11	Up Trend	1.00	0.00	0.00
17	PYPL	Daily	107.50	1.46	1.38%	110.55	Down Trend	-1.00	0.00	0.00
18										
19	PHM	Daily	32.70	0.00	0.00%	31.53	New Up Trend	1.00	1.00	0.00
20	GNTX	Daily	26.14	0.23	0.90%	26.27	New Down Trend	-1.00	0.00	1.00
21	HYG	Daily	86.55	0.00	0.00%	86.71	New Consolidation	0.00	0.00	0.00
22										

This view of RadarScreen shows all the possible “VMA State” values.

**Scanner:**



This is a scan used to look for stocks that have potentially just entered an uptrend. The criteria “VMA Up” is used to look for potential new uptrends and “VMA Dn” is used to look for potential new down trends.

**Contact Info:**

If you have any questions or suggestions I would very much like to hear from you.

My email is: [contact@historicstockdata.com](mailto:contact@historicstockdata.com)

Website: [www.historicstockdata.com](http://www.historicstockdata.com)

**Legal Information:**

**Disclaimer:** The risk of trading can be substantial and each investor and/or trader must consider whether this is a suitable investment. Past performance, whether actual or indicated by simulated historical tests of indicators, is not indicative of future results. All information on our website ([www.historicstockdata.com](http://www.historicstockdata.com)) and in this document is for educational purposes only and is not intended to give you **financial advice**. Any statements about income, expressed or implied, does NOT represent a guarantee. Your actual trading may result in losses as no trading system is guaranteed. By being on our website or accessing this document, you accept full responsibility for your actions, trades, **profit and loss**. You also agree to hold [www.historicstockdata.com](http://www.historicstockdata.com) or any authorized distributors harmless in any and all ways. The usage of this website and/or document constitutes acceptance of these terms and the user agreement.

**No Service Guarantee:** You understand and agree that [www.historicstockdata.com](http://www.historicstockdata.com) and its third party suppliers make no representation, warranty or condition that: (a) the TradeStation® indicators and services will be uninterrupted, timely, secure, reliable, accurate or errorfree; (b) the indicators and services will meet your requirements; (c) the services data obtained through the services will meet your expectations, be suitable for any purpose, or be accurate, complete, reliable, current, timely, adequate, or error-free. [www.historicstockdata.com](http://www.historicstockdata.com) and its third party suppliers disclaim all liability for the use or interpretation of the services data. Services Data may be delayed, inaccurate or contain errors or omissions, and [www.historicstockdata.com](http://www.historicstockdata.com) and its third party suppliers will have no liability with respect thereto. [www.historicstockdata.com](http://www.historicstockdata.com) does not endorse nor is responsible for the services data of any third party supplier. The summary is that the TradeStation® indicator could malfunction and the data that is provided may contain errors.

**Commodity **Futures Trading** Commission (CFTC) Rule 4.41**

HYPOTHETICAL PERFORMANCE RESULTS HAVE MANY INHERENT LIMITATIONS, SOME OF WHICH ARE DESCRIBED BELOW. NO REPRESENTATION IS BEING MADE THAT ANY ACCOUNT WILL OR IS LIKELY TO ACHIEVE PROFITS OR LOSSES SIMILAR TO THOSE SHOWN. IN FACT, THERE ARE FREQUENTLY SHARP DIFFERENCES BETWEEN HYPOTHETICAL PERFORMANCE RESULTS AND THE ACTUAL RESULTS SUBSEQUENTLY ACHIEVED BY ANY PARTICULAR TRADING PROGRAM. ONE OF THE LIMITATIONS OF HYPOTHETICAL PERFORMANCE RESULTS IS THAT THEY ARE GENERALLY PREPARED WITH THE BENEFIT OF HINDSIGHT. IN

ADDITION, HYPOTHETICAL TRADING DOES NOT INVOLVE FINANCIAL RISK, AND NO HYPOTHETICAL TRADING RECORD CAN COMPLETELY ACCOUNT FOR THE IMPACT OF FINANCIAL RISK IN ACTUAL TRADING. FOR EXAMPLE, THE ABILITY TO WITHSTAND LOSSES OR ADHERE TO A PARTICULAR TRADING PROGRAM IN SPITE OF TRADING LOSSES ARE MATERIAL POINTS WHICH CAN ALSO ADVERSELY AFFECT ACTUAL TRADING RESULTS. THERE ARE NUMEROUS OTHER FACTORS RELATED TO THE MARKETS IN GENERAL OR TO THE IMPLEMENTATION OF ANY SPECIFIC TRADING PROGRAM WHICH CANNOT BE FULLY ACCOUNTED FOR IN THE PREPARATION OF HYPOTHETICAL PERFORMANCE RESULTS AND ALL OF WHICH CAN ADVERSELY AFFECT ACTUAL TRADING RESULTS.