

Percent Exposure Donchian Channel (CSS)

Enter top 6 Momentum1 Markets / Enter bottom 3 Momentum2 Markets

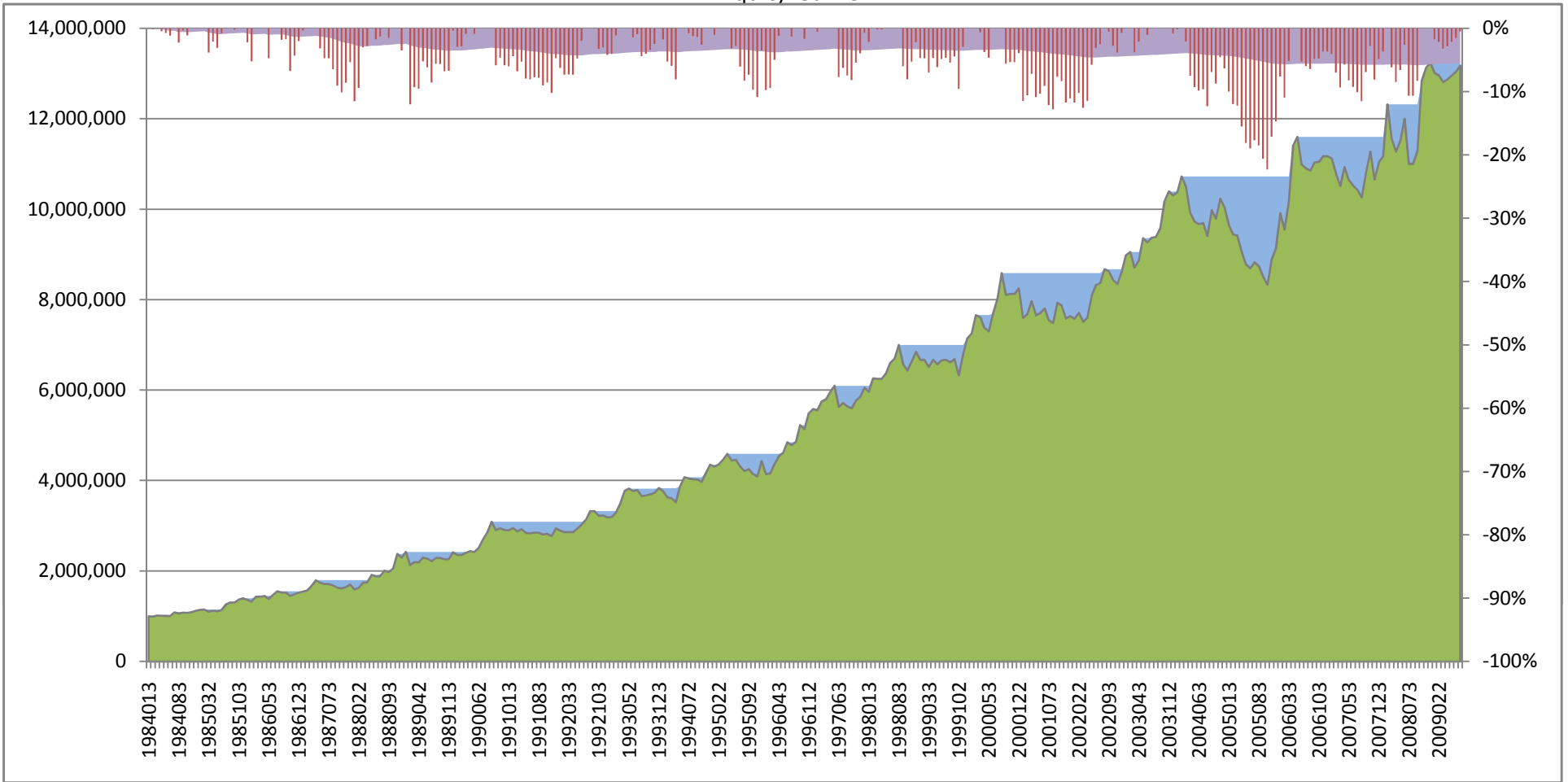
Start Date	19840103
End Date	20090818
Trade Days	6449
Trade Years	25.59

	Long	Short	Total
Trades	1353	1320	2673
Wins	450	449	899
Winning %	33%	34%	34%
N's Won	3276	2522	5798
N's Lost	-1735	-1584	-3319
Total N	1541	938	2479
Average Win	7.28	5.62	6.45
Average Loss	-1.92	-1.82	-1.87

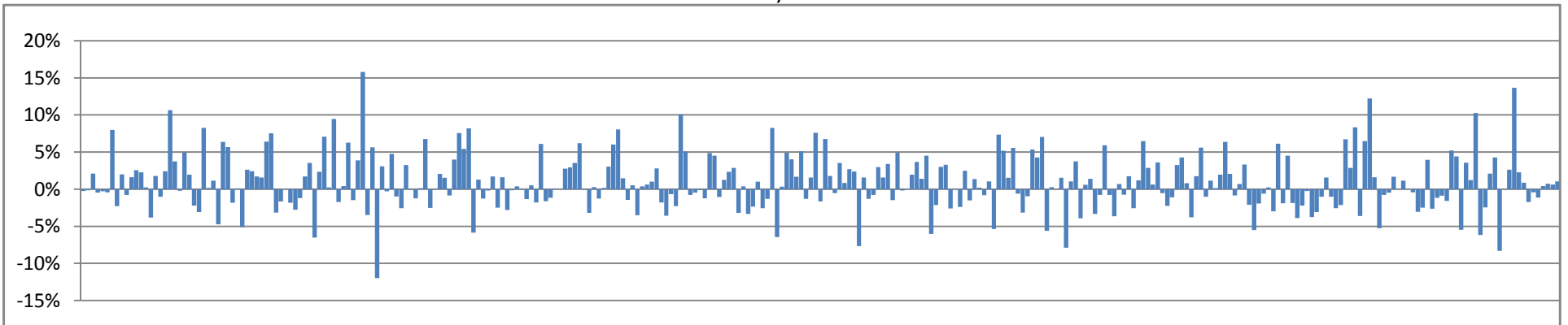
	Month	Year
Winning	173	22
Losing	134	4
Best	16%	35%
Worst	-12%	-9%

CAGR		10.75%
Max DD	20051101	-23.87%
MAR		0.45
Lake Ratio		8.57%
R-Squared		0.97
Sharpe Ratio		0.85
Total Return		1292%
Starting Equity	\$	1,000,000
Ending Equity	\$	13,918,987

Equity Curve



Monthly Returns



Monthly Returns

Year	Jan	Feb	Mar	Apr	May	Jul	Aug	Sep	Oct	Nov	Dec	Total	
1984	-0.23%	-0.13%	2.10%	-0.46%	-0.28%	-0.42%	7.99%	-2.27%	2.01%	-0.79%	1.62%	2.56%	11.91%
1985	2.28%	.22%	-3.81%	1.77%	-1.01%	2.40%	10.66%	3.75%	-0.20%	4.94%	1.97%	-2.22%	21.94%
1986	-3.09%	8.25%	.17%	1.15%	-4.72%	6.37%	5.66%	-1.83%	.09%	-5.11%	2.62%	2.40%	11.51%
1987	1.72%	1.57%	6.40%	7.53%	-3.15%	-1.65%	.02%	-1.82%	-2.78%	-1.18%	1.72%	3.55%	11.89%
1988	-6.53%	2.35%	7.08%	.25%	9.45%	-1.72%	.43%	6.25%	-1.46%	3.87%	15.78%	-3.49%	34.82%
1989	5.62%	-12.00%	3.08%	-.27%	4.76%	-.98%	-2.56%	3.26%	-.07%	-1.23%	.12%	6.75%	5.21%
1990	-2.52%	.05%	2.06%	1.55%	-.85%	3.99%	7.57%	5.42%	8.20%	-5.85%	1.28%	-1.27%	20.37%
1991	-.17%	1.72%	-2.49%	1.61%	-2.81%	-.14%	.39%	-.09%	-1.33%	.53%	-1.80%	6.08%	1.20%
1992	-1.60%	-1.16%	.06%	-.05%	2.76%	2.92%	3.53%	6.20%	-.04%	-3.20%	.26%	-1.26%	8.34%
1993	.18%	3.05%	6.03%	8.04%	1.45%	-1.43%	.53%	-3.52%	.40%	.61%	1.00%	2.81%	20.30%
1994	-1.78%	-3.56%	-.68%	-2.29%	10.10%	5.07%	-.79%	-.45%	-.12%	-1.23%	4.85%	4.51%	13.52%
1995	-1.04%	1.25%	2.35%	2.85%	-3.18%	.38%	-3.35%	-2.36%	1.03%	-2.57%	-1.28%	8.26%	1.77%
1996	-6.45%	.34%	4.91%	4.01%	1.66%	5.09%	-1.32%	1.56%	7.59%	-1.66%	6.75%	1.78%	26.08%
1997	-.54%	3.53%	.83%	2.71%	2.37%	-7.69%	1.57%	-1.30%	-.78%	2.99%	1.56%	3.41%	8.41%
1998	-1.48%	4.93%	-.17%	-.02%	1.96%	3.68%	1.38%	4.51%	-6.02%	-2.16%	3.01%	3.29%	13.08%
1999	-2.60%	-.01%	-2.40%	2.49%	-1.50%	1.35%	.19%	-.82%	1.04%	-5.36%	7.36%	5.19%	4.38%
2000	1.53%	5.56%	-.60%	-3.15%	-.96%	5.37%	4.25%	7.05%	-5.60%	.27%	.00%	1.52%	15.46%
2001	-7.88%	1.04%	3.75%	-3.94%	.60%	1.38%	-3.33%	-.79%	5.93%	-.78%	-3.66%	.71%	-7.47%
2002	-.75%	1.73%	-2.58%	1.18%	6.46%	2.86%	.62%	3.60%	-.53%	-2.24%	-1.08%	3.25%	12.83%
2003	4.26%	.81%	-3.79%	1.76%	5.59%	-1.03%	1.17%	.15%	1.97%	6.37%	2.08%	-.83%	19.63%
2004	.71%	3.32%	-2.12%	-5.50%	-1.93%	-.60%	.25%	-2.98%	6.13%	-1.91%	4.53%	-1.87%	-2.56%
2005	-3.89%	-2.20%	-.27%	-3.74%	-3.09%	-1.04%	1.58%	-1.04%	-2.55%	-2.16%	6.71%	2.88%	-8.93%
2006	8.35%	-3.60%	6.48%	12.21%	1.62%	-5.26%	-.77%	-.46%	1.68%	.08%	1.15%	.02%	22.17%
2007	-.44%	-3.05%	-2.50%	3.96%	-2.63%	-1.15%	-.88%	-1.59%	5.20%	4.42%	-5.48%	3.56%	-1.23%
2008	1.24%	10.25%	-6.19%	-2.45%	2.10%	4.27%	-8.31%	.00%	2.63%	13.65%	2.28%	.87%	19.98%
2009	-1.71%	-.42%	-1.12%	.42%	.72%	.62%	1.05%						5.13%

Strategy 1

Market	Trades	Wins	W%	Long				Short						
				N's Won	N's Lost	Total	RR	Trades	Wins	W%	N's Won	N's Lost	Total	RR
ES	14	8	57%	10	-9	1	1.12	8	3	38%	2	-8	-6	0.23
NQ	5	1	20%	3	-6	-3	0.51	7	2	29%	2	-4	-2	0.48
TF	5	1	20%	3	-7	-4	0.44	4	2	50%	3	-4	-1	0.73
GC	14	0	0%	0	-26	-26	0.00	38	21	55%	82	-27	55	3.05
SI	11	5	45%	10	-9	0	1.01	27	10	37%	21	-25	-4	0.84
HG	22	10	45%	67	-24	43	2.78	16	5	31%	28	-21	7	1.31
CL	29	16	55%	53	-21	32	2.52	12	5	42%	15	-9	6	1.71
HO	31	14	45%	101	-32	70	3.19	19	6	32%	14	-28	-14	0.51
NG	18	8	44%	53	-21	32	2.55	25	11	44%	59	-19	40	3.06
RB	6	3	50%	2	-4	-2	0.54	1	1	100%	8	0	8	8.33
ZC	6	1	17%	0	-10	-9	0.03	9	6	67%	20	-4	16	4.74
CC	15	7	47%	18	-14	4	1.27	41	14	34%	39	-40	-1	0.98
CT	25	8	32%	38	-27	11	1.40	34	11	32%	24	-36	-11	0.68
KC	17	5	29%	32	-19	13	1.69	30	14	47%	30	-19	12	1.62
ZW	3	0	0%	0	-7	-7	0.00	14	5	36%	3	-12	-9	0.26
LE	39	11	28%	13	-49	-36	0.26	18	7	39%	20	-21	0	0.98
HE	30	12	40%	30	-30	1	1.03	19	8	42%	54	-16	38	3.31
ZS	9	4	44%	13	-9	4	1.43	3	1	33%	3	-3	0	0.95
SB	9	4	44%	37	-6	31	5.87	9	4	44%	3	-8	-5	0.37
AUD	31	11	35%	71	-36	35	1.98	6	1	17%	3	-9	-6	0.34
GBP	36	15	42%	72	-36	35	1.97	12	3	25%	13	-14	-1	0.94
JPY	20	6	30%	35	-24	11	1.48	22	12	55%	37	-14	24	2.74
EUR	13	4	31%	13	-13	0	1.00	3	2	67%	2	-2	0	1.17
CHF	24	8	33%	42	-25	17	1.69	21	11	52%	46	-15	31	3.10
Strategy	432	162	38%	715	-463	252	1.54	398	165	41%	534	-358	176	1.49

	Trades	Wins	W%	N's Won	N's Lost	Total	RR
Strategy Total	830	327	39%	1250	-821	360	1.52

Strategy 2

Market	Trades	Wins	W%	Long				Short						
				N's Won	N's Lost	Total	RR	Trades	Wins	W%	N's Won	N's Lost	Total	RR
ES	7	2	29%	8	-6	2	1.42	3	2	67%	2	-1	1	1.76
NQ	5	2	40%	1	-6	-5	0.16	6	1	17%	3	-5	-2	0.57
TF	5	2	40%	6	-6	0	0.96	5	2	40%	5	-6	-1	0.79
GC	8	2	25%	7	-17	-10	0.42	16	8	50%	70	-18	52	3.88
SI	8	0	0%	0	-16	-16	0.00	12	1	8%	1	-18	-18	0.03
HG	11	3	27%	80	-15	65	5.27	7	2	29%	18	-9	9	1.97
CL	11	5	45%	46	-12	33	3.72	7	2	29%	3	-11	-8	0.29
HO	13	6	46%	39	-16	24	2.52	11	4	36%	11	-20	-8	0.58
NG	5	3	60%	18	-2	16	7.45	12	6	50%	70	-11	59	6.34
RB	1	1	100%	1	0	1	1.17	1	1	100%	4	0	4	4.48
ZC	1	1	100%	1	0	1	0.58	9	4	44%	24	-14	10	1.74
CC	9	1	11%	7	-14	-7	0.51	21	4	19%	27	-36	-9	0.74
CT	5	3	60%	54	-4	50	13.50	14	4	29%	14	-17	-2	0.88
KC	8	1	13%	0	-15	-15	0.00	18	5	28%	20	-25	-6	0.77
ZW	1	0	0%	0	-2	-2	0.00	7	1	14%	4	-13	-9	0.30
LE	19	6	32%	59	-25	34	2.35	9	2	22%	14	-12	2	1.12
HE	20	3	15%	12	-36	-24	0.34	12	6	50%	28	-7	21	3.90
ZS	8	3	38%	34	-8	26	4.10	1	0	0%	0	0	0	0.00
SB	4	1	25%	20	-6	13	3.11	5	0	0%	0	-8	-8	0.00
AUD	17	6	35%	65	-22	44	3.00	2	1	50%	1	-3	-3	0.19
GBP	14	8	57%	97	-9	87	10.55	6	3	50%	54	-5	49	9.84
JPY	10	5	50%	29	-10	19	2.91	11	4	36%	18	-14	4	1.28
EUR	4	1	25%	2	-5	-3	0.36	2	1	50%	17	-2	15	8.21
CHF	10	4	40%	55	-12	43	4.59	10	6	60%	75	-9	65	8.12

Strategy	204	69	34%	642	-266	376	2.42	207	70	34%	482	-267	215	1.81
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	Trades	Wins	W%	N's Won	N's Lost	Total	RR
Strategy Total	411	139	34%	1124	-533	432	2.11

Strategy 3

Market	Trades	Wins	W%	Long				Short						
				N's Won	N's Lost	Total	RR	Trades	Wins	W%	N's Won	N's Lost	Total	RR
ES	10	3	30%	10	-12	-2	0.83	6	0	0%	0	-10	-10	0.00
NQ	9	2	22%	7	-13	-6	0.54	5	0	0%	0	-8	-8	0.00
TF	10	2	20%	11	-16	-5	0.70	4	1	25%	0	-6	-6	0.08
GC	10	1	10%	22	-16	6	1.37	22	5	23%	127	-36	91	3.56
SI	11	1	9%	2	-23	-21	0.11	24	8	33%	27	-35	-8	0.77
HG	12	4	33%	109	-17	92	6.35	9	1	11%	8	-15	-7	0.54
CL	23	9	39%	128	-31	97	4.12	9	4	44%	38	-12	27	3.28
HO	18	8	44%	115	-18	97	6.26	8	5	63%	16	-6	10	2.82
NG	8	3	38%	26	-13	13	1.99	17	3	18%	18	-31	-14	0.57
RB	3	0	0%	0	-5	-5	0.00	1	0	0%	0	-2	-2	0.00
ZC	3	0	0%	0	-6	-6	0.00	9	2	22%	8	-14	-6	0.58
CC	11	1	9%	21	-22	-1	0.95	31	8	26%	46	-51	-5	0.90
CT	14	5	36%	59	-17	41	3.40	24	7	29%	52	-29	23	1.79
KC	7	4	57%	77	-6	72	13.42	31	4	13%	37	-53	-16	0.69
ZW	5	1	20%	5	-8	-3	0.59	10	3	30%	9	-16	-7	0.58
LE	30	6	20%	54	-46	7	1.16	16	4	25%	37	-27	10	1.37
HE	25	6	24%	62	-39	23	1.59	19	6	32%	49	-27	21	1.77
ZS	8	4	50%	38	-8	30	4.69	4	0	0%	0	-7	-7	0.00
SB	3	2	67%	31	-2	29	14.96	8	1	13%	0	-14	-14	0.01
AUD	23	8	35%	116	-36	80	3.19	7	1	14%	29	-13	16	2.21
GBP	33	8	24%	72	-52	19	1.37	9	2	22%	42	-14	28	2.98
JPY	17	8	47%	51	-19	33	2.72	16	9	56%	61	-13	48	4.73
EUR	7	3	43%	33	-8	25	4.00	1	1	100%	13	0	13	13.12
CHF	13	7	54%	57	-13	44	4.37	17	4	24%	69	-25	43	2.73
Strategy	313	96	31%	1107	-449	658	2.46	307	79	26%	686	-465	221	1.48

	Trades	Wins	W%	N's Won	N's Lost	Total	RR
Strategy Total	620	175	28%	1793	-914	460	1.96

Strategy 4

Market	Trades	Wins	W%	Long				Short						
				N's Won	N's Lost	Total	RR	Trades	Wins	W%	N's Won	N's Lost	Total	RR
ES	10	5	50%	7	-7	0	1.02	9	2	22%	1	-14	-13	0.07
NQ	11	4	36%	5	-8	-3	0.60	5	3	60%	8	-1	8	16.17
TF	9	3	33%	15	-10	5	1.50	6	2	33%	4	-7	-4	0.50
GC	22	6	27%	43	-40	3	1.08	6	1	17%	1	-9	-8	0.13
SI	11	2	18%	10	-25	-15	0.40	2	0	0%	0	-3	-3	0.00
HG	12	4	33%	22	-14	8	1.54	15	7	47%	31	-16	15	1.90
CL	7	5	71%	18	-4	14	4.37	19	6	32%	35	-18	17	1.91
HO	5	1	20%	4	-7	-3	0.56	12	2	17%	19	-15	4	1.27
NG	16	7	44%	53	-18	35	2.88	10	5	50%	51	-9	42	5.67
RB	8	4	50%	11	-5	6	2.20	5	3	60%	23	-3	19	6.93
ZC	10	0	0%	0	-18	-18	0.00	6	3	50%	16	-6	10	2.67
CC	22	3	14%	16	-35	-19	0.47	6	2	33%	16	-6	10	2.52
CT	12	6	50%	12	-12	1	1.05	11	5	45%	14	-11	3	1.31
KC	19	6	32%	22	-24	-2	0.91	15	5	33%	17	-17	0	1.01
ZW	12	1	8%	2	-24	-22	0.07	13	3	23%	1	-18	-17	0.07
LE	1	0	0%	0	-2	-2	0.00	16	5	31%	36	-21	15	1.70
HE	5	2	40%	10	-2	8	4.18	6	2	33%	11	-8	3	1.38
ZS	5	3	60%	10	-3	7	3.78	6	4	67%	8	-4	4	1.94
SB	6	1	17%	2	-7	-5	0.27	7	1	14%	5	-12	-7	0.45
AUD	8	5	63%	27	-8	19	3.57	14	2	14%	2	-26	-25	0.07
GBP	4	1	25%	2	-6	-3	0.42	11	2	18%	13	-12	2	1.14
JPY	8	3	38%	16	-8	7	1.90	10	5	50%	36	-10	26	3.73
EUR	5	4	80%	24	-1	23	18.89	9	3	33%	3	-10	-7	0.29
CHF	7	2	29%	8	-9	0	0.97	6	2	33%	2	-8	-6	0.28
Strategy	235	78	33%	340	-298	42	1.14	225	75	33%	353	-265	88	1.33

	Trades	Wins	W%	N's Won	N's Lost	Total	RR
Strategy Total	460	153	33%	693	-563	181	1.23

Strategy 5

Market	Trades	Wins	W%	Long				Short						
				N's Won	N's Lost	Total	RR	Trades	Wins	W%	N's Won	N's Lost	Total	RR
ES	4	1	25%	7	-6	1	1.20	6	0	0%	0	-11	-11	0.00
NQ	3	0	0%	0	-6	-6	0.00	3	1	33%	3	-3	0	0.97
TF	4	1	25%	26	-6	20	4.21	5	2	40%	5	-6	-2	0.75
GC	6	0	0%	0	-16	-16	0.00	0	0	0%	0	0	0	0.00
SI	7	0	0%	0	-19	-19	0.00	0	0	0%	0	0	0	0.00
HG	4	3	75%	22	-2	20	10.68	8	2	25%	19	-12	7	1.58
CL	3	2	67%	19	-3	17	7.08	7	3	43%	23	-8	15	2.75
HO	3	1	33%	2	-4	-3	0.37	9	4	44%	14	-11	3	1.29
NG	6	4	67%	53	-4	49	13.40	3	3	100%	64	0	64	21.46
RB	2	2	100%	9	0	9	4.68	3	2	67%	14	-2	12	6.68
ZC	5	1	20%	1	-8	-8	0.07	2	2	100%	10	0	10	5.10
CC	9	1	11%	4	-16	-12	0.26	5	2	40%	15	-6	9	2.50
CT	4	0	0%	0	-5	-5	0.00	4	2	50%	3	-4	-1	0.79
KC	7	0	0%	0	-14	-14	0.00	6	1	17%	5	-5	0	0.98
ZW	1	0	0%	0	-2	-2	0.00	5	1	20%	4	-8	-4	0.48
LE	1	0	0%	0	-2	-2	0.00	4	2	50%	19	-3	16	5.73
HE	1	0	0%	0	-2	-2	0.00	5	4	80%	41	-2	39	19.66
ZS	5	2	40%	14	-6	9	2.52	2	0	0%	0	-2	-2	0.00
SB	4	1	25%	20	-6	13	3.11	4	1	25%	0	-6	-5	0.05
AUD	3	1	33%	7	-5	2	1.43	3	0	0%	0	-6	-6	0.00
GBP	0	0	0%	0	0	0	0.00	2	1	50%	0	-2	-2	0.07
JPY	4	0	0%	0	-10	-10	0.00	6	2	33%	46	-7	39	6.67
EUR	3	0	0%	0	-6	-6	0.00	5	3	60%	29	-4	25	7.28
CHF	4	2	50%	39	-4	35	9.60	2	1	50%	22	-2	20	9.70
Strategy	93	22	24%	222	-153	69	1.45	99	39	39%	337	-113	224	2.99

	Trades	Wins	W%	N's Won	N's Lost	Total	RR
Strategy Total	192	61	32%	559	-266	460	2.11

Strategy 6

Market	Trades	Wins	W%	Long				Short						
				N's Won	N's Lost	Total	RR	Trades	Wins	W%	N's Won	N's Lost	Total	RR
ES	7	2	29%	5	-10	-5	0.54	3	0	0%	0	-6	-6	0.00
NQ	5	2	40%	12	-6	6	1.94	2	1	50%	10	-2	8	5.03
TF	4	1	25%	21	-6	15	3.42	2	0	0%	0	-4	-4	0.00
GC	2	1	50%	5	-2	3	2.40	1	0	0%	0	-2	-2	0.00
SI	1	1	100%	2	0	2	1.87	1	0	0%	0	-2	-2	0.00
HG	7	2	29%	16	-10	5	1.51	6	2	33%	9	-8	1	1.16
CL	6	2	33%	4	-8	-4	0.50	9	3	33%	36	-13	23	2.77
HO	4	0	0%	0	-9	-9	0.00	3	3	100%	1	0	1	0.26
NG	3	1	33%	23	-4	19	5.35	4	1	25%	4	-7	-2	0.67
RB	6	1	17%	3	-10	-6	0.32	2	1	50%	5	-2	3	2.38
ZC	4	0	0%	0	-8	-8	0.00	2	1	50%	2	-2	-1	0.74
CC	3	0	0%	0	-6	-6	0.00	1	1	100%	9	0	9	9.01
CT	1	0	0%	0	-2	-2	0.00	8	2	25%	7	-11	-4	0.61
KC	2	1	50%	40	-2	38	19.16	5	0	0%	0	-9	-9	0.00
ZW	0	0	0%	0	0	0	0.00	7	2	29%	2	-9	-7	0.21
LE	0	0	0%	0	0	0	0.00	6	2	33%	18	-8	9	2.14
HE	2	2	100%	24	0	24	11.83	7	1	14%	17	-12	5	1.40
ZS	4	1	25%	15	-6	9	2.47	3	0	0%	0	-6	-6	0.00
SB	3	2	67%	16	-2	14	7.61	1	0	0%	0	-2	-2	0.00
AUD	6	2	33%	40	-14	26	2.81	3	0	0%	0	-7	-7	0.00
GBP	2	1	50%	8	-2	6	3.97	2	0	0%	0	-4	-4	0.00
JPY	1	0	0%	0	-1	-1	0.00	1	0	0%	0	-2	-2	0.00
EUR	1	0	0%	0	-2	-2	0.00	4	1	25%	13	-5	8	2.75
CHF	2	1	50%	17	-2	15	8.59	1	0	0%	0	-1	-1	0.00
Strategy	76	23	30%	250	-114	136	2.19	84	21	25%	133	-125	7	1.06

	Trades	Wins	W%	N's Won	N's Lost	Total	RR
Strategy Total	160	44	28%	383	-240	12	1.60