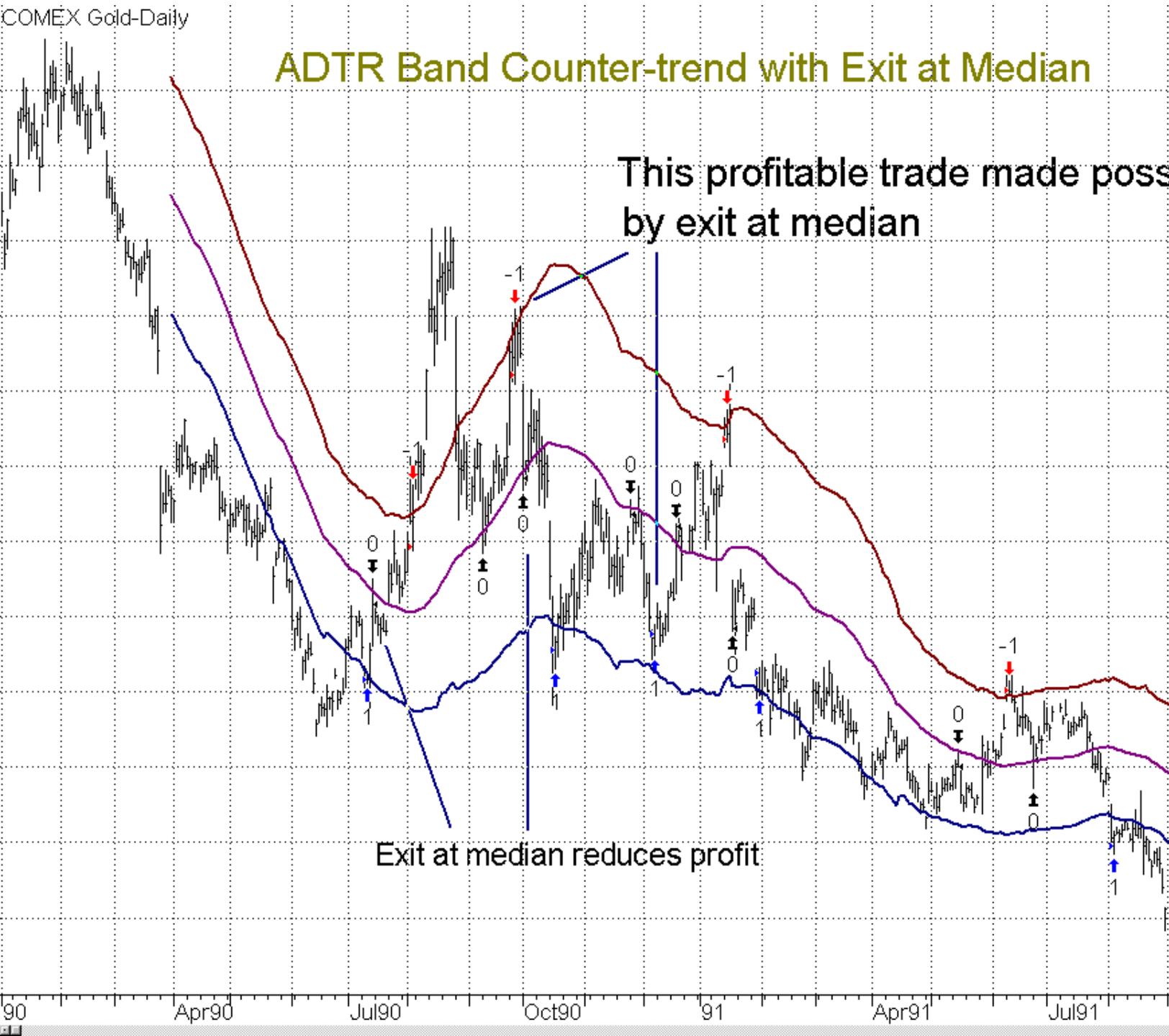


COMEX Gold-Daily

## ADTR Band Counter-trend with Exit at Median

This profitable trade made possible by exit at median



Exit at median reduces profit

COMEX Gold-Daily

Exit at median significantly reduces profit during choppy trading range



COMEX Gold-Daily

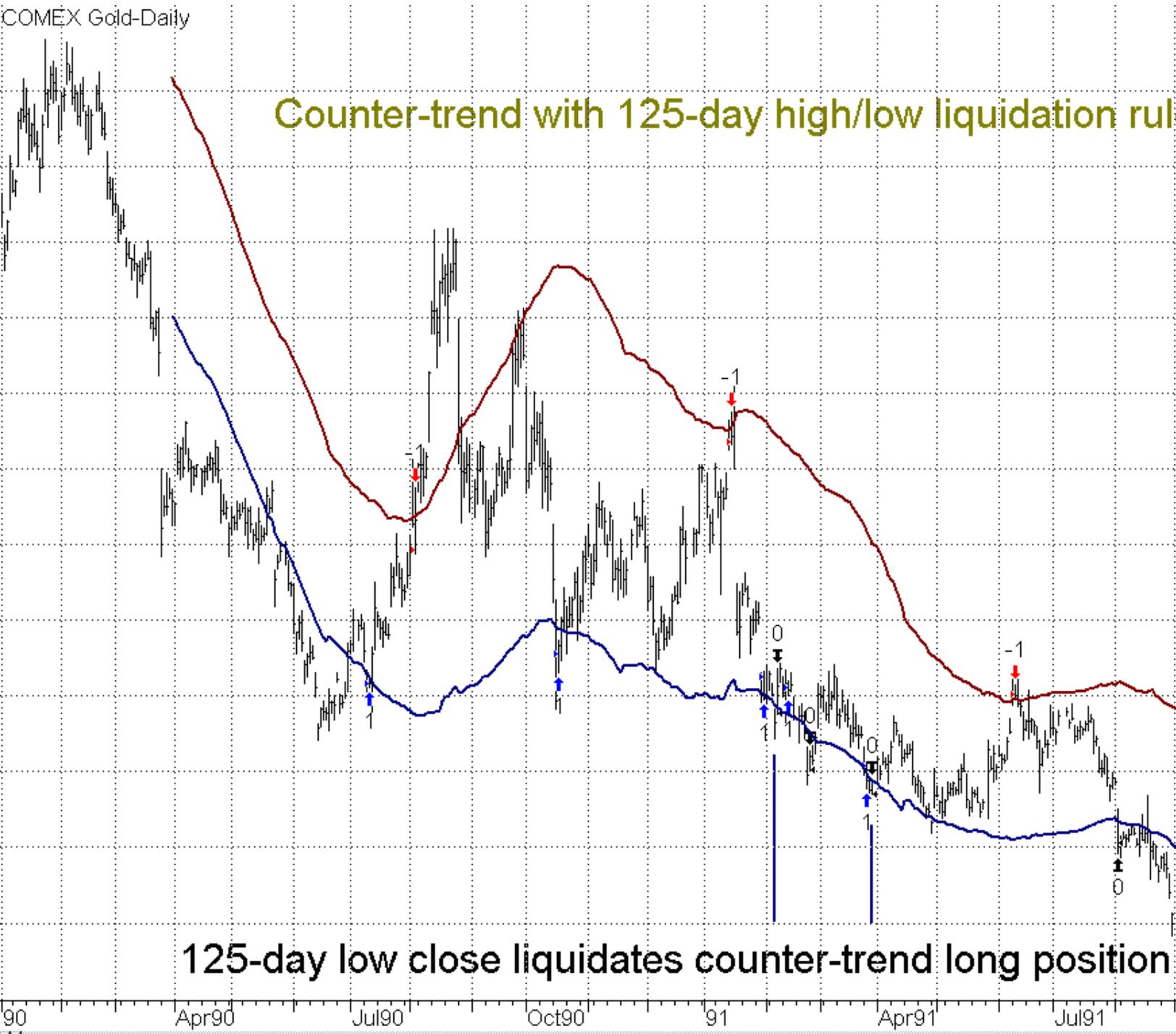


Exit at median reduces loss

during strong trending periods

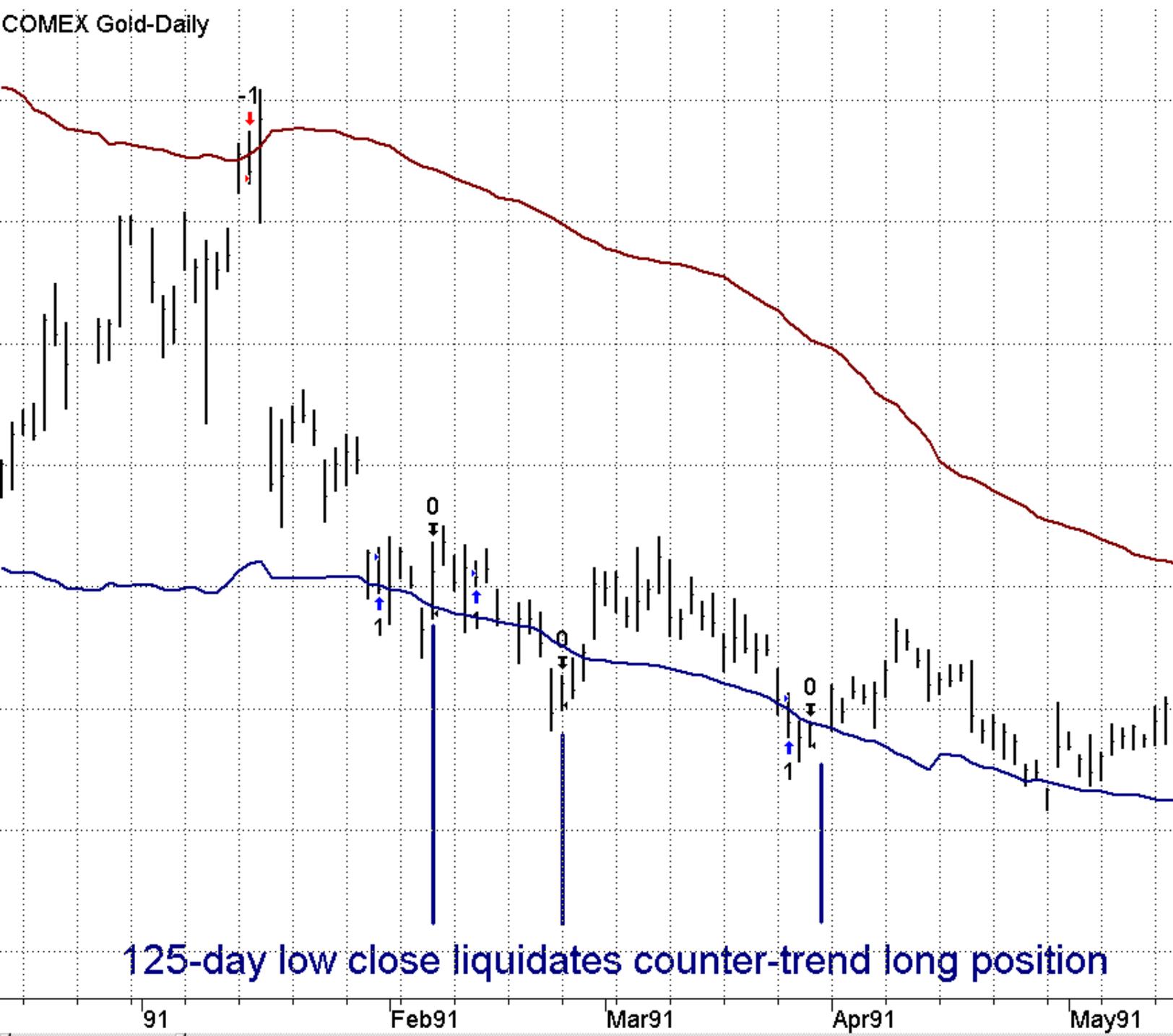
COMEX Gold-Daily

Counter-trend with 125-day high/low liquidation rule



125-day low close liquidates counter-trend long position

COMEX Gold-Daily



125-day low close liquidates counter-trend long position

91

Feb91

Mar91

Apr91

May91

COMEX Gold-Daily



COMEX Gold-Daily



Note: re-entry shortly after  
being stopped out

Note re-entries right after  
system stopped out

COMEX Gold-Daily



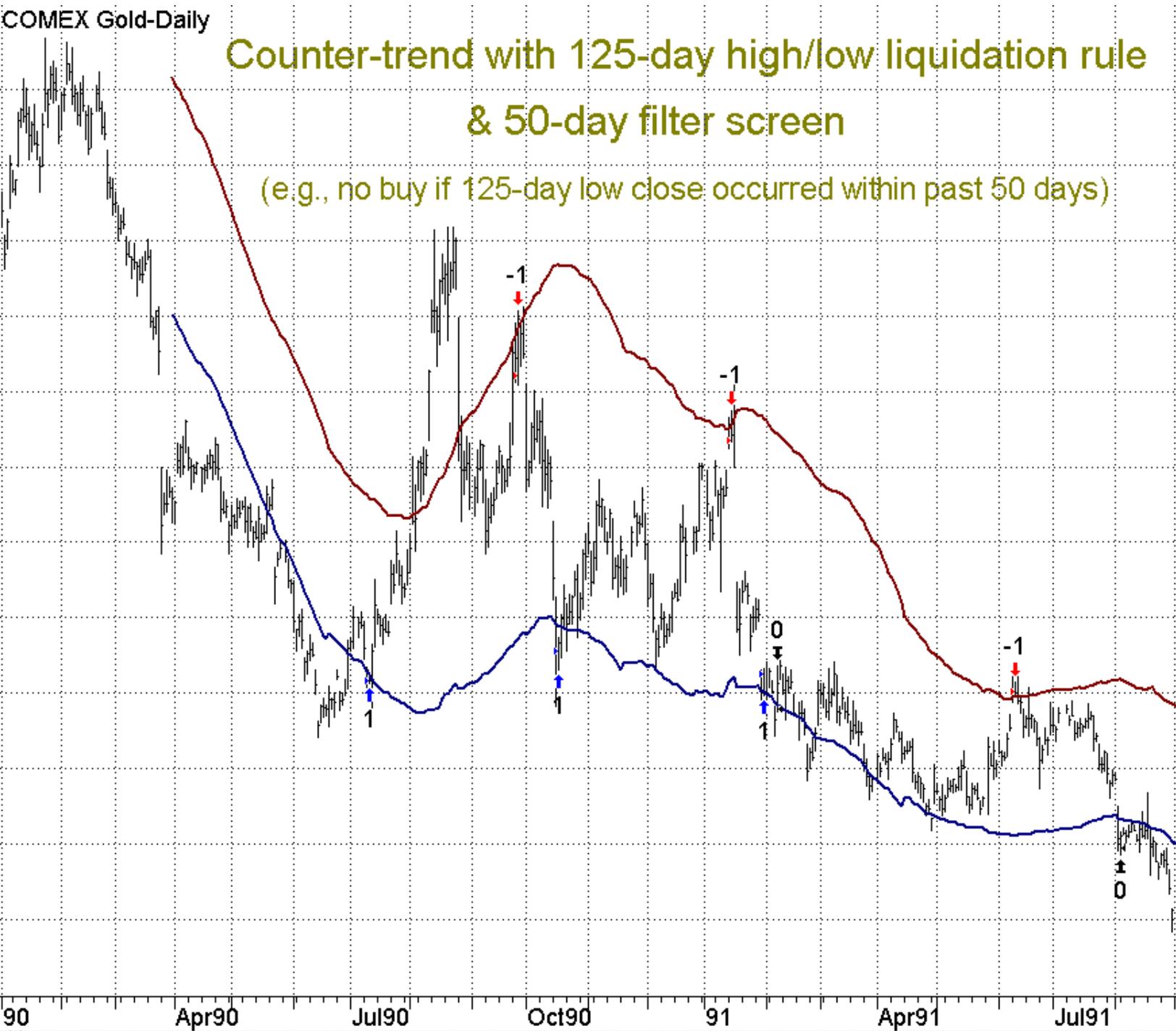
COMEX Gold-Daily



COMEX Gold-Daily

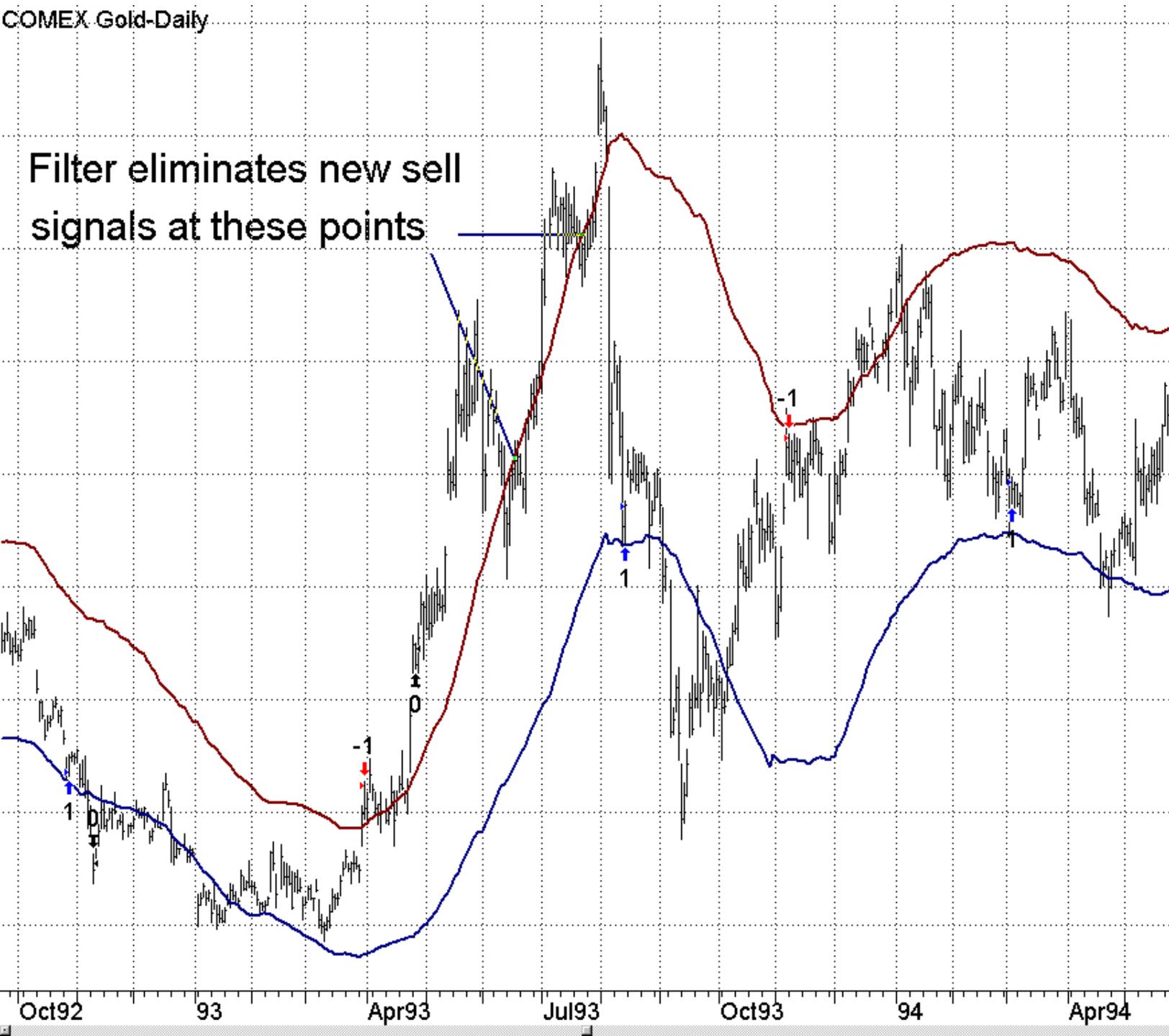
## Counter-trend with 125-day high/low liquidation rule & 50-day filter screen

(e.g., no buy if 125-day low close occurred within past 50 days)

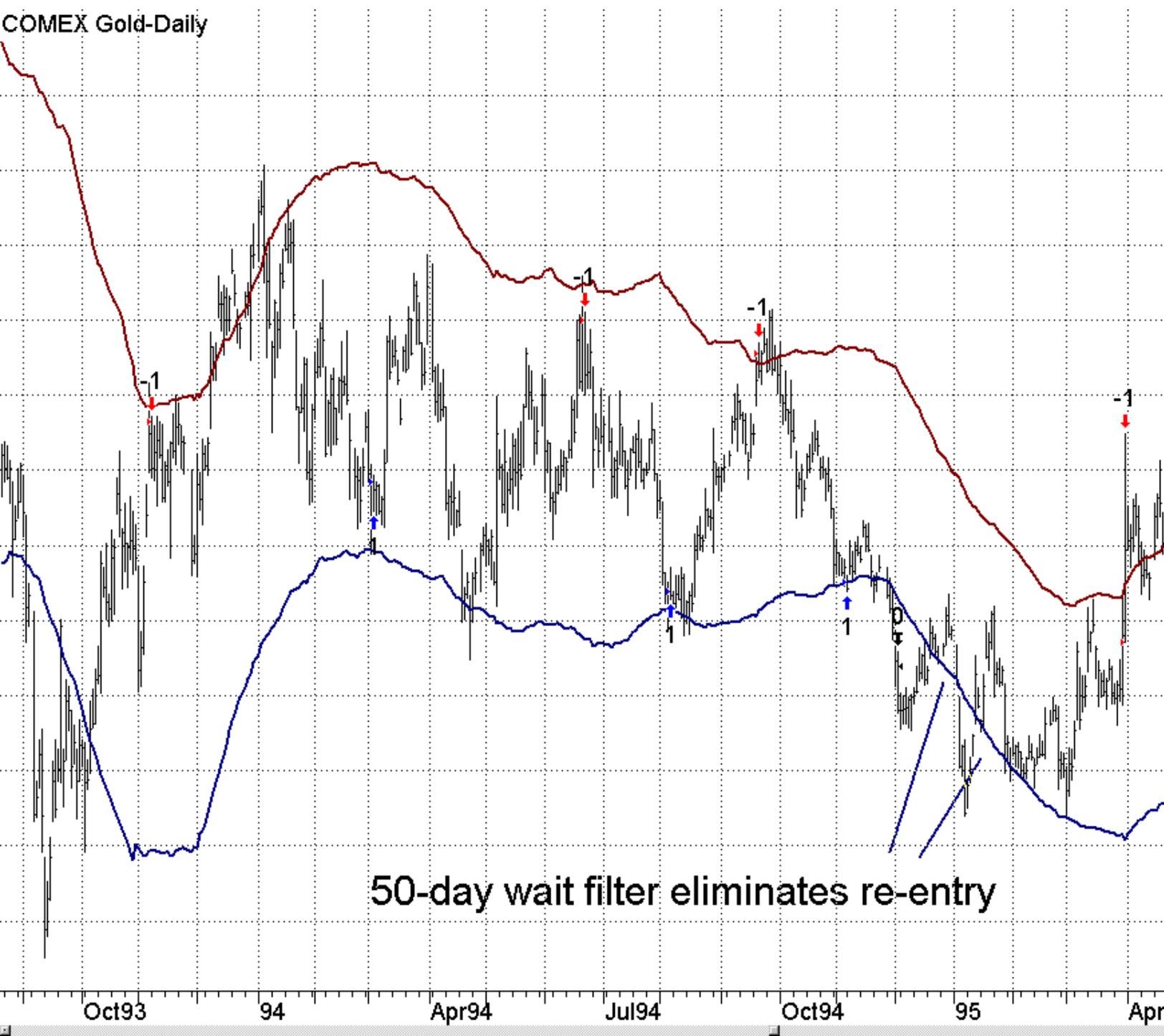


COMEX Gold-Daily

Filter eliminates new sell signals at these points



COMEX Gold-Daily



50-day wait filter eliminates re-entry

COMEX Gold-Daily

Note: filter avoids repeated buy re-entries during this period

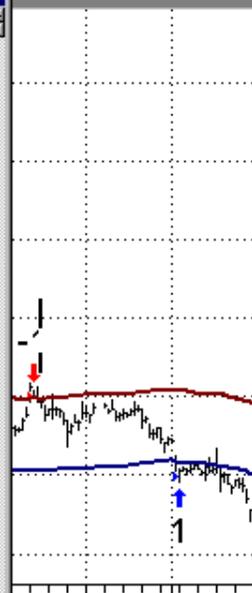


**System Report: Performance Summary**

jsmaband3 COMEX Gold-Daily 01/02/90 - 03/20/98

**Performance Summary: All Trades**

Total net profit	\$ 8660.00	Open position P/L	\$ 0.00
Gross profit	\$ 23720.00	Gross loss	\$ -15060.00
Total # of trades	25	Percent profitable	72%
Number winning trades	18	Number losing trades	7
Largest winning trade	\$ 3060.00	Largest losing trade	\$ -7530.00
Average winning trade	\$ 1317.78	Average losing trade	\$ -2151.43
Ratio avg win/avg loss	0.61	Avg trade(win & loss)	\$ 346.40

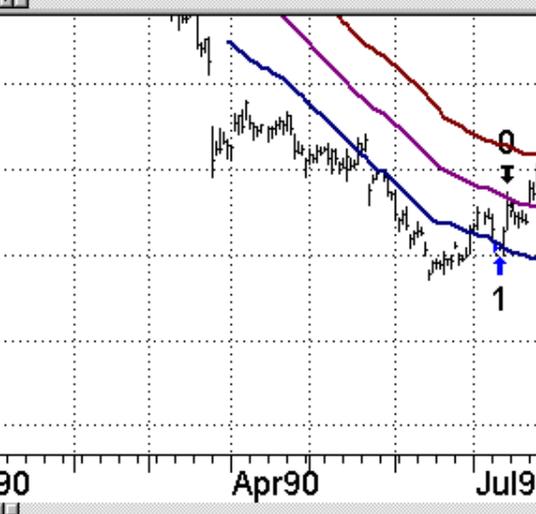


Max consec. winners	6
Avg # bars in winners	50
Max intraday drawdown	\$ -950
Profit factor	1.15
Account size required	\$ 9500

jsmaband3A COMEX Gold-Daily 01/02/90 - 03/20/98

**Performance Summary: All Trades**

Total net profit	\$ 2410.00	Open position P/L	
Gross profit	\$ 18310.00	Gross loss	
Total # of trades	37	Percent profitable	
Number winning trades	22	Number losing trades	
Largest winning trade	\$ 2470.00	Largest losing trade	
Average winning trade	\$ 832.27	Average losing trade	
Ratio avg win/avg loss	0.79	Avg trade(win & loss)	
Max consec. winners	6	Max consec. losers	
Avg # bars in winners	13	Avg # bars in losers	
Max intraday drawdown	\$ -8920.00	Max # contracts held	
Profit factor	1.15	Return on account	
Account size required	\$ 8920.00		



**System Report: Performance Summary**

jsmaband3 COMEX Gold-Daily 01/02/90 - 03/20/98

**Performance Summary: All Trades**

Total net profit	\$ 8660.00	Open position P/L	\$ 0.00
Gross profit	\$ 23720.00	Gross loss	\$ -15060.00
Total # of trades	25	Percent profitable	72%
Number winning trades	18	Number losing trades	7
Largest winning trade	\$ 3060.00	Largest losing trade	\$ -7530.00
Average winning trade	\$ 1317.78	Average losing trade	\$ -2151.43
Ratio avg win/avg loss	0.61	Avg trade(win & loss)	\$ 346.40

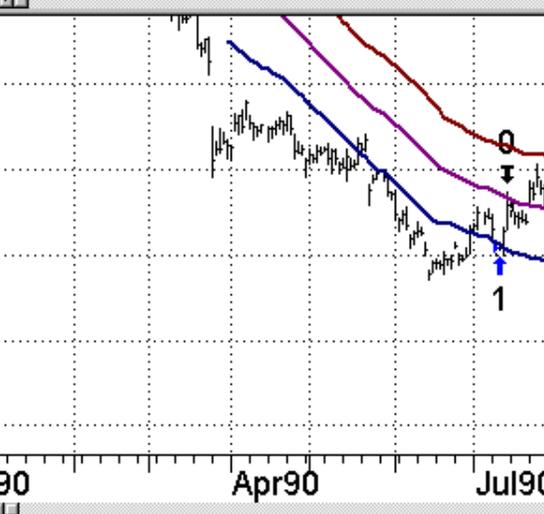


Max consec. winners	6
Avg # bars in winners	50
Max intraday drawdown	\$ -953
Profit factor	1.5
Account size required	\$ 953

jsmaband COMEX Gold-Daily 01/02/90 - 03/20/98

**Performance Summary: All Trades**

Total net profit	\$ 12900.00	Open position P/L	
Gross profit	\$ 27540.00	Gross loss	
Total # of trades	37	Percent profitable	
Number winning trades	19	Number losing trades	
Largest winning trade	\$ 3060.00	Largest losing trade	
Average winning trade	\$ 1449.47	Average losing trade	
Ratio avg win/avg loss	1.78	Avg trade(win & loss)	
Max consec. winners	6	Max consec. losers	
Avg # bars in winners	42	Avg # bars in losers	
Max intraday drawdown	\$ -8620.00	Max # contracts held	
Profit factor	1.88	Return on account	
Account size required	\$ 8620.00		

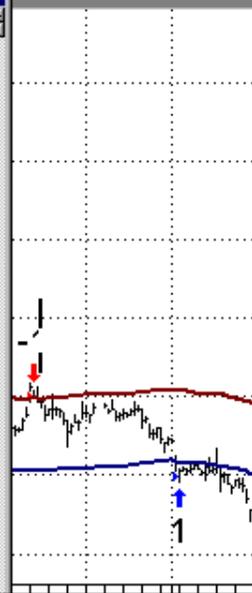


**System Report: Performance Summary**

jsmaband3 COMEX Gold-Daily 01/02/90 - 03/20/98

**Performance Summary: All Trades**

Total net profit	\$ 8660.00	Open position P/L	\$ 0.00
Gross profit	\$ 23720.00	Gross loss	\$ -15060.00
Total # of trades	25	Percent profitable	72%
Number winning trades	18	Number losing trades	7
Largest winning trade	\$ 3060.00	Largest losing trade	\$ -7530.00
Average winning trade	\$ 1317.78	Average losing trade	\$ -2151.43
Ratio avg win/avg loss	0.61	Avg trade(win & loss)	\$ 346.40

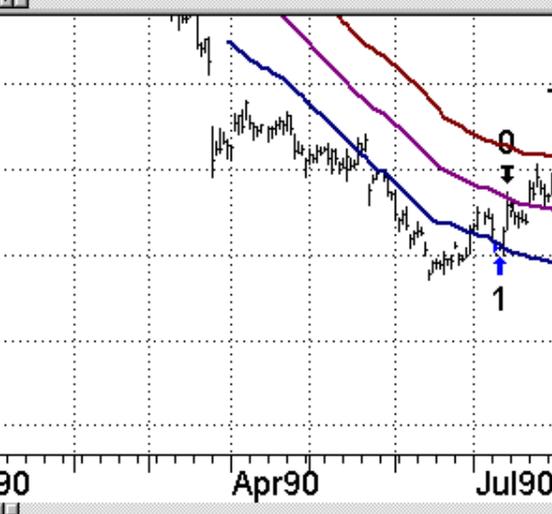


Max consec. winners	6
Avg # bars in winners	50
Max intraday drawdown	\$ -9530.00
Profit factor	1.5
Account size required	\$ 9530.00

jsmaband2B COMEX Gold-Daily 01/02/90 - 03/20/98

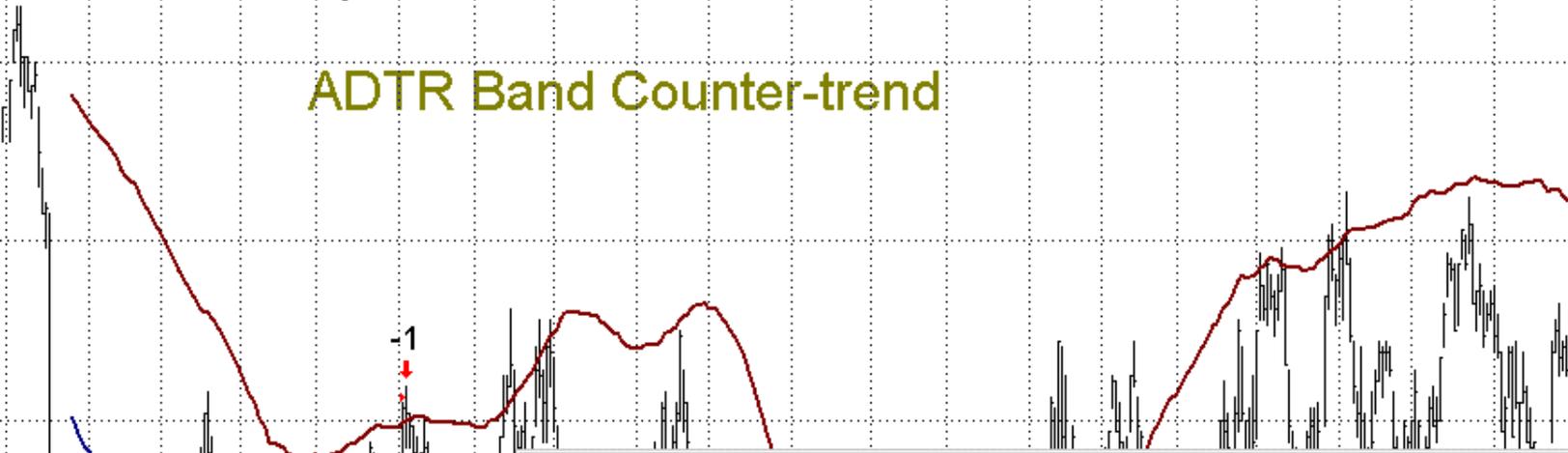
**Performance Summary: All Trades**

Total net profit	\$ 21380.00	Open position P/L	
Gross profit	\$ 27680.00	Gross loss	
Total # of trades	23	Percent profitable	
Number winning trades	15	Number losing trades	
Largest winning trade	\$ 3990.00	Largest losing trade	
Average winning trade	\$ 1845.33	Average losing trade	
Ratio avg win/avg loss	2.34	Avg trade(win & loss)	
Max consec. winners	6	Max consec. losers	
Avg # bars in winners	43	Avg # bars in losers	
Max intraday drawdown	\$ -5230.00	Max # contracts held	
Profit factor	4.39	Return on account	
Account size required	\$ 5230.00		



Aluminum Co Amer-Daily

## ADTR Band Counter-trend



System Report: Performance Summary



jsmaband3 Aluminum Co Amer-Daily 10/26/89 - 04/01/98

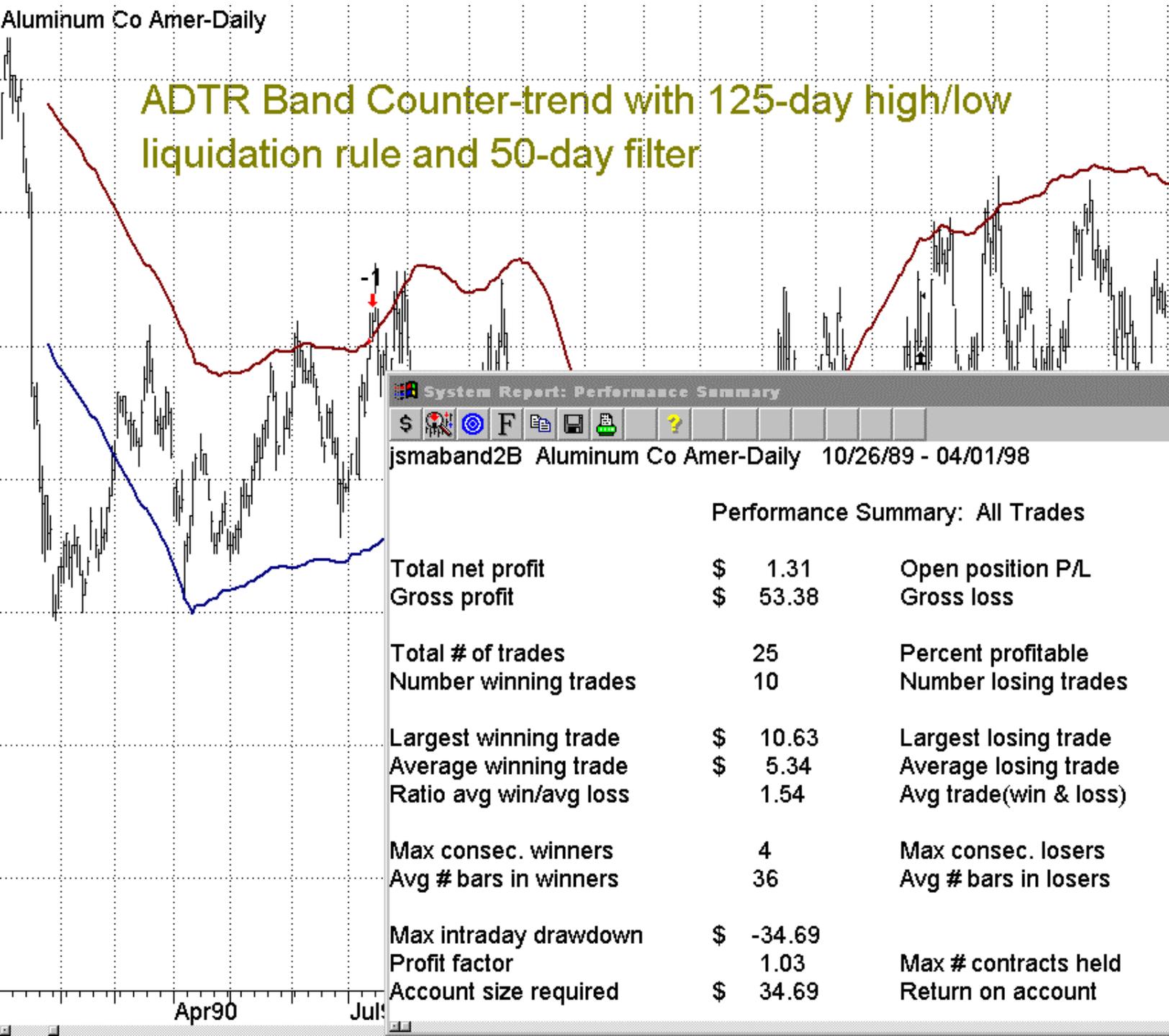
Performance Summary: All Trades

Total net profit	\$ 37.87	Open position P/L
Gross profit	\$ 66.56	Gross loss
Total # of trades	27	Percent profitable
Number winning trades	17	Number losing trades
Largest winning trade	\$ 10.63	Largest losing trade
Average winning trade	\$ 3.92	Average losing trade
Ratio avg win/avg loss	1.36	Avg trade(win & loss)
Max consec. winners	7	Max consec. losers
Avg # bars in winners	51	Avg # bars in losers
Max intraday drawdown	\$ -16.69	
Profit factor	2.32	Max # contracts held
Account size required	\$ 16.69	Return on account

90 Apr90 Jul

Aluminum Co Amer-Daily

ADTR Band Counter-trend with 125-day high/low liquidation rule and 50-day filter



System Report: Performance Summary



jsmaband2B Aluminum Co Amer-Daily 10/26/89 - 04/01/98

Performance Summary: All Trades

Total net profit	\$ 1.31	Open position P/L
Gross profit	\$ 53.38	Gross loss
Total # of trades	25	Percent profitable
Number winning trades	10	Number losing trades
Largest winning trade	\$ 10.63	Largest losing trade
Average winning trade	\$ 5.34	Average losing trade
Ratio avg win/avg loss	1.54	Avg trade(win & loss)
Max consec. winners	4	Max consec. losers
Avg # bars in winners	36	Avg # bars in losers
Max intraday drawdown	\$ -34.69	
Profit factor	1.03	Max # contracts held
Account size required	\$ 34.69	Return on account

Apr90

Jul90

Aluminum Co Amer-Daily

ADTR Band Counter-trend with 125-day high/low liquidation rule and 50-day filter



Aluminum Co Amer-Daily



Note: Stops exit worse than subsequent signals

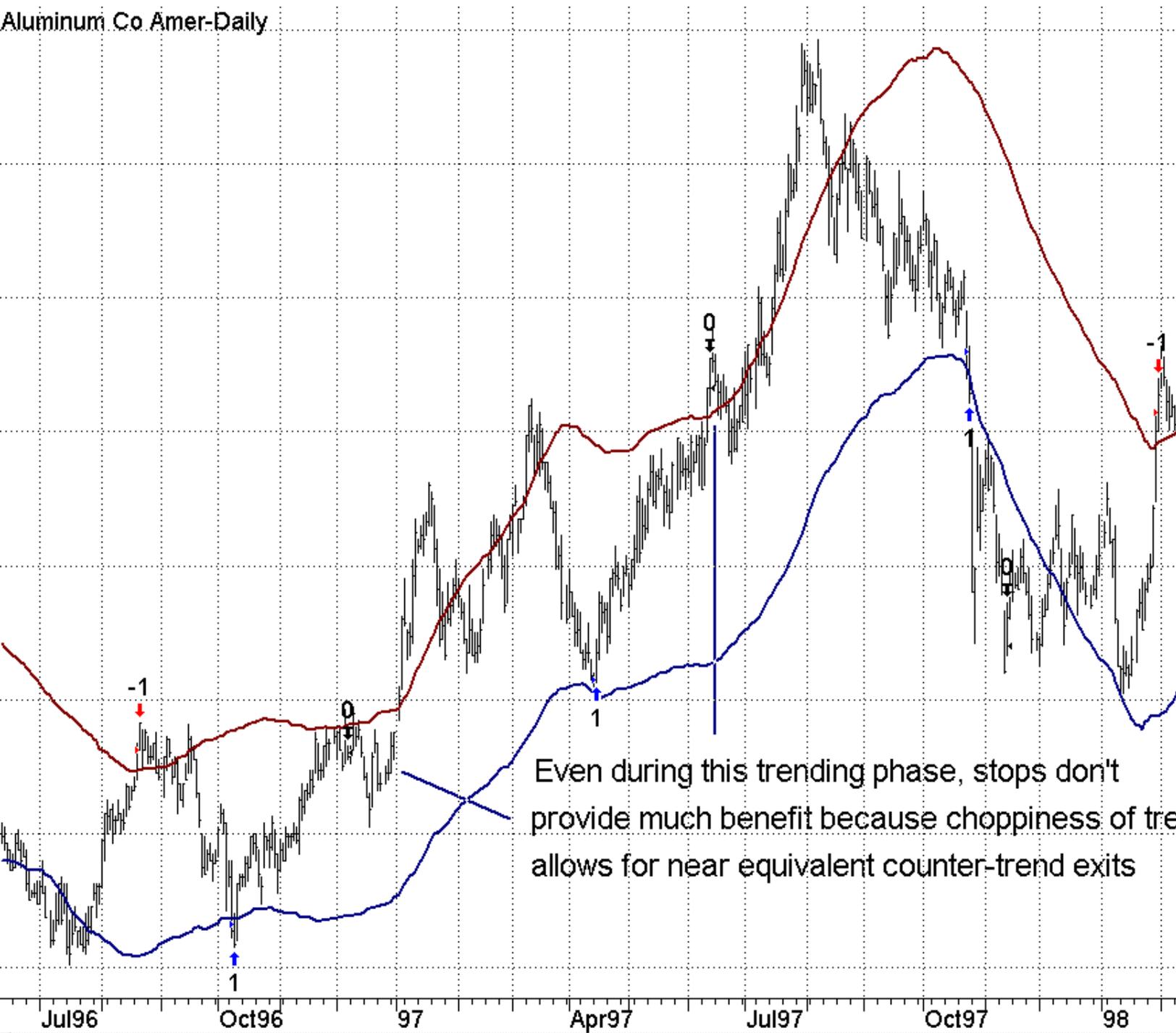
Aluminum Co Amer-Daily

Stops knock out good trades



Again, stops are turning potential win trades into losers

Aluminum Co Amer-Daily



***Taking Advantage of  
Charts by Using  
Pattern Systems***

Sugar #11-Daily



Up Gaps

Down Gaps

Sugar #11-Daily

Gap System (1-day)

Note: No new signals  
on gaps in direction of  
existing position



Sugar #1 1-Daily



Buy before bottom  
catches major trend

Sell near high