TSL Special Report on Robustness

References:
Futures Truth Reports
TSL web site
TSL internal tracked systems
10/5/2013

Michael L. Barna
President and Founder
Trading System Lab

REQUIRED DISCLAIMER

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 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 TO 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.

Important Notes on Design

1. Do not use 40% OOS and expect robustness on noisy markets
2. Try using old data as OOS and new data as TRN data
3. If you want to hold out additional data then use less OOS. 20% OOS + 20% more OOS = 40% all OOS. This is too much OOS data!
4. Hold out minimal recent data as double OOS
5. You should train on the recent volatile market data
6. If you have to choose between systems, chose the simpler
7. Try for a TTPR of 100:1. Long only index systems might require lower TTPR due to stability of upward drift
8. For index markets look at long only systems
9. For agricultural markets look at weekly data
10. Pit contracts are going away but in 2006 when we TSL designed many systems pits were still fairly active. The transition to electronic contracts may not give the same results.
11. Designing on 200,000 5 minute bars is still only 9.8 years of data and if the market is trading like it did 12 years ago, you will not find good systems.

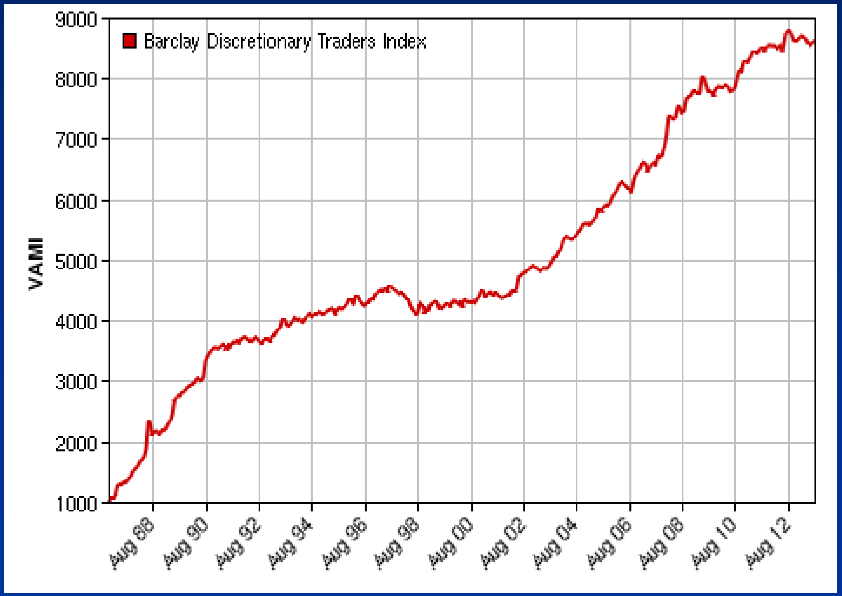
SYSTEMATIC VERSES DISCRETIONARY CTA VAMI

1987-2013

MECHANICAL SYSTEMS

466 programs, $260B

DISCRETIONARY



151 programs, $24B

Notice the 2010 to 2013 Drawdown

Source: BarclayHedge

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THIRD PARTY FORWARD TESTS

3 Strategies released in 2007 and 3 in 2010, Designs Frozen, Post OOS, Independent Third Party Comparative Ratings published April 2013

Top 10 S&P Systems

Issue #1 2013 - published in April 2013

Ranking based on performance since their release to us. Some systems have been out for a short period of time. Results based on performance through January 31, 2013. Return is based on three times the required margin.

Rank	System Name	Annual % Return
1.	TSL-SP_1.0Z	63.8%
2.	TSL-CEL_SP1	50.9%
3.	Impetus SP	48.6%
4.	Big Blue 2	36.2%
5.	%C Daybreaker	35.2%
6.		
7.		
8.		
9.		
10.		

Top 10 Systems For The Past 12 Months

Issue #1 2013 - published in April 2013

Results based on performance through January 31, 2013.
Return is based on three times the required margin.

Rank	System Name	Annual % Return
1	TSL_US1	170.5%
2	Ruggiero Bond	140.3%
3	ATS-3200	92.3%
4	MAR - SP Mini Sync	87.8%
5	Star FS	87.6%
		83.1%
		70.8%
		70.7%
		64.8%
		64.4%

Top 10 Systems Since Their Release Date

Issue #1 2013 - published in April 2013

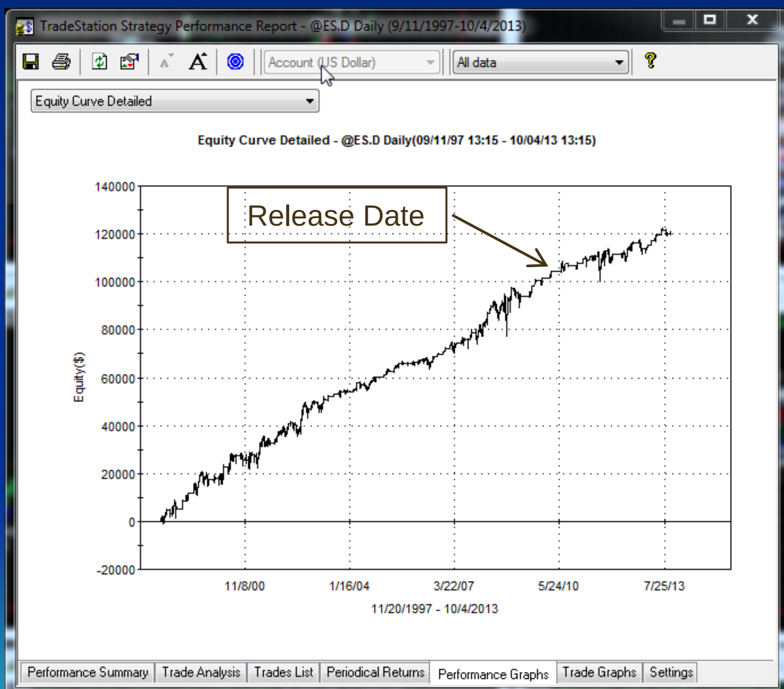
Systems included in this table must have been released for at least 18 months. Results based on performance through January 31, 2013.
Return is based on three times the required margin.

Rank	System Name	Annual % Return
1.	TSL_CEL_NG_1.1	142.0%
2.	Delphi II EMD	76.9%
3.	MAR - NewBondLiveSync	73.5%
4.	TSL_US1	71.5%
5.	TSL-SP_1.0Z	63.8%
6.	MAR - SP Mini Sync	59.9%
7.	NatGator Silver	53.4%
8.	TSL-CEL_SP1	53.4%
9.	Propero ES	49.0%
10.	Impetus SP	48.6%

ROI based on 3*Margin and includes Slippage and Commission

@ES.D Mini Spooz

Long Only
TT1, PP1
Designed on @ES.D
TTPR ~ 20:1 (Very Low)



TradeStation Strategy Performance Report - @ES.D Daily (9/11/1997-10/4/2013)

Display: Table View

TradeStation Performance Summary — Expand

All Trades

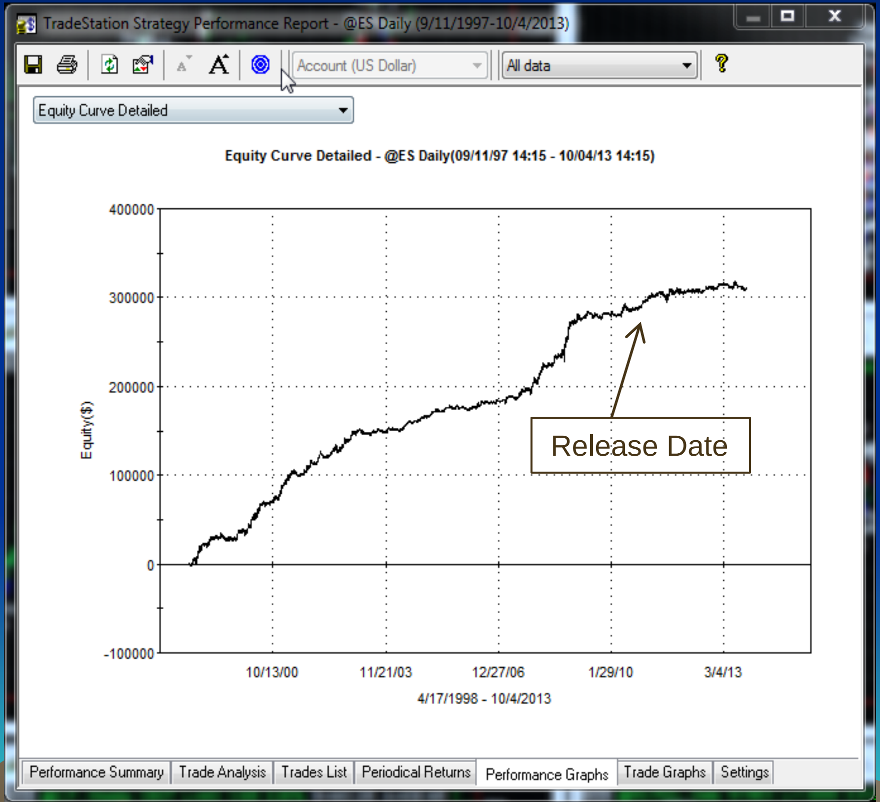
Total Net Profit	$120,012.5000	Profit Factor	2.9837
Gross Profit	$180,512.5000	Gross Loss	($60,500.0000)
Total Number of Trades	141	Percent Profitable	68.7943%
Winning Trades	97	Losing Trades	44
Even Trades	0		
Avg. Trade Net Profit	$851.1525	Ratio Avg. Win:Avg. Loss	1.3534
Avg. Winning Trade	$1,860.9536	Avg. Losing Trade	($1,375.0000)
Largest Winning Trade	$6,737.5000	Largest Losing Trade	($5,100.0000)
Max. Consecutive Winning Trades	7	Max. Consecutive Losing Trades	4
Avg. Bars in Winning Trades	10.0722	Avg. Bars in Losing Trades	14.6136
Avg. Bars in Total Trades	11.4894		
Max. Shares/Contracts Held	1	Account Size Required	$5,262.5000
Return on Initial Capital	120.0125%	Annual Rate of Return	4.9682%
Return Retracement Ratio	0.1386	RINA Index	167.1529
Trading Period	15 Yrs, 10 Mths, 13 Dys	Percent of Time in the Market	37.0364%
Max. Equity Run-up	$123,200.0000		
Max. Drawdown (Intra-day Peak to Valley)		**Max. Drawdown (Trade Close to Trade Close)**	
Value	($17,962.5000)	Value	($5,262.5000)
Net Profit as % of Drawdown	668.1280%	Net Profit as % of Drawdown	2280.5226%
Max. Trade Drawdown	($14,087.5000)		

Performance Summary | Trade Analysis | Trades List | Periodical Returns | Performance Graphs | Trade Graphs | Settings

Trading System Lab®

@ES Daily System 1

PP5 TT5 FF34
Back OOS
Designed on @ES daily
TTPR~88:1



TradeStation Strategy Performance Report - @ES Daily (9/11/1997-10/4/2013)

Account (US Dollar) | All data

Display: Table View

TradeStation Performance Summary — Expand

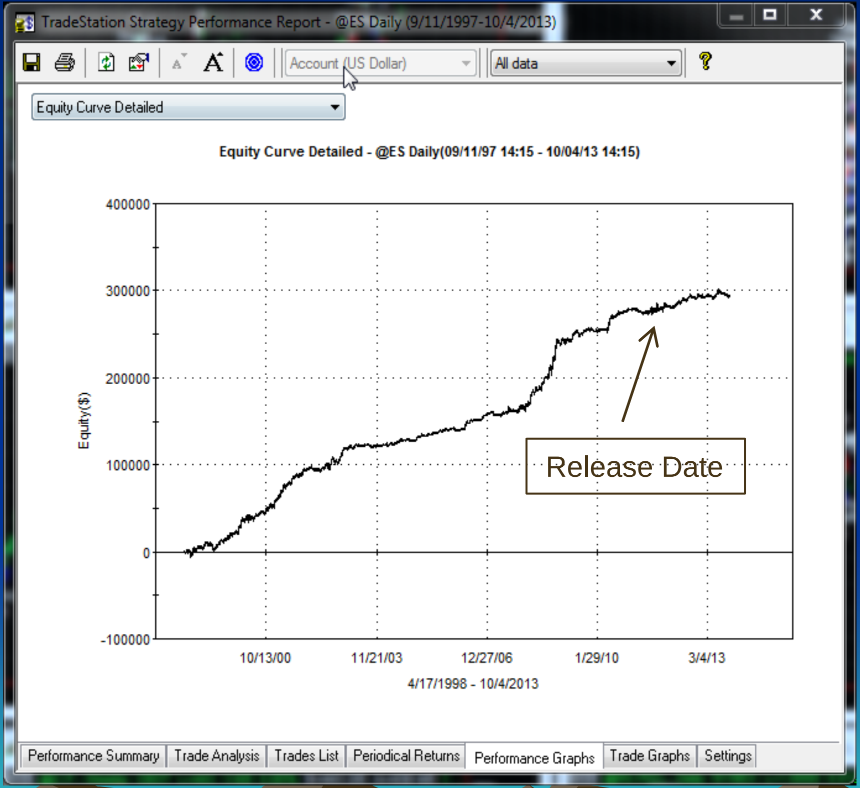
All Trades

Total Net Profit	$308,712.5000	Profit Factor	1.9737
Gross Profit	$625,775.0000	Gross Loss	($317,062.5000)
Total Number of Trades	968	Percent Profitable	65.0826%
Winning Trades	630	Losing Trades	336
Even Trades	2		
Avg. Trade Net Profit	$318.9179	Ratio Avg. Win:Avg. Loss	1.0526
Avg. Winning Trade	$993.2937	Avg. Losing Trade	($943.6384)
Largest Winning Trade	$6,662.5000	Largest Losing Trade	($4,612.5000)
Max. Consecutive Winning Trades	15	Max. Consecutive Losing Trades	6
Avg. Bars in Winning Trades	3.8175	Avg. Bars in Losing Trades	7.1429
Avg. Bars in Total Trades	4.9721		
Max. Shares/Contracts Held	1	Account Size Required	$9,550.0000
Return on Initial Capital	308.7125%	Annual Rate of Return	9.1027%
Return Retracement Ratio	0.1429	RINA Index	240.6907
Trading Period	15 Yrs, 5 Mths, 17 Dys	Percent of Time in the Market	98.7077%
Max. Equity Run-up	$319,312.5000		
Max. Drawdown (Intra-day Peak to Valley)		**Max. Drawdown (Trade Close to Trade Close)**	
Value	($13,250.0000)	Value	($9,550.0000)
Net Profit as % of Drawdown	2329.9057%	Net Profit as % of Drawdown	3232.5916%
Max. Trade Drawdown	($13,262.5000)		

Performance Summary | Trade Analysis | Trades List | Periodical Returns | Performance Graphs | Trade Graphs | Settings

@ES Daily System 2

PP5 TT5 FF34
Back OOS
Designed on @ES daily
TTPR~100:1



TradeStation Strategy Performance Report - @ES Daily (9/11/1997-10/4/2013)

Account (US Dollar) | All data

Display: Table View

TradeStation Performance Summary Expand

All Trades

Total Net Profit	$292,650.0000	Profit Factor	1.9157
Gross Profit	$612,225.0000	Gross Loss	($319,575.0000)
Total Number of Trades	986	Percent Profitable	64.6045%
Winning Trades	637	Losing Trades	344
Even Trades	5		
Avg. Trade Net Profit	$296.8053	Ratio Avg. Win:Avg. Loss	1.0346
Avg. Winning Trade	$961.1068	Avg. Losing Trade	($928.9971)
Largest Winning Trade	$8,450.0000	Largest Losing Trade	($5,012.5000)
Max. Consecutive Winning Trades	11	Max. Consecutive Losing Trades	4
Avg. Bars in Winning Trades	4.0173	Avg. Bars in Losing Trades	6.5552
Avg. Bars in Total Trades	4.8996		
Max. Shares/Contracts Held	1	Account Size Required	$8,412.5000
Return on Initial Capital	292.6500%	Annual Rate of Return	8.8435%
Return Retracement Ratio	0.1389	RINA Index	238.9812
Trading Period	15 Yrs, 5 Mths, 17 Dys	Percent of Time in the Market	98.7077%
Max. Equity Run-up	$307,725.0000		

Max. Drawdown (Intra-day Peak to Valley)		**Max. Drawdown (Trade Close to Trade Close)**	
Value	($13,250.0000)	Value	($8,412.5000)
Net Profit as % of Drawdown	2208.6792%	Net Profit as % of Drawdown	3478.7519%
Max. Trade Drawdown	($13,262.5000)		

Performance Summary | Trade Analysis | Trades List | Periodical Returns | Performance Graphs | Trade Graphs | Settings

11/10/2013

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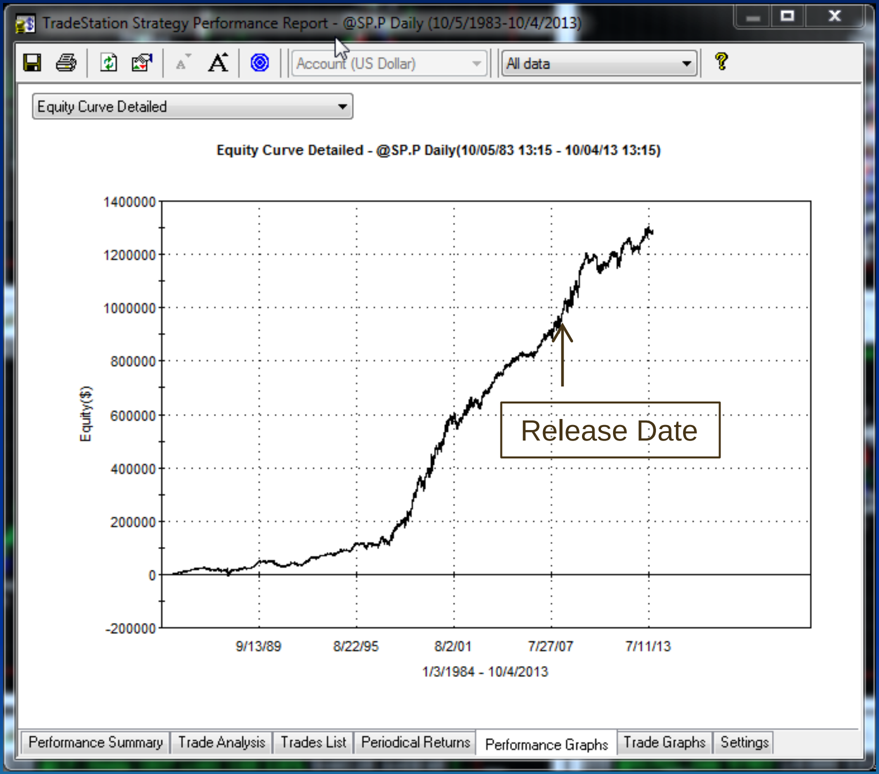
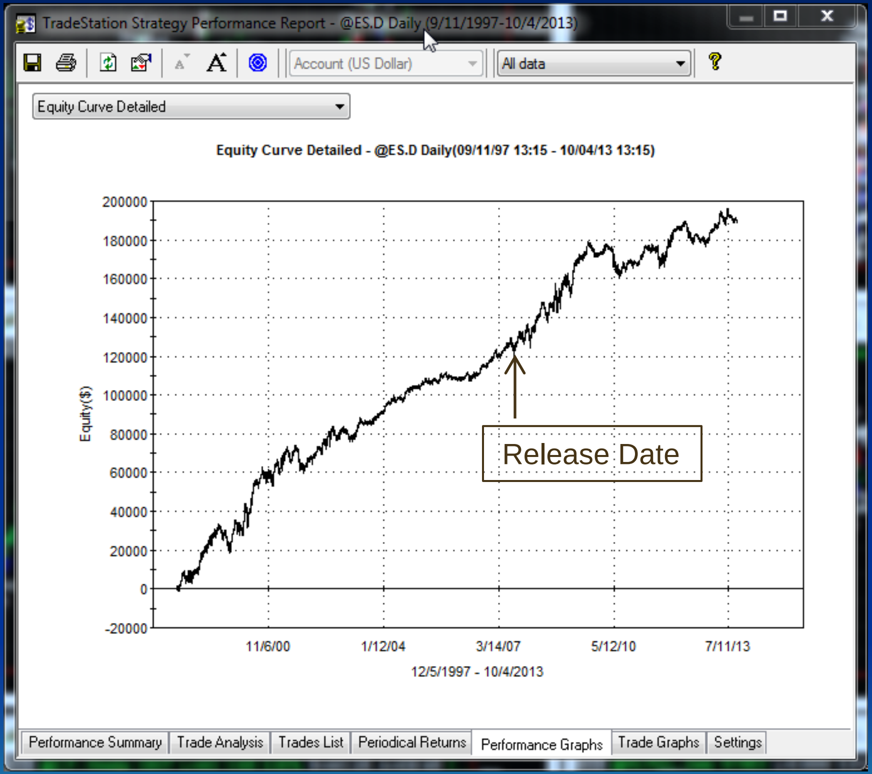
@SP.P or @ES.D System

FT Tracked as SP1

@SP.D



@ES.D

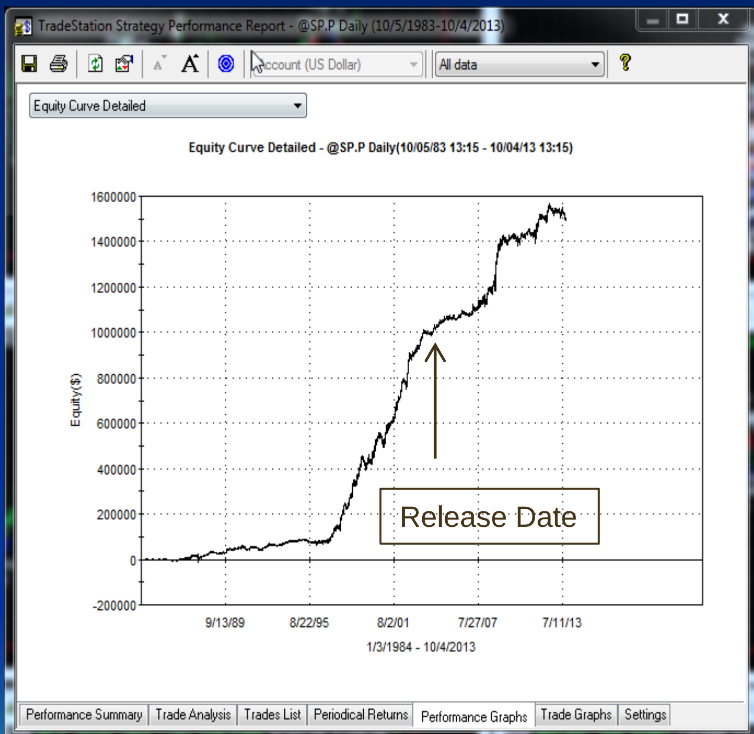


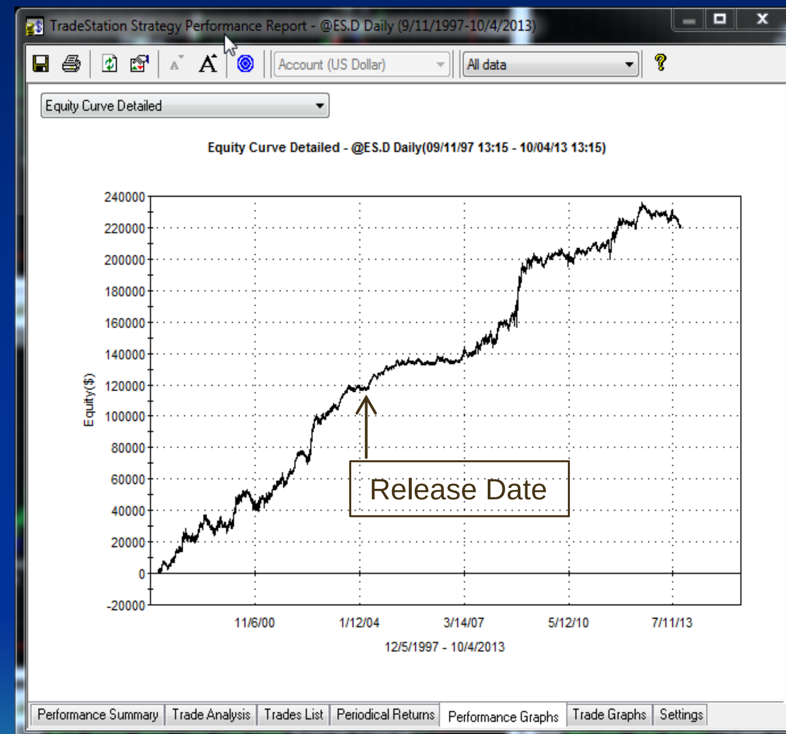
Trading System Lab®

@SP.P or @ES.D System

FT tracked as SP z1

Hybrid TSL DNA and Manual Designs



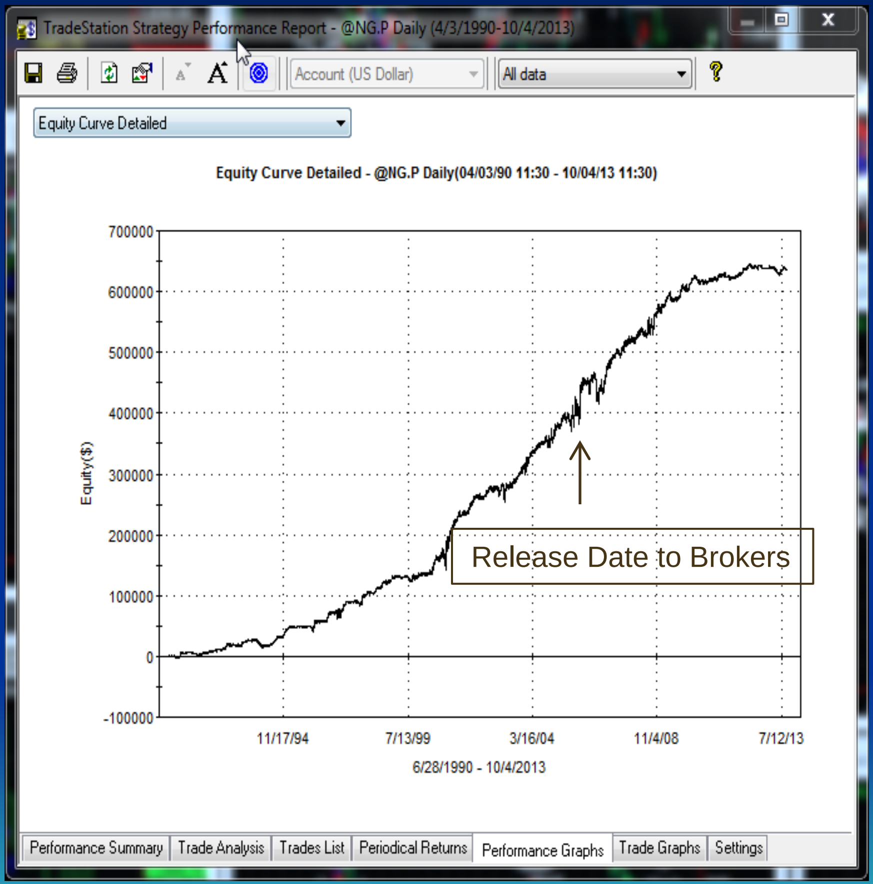


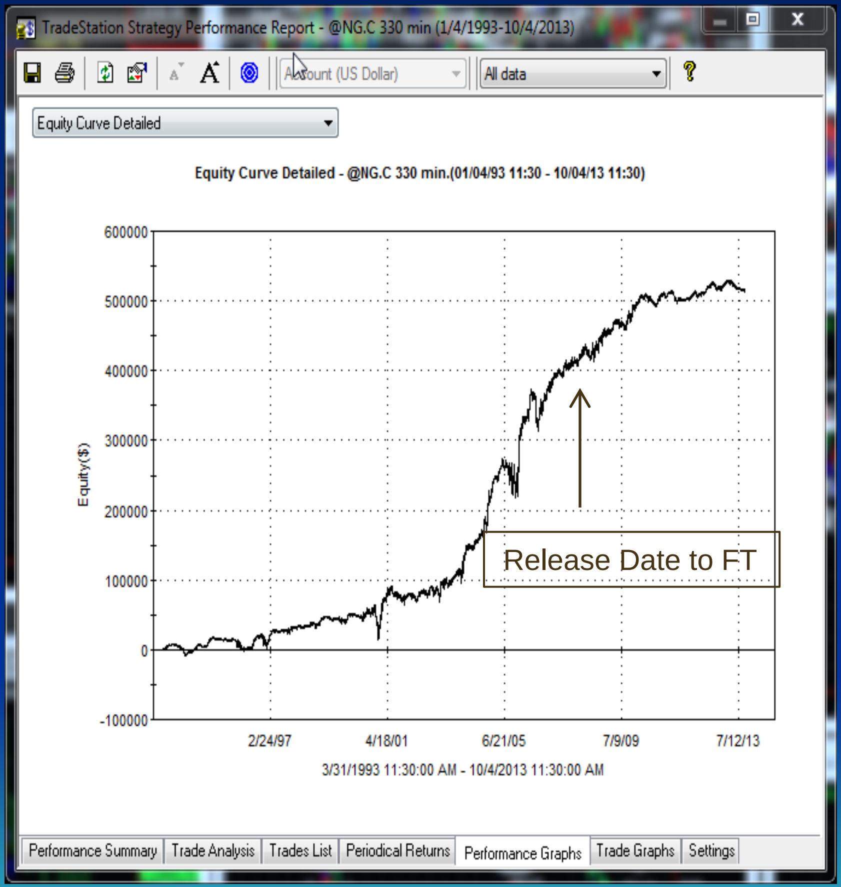
Trading System Lab®

@NG.P or @NG.C System

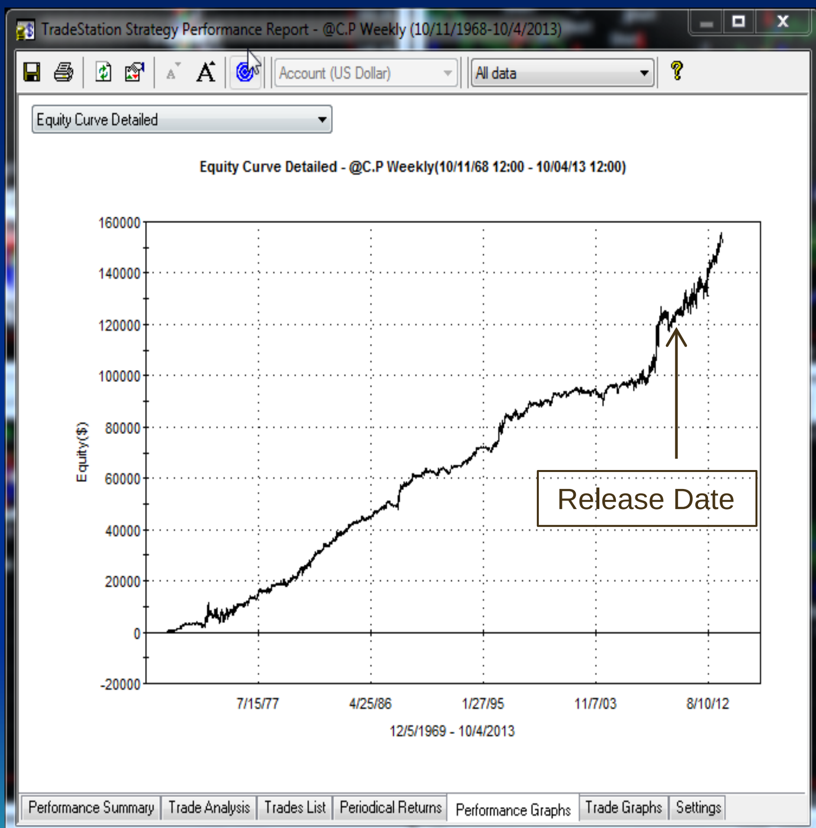
FT Tracked

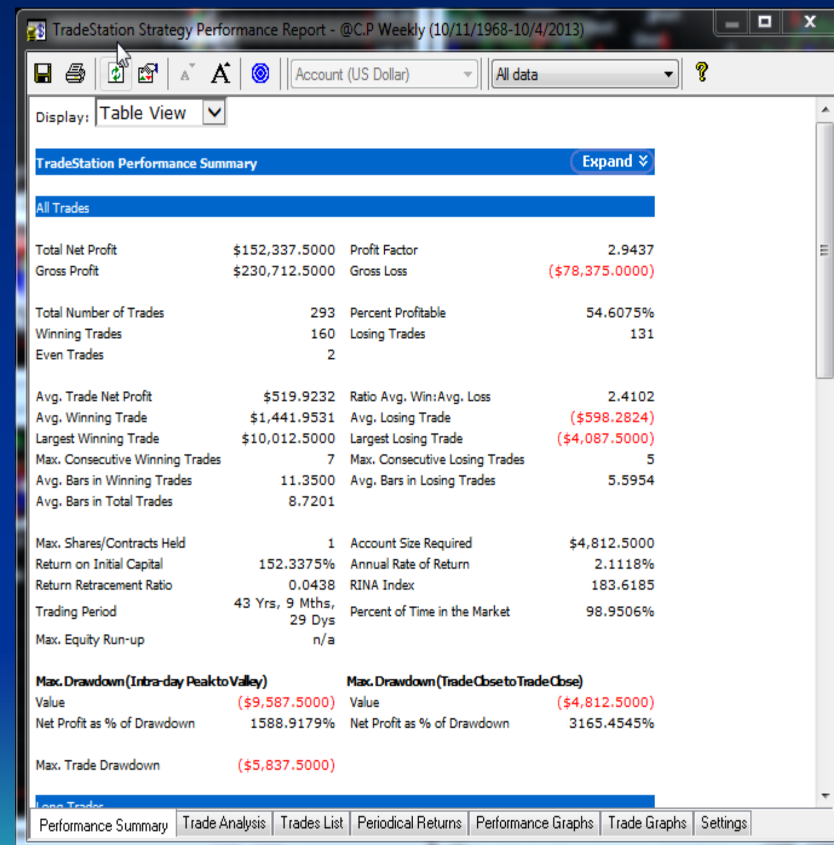
Nat Gas pit volume reduced following release so brokers switched to NG combined





@C System





TradeStation Strategy Performance Report - @C.P Weekly (10/11/1968-10/4/2013)

Display: Table View

TradeStation Performance Summary Expand

All Trades

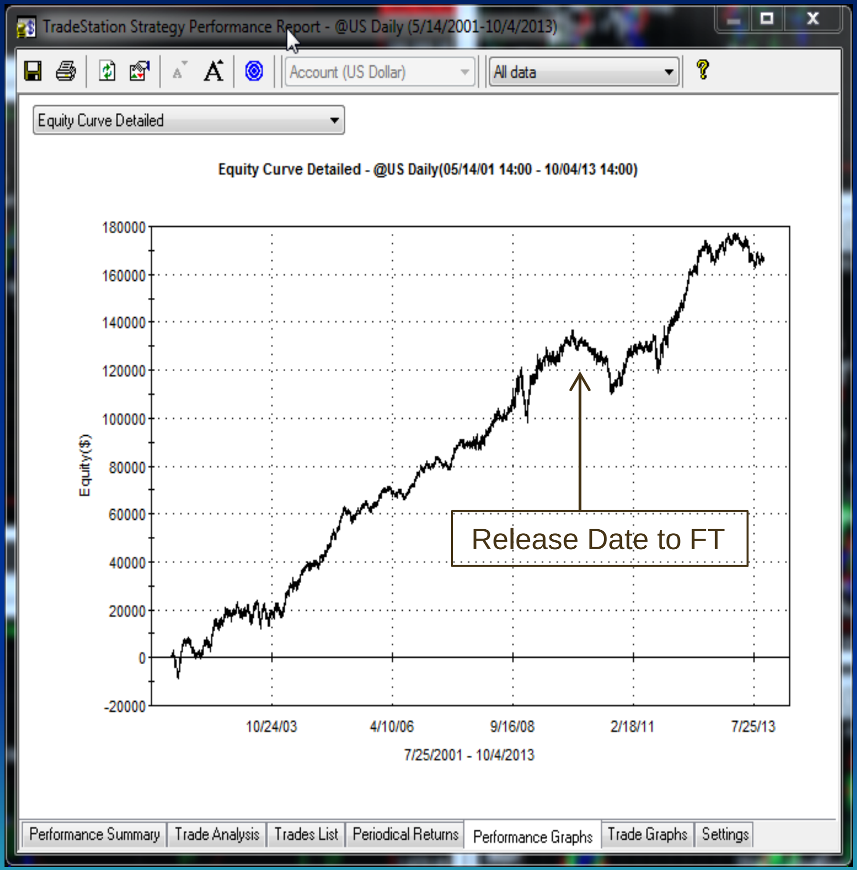
Total Net Profit	$152,337.5000	Profit Factor	2.9437
Gross Profit	$230,712.5000	Gross Loss	($78,375.0000)
Total Number of Trades	293	Percent Profitable	54.6075%
Winning Trades	160	Losing Trades	131
Even Trades	2		
Avg. Trade Net Profit	$519.9232	Ratio Avg. Win:Avg. Loss	2.4102
Avg. Winning Trade	$1,441.9531	Avg. Losing Trade	($598.2824)
Largest Winning Trade	$10,012.5000	Largest Losing Trade	($4,087.5000)
Max. Consecutive Winning Trades	7	Max. Consecutive Losing Trades	5
Avg. Bars in Winning Trades	11.3500	Avg. Bars in Losing Trades	5.5954
Avg. Bars in Total Trades	8.7201		
Max. Shares/Contracts Held	1	Account Size Required	$4,812.5000
Return on Initial Capital	152.3375%	Annual Rate of Return	2.1118%
Return Retracement Ratio	0.0438	RINA Index	183.6185
Trading Period	43 Yrs, 9 Mths, 29 Dys	Percent of Time in the Market	98.9506%
Max. Equity Run-up	n/a		
Max. Drawdown (Intra-day Peak to Valley)		**Max. Drawdown (Trade Close to Trade Close)**	
Value	($9,587.5000)	Value	($4,812.5000)
Net Profit as % of Drawdown	1588.9179%	Net Profit as % of Drawdown	3165.4545%
Max. Trade Drawdown	($5,837.5000)		

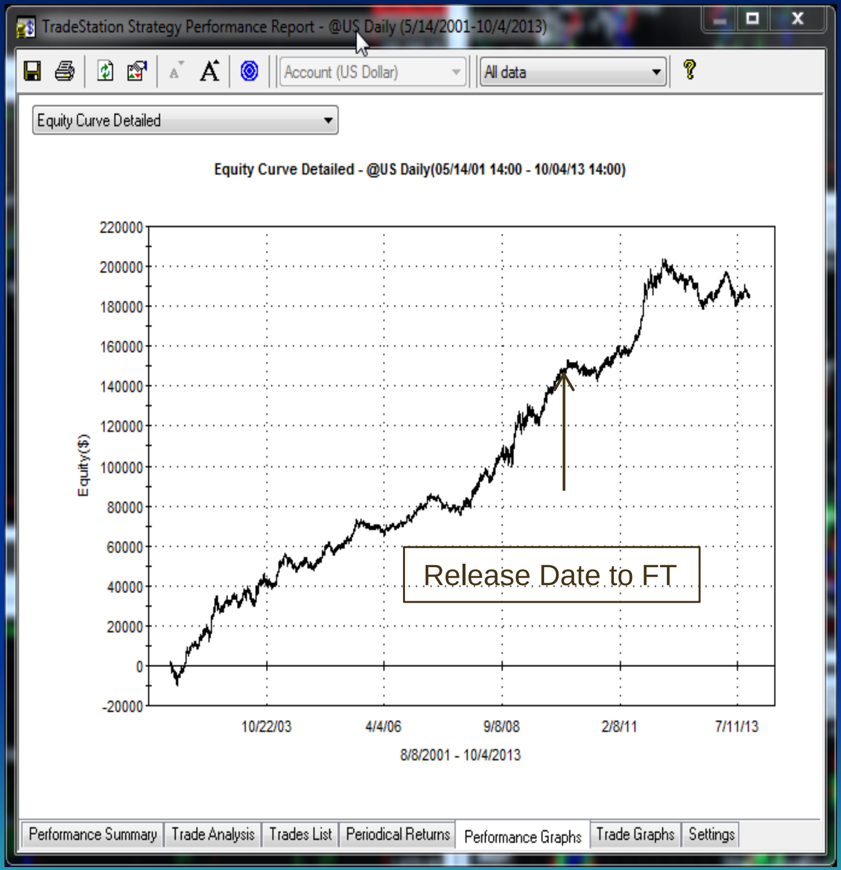
Performance Summary | Trade Analysis | Trades List | Periodical Returns | Performance Graphs | Trade Graphs | Settings

Trading System Lab®

@US Systems

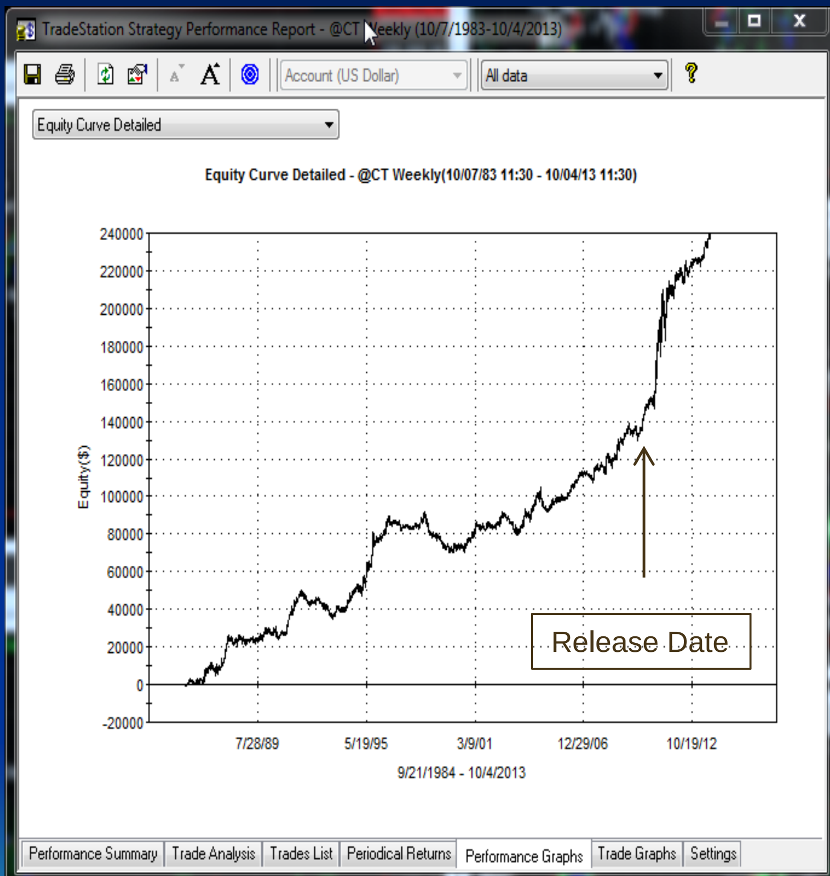
FT Tracked

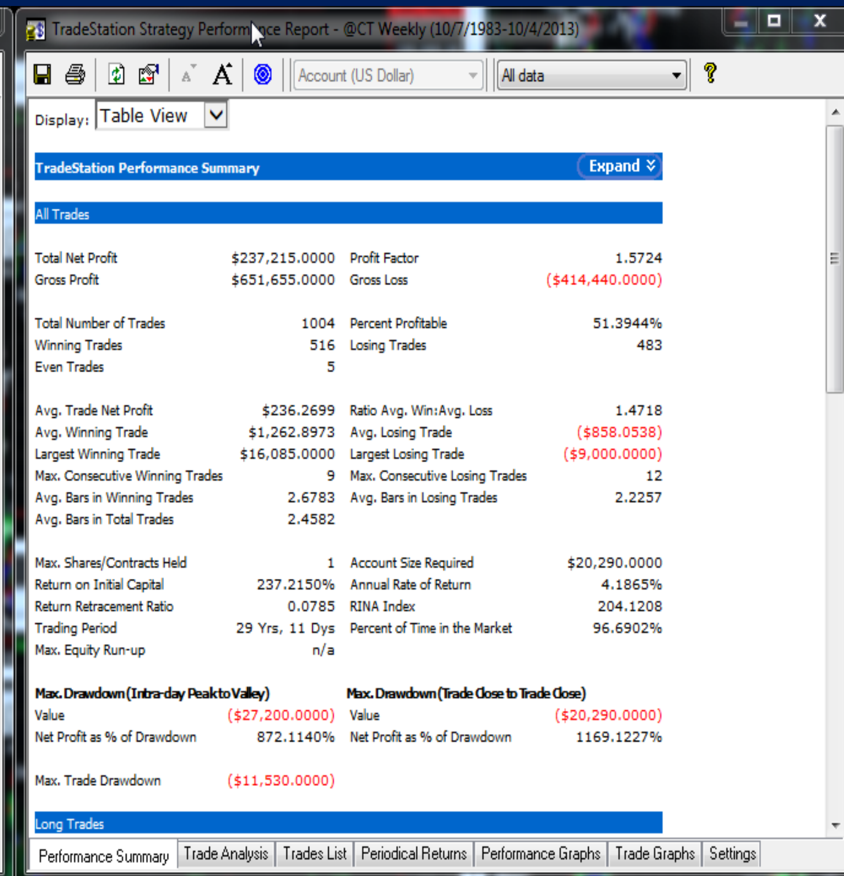




Trading System Lab®

@CT System





TradeStation Strategy Performance Report - @CT Weekly (10/7/1983-10/4/2013)

Account (US Dollar) | All data

Display: Table View

TradeStation Performance Summary Expand

All Trades

Total Net Profit	$237,215.0000	Profit Factor	1.5724
Gross Profit	$651,655.0000	Gross Loss	($414,440.0000)
Total Number of Trades	1004	Percent Profitable	51.3944%
Winning Trades	516	Losing Trades	483
Even Trades	5		
Avg. Trade Net Profit	$236.2699	Ratio Avg. Win:Avg. Loss	1.4718
Avg. Winning Trade	$1,262.8973	Avg. Losing Trade	($858.0538)
Largest Winning Trade	$16,085.0000	Largest Losing Trade	($9,000.0000)
Max. Consecutive Winning Trades	9	Max. Consecutive Losing Trades	12
Avg. Bars in Winning Trades	2.6783	Avg. Bars in Losing Trades	2.2257
Avg. Bars in Total Trades	2.4582		
Max. Shares/Contracts Held	1	Account Size Required	$20,290.0000
Return on Initial Capital	237.2150%	Annual Rate of Return	4.1865%
Return Retracement Ratio	0.0785	RINA Index	204.1208
Trading Period	29 Yrs, 11 Dys	Percent of Time in the Market	96.6902%
Max. Equity Run-up	n/a		
Max. Drawdown (Intra-day Peak to Valley)		**Max. Drawdown (Trade Close to Trade Close)**	
Value	($27,200.0000)	Value	($20,290.0000)
Net Profit as % of Drawdown	872.1140%	Net Profit as % of Drawdown	1169.1227%
Max. Trade Drawdown	($11,530.0000)		

Long Trades

Performance Summary | Trade Analysis | Trades List | Periodical Returns | Performance Graphs | Trade Graphs | Settings

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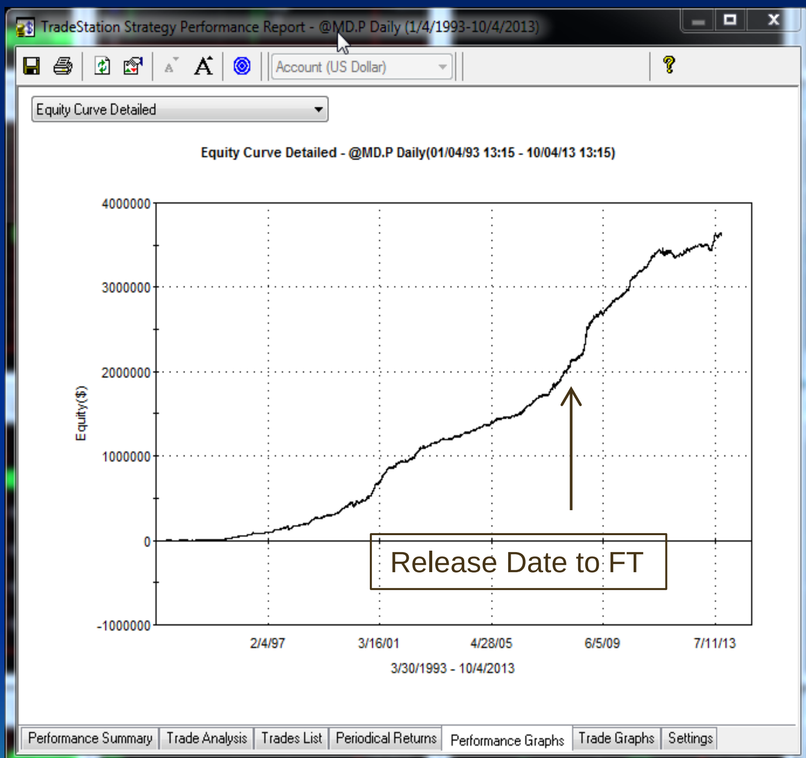
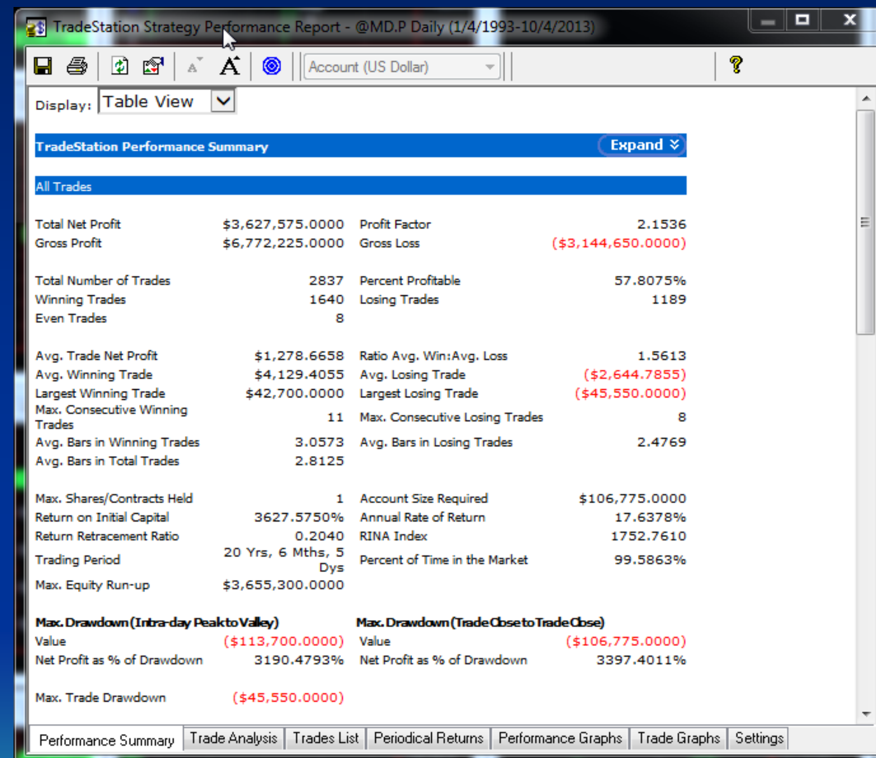
@MD.P Systems

FT Submitted-Can't track due to low volume





TradeStation Strategy Performance Report - @MD.P Daily (1/4/1993-10/4/2013)

Display: Table View

TradeStation Performance Summary

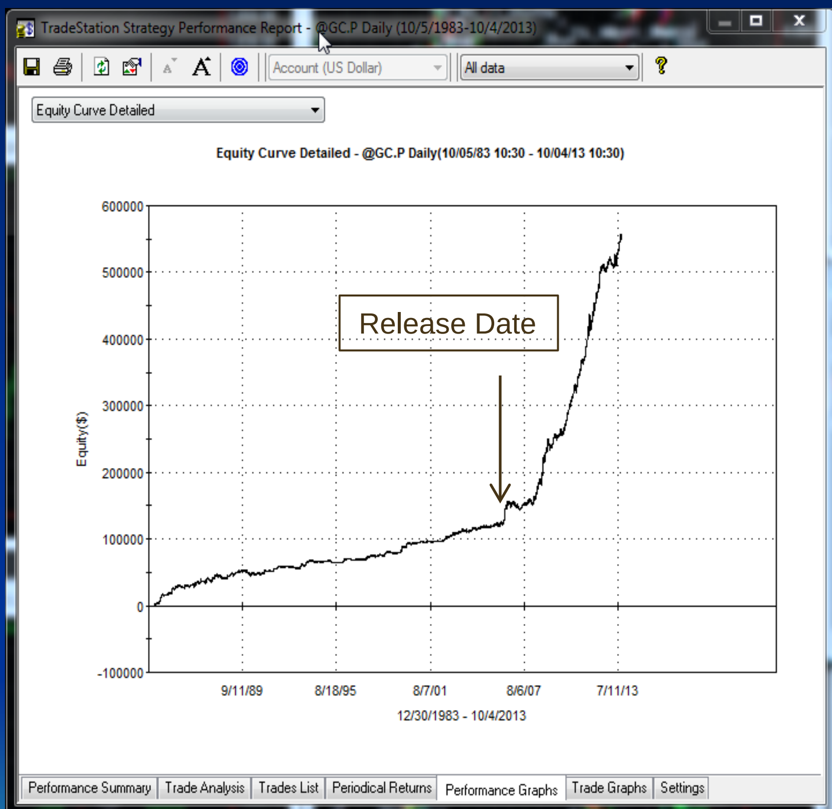
All Trades

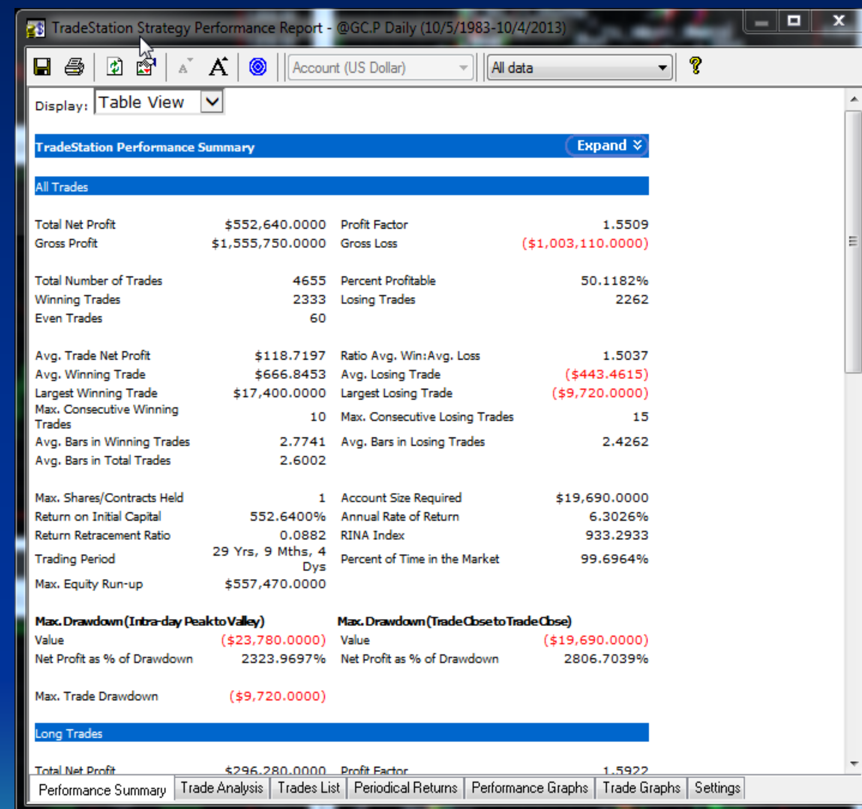
Total Net Profit	$3,627,575.0000	Profit Factor	2.1536
Gross Profit	$6,772,225.0000	Gross Loss	($3,144,650.0000)
Total Number of Trades	2837	Percent Profitable	57.8075%
Winning Trades	1640	Losing Trades	1189
Even Trades	8		
Avg. Trade Net Profit	$1,278.6658	Ratio Avg. Win:Avg. Loss	1.5613
Avg. Winning Trade	$4,129.4055	Avg. Losing Trade	($2,644.7855)
Largest Winning Trade	$42,700.0000	Largest Losing Trade	($45,550.0000)
Max. Consecutive Winning Trades	11	Max. Consecutive Losing Trades	8
Avg. Bars in Winning Trades	3.0573	Avg. Bars in Losing Trades	2.4769
Avg. Bars in Total Trades	2.8125		
Max. Shares/Contracts Held	1	Account Size Required	$106,775.0000
Return on Initial Capital	3627.5750%	Annual Rate of Return	17.6378%
Return Retracement Ratio	0.2040	RINA Index	1752.7610
Trading Period	20 Yrs, 6 Mths, 5 Dys	Percent of Time in the Market	99.5863%
Max. Equity Run-up	$3,655,300.0000		
Max. Drawdown (Intra-day Peak to Valley)		**Max. Drawdown (Trade Close to Trade Close)**	
Value	($113,700.0000)	Value	($106,775.0000)
Net Profit as % of Drawdown	3190.4793%	Net Profit as % of Drawdown	3397.4011%
Max. Trade Drawdown	($45,550.0000)		

Performance Summary | Trade Analysis | Trades List | Periodical Returns | Performance Graphs | Trade Graphs | Settings

Trading System Lab®

@GC.P Systems




TradeStation Strategy Performance Report - @GC.P Daily (10/5/1983-10/4/2013)

Display: Table View

TradeStation Performance Summary — Expand

All Trades

Total Net Profit	$552,640.0000	Profit Factor	1.5509
Gross Profit	$1,555,750.0000	Gross Loss	($1,003,110.0000)
Total Number of Trades	4655	Percent Profitable	50.1182%
Winning Trades	2333	Losing Trades	2262
Even Trades	60		
Avg. Trade Net Profit	$118.7197	Ratio Avg. Win:Avg. Loss	1.5037
Avg. Winning Trade	$666.8453	Avg. Losing Trade	($443.4615)
Largest Winning Trade	$17,400.0000	Largest Losing Trade	($9,720.0000)
Max. Consecutive Winning Trades	10	Max. Consecutive Losing Trades	15
Avg. Bars in Winning Trades	2.7741	Avg. Bars in Losing Trades	2.4262
Avg. Bars in Total Trades	2.6002		
Max. Shares/Contracts Held	1	Account Size Required	$19,690.0000
Return on Initial Capital	552.6400%	Annual Rate of Return	6.3026%
Return Retracement Ratio	0.0882	RINA Index	933.2933
Trading Period	29 Yrs, 9 Mths, 4 Dys	Percent of Time in the Market	99.6964%
Max. Equity Run-up	$557,470.0000		
Max. Drawdown (Intra-day Peak to Valley)		**Max. Drawdown (Trade Close to Trade Close)**	
Value	($23,780.0000)	Value	($19,690.0000)
Net Profit as % of Drawdown	2323.9697%	Net Profit as % of Drawdown	2806.7039%
Max. Trade Drawdown	($9,720.0000)		

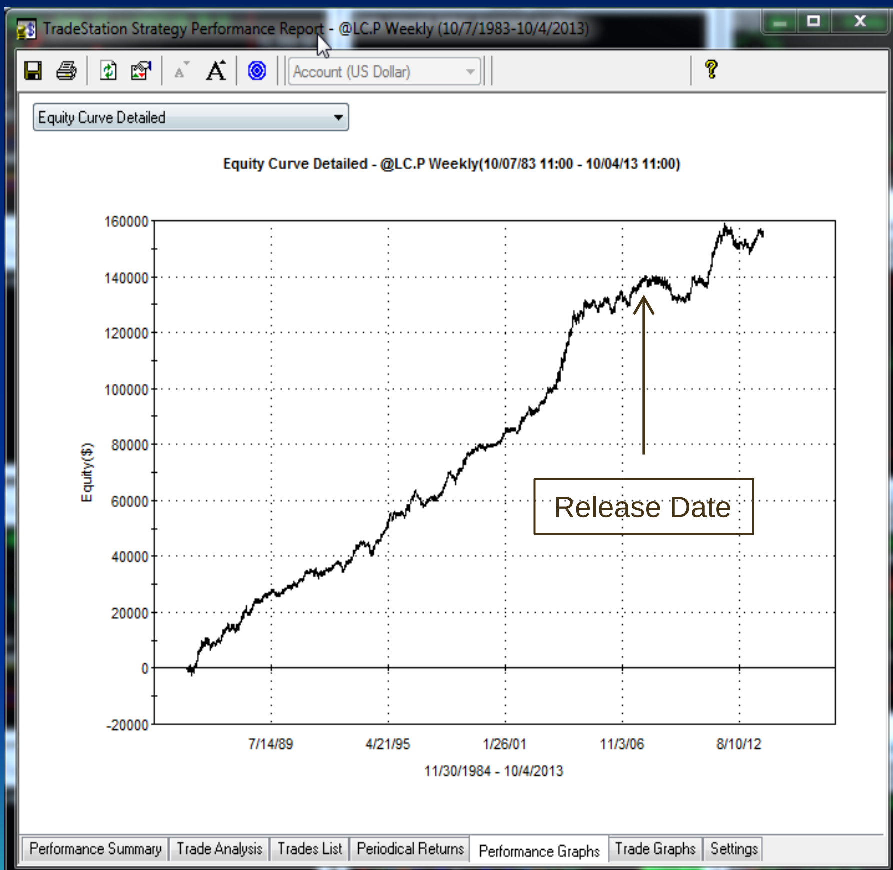
Long Trades

Total Net Profit	$296,280.0000	Profit Factor	1.5922

Performance Summary | Trade Analysis | Trades List | Periodical Returns | Performance Graphs | Trade Graphs | Settings

Trading System Lab®

@LC.P Systems



TradeStation Strategy Performance Report - @LC.P Weekly (10/7/1983-10/4/2013)

Account (US Dollar)

Display: Table View

TradeStation Performance Summary Expand

All Trades

Total Net Profit	$155,544.0000	Profit Factor	2.1771
Gross Profit	$287,684.0000	Gross Loss	($132,140.0000)
Total Number of Trades	577	Percent Profitable	63.4315%
Winning Trades	366	Losing Trades	203
Even Trades	8		
Avg. Trade Net Profit	$269.5737	Ratio Avg. Win:Avg. Loss	1.2075
Avg. Winning Trade	$786.0219	Avg. Losing Trade	($650.9360)
Largest Winning Trade	$4,340.0000	Largest Losing Trade	($4,200.0000)
Max. Consecutive Winning Trades	12	Max. Consecutive Losing Trades	7
Avg. Bars in Winning Trades	3.3579	Avg. Bars in Losing Trades	3.9409
Avg. Bars in Total Trades	3.5581		
Max. Shares/Contracts Held	1	Account Size Required	$8,820.0000
Return on Initial Capital	155.5440%	Annual Rate of Return	3.2528%
Return Retracement Ratio	0.0647	RINA Index	221.2113
Trading Period	28 Yrs, 10 Mths, 3 Dys	Percent of Time in the Market	98.4623%
Max. Equity Run-up	n/a		
Max. Drawdown (Intra-day Peak to Valley)		**Max. Drawdown (Trade Close to Trade Close)**	
Value	($11,080.0000)	Value	($8,820.0000)
Net Profit as % of Drawdown	1403.8267%	Net Profit as % of Drawdown	1763.5374%
Max. Trade Drawdown	($5,330.0000)		

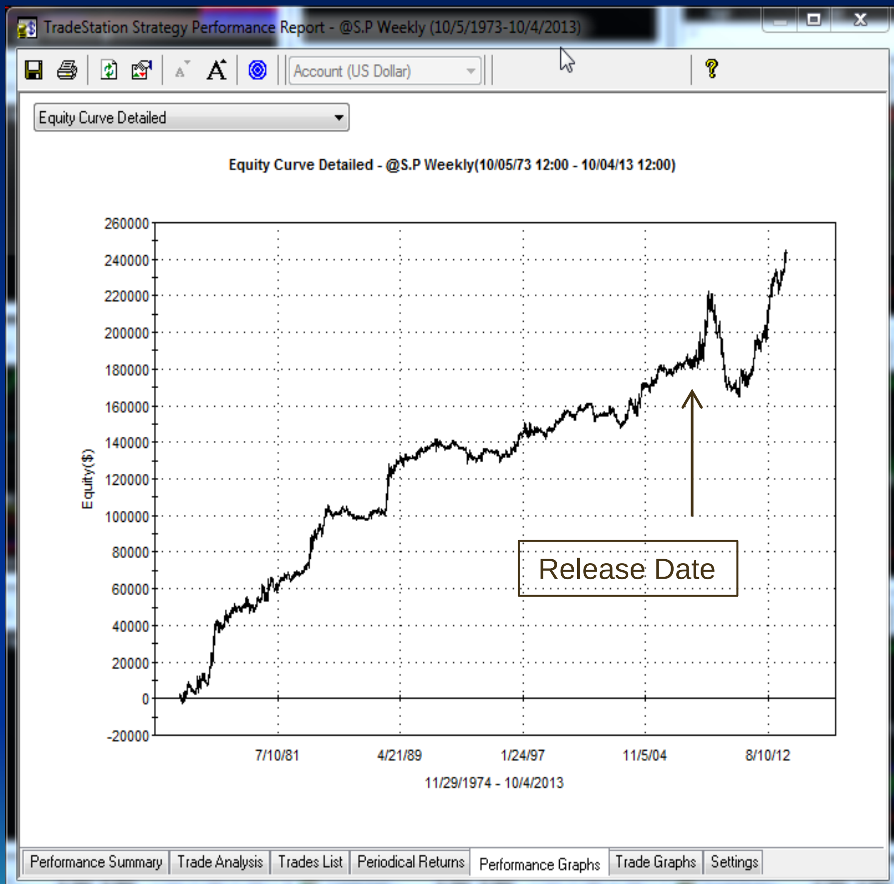
Long Trades

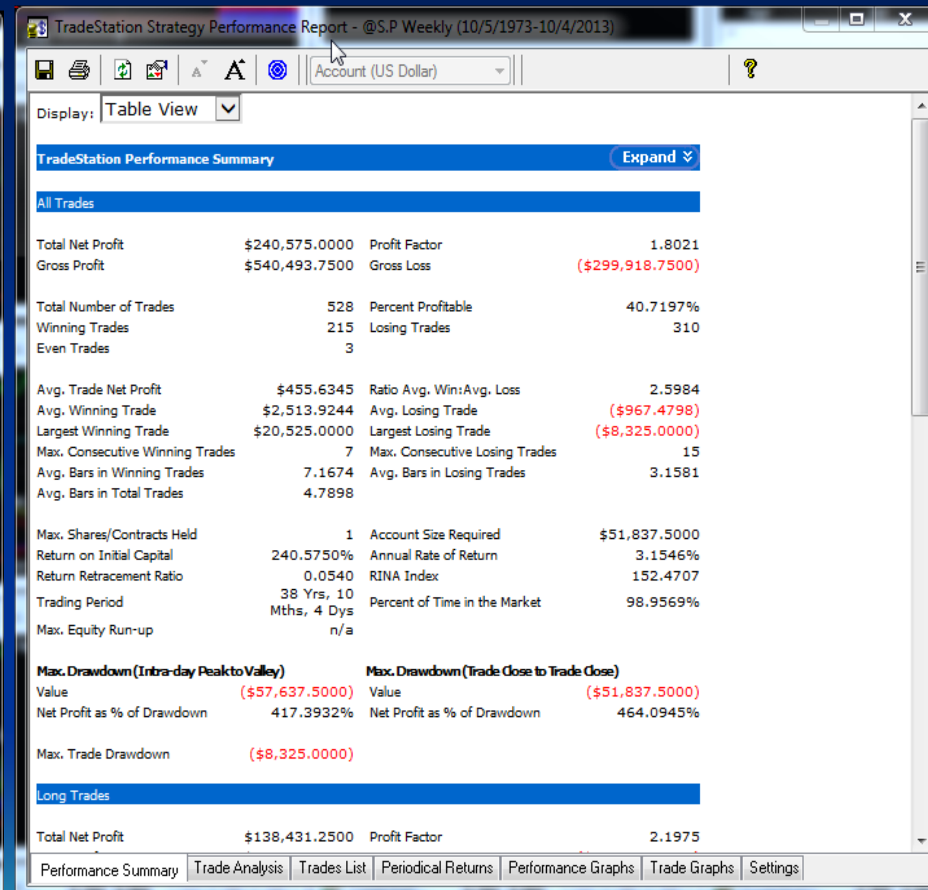
Total Net Profit	$86,132.0000	Profit Factor	2.1873

Performance Summary | Trade Analysis | Trades List | Periodical Returns | Performance Graphs | Trade Graphs | Settings

Trading System Lab®

@S.P Systems





TradeStation Strategy Performance Report - @S.P Weekly (10/5/1973-10/4/2013)

Account (US Dollar)

Display: Table View

TradeStation Performance Summary Expand

All Trades

Total Net Profit	$240,575.0000	Profit Factor	1.8021
Gross Profit	$540,493.7500	Gross Loss	($299,918.7500)
Total Number of Trades	528	Percent Profitable	40.7197%
Winning Trades	215	Losing Trades	310
Even Trades	3		
Avg. Trade Net Profit	$455.6345	Ratio Avg. Win:Avg. Loss	2.5984
Avg. Winning Trade	$2,513.9244	Avg. Losing Trade	($967.4798)
Largest Winning Trade	$20,525.0000	Largest Losing Trade	($8,325.0000)
Max. Consecutive Winning Trades	7	Max. Consecutive Losing Trades	15
Avg. Bars in Winning Trades	7.1674	Avg. Bars in Losing Trades	3.1581
Avg. Bars in Total Trades	4.7898		
Max. Shares/Contracts Held	1	Account Size Required	$51,837.5000
Return on Initial Capital	240.5750%	Annual Rate of Return	3.1546%
Return Retracement Ratio	0.0540	RINA Index	152.4707
Trading Period	38 Yrs, 10 Mths, 4 Dys	Percent of Time in the Market	98.9569%
Max. Equity Run-up	n/a		

Max. Drawdown (Intra-day Peak to Valley)		**Max. Drawdown (Trade Close to Trade Close)**	
Value	($57,637.5000)	Value	($51,837.5000)
Net Profit as % of Drawdown	417.3932%	Net Profit as % of Drawdown	464.0945%
Max. Trade Drawdown	($8,325.0000)		

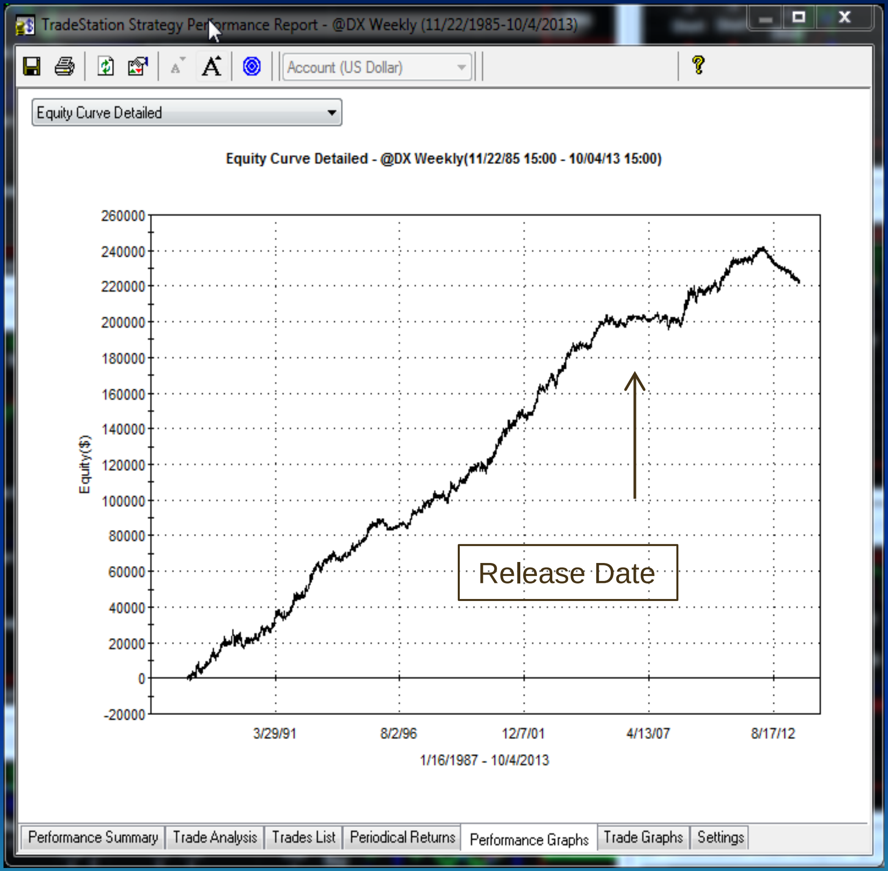
Long Trades

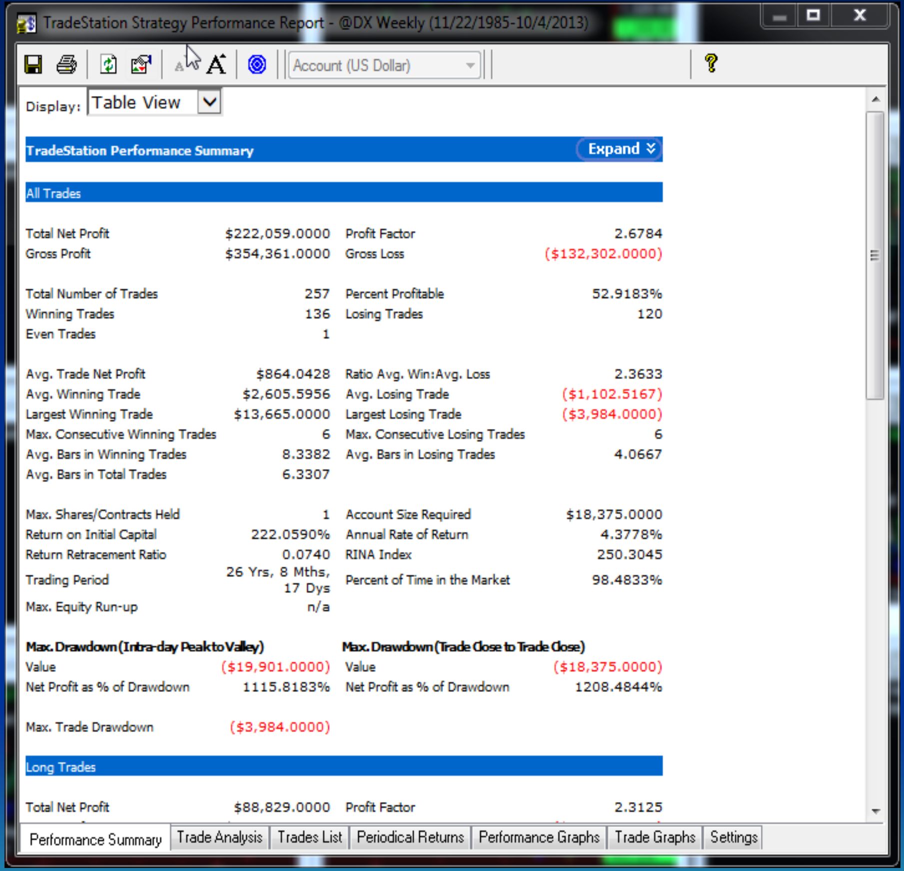
Total Net Profit	$138,431.2500	Profit Factor	2.1975

Performance Summary | Trade Analysis | Trades List | Periodical Returns | Performance Graphs | Trade Graphs | Settings

Trading System Lab®

@DX.P and @DX Systems




TradeStation Strategy Performance Report - @DX Weekly (11/22/1985-10/4/2013)

Account (US Dollar)

Display: Table View

TradeStation Performance Summary Expand

All Trades

Total Net Profit	$222,059.0000	Profit Factor	2.6784
Gross Profit	$354,361.0000	Gross Loss	($132,302.0000)
Total Number of Trades	257	Percent Profitable	52.9183%
Winning Trades	136	Losing Trades	120
Even Trades	1		
Avg. Trade Net Profit	$864.0428	Ratio Avg. Win:Avg. Loss	2.3633
Avg. Winning Trade	$2,605.5956	Avg. Losing Trade	($1,102.5167)
Largest Winning Trade	$13,665.0000	Largest Losing Trade	($3,984.0000)
Max. Consecutive Winning Trades	6	Max. Consecutive Losing Trades	6
Avg. Bars in Winning Trades	8.3382	Avg. Bars in Losing Trades	4.0667
Avg. Bars in Total Trades	6.3307		
Max. Shares/Contracts Held	1	Account Size Required	$18,375.0000
Return on Initial Capital	222.0590%	Annual Rate of Return	4.3778%
Return Retracement Ratio	0.0740	RINA Index	250.3045
Trading Period	26 Yrs, 8 Mths, 17 Dys	Percent of Time in the Market	98.4833%
Max. Equity Run-up	n/a		

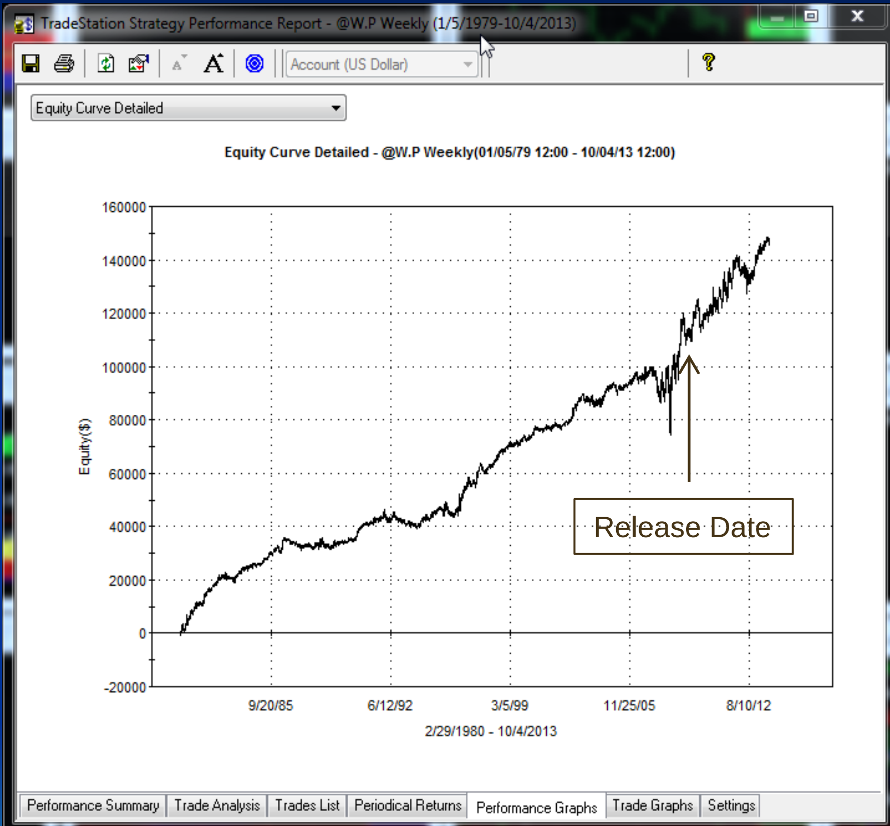
Max. Drawdown (Intra-day Peak to Valley)		**Max. Drawdown (Trade Close to Trade Close)**	
Value	($19,901.0000)	Value	($18,375.0000)
Net Profit as % of Drawdown	1115.8183%	Net Profit as % of Drawdown	1208.4844%
Max. Trade Drawdown	($3,984.0000)		

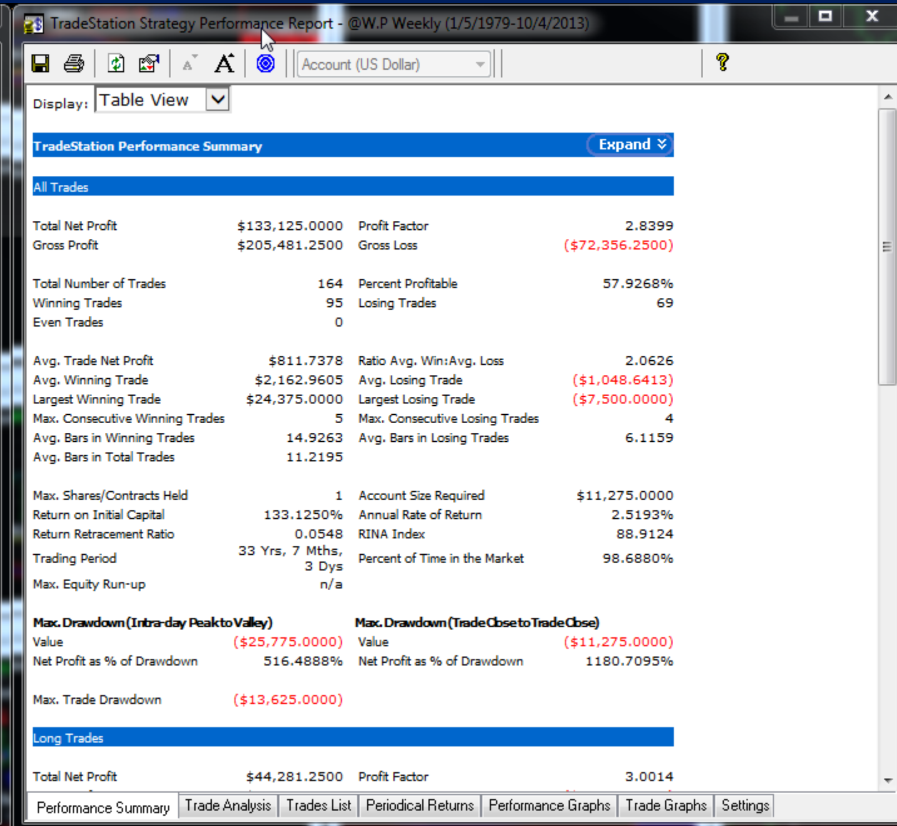
Long Trades

Total Net Profit	$88,829.0000	Profit Factor	2.3125

Performance Summary | Trade Analysis | Trades List | Periodical Returns | Performance Graphs | Trade Graphs | Settings

@W.P Systems





TradeStation Performance Summary Expand

All Trades

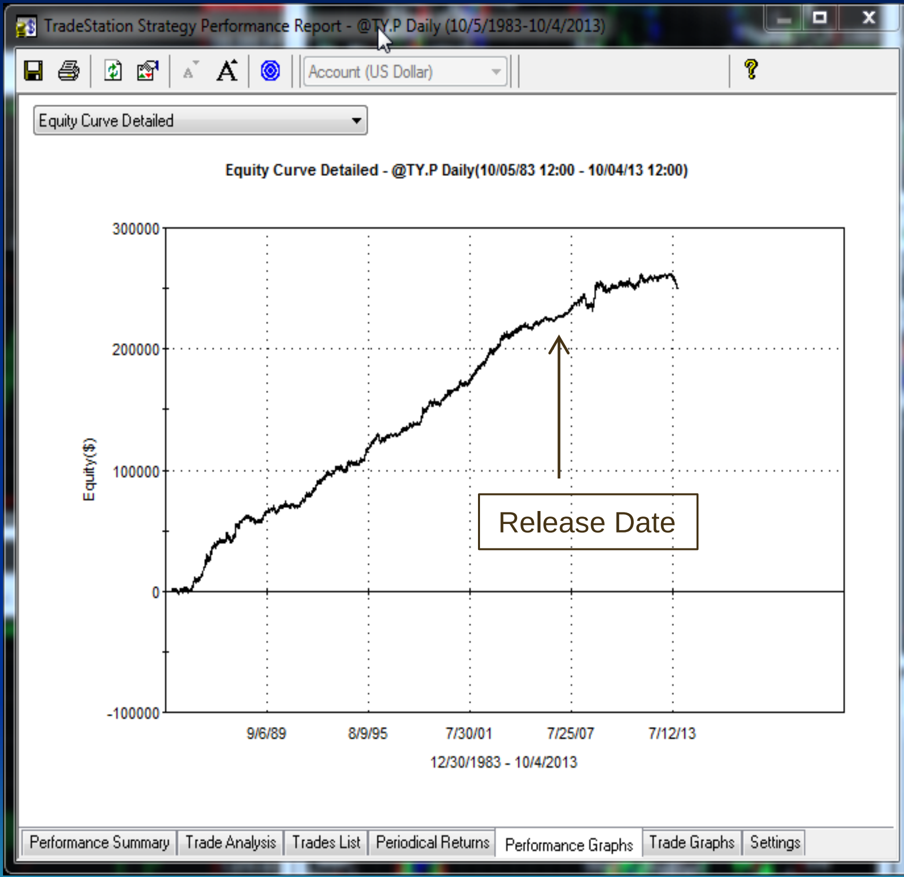
Total Net Profit	$133,125.0000	Profit Factor	2.8399
Gross Profit	$205,481.2500	Gross Loss	($72,356.2500)
Total Number of Trades	164	Percent Profitable	57.9268%
Winning Trades	95	Losing Trades	69
Even Trades	0		
Avg. Trade Net Profit	$811.7378	Ratio Avg. Win:Avg. Loss	2.0626
Avg. Winning Trade	$2,162.9605	Avg. Losing Trade	($1,048.6413)
Largest Winning Trade	$24,375.0000	Largest Losing Trade	($7,500.0000)
Max. Consecutive Winning Trades	5	Max. Consecutive Losing Trades	4
Avg. Bars in Winning Trades	14.9263	Avg. Bars in Losing Trades	6.1159
Avg. Bars in Total Trades	11.2195		
Max. Shares/Contracts Held	1	Account Size Required	$11,275.0000
Return on Initial Capital	133.1250%	Annual Rate of Return	2.5193%
Return Retracement Ratio	0.0548	RINA Index	88.9124
Trading Period	33 Yrs, 7 Mths, 3 Dys	Percent of Time in the Market	98.6880%
Max. Equity Run-up	n/a		
Max. Drawdown (Intra-day Peak to Valley)		**Max. Drawdown (Trade Close to Trade Close)**	
Value	($25,775.0000)	Value	($11,275.0000)
Net Profit as % of Drawdown	516.4888%	Net Profit as % of Drawdown	1180.7095%
Max. Trade Drawdown	($13,625.0000)		

Long Trades

Total Net Profit	$44,281.2500	Profit Factor	3.0014

Trading System Lab®

@TY.P Systems



TradeStation Strategy Performance Report - @TY.P Daily (10/5/1983-10/4/2013)

Account (US Dollar) | All data

Display: Table View

TradeStation Performance Summary Expand

All Trades

Total Net Profit	$253,937.5000	Profit Factor	1.8772
Gross Profit	$543,437.5000	Gross Loss	($289,500.0000)
Total Number of Trades	979	Percent Profitable	47.4974%
Winning Trades	465	Losing Trades	503
Even Trades	11		
Avg. Trade Net Profit	$259.3846	Ratio Avg. Win:Avg. Loss	2.0306
Avg. Winning Trade	$1,168.6828	Avg. Losing Trade	($575.5467)
Largest Winning Trade	$15,593.7500	Largest Losing Trade	($3,750.0000)
Max. Consecutive Winning Trades	7	Max. Consecutive Losing Trades	12
Avg. Bars in Winning Trades	12.1957	Avg. Bars in Losing Trades	5.3459
Avg. Bars in Total Trades	8.5975		
Max. Shares/Contracts Held	1	Account Size Required	$12,453.1250
Return on Initial Capital	253.9375%	Annual Rate of Return	4.2467%
Return Retracement Ratio	0.0690	RINA Index	334.4357
Trading Period	29 Yrs, 9 Mths, 4 Dys	Percent of Time in the Market	99.6780%
Max. Equity Run-up	$265,265.6250		
Max. Drawdown (Intra-day Peak to Valley)		**Max. Drawdown (Trade Close to Trade Close)**	
Value	($14,125.0000)	Value	($12,453.1250)
Net Profit as % of Drawdown	1797.7876%	Net Profit as % of Drawdown	2039.1468%
Max. Trade Drawdown	($5,187.5000)		

Long Trades

Total Net Profit	$196,265.6250	Profit Factor	2.2259

Performance Summary | Trade Analysis | Trades List | Periodical Returns | Performance Graphs | Trade Graphs | Settings

Trading System Lab®

EVOLUTION FAILURES

- A low TTPR is suspicious
- Insufficient data
- Daytrading systems with small data sets
- Forward OOS on recent markets
- PP4 with older TSL version(pre 1.3.1)
- Too much OOS