

Worksheet for adjusting MorningstarTM returns

The date provided in this sheet is sample data only. Clear this data **but not the formulas in "E, F, G, and H"** and analysis. To use this sheet to convert annual rates of return provided by MorningstarTM, enter the 3 month return in **E, F, G, or H**. Instead, enter the unadjusted return in Columns W, X, Y, and Z. Enter the Front End Load in "Q" "T" and Length of Decline in deferred sales charge in "S". The decline is assumed to be linear. You may also enter columns.

Fund Name	Obj	Rtg	3 Mth	1 Yr	3 Yr	5 Yr	10 Yr	Beta	Mnstar Risk	Std Dev
			Total Adj	Total Adj	Total Adj	Total Adj	Total Adj			
			Return	Return	Return	Return	Return			
Sample Fund Name	AG	#N/A	-1.05%	81.76%	27.12%	0.00%	-0-	1.56	1.14	5.75
Sample Fund Name	G	*****	5.52%	73.91%	-0-	0.00%	-0-	1.33	1.51	6.17
Sample Fund Name	G	***	-0.61%	73.01%	29.17%	0.00%	-0-	1.22	1.42	5.46
Sample Fund Name	AG	*****	3.04%	72.58%	-0-	0.00%	-0-	1.33	1.42	5.72
Sample Fund Name	AG	*****	2.86%	63.89%	26.87%	0.00%	-0-	1.03	0.66	3.54
Sample Fund Name	G	***	4.86%	55.31%	37.97%	26.58%	-0-	0.84	1.35	5.68
Sample Fund Name	G	*****	12.99%	44.41%	25.99%	18.37%	-0-	1.27	1.21	4.92
Sample Fund Name	GI	****	4.05%	43.80%	39.14%	19.81%	-0-	1.28	1.32	5.30
Sample Fund Name	I	*****	3.07%	37.61%	42.53%	27.87%	-0-	1.08	1.03	4.11
Sample Fund Name	AG	*****	2.85%	35.32%	20.47%	0.00%	-0-	1.33	1.43	5.72
Sample Fund Name	EI	****	4.75%	33.71%	28.52%	21.31%	-0-	0.54	0.38	2.50
Sample Fund Name	GI	****	9.14%	33.21%	40.71%	28.45%	-0-	1.58	1.87	6.45
Sample Fund Name	WF	*****	32.17%	32.20%	28.31%	21.82%	18.85%	0.44	0.66	4.08
Sample Fund Name	SC	*****	6.47%	30.44%	25.56%	18.66%	18.24%	1.33	1.53	6.55
Sample Fund Name	AG	*****	6.64%	29.53%	29.77%	0.00%	-0-			
Sample Fund Name	SF	*****	2.82%	29.30%	23.19%	18.35%	17.94%	1.25	0.95	5.30
Sample Fund Name	WP	*****	15.71%	26.76%	41.33%	30.09%	23.50%	0.29	1.02	5.31
Sample Fund Name	GI	*****	4.56%	26.42%	38.91%	0.00%	-0-	0.95	0.89	3.59
Sample Fund Name	G	****	9.42%	26.22%	33.79%	25.97%	-0-	0.86	0.63	2.98
Sample Fund Name	G	*****	5.68%	25.57%	32.36%	22.81%	-0-	0.59	0.88	3.58
Sample Fund Name	SC	***	3.48%	25.54%	20.18%	14.58%	15.51%	1.11	1.30	4.78
Sample Fund Name	AG	****	8.10%	23.30%	27.27%	20.84%	-0-	1.06	0.78	3.88
Sample Fund Name	SC	*****	0.30%	22.82%	20.11%	14.36%	4.41%	0.27	0.15	1.89
Sample Fund Name	SF	*****	11.69%	22.75%	30.29%	18.28%	17.91%	1.30	1.08	5.58
Sample Fund Name	G	*****	2.59%	22.32%	-0-	0.00%	-0-	0.85	0.70	3.53
Sample Fund Name	WF	*****	19.23%	22.13%	30.88%	22.25%	20.43%	0.65	0.75	4.02
Sample Fund Name	SC	*****	9.77%	21.40%	25.52%	15.25%	14.27%	0.95	0.81	4.14
Sample Fund Name	G	*****	2.15%	18.40%	33.74%	22.13%	-0-	1.06	0.77	3.90
Sample Fund Name	SC	*****	7.79%	17.89%	22.23%	17.66%	16.37%	0.73	0.64	4.21
Sample Fund Name	S	*****	-3.20%	16.81%	43.71%	22.74%	-0-	1.00	0.86	4.47
Sample Fund Name	ST	***	17.95%	16.51%	24.97%	24.47%	17.93%	1.42	1.87	6.55
Sample Fund Name	SC	*****	9.22%	15.02%	19.43%	17.74%	16.76%	0.85	0.53	3.72
Sample Fund Name	WF	*****	39.73%	14.65%	27.72%	23.26%	18.86%	0.29	0.60	4.15
Sample Fund Name	WF	#N/A	34.91%	14.49%	25.33%	25.29%	18.23%			
Sample Fund Name	WF	#N/A	34.73%	12.94%	30.03%	26.11%	18.34%			
Sample Fund Name	G	****	15.95%	10.16%	31.66%	15.63%	-0-	1.12	0.71	3.64

3 month returns are not adjusted for load or fees. Years 1 through 10 take into account Front End Loads, Redemption Fees, and Deferred Sales fees. For lack of actual numbers, Deferred Sales

This worksheet is shareware, if Phillip Glau, 1438 Westerly Terr distributed from one individual to

Deferred Sales fees. For lack of actual numbers, Deferred Sales charges were assumed to approach -0- in 5 years, with equal steps towards that number. This assumption can be changed in the formula in Column "R." Paying shareware fee also you to unlock this document (include e-mail acct)

distributed from one individual is attached to the worksheet. Do not rights other than those expressly specializing in shareware distribution

© 1994 Phillip Glau, all rights reserved

and use the data provided for the funds you wish to enter in Column "D". **Do not enter returns in Columns E, Redemption Fees in "R", Deferred Sales charge in "S" or other portfolio information in the appropriate**

P/E	P/B	Net Assets	Median CAP	Min Open	Front Load	Redem Fee	Defrd Period	Defrd Sales	12b-1	Manage Fee	1 Yr Total Return	3 Yr Annlzd Return
20.64	3.32	251.00	904.48	Closed	-0-	-0-	-	-0-	-0-	0.75%	81.76%	27.12%
33.91	6.05	235.00	646.55	Closed	-0-	-0-	5 Yr	4.00%	1.00%	0.75%	81.16%	-0-
28.02	4.77	542.00	367.84	\$500	5.50%	-0-	-	-0-	0.25%	0.50%	83.08%	31.63%
35.13	6.82	654.00	755.25	Closed	5.50%	-0-	-	-0-	0.25%	0.75%	82.62%	-0-
27.78	4.24	6510.00	2697.51	\$2,500	3.00%	-0-	-	-0-	-0-	0.25%	68.96%	28.16%
44.61	2.07	1234.00	610.54	\$1,000	-0-	-0-	-	-0-	1.00%	1.00%	55.31%	37.97%
26.30	5.41	651.00	1740.94	\$500	5.50%	-0-	-	-0-	0.30%	1.00%	52.82%	28.39%
35.73	7.52	365.00	1177.18	\$250	-0-	-0-	-	-0-	0.75%	0.75%	43.80%	39.14%
26.22	5.12	254.00	1134.35	\$1,000	-0-	-0-	-	-0-	-0-	0.75%	37.61%	42.53%
35.13	6.82	894.00	755.25	Closed	-0-	-0-	5 Yr	1.00%	1.00%	0.75%	36.69%	20.71%
22.69	2.79	654.00	661.82	\$1,000	-0-	-0-	-	-0-	-0-	1.00%	33.71%	28.52%
38.76	8.80	5462.00	3417.08	\$1,000	-0-	-0-	-	-0-	-0-	1.00%	33.21%	40.71%
24.86	3.43	289.00	2605.12	\$1,000	6.50%	-0-	-	-0-	-0-	1.00%	41.39%	31.22%
33.11	5.12	456.00	578.04	\$1,000	-0-	-0-	-	-0-	-0-	0.50%	30.44%	25.56%
34.55	5.60	986.00	304.07	\$1,000	-0-	-0-	-	-0-	0.25%	0.75%	29.53%	29.77%
11.52	1.02	365.00	177.89	\$2,500	3.00%	0.75%	-	-0-	-0-	0.30%	34.31%	24.76%
33.00	4.44	1054.00	4730.46	\$1,000	-0-	-0-	5 Yr	5.00%	1.00%	1.00%	33.43%	42.77%
23.71	2.75	896.00	1732.10	\$1,000	5.75%	-0-	-	-0-	0.25%	0.75%	34.13%	41.68%
22.17	3.01	5687.00	5272.42	\$1,000	-0-	-0-	-	-0-	0.25%	0.60%	26.22%	33.79%
30.42	2.98	86.00	2131.30	\$1,000	5.50%	-0-	-	-0-	0.25%	0.75%	32.88%	34.88%
38.63	7.22	1540.00	771.02	\$500	5.75%	-0-	-	-0-	0.25%	0.75%	33.20%	22.58%
16.96	4.65	254.00	2350.88	\$250	4.25%	-0-	-	-0-	0.25%	0.75%	28.77%	29.13%
16.09	1.92	5660.00	7415.75	\$100	4.00%	-0-	-	-0-	-0-	0.63%	27.94%	21.76%
15.83	3.31	810.00	1702.18	\$2,500	3.00%	0.75%	-	-0-	-0-	0.30%	27.50%	31.95%
29.12	5.30	864.00	1039.92	Closed	-0-	2.00%	-	-0-	-0-	0.75%	24.82%	-0-
33.56	6.74	302.00	1784.42	\$3,000	4.50%	-0-	-	-0-	0.25%	0.85%	27.88%	32.90%
33.36	5.77	300.00	1147.16	\$1,000	-0-	-0-	-	-0-	-0-	0.75%	21.40%	25.52%
16.96	4.65	654.00	2350.88	\$250	4.25%	-0-	-	-0-	0.25%	0.75%	23.66%	35.69%
15.90	2.10	254.00	72.21	\$1,000	-0-	-0-	3 Yr	3.00%	0.30%	0.75%	21.54%	22.64%
23.95	3.23	897.00	379.50	\$1,000	5.75%	-0-	-	-0-	0.25%	0.65%	23.94%	46.58%
27.94	6.69	150.00	1227.46	\$1,000	4.75%	-0-	-	-0-	0.25%	0.75%	22.32%	27.01%
16.91	2.70	90.00	289.91	\$1,000	-0-	-0-	-	-0-	-0-	1.50%	15.02%	19.43%
32.64	5.47	568.00	3207.60	\$2,500	3.00%	1.50%	-	-0-	-0-	0.78%	20.00%	29.67%
26.02	4.29	110.40	3788.52	\$1,000	4.00%	2.00%	3 Yr	3.00%	0.25%	1.00%	25.54%	28.34%
26.02	4.29	864.00	3778.52	\$1,000	-0-	2.00%	5 Yr	4.00%	1.00%	1.00%	20.15%	32.00%
21.00	3.14	358.00	5511.54	\$50	8.24%	-0-	-	-0-	-0-	0.17%	20.05%	35.49%

you use it and find it useful, please send \$5.00 to
ace, Los Angeles, CA 90026. This worksheet can be
another provided that this information box is always

or another provided that this information box is always
downloading from on-line services is also allowed. All
rights granted, including distribution by any company
rights are reserved by author.

in vlc

rights reserved

5 Yr Annlzd Return	10 Yr Annlzd Return
-0-	-0-
-0-	-0-
-0-	-0-
-0-	-0-
-0-	-0-
26.58%	-0-
19.72%	-0-
19.81%	-0-
27.87%	-0-
-0-	-0-
21.31%	-0-
28.45%	-0-
23.47%	19.65%
18.66%	18.24%
-0-	-0-
19.25%	18.39%
30.35%	23.50%
-0-	-0-
25.97%	-0-
24.21%	-0-
15.95%	16.20%
21.89%	-0-
15.30%	4.84%
19.18%	18.36%
-0-	-0-
23.38%	20.99%
15.25%	14.27%
23.20%	-0-
17.66%	16.37%
24.20%	-0-
25.69%	18.51%
17.74%	16.76%
24.39%	19.40%
26.83%	18.95%
26.83%	18.58%
17.64%	-0-