RunID	Timer	Definition
	Timer Definitions	
S1	absmM5(spy,tbill)	Compute Mom5(spy)=spy(curDate)/spy(curDate-5*21 days) -1. Compute Mom5(tbill). If (Mom5(spy)-Mom5(tbill))<0, go to cash. USE month end data. tbill EC from ^IRX. Next day return = (1+^irx/100)(1/252)-1.
S2	absmM5,1(spy,tbill)	Compute AbsMom5(spy) and AbsMom1(spy), where Mom1(tbill) = (1/12)*tbill(curDate)/100. If (AbsMom5(spy,tbill)<0 and AbsMom1(spy,tbill)<0), go to cash. USE month end data.
S3	absmD5(spy,tbill)	Compute Mom5(spy)=spy(curDate)/spy(curDate-5*21 days) -1. Compute Mom5(tbill) =(5/12)tbill(curDate)/100. If (Mom5(spy)-Mom5(tbill))<0, go to cash. USE days back data
S4	absmD5,1(spy,tbill)	Compute AbsMom5(spy) and AbsMom1(spy), where Mom1(tbill) = (1/12)*tbill(curDate)/100. If (AbsMom5(spy,tbill)<0 and AbsMom1(spy,tbill)<0), go to cash. USE days back data
S5	absmM12(spy,tbill)	Same as AbsMomM5 but use 12 instead of 5. USE month end data.
S6	dema50(^gspc,22,0.6% offset)	StrormGuard Std approx. Double ema of ^gspc daily returns multiplied by 22. Then add 0.6% offset. If <0, go to cash.
S7	smaD210(spy)	Compute 210 day simple moving average of spy. If spy(cur)<sma210(spy), go to cash.
S8	smaX(50,200)(spy) Golden Cross	Compute sma50(spy) and sma200(spy). If sma50(spy)<sma200(spy), go to cash.
S9	ema210(spy)	Compute 210 day exponential moving average of spy. If spy(cur)<sma210(spy), go to cash.
S10	emaX(50,200)(spy) Golden Cross	Compute ema50(spy) and ema200(spy). If ema50(spy)<ema200(spy), go to cash.
RunID	**Timer**	**Definition**
S11	FundxM(spy), using mths back, end of mth	Compute ret 1 mth back, 3, 6, and 12 mths back. FundX=(ret1+ret3+ret6+re12)/4. If <0, go to cash. M=Use end of mth data.
S12	Fx12_421M(spy), Fundx Annualized	Compute ret 1 mth back, 3, 6, and 12 mths back. FundXAnn=(12*ret1+4*ret3+2*ret6+re12)/19. If <0, go to cash.
S13	Fx1110M(spy) Fundx Accelerated	From ADM Accelerated Dual Momentum. Compute ret 1 mth back, 3, and 6 mths back. FundXAcc=(ret1+ret3+ret6)/3. If <0, go to cash.
S14	Fx6210M(spy) Fundx Accelerated & Annualized	From ADM-Accelerated Dual Momentum then Annualized. Compute ret 1 mth back, 3, and 6 mths back. FundXAccAnn=(6*ret1+2*ret3+ret6)/9. If <0, go to cash.
S15	Fx2440M(spy) Ren's SWAG	Compute ret 1 mth back, 3, and 6 mths back. Fx244=SWAG=(2*ret1+4*ret3+4*ret6)/10. If <0, go to cash.
S16	FundxD(spy), Fundx using days back 1*21 days	Compute ret 1, 3, 6, and 12 - 1*21, 3*21, 6*21, 12*21 days back. FundXd=(ret1+ret3+ret6+re12)/4. If <0, go to cash. D=use days back
S17	Fx12_421D(spy), FundX Annualized	Compute ret 1, 3, 6, and 12 - 1*21, 3*21, 6*21, 12*21 days back. FundXAnnd=(12*ret1+4*ret3+2*ret6+ret12)/19. If <0, go to cash.
S18	Fx1110D(spy) FundX Accelerated	Compute ret 1, 3, and 6 - 1*21, 3*21, 6*21 days back. FundXAccd=(ret1+ret3+ret6)/3. If <0, go to cash.
S19	Fx6210D(spy) FundX Accelerated & Annualized	Compute ret 1, 3, and 6 - 1*21, 3*21, 6*21 days back. FundXAccAnn=(6*ret1+2*ret3+ret6)/9. If <0, go to cash.
S20	Fx2440M(spy) Ren's SWAG	Compute ret 1, 3, and 6 - 1*21, 3*21, 6*21 days back. Fx244=SWAG=(2*ret1+4*ret3+4*ret6)/10. If <0, go to cash.
S21	GOOD(spy), Get Out Of Dodge	Compute ema50, ema200, ema75 and ema300 of spy. If out of market and ema50>ema200, get back in. If in the market, get out if ema75<ema300.
RunID	**Timer**	**Definition**
S22	DRxVol(^gspc)	Timer developed by John Nicholas, Al Z., Peter Lingane, and Don Maurer. Compute the DRxVol = Previous day's return(DR) x Vol for day. Compute dema50(DRxVol) / dema50(Vol) If >=0, be in equities, otherwise go to cash.
S23	DRxVol2(^gspc)	Variation of timer developed by John Nicholas, Al Z., Peter Lingane, and Don Maurer. Compute the DRxVol = Previous day's return(DR) x Vol for day. Compute dema50(Vol). Compute normalized DRxVol = DRxVolNorm = DRxVol/dema50(Vol). Compute dema50(DRxVolNorm). If dema50(DRxVolNorm)>=0, be in equities, otherwise go to cash.
S24	DRxPRxVol(^gspc)	Variation of DRxVol developed by Don Maurer. Compute the DRxPRxVol = Previous day's return(DR) x PRxVol for day. Compute dema50(DRxPRxVol) / dema50(PRxVol). If >=0, be in equities, otherwise go to cash.
S25	DRxVol(spy)	Same as DRxVol(^gspc) but with spy vs. ^gspc

S26	DRxVol2(spy)	Same as DRxVol2(^gspc) but with spy vs. ^gspc
S27	DRxPRxVol(spy)	Same as DRxPRxVol(^gspc) but with spy vs. ^gspc
S28	McGinDyn100(spy), McGinley Dynamic Indicator	https://www.investopedia.com/articles/forex/09/mcginley-dynamic-indicator.asp
S29	IUC - Initial Unemployment claims - seasonally adj.	
S30	Comp1 - composite 1 (absmM5,1(spy,tbill), DRxVol(^gspc), IUC)	Compute 3 timers. # in equities = # positive/3
S31	Comp2 - composite 2 (absmM5,1(spy,tbill), DRxPRxVol(^gspc), IUC)	Compute 3 timers. # in equities = # positive/3
S32	smaM10(spy)	Compute 10 month simple moving average of spy end of month prices. If (spy(cur)/smam10(spy) -1)<0, go to cash.
S33	aFundxM(spy,TBILL)	Compute FundxM(spy) and FundxM(tbill), tbill =^irx converted to EC using daily ret = (1+^irx/100)^(1/252)-1. If (FundxM(spy)-FundxM(TBILL) <0), go to cash
S34	miniDipper(spy)	Compute (smaD40(spy) / ema170(spy)) -1. If <0, go to cash
S35	MDY_MultiIdx	This is an MDY timer - not a spy timer. Compute the sma10m for spy, MDY and NAESX. If any of the three are negative, go to cash.
RunID	**Timer**	**Definition**
S36	smaG(6,9)m(spy)	Compute sma6(spy) using 6*21 days back, and sma7, sma8, sma9. % equities = (# smas positive)/(# of smas). The 6-9 is user adjustable.
S37	emaG(6,9)m(spy)	Compute ema6(spy) using 6*21 days back, and ema7, ema8, ema9. % equities = (# emas positive)/(# of emas). The 6-9 is user adjustable.
S38	Volatility63d(spy), SD limit 1%	Compute 63 day SD for spy. If daily SD>1%, % equities = (1%/SD). This will always be partially in spy since SD will never reach infinity.
S39	GPMcp6 - Generalized Protective Momentum	Rank 12 stocks with GPMzi ranking. % equities = 1 - min((12-#pos)/6,1). Select best cash asset from (ief,shy) using GPMzi ranking
S40	PAAcp6 - Protective Asset Allocation	Rank 12 stocks with smaM12 ranking. % equities = 1 - min((12-#pos)/6,1). Select best cash asset from (ief,shy) using smaM12 ranking
S41	VAA - Vigilant Asset Allocation	Rank 4 stocks with Fx12_421M ranking. % equities = 100% is all 4 are positive and 0% otherwise. Select best cash asset from (ief,lqd,shy) using Fx12_421M ranking
S42	smaD55(hyg)	Timer developed by Simon Lee. If hyg/smaD55(hyg) -1 >=0, in equities, otherwise cash.