

Technical Appendix: Should macroeconomic forecasters use daily financial data and how?*

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Abstract

We introduce easy to implement regression-based methods for predicting quarterly real economic activity that rely on forecast combinations of MIDAS regressions. Our analysis is designed to elucidate the value of daily information using MIDAS regressions in improving traditional forecasts based on aggregated data and how these regressions can be used to provide real-time forecast updates of the current quarter (nowcasting). Our empirical study covers the recent financial crisis. While on average the predictive ability of all models worsens substantially following the financial crisis, the models we propose do not suffer as much losses as the traditional ones.

Figure B1: Boxplots of the RMSFE of 2DiscMSFE forecast combinations for various families of models for $h = 1$ using the sample of 1999. The line across the boxplots corresponds to the RMSFE of the RW. ADL refers to the traditional flat aggregation forecasting regressions with a single predictor. FADL augments the ADL with quarterly factors. ADL-MIDAS ($J_X = 0$) and FADL-MIDAS ($J_X = 0$) the corresponding MIDAS regression models using daily data for the single predictor. ADL-MIDAS ($J_X = 2$) and FADL-MIDAS ($J_X = 2$) allow for 2-months of leading information in the MIDAS regression models. The first six models are based on forecast combinations of 93 daily financial assets while the remaining three use 25 daily financial factors extracted from 5 homogeneous classes of assets (Commodities, Corporate Risk, Equities, Foreign Exchange, and Government Securities).

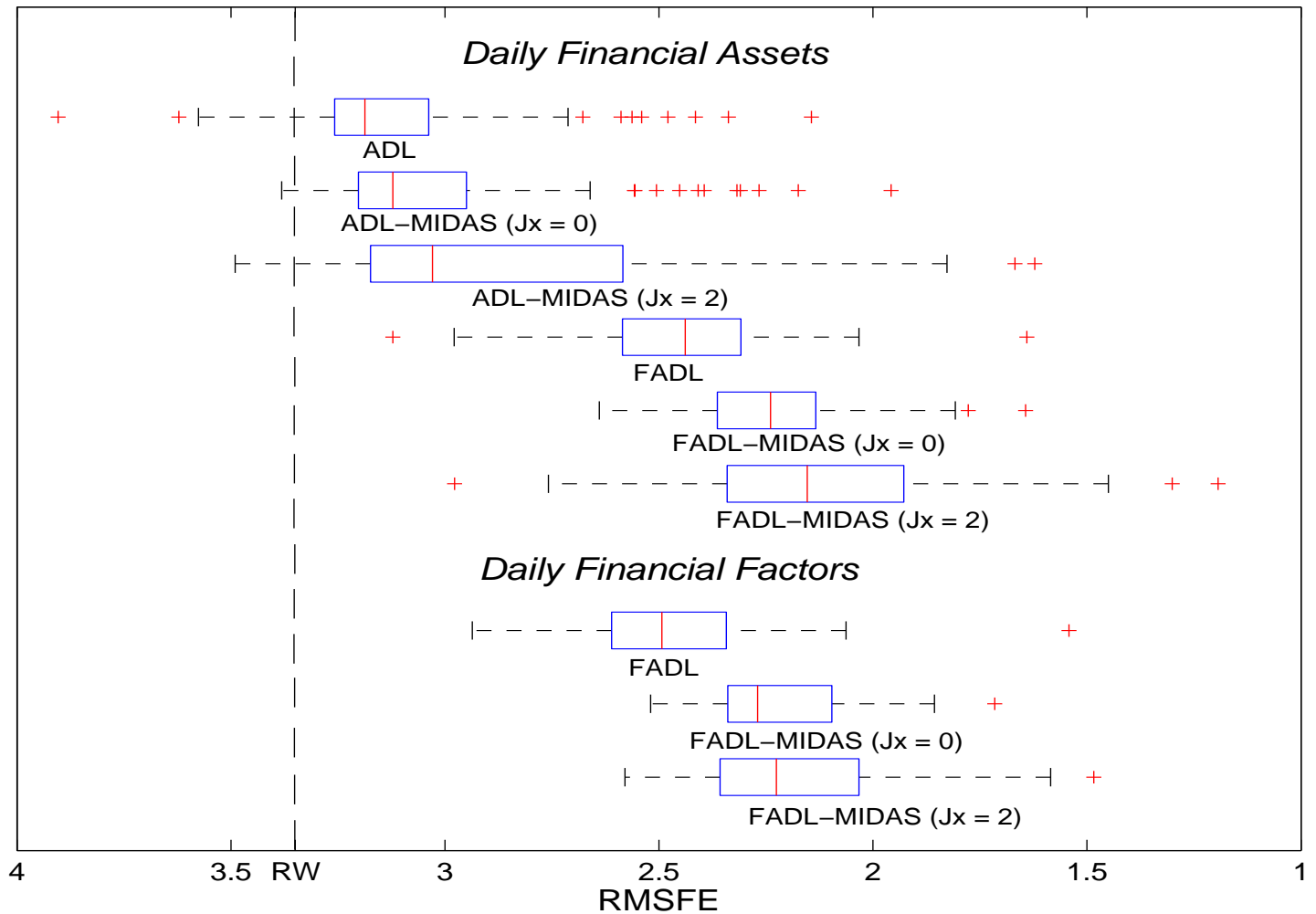
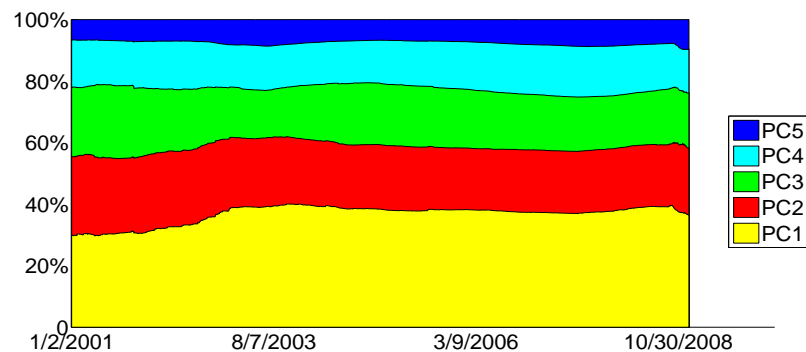
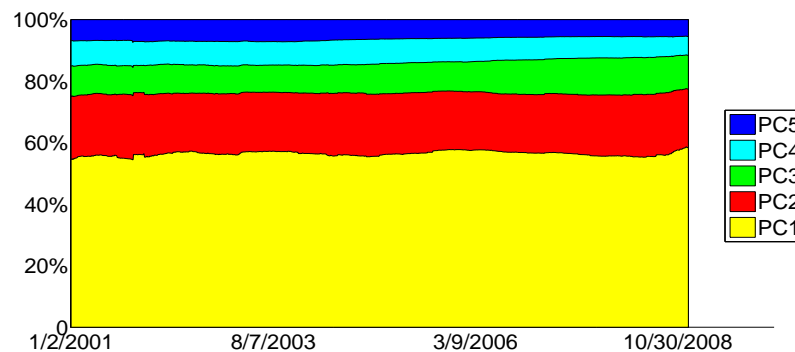


Figure B2: Standardized eigenvalues for the daily factors extracted from *all* daily assets as well as from their five classes

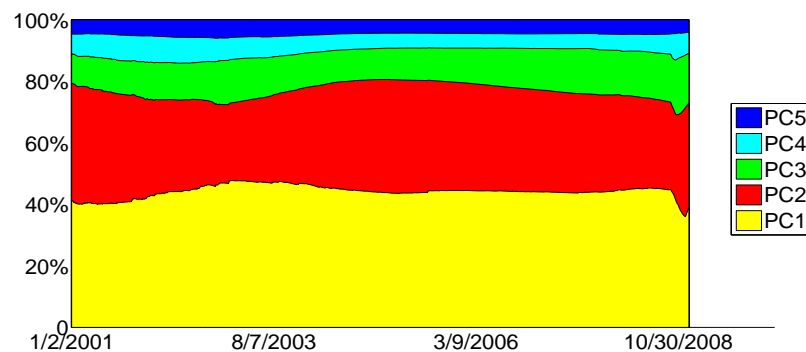
(a) F_{ALL}



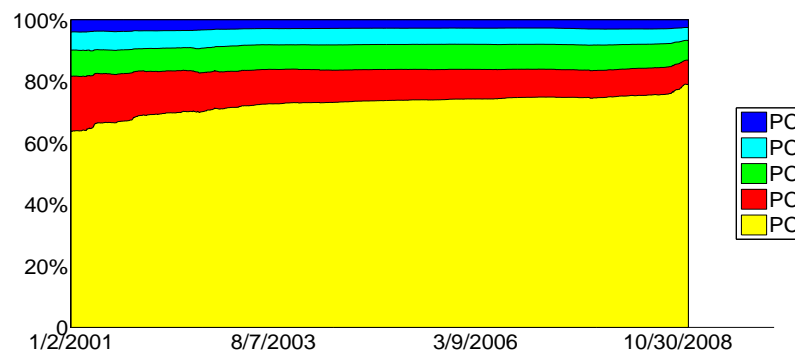
(b) F_{COMM}



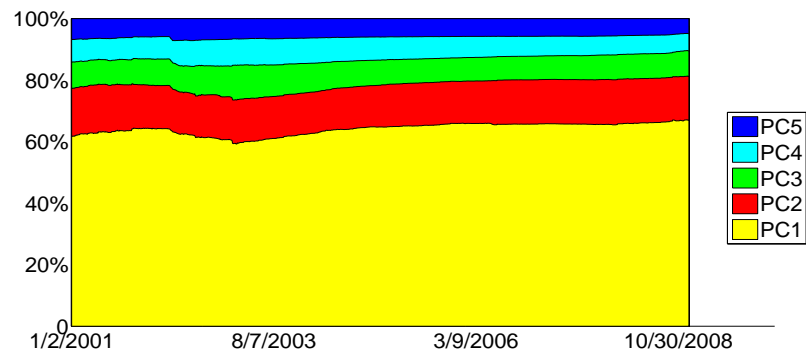
(c) F_{CORP}



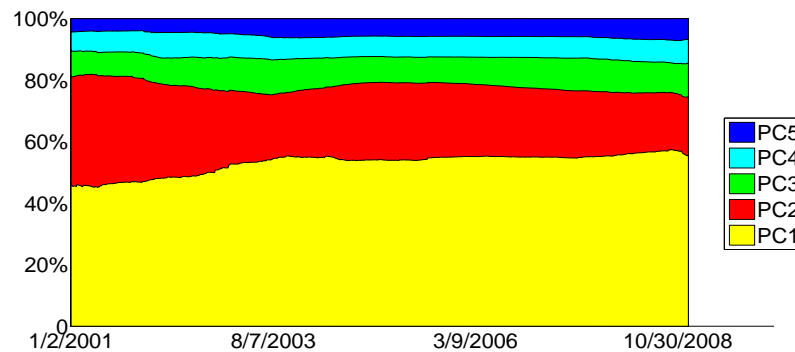
(d) F_{EQUIT}



(e) F_{FX}



(f) F_{GOV}



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Table B1: Summary of Daily Data Series

Index	Short Name	Trans Code	Small	Definition
Commodities				
1	WTI Oil Fut	5	1	Light Sweet Crude Oil Futures Price: 1St Expiring Contract Settlement (\$/Bbl)
2	WTI Oil Fut-3M	5	0	Light Sweet Crude Oil Futures Price: 3-Month Contract Settlement (\$/Bbl)
3	Heat Oil Fut	5	0	No 2 Heating Oil Futures Price: 1St Expiring Contract Settlement (\$/Gal)
4	Heat Oil Fut-3M	5	0	No 2 Heating Oil Futures Price: 3-Month Contract Settlement (\$/Gal)
5	Gas Oil-Fut	5	0	Gas Oil Futures Price: 1St Expiring Contract Settlement (\$/Metric Ton)
6	MBelvieuPropane	5	0	Mont Belvieu Tx Propane Fut Price: 1St Expiring Contract Settlement (Cts/Gal)
7	MBelvieuPropane-3M	5	0	Mont Belvieu Tx Propane Futures Price: 3-Month Contract Settlement (Cts/Gallon)
8	NatGas-Fut	5	0	Natural Gas Futures Price: 1St Expiring Contract Settlement (\$/Mmbtu)
9	CC1-ID	5	1	Corn Futures Price: 1St Expiring Contract Settlement (Cents/Bu)
10	SC1-ID	5	1	Soybeans Futures Price: 1St Expiring Contract Settlement (Cents/Bu)
11	WC1-ID	5	1	Wheat Futures Price: 1St Expiring Contract Settlement (Cents/Bu)
12	Rice-Fut	5	0	Rough Rice Futures Price: 1St Expiring Contract Settlement (Cents/Cwt)
13	Pork-Fut	5	0	Pork Bellies Futures Price: 1St Expiring Contract Settlement (Cents/Lb)
14	Lumber-Fut	5	0	Random Length Lumber Futures: 1St Expiring Contract Settlement(\$/1000 Board Ft)
15	Sugar-Fut	5	1	World Sugar Futures Price: 1St Expiring Contract Settlement (Cents/Lb)
16	CTC1-D	5	1	Cotton Futures Price: 1St Expiring Contract Settlement (Cents/Lb)
17	Juice-Fut	5	0	Orange Juice Futures Price: 1St Expiring Contract Settlement (Cents/Lb)
18	Gold-Fut-6M	5	0	Gold Futures Price: 6-Month Contract Settlement (\$/Troy Oz)
19	Gold-Lend-1M	2	0	Gold Lending Rate: Local London Market Mean: One-Month (Vs Us\$, %)
20	Gold-Lend-3M	2	0	Gold Lending Rate: Local London Market Mean: Three-Months (Vs Us\$, %)
21	Alum-LME	5	0	Lme: Aluminum Warehouse Stocks (Metric Tons)
22	Alum Alloy-LME	5	0	Lme: Aluminum Alloy Warehouse Stocks (Metric Tons)
23	Copper-LME	5	0	Lme: Copper Warehouse Stocks (Metric Tons)
24	Lead-LME	5	0	Lme: Lead Warehouse Stocks (Metric Tons)
25	Nickel-LME	5	0	Lme: Nickel Warehouse Stocks (Metric Tons)
26	Tin-LME	5	0	Lme: Tin Warehouse Stocks (Metric Tons)
27	Zinc-LME	5	0	Lme: Zinc Warehouse Stocks (Metric Tons)
28	DomWTexas	5	0	Domestic Spot Market Price: West Texas Intermediate, Cushing (\$/Barrel)
29	CushingFob	5	0	Cushing Ok Wti Spot Price Fob (Dollars Per Barrel)
30	DomWTexas	5	0	Domestic Spot Market Price: Crude West Texas Sour, Midland (\$/Barrel)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Commodities				
31	DomLous	5	0	Domestic Spot Market Price: Crude Louisiana Sweet, St James (\$/Barrel)
32	DomAlaskan	5	0	Domestic Spot Mkt Price: Alaskan North Slope Oil Delivered Pacific (\$/Barrel)
33	BrentSpotFob	5	0	European Free Market Price: Brent Crude Oil (\$/Barrel)
34	Brent Oil	5	1	Europe Brent Spot Price Fob (Dollars Per Barrel)
35	Oil price	5	0	Oil Price: Fuel Oil No 2, Ny (\$/Gallon)
36	GasRegular	5	0	Unleaded Gas Price, Regular, Non-Oxygenated, Ny (\$/Gal)
37	GasPremium	5	0	Unleaded Gas Price, Premium Non-Oxygenated, Ny (\$/Gal)
38	Propane	5	0	Propane Price, Mont Belvieu (\$/Gal)
39	USGasoline	5	0	Us Gulf Coast Conventional Gasoline Regular Spot Price Fob (Cents Per Gallon)
40	NYGasoline	5	0	New York Harbor Conventional Gasoline Regular Spot Price Fob (Cents Per Gallon)
41	LAGasoline	5	0	Los Angeles Ca Conventional Gasoline Regular Spot Price Fob (Cents Per Gallon)
42	SingGasoline	5	0	Singapore Leaded Regular Gasoline Spot Price Fob (Cents Per Gallon)
43	USDiesel	5	0	Us Gulf Coast No 2 Diesel Low Sulfur Spot Price Fob (Cents Per Gallon)
44	NYDiesel	5	0	New York Harbor No 2 Diesel Low Sulfur Spot Price Fob (Cents Per Gallon)
45	LADiesel	5	0	Los Angeles Ca No 2 Diesel Spot Price Fob (Cents Per Gallon)
46	USHeatingOil	5	0	Us Gulf Coast No 2 Heating Oil Spot Price Fob (Cents Per Gallon)
47	NYHeatingOil	5	0	New York Harbor No 2 Heating Oil Spot Price Fob (Cents Per Gallon)
48	RottGasoil	5	0	Rotterdam [Ara] Gasoil Spot Price Fob (Cents Per Gallon)
49	SingGasoil	5	0	Singapore Gasoil Spot Price Fob (Cents Per Gallon)
50	MBelvieuPropane	5	0	Mont Belvieu Tx Propane Spot Price Fob (Cents Per Gallon)
51	USPropane	5	0	Us Midcontinent Propane Spot Price Fob (Cents Per Gallon)
52	NYResidual	5	0	New York Harbor Residual Fuel Oil 1.0% Sulfur Lp Spot Price Cif (Cents/Gallon)
53	GulfResidual	5	0	Gulf Coast Residual Fuel Oil 1.0% Sulfur Lp Spot Price Cif (Cents Per Gallon)
54	RottResidual	5	0	Rotterdam [Ara] Residual Fuel Oil Sulfur: 1.0 Spot Price Fob (Cents Per Gallon)
55	SingResidual	5	0	Singapore Residual Fuel Oil 180 Spot Price Fob (Cents Per Gallon)
56	AVGKerosine	5	0	Average Spot Price: Kerosene-Type Jet Fuel F.O.B. (Cents/Gallon)
57	NYKerosine	5	0	Spot Price: New York Harbor Kerosene-Type Jet Fuel F.O.B. (Cents/Gallon)
58	GulfKerosine	5	0	Spot Price: U.S. Gulf Coast Kerosene-Type Jet Fuel F.O.B. (Cents/Gallon)
59	LAKerosine	5	0	Spot Price: Los Angeles Ca Kerosene-Type Jet Fuel F.O.B. (Cents/Gallon)
60	RottKerosine	5	0	Spot Price: Rotterdam [Ara] Kerosene-Type Jet Fuel F.O.B. (Cents/Gallon)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Commodities				
61	SingKerosine	5	0	Spot Price: Singapore Kerosene-Type Jet Fuel F.O.B. (Cents/Gallon)
62	Oil-fut-2M	5	0	Cushing Ok Crude Oil Futures Price: 2-Month Contract Settlement (\$/Barrel)
63	NY Oil	5	0	Ny Harbor #2 Heating Oil Futures Price: 2-Month Contract Settlement(\$/Gallon)
64	MBelvieuPropane-fut	5	0	Mont Belvieu Tx Propane Futures Price: 2-Month Contract Settlement (Cts/Gallon)
65	Natural Gas-fut	5	0	Natural Gas Futures Price: 2-Month Contract Settlement (\$/Mmbtu)
66	LME-Aluminum	5	0	Lme Aluminum, 99.7% Purity: Closing Cash Price (\$/Metric Tonne)
67	LME-Aluminum Alloy	5	0	Lme Aluminum Alloy: Closing Cash Price (\$/Metric Tonne)
68	LME Copper	5	0	Lme Copper, Grade A: Closing Cash Price (\$/Metric Tonne)
69	LME Nickel	5	0	Lme Nickel: Closing Cash Price (\$/Metric Tonne)
70	Tin	5	1	Lme Tin: Closing Cash Price (\$/Metric Tonne)
71	Zinc	5	0	Lme Zinc: Closing Cash Price (\$/Metric Tonne)
72	Alum Fut	5	1	Lme Aluminum, 99.7% Purity: Closing 3-Month Forward Price (\$Metric/Tonne)
73	Alum Alloy	5	0	Lme Aluminum Alloy: Closing 3-Month Forward Price (\$/Metric Tonne)
74	Copper Fwd	5	0	Lme Copper, Grade A: Closing 3-Month Forward Price (\$/Metric Tonne)
75	Lead Fwd	5	1	Lme Lead: Closing 3-Month Forward Price (\$/Metric Tonne)
76	Nickel Fwd	5	1	Lme Nickel: Closing 3-Month Forward Price (\$/Metric Tonne)
77	Tin Fwd	5	1	Lme Tin: Closing 3-Month Forward Price (\$/Metric Tonne)
78	DJ-Aig Fut	5	0	Dow Jones-Aig Futures Price Index (1/2/91=100)
79	WTI Cotton	5	0	Commodity Prices: Cotton, 1 1/16, Avg Seven Markets (Cents/Lb)
80	WTI Aluminum	5	0	Commodity Prices: Aluminum, Lme Spot (\$/Metric Ton)
81	WTI Lead	5	0	Commodity Prices: Lead, Pig: Common Corroding (Cents/Lb)
82	WTI Zinc	5	0	Commodity Prices: Zinc, Special High Grade (Cents/Lb)
83	WTI Oil	5	1	Commodity Prices: Crude Oil, West Texas Intermediate (\$/Barrel)
84	WTI Rubber	5	0	Commodity Prices: Natural Rubber, New York Tsr20 (Cents/Lb)
85	All-Fiber	5	0	Fiber Industrial Materials Price Index: All Items (1990I00)
86	Textiles-Fiber	5	0	Fiber Industrial Materials Price Index: Textiles (1990I00)
87	Metals-Fiber	5	0	Fiber Industrial Materials Price Index: Metals (1990I00)
88	Oil Fiber	5	0	Fiber Industrial Materials Price Index: Crude Oil And Benzene (1990I00)
89	RJ CRB	5	1	Reuters/Jefferies Crb Futures Price Index: All Commodities (1967I00)
90	CRB-All	5	0	Crb Spot Commodity Price Index: All Commodities (1967I00)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Commodities				
91	CRB-metals	5	0	Crb Spot Commodity Price Index: Metals (1967I00)
92	CRB-textiles	5	0	Crb Spot Commodity Price Index: Textiles And Fibers (1967I00)
93	CRB-raw mater	5	0	Crb Spot Commodity Price Index: Raw Industrials (1967I00)
94	CRB-food	5	0	Crb Spot Commodity Price Index: Foodstuffs (1967I00)
95	CRB-fats	5	0	Crb Spot Commodity Price Index: Fats And Oils (1967I00)
96	CRB-livestock	5	0	Crb Spot Commodity Price Index: Livestock And Products (1967I00)
97	Energy Comm	5	0	S&P GSCI Energy Commodities Nearby Index (12/31/82I00)
98	Crude Oil	5	0	S&P GSCI Crude Oil Index
99	Gasoline	5	0	S&P GSCI Unleaded Gasoline Index (Dec-31-87I00)
100	Heating Oil	5	0	S&P GSCI Heating Oil Index (Dec-31-82I00)
101	Gasoil	5	0	S&P Gsci Gasoil Index
102	Gas	5	0	S&P Gsci Natural Gas Index (Dec-31-93=100)
103	Metals	5	0	S&P Gsci Industrial Metals Nearby Index (Dec-31-76)
104	Aluminum	5	1	S&P Gsci Aluminum Index (Dec-31-90=100)
105	Copper	5	0	S&P Gsci Copper Index (Dec-30-76=100)
106	Lead	5	1	S&P Gsci Lead Index (Dec-30-94=100)
107	Nickel	5	1	S&P Gsci Nickel Index (Dec-31-92=100)
108	Zinc	5	1	S&P Gsci Zinc Index (Dec-31=90=100)
109	Precious metals	5	0	S&P Gsci Precious Metal Nearby Index (Jan-2-73=100)
110	Gold	5	1	S&P Gsci Gold Index
111	Silver	5	1	S&P Gsci Silver Index (Dec-29-72=100)
112	Agric Livestock	5	0	S&P Gsci Agricultural & Livestock Index (Jan-2-70=100)
113	Agric Comm	5	0	S&P Gsci Agricultural Commodities Nearby Index (Jan-2-70=100)
114	Wheat	5	1	S&P Gsci Wheat Index (Dec-31-69=100)
115	Soyb	5	1	S&P Gsci Soybeans Index (Dec-31-69=100)
116	Cotton	5	1	S&P Gsci Cotton Index
117	Sugar	5	1	S&P Gsci Sugar Index (Dec-29-72=100)
118	Coffee	5	1	S&P Gsci Coffee Index (Dec-31-80=100)
119	Cocoa	5	1	S&P Gsci Cocoa Index (Dec-30-83=100)
120	Livestock	5	0	S&P Gsci Livestock Nearby Index (Jan-2-70=100)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Commodities				
121	Cattle	5	1	S&P Gsci Live Cattle Index (Dec-31-69=100)
122	Hogs	5	1	S&P Gsci Lean Hogs Index (Dec-31-75=100)
123	Softs	5	0	S&P Gsci Softs Index (Jan-16-95=100)
124	Non-Energy	5	0	S&P Gsci Non-Energy Nearby Index (Jan-2-70=100)
125	Light-Energy	5	0	S&P Gsci Light Energy Index -Cpw 4 (Jan-02-70=100)
126	Ultra-Energy	5	0	S&P Gsci Ultra-Light Energy Index Cpw 8 (Jan=2-70=100)
127	Four Energy	5	0	S&P Gsci Four Energy Commodities Index (Jan-16-95=100)
128	Energy & Metals	5	0	S&P Gsci Energy And Metals Index (Jan-6-95=100)
129	Non-Livestock	5	0	S&P Gsci Non-Livestock Index (Jan-5-96=100)
130	Grains	5	0	S&P Gsci Grains Index (Jan-5-70=100)
131	All Wheat	5	0	S&P Gsci All Wheat Index
132	All Crude	5	0	S&P Gsci All Crude Index (Dec-31-86=100)
133	Biofuel	5	0	S&P Gsci Biofuel Index (Jan-16-95=100)
∞ 134	1M-fwd	5	0	S&P Gsci 1 Month Forward Index (Jan-16-95=100)
135	2M-fwd	5	0	S&P Gsci 2 Month Forward Index (Jan-16-95=100)
136	3M-fwd	5	0	S&P Gsci 3 Month Forward Index (Jan-16-95=100)
137	4M-fwd	5	0	S&P Gsci 4 Month Forward Index (Jan-16-95=100)
138	5M-fwd	5	0	S&P Gsci 5 Month Forward Index (Jan-16-95=100)
139	S&P-Exc	1	0	S&P Gsci Total Excess Return Index (Jan-2-70=100)
140	Crude Oil-Exc	1	0	S&P Gsci Crude Oil Total Excess Return Index
141	Brent-Exc	1	0	S&P Gsci Brent Crude Total Excess Return Index (Jan-6-99=100)
142	Gasoline-Exc	1	0	S&P Gsci Unleaded Gasoline Total Excess Return Index (Dec-31-87=100)
143	Heating Oil-Exc	1	0	S&P Gsci Heating Oil Total Excess Return Index (Dec-31-82=100)
144	Gasoil-Exc	1	0	S&P Gsci Gasoil Total Excess Return Index
145	NatGas-Exc	1	0	S&P Gsci Natural Gas Total Excess Return Index (Dec-31-93=100)
146	Metals-Exc	1	0	S&P Gsci Industrial Metals Total Excess Return Index (Dec-31-76)
147	Aluminum-Exc	1	0	S&P Gsci Aluminum Total Excess Return Index (Dec-31-90=100)
148	Copper-Exc	1	0	S&P Gsci Copper Total Excess Return Index (Dec-30-76=100)
149	Lead-Exc	1	0	S&P Gsci Lead Total Excess Return Index (Dec-30-94=100)
150	Zinc-Exc	1	0	S&P Gsci Zinc Total Excess Return Index (Dec-31=90=100)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Commodities				
151	Precious metals-Exc	1	0	S&P Gsci Precious Metals Total Excess Return Index (Dec-29-72=100)
152	Gold-Exc	1	0	S&P Gsci Gold Total Excess Return Index
153	Silver-Exc	1	0	S&P Gsci Silver Total Excess Return Index (Dec-29-72=100)
154	Agric Livestock-Exc	1	0	S&P Gsci Agricultural & Livestock Excess Return Index (Jan-2-70=100)
155	Agric-Exc	1	0	S&P Gsci Agriculture Total Excess Return Index (Jan-2-70=100)
156	Wheat-Exc	1	0	S&P Gsci Wheat Excess Returns Index (Dec-31-69=100)
157	Soyb-Exc	1	0	S&P Gsci Soybeans Excess Returns Index (Dec-31-69=100)
158	Corn-Exc	1	0	S&P Gsci Corn Excess Returns Index (Dec-31-69=100)
159	Cotton-Exc	1	0	S&P Gsci Cotton Total Excess Return Index
160	Sugar-Exc	1	0	S&P Gsci Sugar Total Excess Return Index (Dec-29-72=100)
161	Coffee-Exc	1	0	S&P Gsci Coffee Total Excess Return Index (Dec-31-80=100)
162	Cocoa-Exc	1	0	S&P Gsci Cocoa Total Excess Return Index (Dec-30-83=100)
163	Livestock-Exc	1	0	S&P Gsci Livestock Total Excess Return Index (Jan-2-70=100)
164	Cattle-Exc	1	0	S&P Gsci Live Cattle Excess Returns Index (Dec-31-69=100)
165	Hogs-Exc	1	0	S&P Gsci Lean Hogs Total Excess Return Index (Dec-31-75=100)
166	Softs-Exc	1	0	S&P Gsci Softs Total Excess Return Index (Jan-16-95=100)
167	Non-Energy-Exc	1	0	S&P Gsci Non-Energy Total Excess Return Index (Jan-2-70=100)
168	Light-Energy-Exc	1	0	S&P Gsci Light Energy Cpw 4 Total Excess Return Index (Jan-02-70=100)
169	Ultra-Energy-Exc	1	0	S&P Gsci Ultra-Light Energy Cpw 8 Excess Return Index (Jan=2-70=100)
170	Four Energy-Exc	1	0	S&P Gsci Four Energy Commodities Excess Return Index (Jan-16-95=100)
171	Energy & Metals-Exc	1	0	S&P Gsci Energy And Metals Total Excess Return Index (Jan-6-95=100)
172	Petroleum-Exc	1	0	S&P Gsci Petroleum Ex-Gasoil Total Excess Return Index (Dec-30-82=100)
173	Grains-Exc	1	0	S&P Gsci Grains Total Excess Return Index (Jan-5-70-100)
174	All Wheat-Exc	1	0	S&P Gsci All Wheat Total Excess Return Index
175	All Crude-Exc	1	0	S&P Gsci All Crude Total Excess Return Index (Dec-31-86=100)
176	Biofuel-Exc	1	0	S&P Gsci Biofuel Total Excess Return Index (Jan-16-95=100)
177	1M-fwd-Exc	1	0	S&P Gsci 1 Month Forward Total Excess Return Index (Jan-16-95=100)
178	2M-fwd-Exc	1	0	S&P Gsci 2 Month Forward Total Excess Return Index (Jan-16-95=100)
179	3M-fwd-Exc	1	0	S&P Gsci 3 Month Forward Total Excess Return Index (Jan-16-95=100)
180	4M-fwd-Exc	1	0	S&P Gsci 4 Month Forward Total Excess Return Index (Jan-16-95=100)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Commodities				
181	5M-fwd-Exc	1	0	S&P Gsci 5 Month Forward Total Excess Return Index (Jan-16-95=100)
182	S&P-TR	1	0	S&P Gsci Total Return Index (Jan-2-70=100)
183	Energy-TR	1	0	S&P Gsci Energy Commodities Total Return Index (12/31/82=100)
184	Crude Oil-TR	1	0	S&P Gsci Crude Oil Total Return Index
185	Brent-TR	1	0	S&P Gsci Brent Crude Total Return Index (Jan-6-99=100)
186	Gasoline-TR	1	0	S&P Gsci Unleaded Gasoline Total Return Index (Dec-31-87=100)
187	Heating Oil-TR	1	0	S&P Gsci Heating Oil Total Return Index (Dec-31-82=100)
188	Gasoil-TR	1	0	S&P Gsci Gasoil Total Return Index
189	Gas-TR	1	0	S&P Gsci Natural Gas Total Return Index (Dec-31-93=100)
190	Metals-TR	1	0	S&P Gsci Industrial Metals Total Return Index (Dec-31-76)
191	Aluminum-TR	1	0	S&P Gsci Aluminum Total Return Index (Dec-31-90=100)
192	Copper-TR	1	0	S&P Gsci Copper Total Return Index (Dec-30-76=100)
193	Lead-TR	1	0	S&P Gsci Lead Total Return Index (Dec-30-94=100)
194	Nickel-TR	1	0	S&P Gsci Nickel Total Return Index (Dec-31-92=100)
195	Zinc-TR	1	0	S&P Gsci Zinc Total Return Index (Dec-31=90=100)
196	Precious metals-TR	1	0	S&P Gsci Precious Metals Total Return Indx (Dec-29-72=100)
197	Gold-TR	1	0	S&P Gsci Gold Total Return Index
198	Silver-TR	1	0	S&P Gsci Silver Total Return Index (Dec-29-72=100)
199	Agric Livestock-TR	1	0	S&P Gsci Agricultural & Livestock Total Return Index (Jan-2-70=100)
200	Agric Comm-TR	1	0	S&P Gsci Agricultural Commodities Total Return Index (Jan-2-70=100)
201	Wheat-TR	1	0	S&P Gsci Wheat Total Return Index (Dec-31-69=100)
202	Corn-TR	1	0	S&P Gsci Corn Total Return Index (Dec-31-69=100)
203	Soyb-TR	1	0	S&P Gsci Soybeans Total Return Index (Dec-31-69=100)
204	Cotton-TR	1	0	S&P Gsci Cotton Total Return Index
205	Coffee-TR	1	0	S&P Gsci Coffee Total Return Index (Dec-31-80=100)
206	Cocoa-TR	1	0	S&P Gsci Cocoa Total Return Index (Dec-30-83=100)
207	Livestock-TR	1	0	S&P Gsci Livestock Total Return Index (Jan-2-70=100)
208	Cattle-TR	1	0	S&P Gsci Live Cattle Total Return Index (Dec-31-69=100)
209	Hogs-TR	1	0	S&P Gsci Lean Hogs Total Return Index (Dec-31-75=100)
210	Softs-TR	1	0	S&P Gsci Softs Total Return Index (Jan-16-95=100)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Commodities				
211	Non-Energy-TR	1	0	S&P Gsci Non-Energy Total Return Index (Jan-2-70=100)
212	Light-Energy-TR	1	0	S&P Gsci Light Energy Cpw 4 Total Return Index (Jan-02-70=100)
213	Ultra-Energy-TR	1	0	S&P Gsci Ultra-Light Energy Cpw 8 Total Return Index (Jan=2-70=100)
214	Four Energy-TR	1	0	S&P Gsci Four Energy Commodities Total Return Index (Jan-16-95=100)
215	Energy & Metals-TR	1	0	S&P Gsci Energy And Metals Total Return Index (Jan-6-95=100)
216	Grains-TR	1	0	S&P Gsci Grains Total Return Index (Jan-5-70-100)
217	All Wheat-TR	1	0	S&P Gsci All Wheat Total Return Index
218	All Crude-TR	1	0	S&P Gsci All Crude Total Return Index (Dec-31-86=100)
219	Biofuel-TR	1	0	S&P Gsci Biofuel Total Return Index (Jan-16-95=100)
220	1M-fwd-TR	1	0	S&P Gsci 1 Month Forward Total Return Index (Jan-16-95=100)
221	2M-fwd-TR	1	0	S&P Gsci 2 Month Forward Total Return Index (Jan-16-95=100)
222	3M-fwd-TR	1	0	S&P Gsci 3 Month Forward Total Return Index (Jan-16-95=100)
223	4M-fwd-TR	1	0	S&P Gsci 4 Month Forward Total Return Index (Jan-16-95=100)
224	5M-fwd-TR	1	0	S&P Gsci 5 Month Forward Total Return Index (Jan-16-95=100)
225	PM FIX	5	0	Cash Price: London Gold Bullion, Pm Fix (Us\$/Troy Oz)
226	Phil-Gold	5	0	Philadelphia Exchange: Gold & Silver Index (Close, 6/7/89=90)
227	Phil-Semicond	5	0	Philadelphia Semiconductor Index (12/01/93=100)
228	LCC1-D	5	1	Live Cattle Futures
229	CCC1-D	5	1	CSCE Cocoa Futures Prices (USD/Metric Ton)
230	KCC1-D	5	1	CSCE Coffee Futures Prices
231	HGC1-D	5	0	COMEX High Grade Copper Futures Prices
232	CC1-ID	5	0	CBOT Corn Futures Prices
233	GCC1-D	5	1	COMEX Gold Futures Prices
234	LHC1-D	5	1	Live Hog Futures
235	OC1-ID	5	1	Oat Futures Price
236	BOC1-D	5	1	Soybean Oil Futures Price (Cents/Pound)
237	C-US2D	5	1	Corn Spot Price (US\$/Bushel)
238	OATS-D	5	1	Oat Spot Price (US\$/Bushel)
239	XPD-D	5	1	Palladium (USD per Troy Ounce)
240	PL-NYD	5	1	Platinum Cash Price (US\$/Ounce)
241	BO1599D	5	1	Soybean Oil Cash Price (Cents/Pound)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Corporate Risk				
1	MLM-AllFhlmc	2	0	Merrill Lynch Mortgages: All Fhlmc & Fnma 30 Year: Effective Yield (%)
2	MLM-Fnma	2	0	Merrill Lynch Mortgages: Fnma 30 Year Current Coupon: Effective Yield (%)
3	MLM-Gnma	2	0	Merrill Lynch Mortgages: Gnma 30 Year Current Coupon: Effective Yield (%)
4	Moodys AAA	2	0	Moody's Seasoned Aaa Corporate Bond Yield (% P.A.)
5	Moodys BAA	2	0	Moody's Seasoned Baa Corporate Bond Yield (% P.A.)
6	ML-domEff	2	0	Merrill Lynch Domestic Master: Effective Yield (%)
7	ML-broad mkt	2	0	Merrill Lynch Broad Market: Effective Yield (%)
8	ML-CorpEff	2	0	Merrill Lynch Corporate & Government Master: Effective Yield (%)
9	ML-CorpYTW	2	0	Merrill Lynch Corporate & Government Master: Yield To Worst (%)
10	ML-domYTW	2	0	Merrill Lynch Domestic Master: Yield To Worst (%)
11	ML-broadYTW	2	0	Merrill Lynch Broad Market: Yield To Worst (%)
12	ML-CorpYTM	2	0	Merrill Lynch Corporate & Government Master: Yield To Maturity (%)
13	ML-domYTM	2	0	Merrill Lynch Domestic Master: Yield To Maturity (%)
14	ML broadYTM	2	0	Merrill Lynch Broad Market: Yield To Maturity (%)
15	ML-CorpEff	2	0	Merrill Lynch Corporate Master: Effective Yield (%)
16	MLAAA-Eff	2	0	Merrill Lynch Corporate Bonds: Aaa Rated: Effective Yield (%)
17	MLAA-Eff	2	0	Merrill Lynch Corporate Bonds: Aa Rated: Effective Yield (%)
18	MLA-Eff	2	0	Merrill Lynch Corporate Bonds: A Rated: Effective Yield (%)
19	MLBBB-Eff	2	0	Merrill Lynch Corporate Bonds: Bbb Rated: Effective Yield (%)
20	MLI-Eff	2	0	Merrill Lynch Corporate Bonds: Industrials: Effective Yield (%)
21	MLI7-10Y-Eff	2	0	Merrill Lynch Corporate Bonds: Industrials: 7 To 10 Years: Effective Yield (%)
22	MLIAAA-Eff	2	0	Merrill Lynch Corporate Bonds: Industrials: Aaa Rated: Effective Yield (%)
23	MLIAA-Eff	2	0	Merrill Lynch Corporate Bonds: Industrials: Aa Rated: Effective Yield (%)
24	MLIA-Eff	2	0	Merrill Lynch Corporate Bonds: Industrials: A Rated: Effective Yield (%)
25	MLIBBB-Eff	2	0	Merrill Lynch Corporate Bonds: Industrials: Bbb Rated: Effective Yield (%)
26	MLF-Eff	2	0	Merrill Lynch Corporate Bonds: Financials: Effective Yield (%)
27	MLF7-10Y-Eff	2	0	Merrill Lynch Corporate Bonds: Financials: 7 To 10 Years: Effective Yield (%)
28	MLFAAA-Eff	2	0	Merrill Lynch Corporate Bonds: Financials: Aaa Rated: Effective Yield (%)
29	MLFAA-Eff	2	0	Merrill Lynch Corporate Bonds: Financials: Aa Rated: Effective Yield (%)
30	MLFA-Eff	2	0	Merrill Lynch Corporate Bonds: Financials: A Rated: Effective Yield (%)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Corporate Risk				
31	MLFBBB-Eff	2	0	Merrill Lynch Corporate Bonds: Financials: Bbb Rated: Effective Yield (%)
32	MLU-Eff	2	0	Merrill Lynch Corporate Bonds: Utilities: Effective Yield (%)
33	MLU7-10Y-Eff	2	0	Merrill Lynch Corporate Bonds: Utilities: 7 To 10 Years: Effective Yield (%)
34	MLUAA-Eff	2	0	Merrill Lynch Corporate Bonds: Utilities: Aa Rated: Effective Yield (%)
35	MLUA-Eff	2	0	Merrill Lynch Corporate Bonds: Utilities: A Rated: Effective Yield (%)
36	MLUBBB-Eff	2	0	Merrill Lynch Corporate Bonds: Utilities: Bbb Rated: Effective Yield (%)
37	MLHY-Eff	2	0	Merrill Lynch High Yield Corporate Master Ii: Effective Yield (%)
38	MLHY-BBEff	2	0	Merrill Lynch High Yield Corporates: Bb Rated: Effective Yield (%)
39	MLHY-BEfl	2	0	Merrill Lynch High Yield Corporates: B Rated: Effective Yield (%)
40	MLHY-CCCEff	2	0	Merrill Lynch High Yield Corporates: Rated: Ccc & Lower: Effective Yield (%)
41	MLHY-CPEff	2	0	Merrill Lynch High Yield Corporates: Cash Pay: Effective Yield (%)
42	MLHY-CPBBEfl	2	0	Merrill Lynch High Yield Corporates: Cash Pay: Bb Rated: Effective Yield (%)
43	MLHY-CPBEfl	2	0	Merrill Lynch High Yield Corporates: Cash Pay: B Rated: Effective Yield (%)
44	MLHY-CPCCEfl	2	0	Merrill Lynch High Yield: Cash Pay: Rated Ccc & Lower: Effective Yield (%)
45	MLM-Eff	2	0	Merrill Lynch Mortgage Master: Effective Yield (%)
46	MLHome	2	0	Merrill Lynch Asset-Backeds: Home Equity: Fixed Rate: Effective Yield (%)
47	MLAuto	2	0	Merrill Lynch Asset-Backeds: Automobiles Fixed Rate: Effective Yld(%)
48	MLT-Eff	2	0	Merrill Lynch Treasury Master: Effective Yield (%)
49	MLTAAA-Eff	2	0	Merrill Lynch Treasury/Agency Master: Aaa Rated: Effective Yield (%)
50	MLAgency	2	0	Merrill Lynch Agency Master: Aaa Rated: Effective Yield (%)
51	MLT-YTW	2	0	Merrill Lynch Treasury Master: Yield To Worst (%)
52	MLT10Y-YTW	2	0	Merrill Lynch Treasuries: Current 10 Year: Yield To Worst (%)
53	MLTAAA-YTW	2	0	Merrill Lynch Treasury/Agency Master: Aaa Rated: Yield To Worst (%)
54	MLAgencyAAA-YTW	2	0	Merrill Lynch Agency Master: Aaa Rated: Yield To Worst (%)
55	MLT-YTM	2	0	Merrill Lynch Treasury Master: Yield To Maturity (%)
56	MLT10Y-YTM	2	0	Merrill Lynch Treasuries: Current 10 Year: Yield To Maturity (%)
57	MLTAAA-YTM	2	0	Merrill Lynch Treasury/Agency Master: Aaa Rated: Yield To Maturity (%)
58	MLAgencyAAA-YTM	2	0	Merrill Lynch Agency Master: Aaa Rated: Yield To Maturity (%)
59	ML1-3Y	2	0	Merrill Lynch Corporate Bonds: 1 To 3 Years: Effective Yield (%)
60	MLI1-3Y	2	0	Merrill Lynch Corporate Bonds: Industrials: 1 To 3 Years: Effective Yield (%)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Corporate Risk				
61	MLF1-3Y	2	0	Merrill Lynch Corporate Bonds: Financials: 1 To 3 Years: Effective Yield (%)
62	MLU1-3Y	2	0	Merrill Lynch Corporate Bonds: Utilities: 1 To 3 Years: Effective Yield (%)
63	ML3-5Y	2	0	Merrill Lynch Corporate Bonds: 3 To 5 Years: Effective Yield (%)
64	MLI3-5Y	2	0	Merrill Lynch Corporate Bonds: Industrials: 3 To 5 Years: Effective Yield (%)
65	MLF3-5Y	2	0	Merrill Lynch Corporate Bonds: Financials: 3 To 5 Years: Effective Yield (%)
66	MLU3-5Y	2	0	Merrill Lynch Corporate Bonds: Utilities: 3 To 5 Years: Effective Yield (%)
67	ML5-7Y	2	0	Merrill Lynch Corporate Bonds: 5 To 7 Years: Effective Yield (%)
68	MLI5-7Y	2	0	Merrill Lynch Corporate Bonds: Industrials: 5 To 7 Years: Effective Yield (%)
69	MLF5-7Y	2	0	Merrill Lynch Corporate Bonds: Financials: 5 To 7 Years: Effective Yield (%)
70	MLU5-7Y	2	0	Merrill Lynch Corporate Bonds: Utilities: 5 To 7 Years: Effective Yield (%)
71	6M-LIBOR\$	2	0	6-Month London Interbank Offered Rate: Based On U.S\$ (%)
72	1Y-LIBOR\$	2	0	1-Year London Interbank Offered Rate: Based On U.S\$ (%)
73	LIBOR	2	1	Overnight London Interbank Offered Rate (%)
74	7DLIBOR	2	0	7-Day London Interbank Offered Rate (%)
75	1MLIBOR	2	1	1-Month London Interbank Offered Rate (%)
76	3MLIBOR	2	1	3-Month London Interbank Offered Rate (%)
77	6MLIBOR	2	1	6-Month London Interbank Offered Rate (%)
78	1YLIBOR	2	1	One-Year London Interbank Offered Rate (%)
79	LIBR	2	0	Overnight London Interbank Bid Rate (%)
80	7DLIBR	2	0	7-Day London Interbank Bid Rate (%)
81	1MLIBR	2	0	1-Month London Interbank Bid Rate (%)
82	6MLIBR	2	0	6-Month London Interbank Bid Rate (%)
83	1YLIBR	2	0	One-Year London Interbank Bid Rate (%)
84	1M-NonFCP	2	0	1-Month Nonfinancial Commercial Paper (% Per Annum)
85	1M-FCP	2	0	1-Month Financial Commercial Paper (% Per Annum)
86	1M-CD	2	0	1-Month Certificates Of Deposit, Secondary Market (% P.A.)
87	3M-CD	2	0	3-Month Certificates Of Deposit, Secondary Market (% P.A.)
88	6M-CD	2	0	6-Month Certificates Of Deposit, Secondary Market (% P.A.)
89	1M-EURO	2	0	1-Month Eurodollar Deposits (London Bid) (% P.A.)
90	3M-EURO	2	0	3-Month Eurodollar Deposits (London Bid) (% P.A.)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Corporate Risk				
91	6M-EURO	2	0	6-Month Eurodollar Deposits (London Bid) (% P.A.)
92	1D-AANonFCP	2	0	1-Day Aa Nonfinancial Commercial Paper (% Per Annum)
93	7D-AANonFCP	2	0	7-Day Aa Nonfinancial Commercial Paper (% Per Annum)
94	15D-AANonFCP	2	0	15-Day Aa Nonfinancial Commercial Paper (% Per Annum)
95	1M-AANonFCP	2	0	1-Month Aa Nonfinancial Commercial Paper (% Per Annum)
96	1D-A2/P2/F2	2	0	1-Day A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum)
97	7D-A2/P2/F3	2	0	7-Day A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum)
98	15D-A2/P2/F4	2	0	15-Day A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum)
99	1M-A2/P2/F5	2	0	1-Month A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum)
100	2M-A2/P2/F6	2	0	2-Month A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum)
101	1D-AAFCP	2	0	1-Day Aa Financial Commercial Paper (% Per Annum)
102	7D-AAFCP	2	0	7-Day Aa Financial Commercial Paper (% Per Annum)
103	15D-AAFCP	2	0	15-Day Aa Financial Commercial Paper (% Per Annum)
104	1M-AAFCP	2	0	1-Month Aa Financial Commercial Paper (% Per Annum)
105	MLM-AllFhlmc-Y30-Tbond	1	0	Merrill Lynch Mortgages: All Fhlmc & Fnma 30 Year: Effective Yield (%)-Y30-Tbond
106	MLM-Fnma-Y30-Tbond	1	0	Merrill Lynch Mortgages: Fnma 30 Year Current Coupon: Effective Yield (%)-Y30-Tbond
107	MLM-Gnma-Y30-Tbond	1	0	Merrill Lynch Mortgages: Gnma 30 Year Current Coupon: Effective Yield (%)-Y30-Tbond
108	MAaa-10YTB	1	1	Moody'S Seasoned Aaa Corporate Bond Yield (% P.A.)-Y10-Tbond
109	MBaa-10YTB	1	1	Moody'S Seasoned Baa Corporate Bond Yield (% P.A.)-Y10-Tbond
110	ML-domEff-Y10-Tbond	1	0	Merrill Lynch Domestic Master: Effective Yield (%)-Y10-Tbond
111	ML-broad mkt-Y10-Tbond	1	0	Merrill Lynch Broad Market: Effective Yield (%)-Y10-Tbond
112	ML-CorpEff-Y10-Tbond	1	0	Merrill Lynch Corporate & Government Master: Effective Yield (%)-Y10-Tbond
113	ML-CorpYTW-Y10-Tbond	1	0	Merrill Lynch Corporate & Government Master: Yield To Worst (%)-Y10-Tbond
114	ML-domYTW-Y10-Tbond	1	0	Merrill Lynch Domestic Master: Yield To Worst (%)-Y10-Tbond
115	ML-broadYTW-Y10-Tbond	1	0	Merrill Lynch Broad Market: Yield To Worst (%)-Y10-Tbond
116	ML-CorpYTM-Y10-Tbond	1	0	Merrill Lynch Corporate & Government Master: Yield To Maturity (%)-Y10-Tbond
117	ML-domYTM-Y10-Tbond	1	0	Merrill Lynch Domestic Master: Yield To Maturity (%)-Y10-Tbond
118	ML broadYTM-Y10-Tbond	1	0	Merrill Lynch Broad Market: Yield To Maturity (%)-Y10-Tbond
119	ML-CorpEff-Y10-Tbond	1	0	Merrill Lynch Corporate Master: Effective Yield (%)-Y10-Tbond
120	MLAAA-10YTB	1	1	Merrill Lynch Corporate Bonds: Aaa Rated: Effective Yield (%)-Y10-Tbond

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Corporate Risk				
121	MLAA-10YTB	1	1	Merrill Lynch Corporate Bonds: Aa Rated: Effective Yield (%)-Y10-Tbond
122	MLA-10YTB	1	1	Merrill Lynch Corporate Bonds: A Rated: Effective Yield (%)-Y10-Tbond
123	MLBBB-10YTB	1	0	Merrill Lynch Corporate Bonds: Bbb Rated: Effective Yield (%)-Y10-Tbond
124	MLI-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Industrials: Effective Yield (%)-Y10-Tbond
125	MLI7-10Y-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Industrials: 7 To 10 Years: Effective Yield (%)-Y10-Tbond
126	MLIAAA-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Industrials: Aaa Rated: Effective Yield (%)-Y10-Tbond
127	MLIAA-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Industrials: Aa Rated: Effective Yield (%)-Y10-Tbond
128	MLIA-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Industrials: A Rated: Effective Yield (%)-Y10-Tbond
129	MLIBBB-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Industrials: Bbb Rated: Effective Yield (%)-Y10-Tbond
130	MLF-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Financials: Effective Yield (%)-Y10-Tbond
131	MLF7-10Y-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Financials: 7 To 10 Years: Effective Yield (%)-Y10-Tbond
132	MLFAAA-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Financials: Aaa Rated: Effective Yield (%)-Y10-Tbond
133	MLFAA-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Financials: Aa Rated: Effective Yield (%)-Y10-Tbond
134	MLFA-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Financials: A Rated: Effective Yield (%)-Y10-Tbond
135	MLFBBB-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Financials: Bbb Rated: Effective Yield (%)-Y10-Tbond
136	MLU-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Utilities: Effective Yield (%)-Y10-Tbond
137	MLU7-10Y-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Utilities: 7 To 10 Years: Effective Yield (%)-Y10-Tbond
138	MLUAA-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Utilities: Aa Rated: Effective Yield (%)-Y10-Tbond
139	MLUA-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Utilities: A Rated: Effective Yield (%)-Y10-Tbond
140	MLUBBB-Eff-Y10-Tbond	1	0	Merrill Lynch Corporate Bonds: Utilities: Bbb Rated: Effective Yield (%)-Y10-Tbond
141	MLHY-Eff-Y10-Tbond	1	0	Merrill Lynch High Yield Corporate Master Ii: Effective Yield (%)-Y10-Tbond
142	MLHY-BBEff-Y10-Tbond	1	0	Merrill Lynch High Yield Corporates: Bb Rated: Effective Yield (%)-Y10-Tbond
143	MLHY-BEeff-Y10-Tbond	1	0	Merrill Lynch High Yield Corporates: B Rated: Effective Yield (%)-Y10-Tbond
144	MLHY-CCCEff-Y10-Tbond	1	0	Merrill Lynch High Yield Corporates: Rated: Ccc & Lower: Effective Yield (%)- Y10-Tbond
145	MLHY-CPEff-Y10-Tbond	1	0	Merrill Lynch High Yield Corporates: Cash Pay: Effective Yield (%)-Y10-Tbond
146	MLHY-CPBBEeff-Y10-Tbond	1	0	Merrill Lynch High Yield Corporates: Cash Pay: Bb Rated: Effective Yield (%)-Y10-Tbond
147	MLHY-CPBEeff-Y10-Tbond	1	0	Merrill Lynch High Yield Corporates: Cash Pay: B Rated: Effective Yield (%)-Y10-Tbond
148	MLHY-CPCCEeff-Y10-Tbond	1	0	Merrill Lynch High Yield: Cash Pay: Rated Ccc & Lower: Effective Yield (%)-Y10-Tbond
149	MLM-Eff-Y10-Tbond	1	0	Merrill Lynch Mortgage Master: Effective Yield (%)-Y10-Tbond
150	MLHome-Y10-Tbond	1	0	Merrill Lynch Asset-Backeds: Home Equity: Fixed Rate: Effective Yield (%)-Y10-Tbond

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Corporate Risk				
151	MLAuto-Y10-Tbond	1	0	Merrill Lynch Asset-Backeds: Automobiles Fixed Rate: Effective Yld(%)-Y10-Tbond
152	MLT-Eff-Y10-Tbond	1	0	Merrill Lynch Treasury Master: Effective Yield (%)-Y10-Tbond
153	MLTAAA-Eff-Y10-Tbond	1	0	Merrill Lynch Treasury/Agency Master: Aaa Rated: Effective Yield (%)-Y10-Tbond
154	MLAgency-Y10-Tbond	1	0	Merrill Lynch Agency Master: Aaa Rated: Effective Yield (%)-Y10-Tbond
155	MLT-YTW-Y10-Tbond	1	0	Merrill Lynch Treasury Master: Yield To Worst (%)-Y10-Tbond
156	MLT10Y-YTW-Y10-Tbond	1	0	Merrill Lynch Treasuries: Current 10 Year: Yield To Worst (%)-Y10-Tbond
157	MLTAAA-YTW-Y10-Tbond	1	0	Merrill Lynch Treasury/Agency Master: Aaa Rated: Yield To Worst (%)-Y10-Tbond
158	MLAgencyAAA-YTW-Y10-Tbond	1	0	Merrill Lynch Agency Master: Aaa Rated: Yield To Worst (%)-Y10-Tbond
159	MLT-YTM-Y10-Tbond	1	0	Merrill Lynch Treasury Master: Yield To Maturity (%)-Y10-Tbond
160	MLT10Y-YTM-Y10-Tbond	1	0	Merrill Lynch Treasuries: Current 10 Year: Yield To Maturity (%)-Y10-Tbond
161	MLTAAA-YTM-Y10-Tbond	1	0	Merrill Lynch Treasury/Agency Master: Aaa Rated: Yield To Maturity (%)-Y10-Tbond
162	MLAgencyAAA-YTM-Y10-Tbond	1	0	Merrill Lynch Agency Master: Aaa Rated: Yield To Maturity (%)-Y10-Tbond
163	ML1-3Y-Y3-Tnote	1	0	Merrill Lynch Corporate Bonds: 1 To 3 Years: Effective Yield (%)-Y3-Tnote
164	MLI1-3Y-Y3-Tnote	1	0	Merrill Lynch Corporate Bonds: Industrials: 1 To 3 Years: Effective Yield (%) -Y3-Tnote
165	MLF1-3Y-Y3-Tnote	1	0	Merrill Lynch Corporate Bonds: Financials: 1 To 3 Years: Effective Yield (%) -Y3-Tnote
166	MLU1-3Y-Y3-Tnote	1	0	Merrill Lynch Corporate Bonds: Utilities: 1 To 3 Years: Effective Yield (%) -Y3-Tnote
167	ML3-5Y-Y5-Tnote	1	0	Merrill Lynch Corporate Bonds: 3 To 5 Years: Effective Yield (%) -Y5-Tnote
168	MLI3-5Y-Y5-Tnote	1	0	Merrill Lynch Corporate Bonds: Industrials: 3 To 5 Years: Effective Yield (%) -Y5-Tnote
169	MLF3-5Y-Y5-Tnote	1	0	Merrill Lynch Corporate Bonds: Financials: 3 To 5 Years: Effective Yield (%) -Y5-Tnote
170	MLU3-5Y-Y5-Tnote	1	0	Merrill Lynch Corporate Bonds: Utilities: 3 To 5 Years: Effective Yield (%) -Y5-Tnote
171	ML5-7Y-Y7-Tnote	1	0	Merrill Lynch Corporate Bonds: 5 To 7 Years: Effective Yield (%) -Y7-Tnote
172	MLI5-7Y-Y7-Tnote	1	0	Merrill Lynch Corporate Bonds: Industrials: 5 To 7 Years: Effective Yield (%) -Y7-Tnote
173	MLF5-7Y-Y7-Tnote	1	0	Merrill Lynch Corporate Bonds: Financials: 5 To 7 Years: Effective Yield (%) -Y7-Tnote
174	MLU5-7Y-Y7-Tnote	1	0	Merrill Lynch Corporate Bonds: Utilities: 5 To 7 Years: Effective Yield (%) -Y7-Tnote
175	1D-A2/P2/F2-1D-AAF	1	0	1-Day A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum) -1-Day Aa Nonfinancial Commercial Paper (% Per Annum)
176	7D-A2/P2/F2-7D-AAF	1	0	7-Day A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum) -7-Day Aa Nonfinancial Commercial Paper (% Per Annum)
177	15D-A2/P2/F2-15D-AAF	1	0	15-Day A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum) -15-Day Aa Nonfinancial Commercial Paper (% Per Annum)
178	APFNF-AAF	1	1	1-Month A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum) -1-Month Aa Nonfinancial Commercial Paper (% Per Annum)
179	1D-A2/P2/F2-1D-AAF	1	0	1-Day A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum) -1-Day Aa Financial Commercial Paper (% Per Annum)
180	7D-A2/P2/F2-7D-AAF	1	0	7-Day A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum) -7-Day Aa Financial Commercial Paper (% Per Annum)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Corporate Risk				
181	15D-A2/P2/F3-15D-AANF	1	0	15-Day A2/P2/F2 Nonfin. Com. Paper (% Per Annum) -15-Day Aa Fin. Com. Paper (% p.a)
182	APFNF-AAF	1	1	1-Month A2/P2/F2 Nonfin. Com. Paper (% Per Annum) -1-Month Aa Fin. Com. Paper (% p.a)
183	LIBOR -FF	1	0	Overnight London Interbank Offered Rate (%) -Ff
184	7DLIBOR -FF	1	0	7-Day London Interbank Offered Rate (%) -Ff
185	1MLIBOR -FF	1	0	1-Month London Interbank Offered Rate (%) -Ff
186	3MLIBOR -FF	1	0	3-Month London Interbank Offered Rate (%) -Ff
187	6MLIBOR -FF	1	0	6-Month London Interbank Offered Rate (%) -Ff
188	1YLIBOR -FF	1	0	One-Year London Interbank Offered Rate (%) -Ff
189	1M-NonFCP-FF	1	0	1-Month Nonfinancial Commercial Paper (% Per Annum) -Ff
190	1M-FCP-FF	1	0	1-Month Financial Commercial Paper (% Per Annum) -Ff
191	1M-CD-FF	1	0	1-Month Certificates Of Deposit, Secondary Market (% P.A.) -Ff
192	3M-CD-FF	1	0	3-Month Certificates Of Deposit, Secondary Market (% P.A.) -Ff
193	6M-CD-FF	1	0	6-Month Certificates Of Deposit, Secondary Market (% P.A.) -Ff
194	1MEuro-FF	1	1	1-Month Eurodollar Deposits (London Bid) (% P.A.) -Ff
195	3MEuro-FF	1	1	3-Month Eurodollar Deposits (London Bid) (% P.A.) -Ff
196	6MEuro-FF	1	1	6-Month Eurodollar Deposits (London Bid) (% P.A.) -Ff
197	1D-AANonFCP-FF	1	0	1-Day Aa Nonfinancial Commercial Paper (% Per Annum) -Ff
198	7D-AANonFCP-FF	1	0	7-Day Aa Nonfinancial Commercial Paper (% Per Annum) -Ff
199	15D-AANonFCP-FF	1	0	15-Day Aa Nonfinancial Commercial Paper (% Per Annum) -Ff
200	1M-AANonFCP-FF	1	0	1-Month Aa Nonfinancial Commercial Paper (% Per Annum) -Ff
201	1D-A2/P2/F2-FF	1	0	1-Day A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum) -Ff
202	7D-A2/P2/F2-FF	1	0	7-Day A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum) -Ff
203	15D-A2/P2/F3-FF	1	0	15-Day A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum) -Ff
204	1M-A2/P2/F5-FF	1	0	1-Month A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum) -Ff
205	2M-A2/P2/F6-FF	1	0	2-Month A2/P2/F2 Nonfinancial Commercial Paper (% Per Annum) -Ff
206	1D-AAFCP-FF	1	0	1-Day Aa Financial Commercial Paper (% Per Annum) -Ff
207	7D-AAFCP-FF	1	0	7-Day Aa Financial Commercial Paper (% Per Annum) -Ff
208	15D-AAFCP-FF	1	0	15-Day Aa Financial Commercial Paper (% Per Annum) -Ff
209	1M-AAFCP-FF	1	0	1-Month Aa Financial Commercial Paper (% Per Annum) -Ff
210	TED	1	1	Ted 3Month Tbill-3-Month London Interbank Offered Rate (%) -Ff

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Equity				
1	DJI	5	1	Stock price averages: Dow Jones 30 Industrials, NYSE (close)
2	DJI10	5	0	Stock price averages: Dow Jones 10 Industrials, NYSE
3	DJI5	5	0	Stock price averages: Dow Jones 5 Industrials, NYSE
4	DJI20	5	0	Stock price averages: Dow Jones 20 Transportation, NYSE (close)
5	DJI15	5	0	Stock price averages: Dow Jones 15 Utilities, NYSE (close)
6	DJI65	5	0	Stock price averages: Dow Jones 65 Composite, NYSE (close)
7	DJInterComm	5	0	Dow Jones internet commerce index (6/30/98=100)
8	DJInterServ	5	0	Dow Jones internet services (6/30/98=100)
9	DJInterComp	5	0	Dow Jones internet composite index (6/30/98=100)
10	SP100	5	0	Stock price index: Standard & Poor's 100 (close, 1/2/76=100)
11	S&P500	5	1	Standard & Poor's 500 Stock price index (1941-43=10)
12	SPI	5	1	Standard & Poor's 500 Industrial stock price index (1941-43=100)
13	SPF	5	0	S&P 500: Financials-GICS (12/30/94=100)
14	Spcap	5	0	Standard & Poor's smallcap 600 stock price index (12/31/93=100)
15	Nasdaq	5	1	Stock price index:Nasdaq Composite (2/5/71=100)
16	NasdaqI	5	0	Stock price index:Nasdaq Industrials (2/5/71=100)
17	Nasdaq100	5	1	Stock price index:Nasdaq 100
18	NYSE	5	0	Stock price index:NYSE Composite (Dec.31, 2002=5000)
19	Alt-AVG	5	0	Stock price index:Alternext average (8/31/73=100)
20	Alt-I	5	0	Alternext interactive week internet index
21	Alt-MM	5	0	Alternext major markets index (close, 1/27/89=229)
22	DIJcap	5	0	Dow Jones U.S. total stock market index [full cap] (Dec 31-70=830.27)
23	Russell2000	5	0	Russell 2000 share price index (12/31/86=135)
24	Russell-growth	5	0	Russell 2000 growth share price index (5/31/93=1000)
25	Russell-value	5	0	Russell 2000 value share price index (5/31/93=1000)
26	PSE	5	0	PSE technology 100 index (5/18/93=100.1)
27	ArtmIndex	5	0	Value line arithmetic index
28	GeoIndex	5	0	Value line geometric index
29	DJTR	1	0	Dow Jones U.S. total stock market total return index (Dec 31-70=830.27)
30	DJCTR	1	0	Dow Jones U.S. completion total stock market total return index (Jan 30-87=1.11)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Equity				
31	VIX or VXO	1	1	CBOE market volatility index, VIX
32	Put/Call	1	0	CBOE market stats: put/call ratio
33	Put/Call-sum	1	0	CBOE market stats: sum of all products: put/call ratio
34	Put/Call-option	1	0	CBOE market stats: Index option: put/call ratio
35	Put/Call-DIJI	1	0	CBOE market stats: Dow Jones Industrial AVG [DJX]: put/call ratio
36	Put/Call-SP500	1	0	CBOE market stats: S&P 500 index [SPX]: put/call ratio
37	Put/Call-SP100	1	0	CBOE market stats: S&P 100 index [OEX]: put/call ratio
38	Put/Call-Nasdaq	1	0	CBOE market stats: Nasdaq 100 index [NDX]: put/call ratio
39	Put/Call-Russel	1	0	CBOE market stats: Russell 2000 index [RUT]: put/call ratio
40	NYSE-figures	5	0	NYSE volume traded: preliminary and final figures (thousand shares)
41	NYSE-WSJ	5	0	NYSE volume traded: WSJ preliminary estimates (thousand shares)
42	NYSE-adv	5	0	NYSE: number of advancing stocks (units)
43	NYSE-decl	5	0	NYSE: number of declining stocks (units)
44	Nasdaq	5	0	Nasdaq: stock volume (thousand shares)
45	Nasdaq-adv	5	0	Nasdaq: number of advancing stocks (units)
46	Nasdaq-decl	5	0	Nasdaq: number of declining stocks (units)
47	FT	5	0	Stock price index: UK: London Financial Times 100 (1/2/84=1000)
48	Eurofirst-FTSE	5	0	Eurofirst 300: FTSE share price index (7/25/97=1000)
49	Eurofirst Eurozone	5	0	Eurofirst 300 Eurozone: FTSE share price index (7/25/97=1000)
50	DJGI	5	0	Dow Jones global index: world (AVG, 12/31/91=100)
51	DJGI-excl US	5	0	Dow Jones global index: world excl U.S. (AVG, 12/31/91=100)
52	DJ50Europe-US	5	0	Europe: DJ stoxx 50 price index: based in US\$ (EOP, 12/31/91=1000)
53	DJ50Eurozone-Euro	5	0	Euro-zone: DJ Euro stoxx 50 price index: based in Euro (EOP, 12/31/91=1000)
54	DJ50Eurozone-US	5	0	Euro-zone: DJ Euro stoxx 50 price index: based in US\$ (EOP, 12/31/91=1000)
55	DJEurope-Euro	5	0	Europe: DJ stoxx broad price index: based in Euro (EOP, 12/31/91=100)
56	DJEurope-US	5	0	Europe: DJ stoxx broad price index: based in US\$ (EOP, 12/31/91=100)
57	DJEurozone-Euro	5	0	Euro-zone: DJ euro stoxx broad price index: based in Euro (EOP, 12/31/91=100)
58	DJEurozone-US	5	0	Euro-zone: DJ euro stoxx broad price index: based in US\$ (EOP, 12/31/91=100)
59	NYSE	2	0	Daily bond volume: New York stock exchange (thous.\$)
60	MLVIX-1M	5	0	Merrill Lynch option volatility estimate index: 1-month

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Equity				
61	MLVIX-3M	5	0	Merrill Lynch option volatility estimate index: 3-month
62	MLSV-3M	5	0	Merrill Lynch swaption volatility estimate index: 3-month
63	MLSV-6M	5	0	Merrill Lynch swaption volatility estimate index: 6-month
64	DJ-AIG	5	0	Dow Jones-AIG spot price index (1/7/91=100)
65	MKT-RF	1	1	MKT-RF
66	SMB	1	1	French Data
67	HML	1	1	French Data
68	UMD	1	1	French Data
69	Agric	1	0	Agric
70	Food	1	0	Food
71	Soda	1	0	Soda
72	Beer	1	0	Beer
73	Smoke	1	0	Smoke
74	Toys	1	0	Toys
75	Fun	1	0	Fun
76	Books	1	0	Books
77	HSHLD	1	0	HSHLD
78	CLTHS	1	0	CLTHS
79	HLTH	1	0	HLTH
80	MEDEQ	1	0	MEDEQ
81	Drugs	1	0	Drugs
82	CHEMS	1	0	CHEMS
83	RUBBR	1	0	RUBBR
84	TXTLS	1	0	TXTLS
85	BLDMT	1	0	BLDMT
86	CNSTR	1	0	CNSTR
87	STEEL	1	0	STEEL
88	FABPR	1	0	FABPR
89	MACH	1	0	MACH
90	ELCEQ	1	0	ELCEQ

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Equity				
91	AUTOS	1	0	AUTOS
92	AERO	1	0	AERO
93	Ships	1	0	Ships
94	Guns	1	0	Guns
95	Gold	1	0	Gold
96	Mines	1	0	Mines
97	Coal	1	0	Coal
98	Oil	1	0	Oil
99	UTIL	1	0	UTIL
100	TELCM	1	0	TELCM
101	PERSV	1	0	PERSV
102	BUSSV	1	0	BUSSV
103	HARDW	1	0	HARDW
104	SOFTW	1	0	SOFTW
105	Chips	1	0	Chips
106	LABEQ	1	0	LABEQ
107	Paper	1	0	Paper
108	Boxes	1	0	Boxes
109	TRANS	1	0	TRANS
110	WHLSL	1	0	WHLSL
111	RTAIL	1	0	RTAIL
112	Meals	1	0	Meals
113	Banks	1	0	Banks
114	INSUR	1	0	INSUR
115	RLEST	1	0	RLEST
116	FIN	1	0	FIN
117	other	1	0	other
118	1-Low	1	0	1-Low
119	1-2	1	0	1-2
120	1-3	1	0	1-3

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Equity				
121	1-4	1	0	1-4
122	1-5	1	0	1-5
123	1-6	1	0	1-6
124	1-7	1	0	1-7
125	1-8	1	0	1-8
126	1-9	1	0	1-9
127	1-high	1	0	1-high
128	2-low	1	0	2-low
129	2-2	1	0	2-2
130	2-3	1	0	2-3
131	2-4	1	0	2-4
132	2-5	1	0	2-5
133	2-6	1	0	2-6
134	2-7	1	0	2-7
135	2-8	1	0	2-8
136	2-9	1	0	2-9
137	2-high	1	0	2-high
138	3-low	1	0	3-low
139	3-2	1	0	3-2
140	3-3	1	0	3-3
141	3-4	1	0	3-4
142	3-5	1	0	3-5
143	3-6	1	0	3-6
144	3-7	1	0	3-7
145	3-8	1	0	3-8
146	3-9	1	0	3-9
147	3-high	1	0	3-high
148	4-low	1	0	4-low
149	4-2	1	0	4-2
150	4-3	1	0	4-3

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Equity				
151	4-4	1	0	4-4
152	4-5	1	0	4-5
153	4-6	1	0	4-6
154	4-7	1	0	4-7
155	4-8	1	0	4-8
156	4-9	1	0	4-9
157	4-high	1	0	4-high
158	5-low	1	0	5-low
159	5-2	1	0	5-2
160	5-3	1	0	5-3
161	5-4	1	0	5-4
162	5-5	1	0	5-5
163	5-6	1	0	5-6
164	5-7	1	0	5-7
165	5-8	1	0	5-8
166	5-9	1	0	5-9
167	5-high	1	0	5-high
168	6-low	1	0	6-low
169	6-2	1	0	6-2
170	6-3	1	0	6-3
171	6-4	1	0	6-4
172	6-5	1	0	6-5
173	6-6	1	0	6-6
174	6-7	1	0	6-7
175	6-8	1	0	6-8
176	6-9	1	0	6-9
177	6-high	1	0	6-high
178	7-low	1	0	7-low
179	7-2	1	0	7-2
180	7-3	1	0	7-3

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Equity				
181	7-4	1	0	7-4
182	7-5	1	0	7-5
183	7-6	1	0	7-6
184	7-7	1	0	7-7
185	7-8	1	0	7-8
186	7-9	1	0	7-9
187	7-high	1	0	7-high
188	8-low	1	0	8-low
189	8-2	1	0	8-2
190	8-3	1	0	8-3
191	8-4	1	0	8-4
192	8-5	1	0	8-5
193	8-6	1	0	8-6
194	8-7	1	0	8-7
195	8-8	1	0	8-8
196	8-9	1	0	8-9
197	8-high	1	0	8-high
198	9-low	1	0	9-low
199	9-2	1	0	9-2
200	9-3	1	0	9-3
201	9-4	1	0	9-4
202	9-5	1	0	9-5
203	9-6	1	0	9-6
204	9-7	1	0	9-7
205	9-8	1	0	9-8
206	9-9	1	0	9-9
207	9-high	1	0	9-high
208	10-low	1	0	10-low
209	10-2	1	0	10-2
210	10-3	1	0	10-3

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Equity				
211	10-4	1	0	10-4
212	10-5	1	0	10-5
213	10-6	1	0	10-6
214	10-7	1	0	10-7
215	MorgCyclic	5	0	Morgan Stanley Cyclical Index (911231=200)
216	MorgCons	5	0	Morgan Stanley Consumer Index (911231=200)
217	MorgHighTech	5	0	Morgan Stanley High Tech 35 Index (12/16/94=100)
218	S&P500 Fut	5	1	S&P 500 Futures price: 1st expiring contract settlement (Index)
219	S&P500toVIX	5	1	S&P500/VIX
220	DJI Fut	5	1	Dow Jones Industrials Futures Contract
221	DJITOVXD	5	0	DJITOVXD

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Foreign Exchange Rate				
1	Inter-Euro	5	0	International currency rate: Euro: short-term (%)
2	Inter-Canadian\$	5	0	International currency rate: Canadian dollar: short-term (%)
3	Inter-Singapore\$	5	0	International currency rate: Singapore dollar: short-term (%)
4	Inter-Swiss franc	5	0	International currency rate: Swiss franc: short-term (%)
5	Inter-Pound	5	0	International currency rate: U.K. pound: short-term (%)
6	Inter-US\$	5	0	International currency rate: U.S. dollar: short-term (%)
7	US\$/Australian\$	5	0	Foreign exchange rate: Australia (US\$/Australian\$)
8	FX-Real/US\$	5	0	Foreign exchange rate: Brazil (Real/US\$)
9	FX-C\$/US\$	5	0	Foreign exchange rate: Canada (C\$/US\$)
10	FX-Yuan/US\$	5	0	Foreign exchange rate: People's Republic of China (Yuan/US\$)
11	FX-US\$/Euro	5	0	Foreign exchange rate: European Monetary Union (US\$/Euro)
12	FX-Hong Kong\$/US\$	5	0	Foreign exchange rate: Hong Kong (Dollar/US\$)
13	FX-Indian Rupee/US\$	5	0	Foreign exchange rate: Indian (Rupee/US\$)
14	FX-Yen/US\$	5	0	Foreign exchange rate: Japan (Yen/US\$)
15	FX-Peso/US\$	5	0	Foreign exchange rate: Mexico (Peso/US\$)
16	FX-Singapore\$/US\$	5	0	Foreign exchange rate: Singapore (Singapore dollar/US\$)
17	FX-Won/US\$	5	0	Foreign exchange rate: South Korea (Won/US\$)
18	FX-Krona/US\$	5	0	Foreign exchange rate: Sweden (Krona/US\$)
19	FX-Swiss Franc/US\$	5	0	Foreign exchange rate: Switzerland (Swiss Franc/US\$)
20	FX-Taiwan\$/US\$	5	0	Foreign exchange rate: Taiwan (Taiwan dollar/US\$)
21	FX-Baht/US\$	5	0	Foreign exchange rate: Thailand (Baht/US\$)
22	FX-Pound/US\$	5	0	Foreign exchange rate: United Kingdom (Pound/US\$)
23	FX-Bolivar Fuerte/US\$	5	0	Foreign exchange rate: Venezuela (Bolivar Fuerte/US\$)
24	FX-Schilling/US\$	5	0	Foreign exchange rate: Austria (Schilling/US\$)
25	FX-Franc/US\$	5	0	Foreign exchange rate: Belgium (Franc/US\$)
26	FX-Markka/US\$	5	0	Foreign exchange rate: Finland (Markka/US\$)
27	FX-Franc/US\$	5	0	Foreign exchange rate: France (Franc/US\$)
28	FX-D. Mark/US\$	5	0	Foreign exchange rate: Germany (D. Mark/US\$)
29	FX-US\$/Pound	5	0	Foreign exchange rate: Ireland (US\$/Pound)
30	FX-Lira/US\$	5	0	Foreign exchange rate: Italy (Lira/US\$)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Foreign Exchange Rate				
31	FX-Guilder/US\$	5	0	Foreign exchange rate: Netherlands (Guilder/US\$)
32	FX-Escudo/US\$	5	0	Foreign exchange rate: Portugal (Escudo/US\$)
33	FX-Peseta/US\$	5	0	Foreign exchange rate: Spain (Peseta/US\$)
34	FX-A\$/US\$	5	0	FRB exchange rate: Australia/United States (A\$/US\$)
35	FX-Euro/US\$	5	0	FRB exchange rate: United States/European Monetary Union (Euro/US\$)
36	FX-Pound/US\$	5	0	FRB exchange rate: United Kingdom/United States (Pound/US\$)
37	FX-Rupee/US\$	5	0	Foreign exchange rate: Sri Lanka (Rupee/US\$)
38	NomEXR-US	5	0	Nominal broad trade-weighted exchange value of the US\$ (1/97=100)
39	NomEXR-USvsMC	5	0	Nominal trade-weighted exch value of US\$ vs major currencies (3/73=100)
40	NomEXR-USvsOIPT	5	0	Nominal trade-weighted exchange value of US\$ vs OITP (1/97=100)
41	JP EXR-US	5	0	JP Morgan trade-weighted exchange rate index: U.S. (2000=100)
42	Argentina Pesos/US\$	5	0	Argentina: spot exchange middle rate, NY close (Pesos/US\$)
43	Australian\$/US\$	5	0	Australia: spot exchange middle rate, NY close (Australian\$/US\$)
44	Reals/US\$	5	0	Brazil: spot exchange middle rate, NY close (Reals/US\$)
45	Canadian\$/US\$	5	1	Canada: spot exchange middle rate, NY close (Canadian\$/US\$)
46	Chile Pesos/US\$	5	0	Chile: spot exchange middle rate, NY close (Pesos/US\$)
47	Yuan/US\$	5	0	China: spot exchange middle rate, NY close (Yuan/US\$)
48	Colombian Pesos/US\$	5	0	Colombia: spot exchange middle rate, NY close (Pesos/US\$)
49	Euro/US\$	5	1	Europe: spot exchange middle rate, NY close (Euro/US\$)
50	Hong Kong\$/US\$	5	0	Hong Kong: spot exchange middle rate, NY close (Hong Kong\$/US\$)
51	Rupees/US\$	5	0	India: spot exchange middle rate, NY close (Rupees/US\$)
52	Rupiah/US\$	5	0	Indonesia: spot exchange middle rate, NY close (Rupiah/US\$)
53	Israel New.Pesos/US\$	5	0	Israel: spot exchange middle rate, NY close (New.Pesos/US\$)
54	Japanese Yen/US\$	5	1	Japan: spot exchange middle rate, NY close (Yen/US\$)
55	Mexico New.Pesos/US\$	5	0	Mexico: spot exchange middle rate, NY close (New.Pesos/US\$)
56	New Zealand\$/US\$	5	0	New Zealand: spot exchange middle rate, NY close (New Zealand\$/US\$)
57	Philippine Pesos/US\$	5	0	Philippines: spot exchange middle rate, NY close (Pesos/US\$)
58	Rubles/US\$	5	0	Russia: spot exchange middle rate, NY close (Rubles/US\$)
59	Singapore\$/US\$	5	0	Singapore: spot exchange middle rate, NY close (Singapore\$/US\$)
60	Won/US\$	5	0	S.Korea: spot exchange middle rate, NY close (Won/US\$)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Foreign Exchange Rate				
61	Kronor/US\$	5	0	Sweden: spot exchange middle rate, NY close (Kronor/US\$)
62	Swiss Franc/US\$	5	1	Switzerland: spot exchange middle rate, NY close (Francs/US\$)
63	Taiwan\$/US\$	5	0	Taiwan: spot exchange middle rate, NY close (Taiwan\$/US\$)
64	Baht/US\$	5	0	Thailand: spot exchange middle rate, NY close (Baht/US\$)
65	UK/US\$	5	1	United Kingdom: spot exchange middle rate, NY close (Pounds/US\$)
66	Bolivar Fuerte/US\$	5	0	Venezuela: spot exchange middle rate, NY close (Bolivar Fuerte/US\$)
67	US\$/Euro-1MF	5	0	Euro 1-month forward rate: U.S. (US\$/Euro)
68	US\$/Euro-3MF	5	0	Euro 3-month forward rate: U.S. (US\$/Euro)
69	EFXbroad	5	1	Eff-rate-broad
70	EFXmajor	5	1	Eff-rate-major

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Government Securities				
1	FF	2	1	Federal Funds [Effective] rate (% P.A.)
2	3MTB	2	1	3-month treasury bills, secondary market (% P.A.)
3	6MTB	2	1	6-month treasury bills, secondary market (% P.A.)
4	3MTBMB	2	0	3-month treasury bill market bid yield at constant maturity (%)
5	6MTBMB	2	0	6-month treasury bill market bid yield at constant maturity (%)
6	1YTB	2	1	1-year treasury bill yield at constant maturity (% P.A.)
7	2YTN	2	0	2-year treasury note yield at constant maturity (% P.A.)
8	3YTN	2	0	3-year treasury note yield at constant maturity (% P.A.)
9	5YTN	2	0	5-year treasury note yield at constant maturity (% P.A.)
10	7YTB	2	0	7-year treasury bond yield at constant maturity (% P.A.)
11	10YTB	2	1	10-year treasury bond yield at constant maturity (% P.A.)
12	20YTB	2	0	20-year treasury bond yield at constant maturity (% P.A.)
13	30YTB	2	0	30-year treasury bond yield at constant maturity (% P.A.)
14	TB10Y	2	0	Treasury bond, long-term composite: over 10 years (% P.A.)
15	30YTBF-1CS	5	0	30-year treasury bond futures price: 1st expiring contract settlement (PTS/100%)
16	30DF-3MCS	5	0	30-day fed funds futures: 3-month rolling contract settlement (100-DAILY AVG)
17	30YTBF-2CS	5	0	30-year treasury bond futures price: 2nd expiring contract settlement (PTS/100%)
18	TY1	2	0	US Treasury yield: continuously compounded zero-coupon: 1-YR (%)
19	TY2	2	0	US Treasury yield: continuously compounded zero-coupon: 2-YRS (%)
20	TY3	2	0	US Treasury yield: continuously compounded zero-coupon: 3-YRS (%)
21	TY4	2	0	US Treasury yield: continuously compounded zero-coupon: 4-YRS (%)
22	TY5	2	0	US Treasury yield: continuously compounded zero-coupon: 5-YRS (%)
23	TY6	2	0	US Treasury yield: continuously compounded zero-coupon: 6-YRS (%)
24	TY7	2	0	US Treasury yield: continuously compounded zero-coupon: 7-YRS (%)
25	TY8	2	0	US Treasury yield: continuously compounded zero-coupon: 8-YRS (%)
26	TY9	2	0	US Treasury yield: continuously compounded zero-coupon: 9-YRS (%)
27	TY10	2	0	US Treasury yield: continuously compounded zero-coupon: 10-YRS (%)
28	TY11	2	0	US Treasury yield: continuously compounded zero-coupon:11-YRS (%)
29	TY12	2	0	US Treasury yield: continuously compounded zero-coupon: 12-YRS (%)
30	TY13	2	0	US Treasury yield: continuously compounded zero-coupon: 13-YRS (%)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Government Securities				
31	TY14	2	0	US Treasury yield: continuously compounded zero-coupon: 14-YRS (%)
32	TY15	2	0	US Treasury yield: continuously compounded zero-coupon: 15-YRS (%)
33	TY16	2	0	US Treasury yield: continuously compounded zero-coupon: 16-YRS (%)
34	TY17	2	0	US Treasury yield: continuously compounded zero-coupon: 17-YRS (%)
35	TY18	2	0	US Treasury yield: continuously compounded zero-coupon: 18-YRS (%)
36	TY19	2	0	US Treasury yield: continuously compounded zero-coupon: 19-YRS (%)
37	TY20	2	0	US Treasury yield: continuously compounded zero-coupon: 20-YRS (%)
38	TY21	2	0	US Treasury yield: continuously compounded zero-coupon: 21-YRS (%)
39	TY22	2	0	US Treasury yield: continuously compounded zero-coupon: 22-YRS (%)
40	TY23	2	0	US Treasury yield: continuously compounded zero-coupon: 23-YRS (%)
41	TY24	2	0	US Treasury yield: continuously compounded zero-coupon: 24-YRS (%)
42	TY25	2	0	US Treasury yield: continuously compounded zero-coupon: 25-YRS (%)
43	TY26	2	0	US Treasury yield: continuously compounded zero-coupon: 26-YRS (%)
44	TY27	2	0	US Treasury yield: continuously compounded zero-coupon: 27-YRS (%)
45	TY28	2	0	US Treasury yield: continuously compounded zero-coupon: 28-YRS (%)
46	TY29	2	0	US Treasury yield: continuously compounded zero-coupon: 29-YRS (%)
47	TY30	2	0	US Treasury yield: continuously compounded zero-coupon: 30-YRS (%)
48	TY-PAR1	2	0	US Treasury yield: coupon equivalent par yield: 1-YR (%)
49	TY-PAR2	2	0	US Treasury yield: coupon equivalent par yield: 2-YRS (%)
50	TY-PAR3	2	0	US Treasury yield: coupon equivalent par yield: 3-YRS (%)
51	TY-PAR4	2	0	US Treasury yield: coupon equivalent par yield: 4-YRS (%)
52	TY-PAR5	2	0	US Treasury yield: coupon equivalent par yield: 5-YRS (%)
53	TY-PAR6	2	0	US Treasury yield: coupon equivalent par yield: 6-YRS (%)
54	TY-PAR7	2	0	US Treasury yield: coupon equivalent par yield: 7-YRS (%)
55	TY-PAR8	2	0	US Treasury yield: coupon equivalent par yield: 8-YRS (%)
56	TY-PAR9	2	0	US Treasury yield: coupon equivalent par yield: 9-YRS (%)
57	TY-PAR10	2	0	US Treasury yield: coupon equivalent par yield: 10-YRS (%)
58	TY-PAR11	2	0	US Treasury yield: coupon equivalent par yield: 11-YRS (%)
59	TY-PAR12	2	0	US Treasury yield: coupon equivalent par yield: 12-YRS (%)
60	TY-PAR13	2	0	US Treasury yield: coupon equivalent par yield: 13-YRS (%)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Government Securities				
61	TY-PAR14	2	0	US Treasury yield: coupon equivalent par yield: 14-YRS (%)
62	TY-PAR15	2	0	US Treasury yield: coupon equivalent par yield: 15-YRS (%)
63	TY-PAR16	2	0	US Treasury yield: coupon equivalent par yield: 16-YRS (%)
64	TY-PAR17	2	0	US Treasury yield: coupon equivalent par yield: 17-YRS (%)
65	TY-PAR18	2	0	US Treasury yield: coupon equivalent par yield: 18-YRS (%)
66	TY-PAR19	2	0	US Treasury yield: coupon equivalent par yield: 19-YRS (%)
67	TY-PAR20	2	0	US Treasury yield: coupon equivalent par yield: 20-YRS (%)
68	TY-PAR21	2	0	US Treasury yield: coupon equivalent par yield: 21-YRS (%)
69	TY-PAR22	2	0	US Treasury yield: coupon equivalent par yield: 22-YRS (%)
70	TY-PAR23	2	0	US Treasury yield: coupon equivalent par yield: 23-YRS (%)
71	TY-PAR24	2	0	US Treasury yield: coupon equivalent par yield: 24-YRS (%)
72	TY-PAR25	2	0	US Treasury yield: coupon equivalent par yield: 25-YRS (%)
73	TY-PAR26	2	0	US Treasury yield: coupon equivalent par yield: 26-YRS (%)
74	TY-PAR27	2	0	US Treasury yield: coupon equivalent par yield: 27-YRS (%)
75	TY-PAR28	2	0	US Treasury yield: coupon equivalent par yield: 28-YRS (%)
76	TY-PAR29	2	0	US Treasury yield: coupon equivalent par yield: 29-YRS (%)
77	TY-PAR30	2	0	US Treasury yield: coupon equivalent par yield: 30-YRS (%)
78	TYF1	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 1-YR (%)
79	TYF2	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 2-YRS (%)
80	TYF3	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 3-YRS (%)
81	TYF4	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 4-YRS (%)
82	TYF5	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 5-YRS (%)
83	TYF6	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 6-YRS (%)
84	TYF7	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 7-YRS (%)
85	TYF8	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 8-YRS (%)
86	TYF9	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 9-YRS (%)
87	TYF10	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 10-YRS (%)
88	TYF11	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 11-YRS (%)
89	TYF12	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 12-YRS (%)
90	TYF13	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 13-YRS (%)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Government Securities				
91	TYF14	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 14-YRS (%)
92	TYF15	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 15-YRS (%)
93	TYF16	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 16-YRS (%)
94	TYF17	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 17-YRS (%)
95	TYF18	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 18-YRS (%)
96	TYF19	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 19-YRS (%)
97	TYF20	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 20-YRS (%)
98	TYF21	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 21-YRS (%)
99	TYF22	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 22-YRS (%)
100	TYF23	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 23-YRS (%)
101	TYF24	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 24-YRS (%)
102	TYF25	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 25-YRS (%)
103	TYF26	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 26-YRS (%)
104	TYF27	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 27-YRS (%)
105	TYF28	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 28-YRS (%)
106	TYF29	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 29-YRS (%)
107	TYF30	2	0	US Treasury yield: continuously compounded instantaneous fwd rate: 30-YRS (%)
108	TYF1-1Y	2	0	US Treasury yield: coupon equivalent fwd rate beginning 1 YR hence: 1-YR (%)
109	TYF4-1Y	2	0	US Treasury yield: coupon equivalent fwd rate beginning 4 YRS hence: 1-YR (%)
110	TYF9-1Y	2	0	US Treasury yield: coupon equivalent fwd rate beginning 9 YRS hence: 1-YR (%)
111	TIPS5	2	0	US Tips yields: continuously compounded zero-coupon yield: 5 year (%)
112	TIPS6	2	0	US Tips yields: continuously compounded zero-coupon yield: 6 year (%)
113	TIPS7	2	0	US Tips yields: continuously compounded zero-coupon yield: 7 year (%)
114	TIPS8	2	0	US Tips yields: continuously compounded zero-coupon yield: 8 year (%)
115	TIPS9	2	0	US Tips yields: continuously compounded zero-coupon yield: 9 year (%)
116	TIPS10	2	0	US Tips yields: continuously compounded zero-coupon yield: 10 year (%)
117	TIPS11	2	0	US Tips yields: continuously compounded zero-coupon yield: 11 year (%)
118	TIPS12	2	0	US Tips yields: continuously compounded zero-coupon yield: 12 year (%)
119	TIPS13	2	0	US Tips yields: continuously compounded zero-coupon yield: 13 year (%)
120	TIPS14	2	0	US Tips yields: continuously compounded zero-coupon yield: 14 year (%)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Government Securities				
121	TIPS15	2	0	US Tips yields: continuously compounded zero-coupon yield: 15 year (%)
122	TIPS16	2	0	US Tips yields: continuously compounded zero-coupon yield: 16 year (%)
123	TIPS17	2	0	US Tips yields: continuously compounded zero-coupon yield: 17 year (%)
124	TIPS18	2	0	US Tips yields: continuously compounded zero-coupon yield: 18 year (%)
125	TIPS19	2	0	US Tips yields: continuously compounded zero-coupon yield: 19 year (%)
126	TIPS20	2	0	US Tips yields: continuously compounded zero-coupon yield: 20 year (%)
127	TIPSPAR5	2	0	US Tips yields: coupon-equivalent par yield: 5-year (%)
128	TIPSPAR6	2	0	US Tips yields: coupon-equivalent par yield: 6-year (%)
129	TIPSPAR7	2	0	US Tips yields: coupon-equivalent par yield: 7-year (%)
130	TIPSPAR8	2	0	US Tips yields: coupon-equivalent par yield: 8-year (%)
131	TIPSPAR9	2	0	US Tips yields: coupon-equivalent par yield: 9-year (%)
132	TIPSPAR10	2	0	US Tips yields: coupon-equivalent par yield: 10-year (%)
133	TIPSPAR11	2	0	US Tips yields: coupon-equivalent par yield: 11-year (%)
134	TIPSPAR12	2	0	US Tips yields: coupon-equivalent par yield: 12-year (%)
135	TIPSPAR13	2	0	US Tips yields: coupon-equivalent par yield: 13-year (%)
136	TIPSPAR14	2	0	US Tips yields: coupon-equivalent par yield: 14-year (%)
137	TIPSPAR15	2	0	US Tips yields: coupon-equivalent par yield: 15-year (%)
138	TIPSPAR16	2	0	US Tips yields: coupon-equivalent par yield: 16-year (%)
139	TIPSPAR17	2	0	US Tips yields: coupon-equivalent par yield: 17-year (%)
140	TIPSPAR18	2	0	US Tips yields: coupon-equivalent par yield: 18-year (%)
141	TIPSPAR19	2	0	US Tips yields: coupon-equivalent par yield: 19-year (%)
142	TIPSPAR20	2	0	US Tips yields: coupon-equivalent par yield: 20-year (%)
143	TIPSF5	2	0	US Tips yields: continuously compounded instantaneous forward rate: 5-year (%)
144	TIPSF6	2	0	US Tips yields: continuously compounded instantaneous forward rate: 6-year (%)
145	TIPSF7	2	0	US Tips yields: continuously compounded instantaneous forward rate: 7-year (%)
146	TIPSF8	2	0	US Tips yields: continuously compounded instantaneous forward rate: 8-year (%)
147	TIPSF9	2	0	US Tips yields: continuously compounded instantaneous forward rate: 9-year (%)
148	TIPSF10	2	0	US Tips yields: continuously compounded instantaneous forward rate: 10-year (%)
149	TIPSF11	2	0	US Tips yields: continuously compounded instantaneous forward rate: 11-year (%)
150	TIPSF12	2	0	US Tips yields: continuously compounded instantaneous forward rate: 12-year (%)
151	TIPSF13	2	0	US Tips yields: continuously compounded instantaneous forward rate: 13-year (%)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Government Securities				
151	TIPSF13	2	0	US Tips yields: continuously compounded instantaneous forward rate: 13-year (%)
152	TIPSF14	2	0	US Tips yields: continuously compounded instantaneous forward rate: 14-year (%)
153	TIPSF15	2	0	US Tips yields: continuously compounded instantaneous forward rate: 15-year (%)
154	TIPSF16	2	0	US Tips yields: continuously compounded instantaneous forward rate: 16-year (%)
155	TIPSF17	2	0	US Tips yields: continuously compounded instantaneous forward rate: 17-year (%)
156	TIPSF18	2	0	US Tips yields: continuously compounded instantaneous forward rate: 18-year (%)
157	TIPSF19	2	0	US Tips yields: continuously compounded instantaneous forward rate: 19-year (%)
158	TIPSF20	2	0	US Tips yields: continuously compounded instantaneous forward rate: 20-year (%)
159	TIPSF4-1Y	2	0	US Tips yields: coupon equivalent forward rate beginning 4 YRS hence: 1-year (%)
160	TIPSF9-1Y	2	0	US Tips yields: coupon equivalent forward rate beginning 9 YRS hence: 1-year (%)
161	TIPSF5-10Y	2	0	US Tips yields: coupon equivalent forward rate: 5-10 years (%)
162	BEIR5	1	1	US Inflation compensation: continuously compounded zero-coupon yield: 5-year (%)
163	BEIR6	1	0	US Inflation compensation: continuously compounded zero-coupon yield: 6-year (%)
164	BEIR7	1	0	US Inflation compensation: continuously compounded zero-coupon yield: 7-year (%)
165	BEIR8	1	0	US Inflation compensation: continuously compounded zero-coupon yield: 8-year (%)
166	BEIR9	1	0	US Inflation compensation: continuously compounded zero-coupon yield: 9-year (%)
167	BEIR10	1	1	US Inflation compensation: continuously compounded zero-coupon yield: 10-year (%)
168	BEIR11	1	0	US Inflation compensation: continuously compounded zero-coupon yield: 11-year (%)
169	BEIR12	1	0	US Inflation compensation: continuously compounded zero-coupon yield: 12-year (%)
170	BEIR13	1	0	US Inflation compensation: continuously compounded zero-coupon yield: 13-year (%)
171	BEIR14	1	0	US Inflation compensation: continuously compounded zero-coupon yield: 14-year (%)
172	BEIR15	1	0	US Inflation compensation: continuously compounded zero-coupon yield: 15-year (%)
173	BEIR16	1	0	US Inflation compensation: continuously compounded zero-coupon yield: 16-year (%)
174	BEIR17	1	0	US Inflation compensation: continuously compounded zero-coupon yield: 17-year (%)
175	BEIR18	1	0	US Inflation compensation: continuously compounded zero-coupon yield: 18-year (%)
176	BEIR19	1	0	US Inflation compensation: continuously compounded zero-coupon yield: 19-year (%)
177	BEIR20	1	0	US Inflation compensation: continuously compounded zero-coupon yield: 20-year (%)
178	BEIR-PAR5	1	0	US Inflation compensation: coupon-equivalent par yield: 5-year (%)
179	BEIR-PAR6	1	0	US Inflation compensation: coupon-equivalent par yield: 6-year (%)
180	BEIR-PAR7	1	0	US Inflation compensation: coupon-equivalent par yield: 7-year (%)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Government Securities				
181	BEIR-PAR8	1	0	US Inflation compensation: coupon-equivalent par yield: 8-year (%)
182	BEIR-PAR9	1	0	US Inflation compensation: coupon-equivalent par yield: 9-year (%)
183	BEIR-PAR10	1	0	US Inflation compensation: coupon-equivalent par yield: 10-year (%)
184	BEIR-PAR11	1	0	US Inflation compensation: coupon-equivalent par yield: 11-year (%)
185	BEIR-PAR12	1	0	US Inflation compensation: coupon-equivalent par yield: 12-year (%)
186	BEIR-PAR13	1	0	US Inflation compensation: coupon-equivalent par yield: 13-year (%)
187	BEIR-PAR14	1	0	US Inflation compensation: coupon-equivalent par yield: 14-year (%)
188	BEIR-PAR15	1	0	US Inflation compensation: coupon-equivalent par yield: 15-year (%)
189	BEIR-PAR16	1	0	US Inflation compensation: coupon-equivalent par yield: 16-year (%)
190	BEIR-PAR17	1	0	US Inflation compensation: coupon-equivalent par yield: 17-year (%)
191	BEIR-PAR18	1	0	US Inflation compensation: coupon-equivalent par yield: 18-year (%)
192	BEIR-PAR19	1	0	US Inflation compensation: coupon-equivalent par yield: 19-year (%)
193	BEIR-PAR20	1	0	US Inflation compensation: coupon-equivalent par yield: 20-year (%)
194	BEIRF5	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 5-year (%)
195	BEIRF6	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 6-year (%)
196	BEIRF7	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 7-year (%)
197	BEIRF8	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 8-year (%)
198	BEIRF9	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 9-year (%)
199	BEIRF10	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 10-year (%)
200	BEIRF11	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 11-year (%)
201	BEIRF12	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 12-year (%)
202	BEIRF13	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 13-year (%)
203	BEIRF14	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 14-year (%)
204	BEIRF15	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 15-year (%)
205	BEIRF16	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 16-year (%)
206	BEIRF17	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 17-year (%)
207	BEIRF18	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 18-year (%)
208	BEIRF19	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 19-year (%)
209	BEIRF20	1	0	US Inflation compen: continuously compounded instantaneous fwd rate: 20-year (%)
210	BEIR5-10	1	1	US Inflation compensation: coupon equivalent forward rate: 5-10 years (%)

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Government Securities				
211	3MTB-TR	1	0	3-month treasury bill constant maturity total return (%)
212	6MTB-TR	1	0	6-month treasury bill constant maturity total return (%)
213	2YTN-TR	1	0	2-year treasury note constant maturity total return (%)
214	5YTN-TR	1	0	5-year treasury note constant maturity total return (%)
215	10YTN-TR	1	0	10-year treasury note constant maturity total return (%)
216	3MTB-TRI	2	0	3-month treasury bill constant maturity total return index (Aug-31-81=100)
217	6MTB-TRI	2	0	6-month treasury bill constant maturity total return index (Aug-31-81=100)
218	2YTN-TRI	2	0	2-YR treasury note constant maturity total return index (Jun-01-76=100)
219	5YTN-TRI	2	0	5-YR treasury note constant maturity total return index (Jan-01-62=100)
220	10YTN-TRI	2	0	10-YR treasury note constant maturity total return index (Jan-01-62=100)
221	3MTB-SMTR	1	0	3-month treasury bill secondary market total return (%)
222	6MTB-SMTR	1	0	6-month treasury bill secondary market total return (%)
223	3MTB-SMTRI	2	0	3-month treasury bill secondary market total return index (Jan-01-54=100)
224	6MTB-SMTRI	2	0	6-month treasury bill secondary market total return index (Jan-01-59=100)
225	1MLIBOR	2	0	1-month london interbank offered rate: based on US\$ (%)
226	3MLIBOR	2	0	3-month london interbank offered rate: based on US\$ (%)
227	BEIR1F4	1	1	BKEVEN1F4
228	BEIR1F9	1	1	BKEVEN1F9
229	6MTB-MB	1	0	6-month treasury bill market bid yield at constant maturity (%)
230	6MTB-3MTB	1	1	6-month treasury bill yield at constant maturity (% P.A.)- M3-Tbills
231	1YTB-3MTB	1	1	1-year treasury bill yield at constant maturity (% P.A.)- M3-Tbills
232	2YTN-3MTB	1	0	2-year treasury note yield at constant maturity (% P.A.)- M3-Tbills
233	3YTN-3MTB	1	0	3-year treasury note yield at constant maturity (% P.A.)- M3-Tbills
234	5YTN-3MTB	1	0	5-year treasury note yield at constant maturity (% P.A.)- M3-Tbills
235	7YTB-3MTB	1	0	7-year treasury bond yield at constant maturity (% P.A.)- M3-Tbills
236	10YTB-3MTB	1	1	10-year treasury bond yield at constant maturity (% P.A.)- M3-Tbills
237	20YTB-3MTB	1	0	20-year treasury bond yield at constant maturity (% P.A.)- M3-Tbills
238	30YTB-3MTB	1	0	30-year treasury bond yield at constant maturity (% P.A.)- M3-Tbills
239	TB10Y-3MTB	1	0	Treasury bond, long-term composite: over 10 years (% P.A.)- M3-Tbills
240	6MTB-FF	1	1	6-month treasury bill market bid yield at constant maturity (%)-FF
241	1YTB-FF	1	1	1-year treasury bill yield at constant maturity (% P.A.) -FF

Table B1 continued

Index	Short Name	Trans Code	Small	Definition
Government Securities				
242	2YTN-FF	1	0	2-year treasury note yield at constant maturity (% P.A.) -FF
243	3YTN-FF	1	0	2-year treasury note yield at constant maturity (% P.A.) -FF
244	5YTN-FF	1	0	5-year treasury note yield at constant maturity (% P.A.) -FF
245	7YTB-FF	1	0	7-year treasury bond yield at constant maturity (% P.A.) -FF
246	10YTB-FF	1	1	10-year treasury bond yield at constant maturity (% P.A.) -FF
247	20YTB-FF	1	0	20-year treasury bond yield at constant maturity (% P.A.) -FF
248	30YTB-FF	1	0	30-year treasury bond yield at constant maturity (% P.A.) -FF
249	TB10Y-FF	1	0	Treasury bond, long-term composite: over 10 years (% P.A.) -FF

Table B2: Quarterly Data Series

Code	Long Description	Short Desc	TCode	Scale
GDP253	Real Personal Consumption Expenditures - Durable Goods , Quantity Index (2000=100)	Cons-Dur	5	400
GDP254	Real Personal Consumption Expenditures - Nondurable Goods, Quantity Index (2000-100)	Cons-NonDur	5	400
GDP255	Real Personal Consumption Expenditures - Services, Quantity Index (2000=100) ,	Cons-Serv	5	400
GDP259	Real Gross Private Domestic Investment - Nonresidential - Structures, Quantity	NonResInv-Struct	5	400
GDP260	Real Gross Private Domestic Investment - Nonresidential - Equipment & Software	NonResInv-Bequip	5	400
GDP261	Real Gross Private Domestic Investment - Residential, Quantity Index (2000=100)	Res.Inv	5	400
GDP263	Real Exports, Quantity Index (2000=100) , SAAR	Exports	5	400
GDP264	Real Imports, Quantity Index (2000=100) , SAAR	Imports	5	400
GDP266	Real Government Consumption Expenditures & Gross Investment - Federal, Quantit	Gov Fed	5	400
GDP267	Real Government Consumption Expenditures & Gross Investment - State & Local, Q	Gov State/Loc	5	400
LBOU	Output per Hour all Persons: Business Sec (1982=100,SA)	Labor Prod	5	400
LBPUR7	Real Compensation per Hour, Employees: Nonfarm Business (82=100,SA)	Real Comp/Hour	5	400
LBMNU	Hours Nonfarm Business Sec (1982=100,SA)	Emp. Hours	5	400
LBLCPU	Unit Labor Cost: Nonfarm Business Sec (1982=100,SA)	Unit Labor Cost	5	400
GDP274_1	Motor Vehicles and Parts Price Index	PCED-DUR-MOTORVEH	6	400
GDP274_2	Furniture and Household Equipment Price Index	PCED-DUR-HHEQUIP	6	400
GDP274_3	Other Price Index	PCED-DUR-OTH	6	400
GDP275_1	Food Price Index	PCED-NDUR-FOOD	6	400
GDP275_2	Clothing and Shoes Price Index	PCED-NDUR-CLTH	6	400
GDP275_3	Gasoline, Fuel Oil, and Other Energy Goods Price Index	PCED-NDUR-ENERGY	6	400
GDP275_4	Other Price Index	PCED-NDUR-OTH	6	400
GDP276_1	Housing Price Index	PCED-SERV-HOUS	6	400
GDP276_3	Electricity and Gas Price Index	PCED-SERV-H0-ELGAS	6	400
GDP276_4	Other Household Operation Price Index	PCED-SERV-HO-OTH	6	400
GDP276_5	Transportation Price Index	PCED-SERV-TRAN	6	400
GDP276_6	Medical Care Price Index	PCED-SERV-MED	6	400
GDP276_7	Recreation Price Index	PCED-SERV-REC	6	400
GDP276_8	Other Price Index	PCED-SERV-OTH	6	400
GDP280A	Structures	PFI-NRES-STR Price Index	6	400
GDP281A	Equipment and Software Price Index	PFI-NRES-EQP	6	400
GDP282A	Residential Price Index	PFI-RES	6	400
GDP284A	Exports Price Index	PEXP	6	400
GDP285A	Imports Price Index	PIMP	6	400
GDP287A	Federal Price Index	PGOV-FED	6	400
GDP288A	State and Local Price Index	PGOV-SL	6	400

Table continued on next page ...

Table B2 continued

Code	Long Description	Short Desc	TCode	Scale
IPS13	Industrial Production Index - Durable Consumer Goods	IP: cons dble	5	400
IPS18	Industrial Production Index - Nondurable Consumer Goods	iIP:cons nondble	5	400
IPS25	Industrial Production Index - Business Equipment	IP:bus eqpt	5	400
IPS34	Industrial Production Index - Durable Goods Materials	IP: dble mats	5	400
IPS38	Industrial Production Index - Nondurable Goods Materials	IP:nondble mats	5	400
IPS43	Industrial Production Index - Manufacturing (SIC)	IP: mfg	5	400
IPS306	Industrial Production Index - Fuels	IP: Fuels	5	400
PMP	NAPM Production Index (%)	NAPM production	1	1
UTL11	Capacity Utilization - Manufacturing (SIC)	Capacity Util	1	1
CES277R	Real Avg Hourly Earnings, Prod. Workers, Nonfarm - Construction (CES277/PI071)	Real AHE: const	5	400
CES278R	Real Avg Hourly Earnings, Prod. Workers, Nonfarm - MFG (CES278/PI071)	Real AHE: mfg	5	400
CES006	Employees, Nonfarm - Mining	Emp: mining	5	400
CES011	Employees, Nonfarm - Construction	Emp: const	5	400
CES017	Employees, Nonfarm - Durable Goods	Emp: dble gds	5	400
CES033	Employees, Nonfarm - Nondurable Goods	Emp: nondbles	5	400
CES046	Employees, Nonfarm - Service-Providing	Emp: services	5	400
CES048	Employees, Nonfarm - Trade, Transport, Utilities	Emp: TTU	5	400
CES049	Employees, Nonfarm - Wholesale Trade	Emp: wholesale	5	400
CES053	Employees, Nonfarm - Retail Trade	Emp: retail	5	400
CES088	Employees, Nonfarm - Financial Activities	Emp: FIRE	5	400
CES140	Employees, Nonfarm - Government	Emp: Govt	5	400
LHEL	Index Of Help-Wanted Advertising in Newspaper (1967=100;SA)	Help wanted indx	2	1
LHELX	Employment: Ratio; Help-Wanted Ads: No. Unemployed CLF	Help wanted/emp	2	1
LHNAG	Civilian Labor Force: Employed, Nonagric. Industries (Thous.,SA)	Emp CPS nonag	5	400
LHUR	Unemployment Rate: ALL WORKERS, 16 YEARS & OVER (%;SA)	U: all	2	1
LHU680	Unemployment Rate: By Duration: Average (Mean) Duration In Weeks (SA)	U: mean duration	2	1
LHU5	Unemployment by Duration: Persons Unempl. Less Than 5 Weeks (Thous.,SA)	U < 5 wks	5	400
LHU14	Unemployment by Duration: Persons Unempl. 5 TO 14 WKS (THOUS.,SA)	U 5-14 wks	5	400
LHU15	Unemployment by Duration: Persons Unempl. 15 WKS + (THOUS.,SA)	U 15+ wks	5	400
LHU26	Unemployment by Duration: Persons Unempl. 15 TO 26 WKS (THOUS.,SA)	U 15-26 wks	5	400
LHU27	Unemployment by Duration: Persons Unempl. 27 WKS + (THOUS.,SA)	U 27+ wks	5	400
CES151	Avg Weekly Hours, Prod Workers, Nonfarm - Goods-Producing	Avg hrs	1	1
CES155	Avg Weekly Overtime Hours, Prod Workers, Nonfarm - MFG	Overtime: mfg	2	1

Table B2 continued

Code	Long Description	Short Desc	TCode	Scale
HSNE	Housing Starts: Northeast (Thous. U.) S.A.	HStarts: NE	4	1
HSMW	Housing Starts: Midwest (Thous. U.) S.A.	HStarts: MW	4	1
HSSOU	Housing Starts: South (Thous. U.) S.A.	HStarts: South	4	1
HSWST	Housing Starts: West (Thous. U.) S.A.	HStarts: West	4	1
FM1	Money Stock: M1(Curr,Trav. Cks., Dem. Dep., Other Ck'able Dep)(BIL\$,SA)	M1	6	400
MZMSL	MZM (SA) FRB St. Louis	MZM	6	400
FM2	Money Stock: M2(M1+O'NITE RPS,EURO\$,G/P&B/D MMMFS&SAV&SM TIME DEP(BIL\$,	M2	6	400
FMFBA	Monetary Base, Adj For Reserve Requirement Changes (MIL\$,SA)	MB	6	400
FMRRA	Depository Inst Reserves:Total,Asj For Reserve Req Chgs (MIL\$,SA)	Reserves tot	6	400
FMRNBA	Depository Inst Reserves:Nonborrowed, Adj Res Req Chgs (MIL\$,SA)	Reserves nonbor	6	400
BUSLOANS	Commercial and Industrial Loans at All Commercial Banks (FRED) Billions \$ (SA)	BUSLOANS	6	400
CCINRV	Consumer Crdeit Outstanding - Nonrevolving (G19)	Cons credit	6	400
FSDXP	S&P'S Composite Common Stock: Dividend Yield (% PER ANNUM)	S&P div yield	2	1
FSPXE	S&P'S Composite Common Stock: Price-Earnings Ratio (%,NSA)	S&P PE ratio	2	1
HHSNTN	U. OF Mich. Index of Consumer Expectations (BCD-83)	Consumer expect	2	1
PMI	Purchasing Managers' Index (SA)	PMI	1	1
PMNO	NAPM New Orders Index (PERCENT)	NAPM new orders	1	1
PMDEL	NAPM Vendor Deliveries Index (PERCENT)	NAPM vendor del	1	1
PMNV	NAPM Inventories Index (PERCENT)	NAPM Invent	1	1
MOCMQ	New Orders (NET) - Consumer Goods & Materials, 1996 Dollars (BCI)	Orders (ConsGoods)	5	400
MSONDQ	New Orders, Nondefense Capital Goods, In 1996 Dollars (BCI)	Orders (NDCapGoods)	5	400

Table B3: Description of MIDAS regression models

Benchmark Models

$$\begin{aligned}
 RW & Y_{t+1}^Q = \mu + Y_t^Q + u_{t+1} \\
 AR(p_Y^Q) & Y_{t+1}^Q = \mu + \sum_{k=0}^{p_Y^Q-1} \alpha_k Y_{t-k}^Q + u_{t+1} \\
 FAR(p_Y^Q, q_X^Q) & Y_{t+1}^Q = \mu + \sum_{k=0}^{p_Y^Q-1} \alpha_k Y_{t-k}^Q + \sum_{k=0}^{q_F^Q-1} \beta_k F_{t-k}^Q + u_{t+1}
 \end{aligned}$$

Restricted Autoregressive and Factor Autoregressive Models

$$\begin{aligned}
 AR(p_Y^Q[r]) & Y_{t+1}^Q = \mu + \alpha \sum_{k=0}^{p_Y^Q-1} w_k(\theta_Y^Q) Y_{t-k}^Q + u_{t+1} \\
 FAR(p_Y^Q, q_X^Q) & Y_{t+1}^Q = \mu + \alpha \sum_{k=0}^{p_Y^Q-1} w_k(\theta_Y^Q) Y_{t-k}^Q + \beta \sum_{k=0}^{q_F^Q-1} w_k(\theta_Y^Q) F_{t-k}^Q + u_{t+1}
 \end{aligned}$$

ADL and Factor ADL Models

$$\begin{aligned}
 ADL(p_Y^Q, q_X^Q) & Y_{t+1}^Q = \mu + \sum_{k=0}^{p_Y^Q-1} \alpha_k Y_{t-k}^Q + \sum_{k=0}^{q_X^Q-1} \beta_k X_{t-k}^Q + u_{t+1} \\
 FADL(p_Y^Q, q_F^Q, q_X^Q) & Y_{t+1}^Q = \mu + \sum_{k=0}^{p_Y^Q-1} \alpha_k Y_{t-k}^Q + \sum_{k=0}^{q_F^Q-1} \beta_k F_{t-k}^Q + \sum_{k=0}^{q_X^Q-1} \gamma_k X_{t-k}^Q + u_{t+1}
 \end{aligned}$$

ADL-MIDAS and Factor ADL-MIDAS regression models

$$\begin{aligned}
 ADL - MIDAS(p_Y^Q, q_X^D) & Y_{t+1}^Q = \mu + \sum_{k=0}^{p_Y^Q-1} \alpha_k Y_{t-k}^Q + \beta \sum_{j=0}^{q_X^D-1} \sum_{i=1}^{N_D} w_{i+j*N_D}(\theta_X^D) X_{i,t-j}^D + u_{t+1} \\
 ADL - MIDAS - M(p_Y^Q, q_X^Q) & Y_{t+1}^Q = \mu + \sum_{k=0}^{p_Y^Q-1} \alpha_k Y_{t-k}^Q + \sum_{k=0}^{q_X^Q-1} \beta_k X_{t-k}^Q(\theta_X^D) + u_{t+1} \\
 FADL - MIDAS(p_Y^Q, q_F^Q, q_X^D) & Y_{t+1}^Q = \mu + \sum_{k=0}^{p_Y^Q-1} \alpha_k Y_{t-k}^Q + \sum_{k=0}^{q_F^Q-1} \beta_k F_{t-k}^Q + \gamma \sum_{j=0}^{q_X^D-1} \sum_{i=1}^{N_D} w_{i+j*N_D}(\theta_X^D) X_{i,t-j}^D + u_{t+1} \\
 FADL - MIDAS - M(p_Y^Q, q_F^Q, q_X^Q) & Y_{t+1}^Q = \mu + \sum_{k=0}^{p_Y^Q-1} \alpha_k Y_{t-k}^Q + \sum_{k=0}^{q_F^Q-1} \beta_k F_{t-k}^Q + \sum_{k=0}^{q_X^Q-1} \gamma_k X_{t-k}^Q(\theta_X^D) + u_{t+1}
 \end{aligned}$$

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Table B3 continued

Restricted ADL-MIDAS and Factor ADL-MIDAS regression models

$$ADL(p_Y^Q[r], q_X^Q[r]) \quad Y_{t+1}^Q = \mu + \alpha \sum_{k=0}^{p_Y^Q-1} w_k(\theta_Y^Q) Y_{t-k}^Q + \beta \sum_{k=0}^{q_X^Q-1} w_k(\theta_X^Q) X_{t-k}^Q + u_{t+1}$$

$$FADL(p_Y^Q[r], q_F^Q[r], q_X^Q[r]) \quad Y_{t+1}^Q = \mu + \alpha \sum_{k=0}^{p_Y^Q-1} w_k(\theta_Y^Q) Y_{t-k}^Q + \beta \sum_{k=0}^{q_F^Q-1} w_k(\theta_F^Q) F_{t-k}^Q + \gamma \sum_{k=0}^{q_X^Q-1} w_k(\theta_X^Q) X_{t-k}^Q + u_{t+1}$$

Restricted ADL-MIDAS and Factor ADL-MIDAS regression models

$$ADL - MIDAS(p_Y^Q[r], q_X^D) \quad Y_{t+1}^Q = \mu + \alpha \sum_{k=0}^{p_Y^Q-1} w_k(\theta_Y^Q) Y_{t-k}^Q + \beta \sum_{j=0}^{q_X^D-1} \sum_{i=1}^{N_D} w_{i+j*N_D}(\theta_X^D) X_{i,t-j}^D + u_{t+1}$$

$$ADL - MIDAS - M(p_Y^Q[r], q_X^Q[r]) \quad Y_{t+1}^Q = \mu + \alpha \sum_{k=0}^{p_Y^Q-1} w_k(\theta_Y^Q) Y_{t-k}^Q + \beta \sum_{k=0}^{q_X^Q-1} w_k(\theta_X^Q) X_{t-k}^Q(\theta_X^D) + u_{t+1}$$

$$FADL - MIDAS(p_Y^Q[r], q_F^Q[r], q_X^D) \quad Y_{t+1}^Q = \mu + \alpha \sum_{k=0}^{p_Y^Q-1} w_k(\theta_Y^Q) Y_{t-k}^Q + \beta \sum_{k=0}^{q_F^Q-1} w_k(\theta_F^Q) F_{t-k}^Q + \gamma \sum_{j=0}^{q_X^D-1} \sum_{i=1}^{N_D} w_{i+j*N_D}(\theta_X^D) X_{i,t-j}^D + u_{t+1}$$

$$FADL - MIDAS - M(p_Y^Q[r], q_F^Q[r], q_X^Q[r]) \quad Y_{t+1}^Q = \mu + \alpha \sum_{k=0}^{p_Y^Q-1} w_k(\theta_Y^Q) Y_{t-k}^Q + \beta \sum_{k=0}^{q_F^Q-1} w_k(\theta_F^Q) F_{t-k}^Q + \gamma \sum_{k=0}^{q_X^Q-1} w_k(\theta_X^Q) X_{t-k}^Q(\theta_X^D) + u_{t+1}$$

Factor ADL-MIDAS with Lead J

$$FADL - MIDAS(p_Y^Q, q_F^Q, q_X^D, J_X^D) \quad Y_{t+1}^Q = \mu + \sum_{k=0}^{p_Y^Q-1} \alpha_k Y_{t-k}^Q + \sum_{k=0}^{q_F^Q-1} \beta_k F_{t-k}^Q + \gamma [\sum_{i=0}^{J_X^D-1} w_i(\theta_X^D) X_{J_X^D-i,t+1}^D + \sum_{j=0}^{q_X^D-1} \sum_{i=0}^{N_D-1} w_{i+j*N_D}(\theta_X^D) X_{N_D-i,t-j}^D] + u_{t+1},$$

Table B4: Daily factors on the smaller databases

This table presents RMSFEs of 2DiscMSFE forecast combinations for real GDP growth relative to the RMSFE of RW for 1-, 2-, and 4-step ahead forecasts. It includes forecast combination results on 5 daily financial factors extracted from 93 daily financial assets for the sample of 1999 as well as a subset of 65 daily predictors for both samples of 1999 and 1986. The estimation periods for the 1999 and 1986 samples are 1999:Q1 to 2005:Q4 and 1986:Q1 to 2000:Q4 while the forecasting periods 2006:Q1 + h to 2008:Q4 - h and 2001:Q1 + h to 2008:Q4 - h, respectively.

Forecast Horizon	Sample of 1999						Sample of 1986		
	5 daily factors using 93 assets			5 daily factors using 65 assets			5 daily factors using 65 assets		
	1	2	4	1	2	4	1	2	4
ADL	0.79	0.87	0.79	0.93	0.88	0.88	0.88	0.91	0.90
FADL	0.69	0.71	0.70	0.69	0.75	0.91	0.77	0.82	0.86
ADL-MIDAS ($J_X = 0$)	0.76	0.86	0.90	0.93	0.89	0.87	0.87	0.91	0.86
FADL-MIDAS ($J_X = 0$)	0.67	0.66	0.75	0.65	0.68	0.70	0.78	0.80	0.81
ADL-MIDAS ($J_X = 2$)	0.54	0.75	0.41	0.75	0.80	0.46	0.67	0.85	0.75
FADL-MIDAS ($J_X = 2$)	0.57	0.56	0.60	0.58	0.70	0.20	0.64	0.77	0.64

Table B5: RMSFE for 2DiscMSFE forecast combinations for classes of assets

Entries are the Relative RMSFE of Forecast Combinations of daily financial assets and factors based on 2DiscMSFE for various classes of assets, for 1-, 2- and 4-step ahead forecasts, and for two sample periods: 1999 and 1986. The sample of 1999 includes forecast combination results on 93 assets, 5 factors based on 991 variables and 25 factors obtained from five homogeneous classes of assets (5 from each class). The sample of 1986 includes forecast combination results on 65 daily assets. The columns under the heading ALL refer to the combination results based on the 93 assets or the 25 daily factors based on the 5 classes of assets, F_{CLASS}^D (5 from each class). The five classes of assets are Commodities, Corporate Risk, Equities, Exchange Rates, and Government Securities, respectively. All models are summarized in Table (??). Entries below one imply improvements compared to the benchmark. The estimation period is 1999:Q1 to 2005:Q4 and the forecasting period is 2006:Q1 + h to 2008:Q4 - h.

Forecast Horizon	ALL			COMM			CORP			EQUIT			FX			GOVSEC		
	1	2	4	1	2	4	1	2	4	1	2	4	1	2	4	1	2	4
Panel A: sample of 1999																		
<i>daily financial assets</i>																		
ADL	0.88	0.80	0.79	0.94	0.92	1.00	0.81	0.64	0.62	0.86	0.83	1.06	0.97	1.00	1.16	0.97	0.94	0.84
ADL-MIDAS ($J_X = 0$)	0.77	0.75	0.76	0.92	0.92	0.89	0.66	0.58	0.67	0.80	0.87	1.07	0.96	0.99	1.15	0.86	0.82	0.88
ADL-MIDAS ($J_X = 2$)	0.62	0.73	0.67	0.90	0.88	1.00	0.56	0.62	0.50	0.54	0.76	0.65	0.86	1.01	1.11	0.67	0.87	0.79
FADL	0.62	0.61	0.55	0.68	0.61	0.73	0.66	0.62	0.36	0.63	0.65	0.62	0.55	0.74	1.07	0.65	0.71	0.69
FADL-MIDAS ($J_X = 0$)	0.57	0.54	0.40	0.59	0.56	0.76	0.63	0.48	0.23	0.58	0.60	0.83	0.57	0.66	1.07	0.60	0.65	0.78
FADL-MIDAS ($J_X = 2$)	0.47	0.57	0.43	0.56	0.58	0.79	0.43	0.50	0.22	0.49	0.64	0.50	0.52	0.72	1.09	0.46	0.67	0.76
<i>daily financial factors</i>																		
ADL	0.80	0.76	0.90	0.96	0.91	0.98	0.71	0.57	0.86	0.94	0.92	0.91	0.75	0.99	0.99	0.96	0.94	0.90
ADL-MIDAS ($J_X = 0$)	0.79	0.74	0.90	0.92	0.86	0.99	0.66	0.59	0.87	0.87	0.88	0.84	0.80	0.99	0.94	0.93	0.91	0.96
ADL-MIDAS ($J_X = 2$)	0.66	0.73	0.63	0.86	0.85	0.66	0.54	0.60	0.43	0.75	0.84	0.93	0.79	0.98	0.98	0.68	0.94	0.82
FADL	0.58	0.63	0.66	0.73	0.71	0.73	0.59	0.54	0.58	0.71	0.68	0.60	0.51	0.69	0.87	0.72	0.76	0.93
FADL-MIDAS ($J_X = 0$)	0.54	0.58	0.69	0.67	0.58	0.89	0.51	0.56	0.58	0.66	0.68	0.61	0.47	0.66	0.85	0.65	0.68	0.95
FADL-MIDAS ($J_X = 2$)	0.48	0.53	0.41	0.50	0.66	0.49	0.57	0.50	0.28	0.62	0.72	0.45	0.48	0.67	0.99	0.46	0.57	0.93
Panel C: sample of 1986																		
<i>daily financial assets</i>																		
ADL	0.86	0.92	0.91	0.92	0.94	0.96	0.83	0.93	0.92	0.84	0.88	0.93	0.93	0.96	0.96	0.92	0.96	0.86
ADL-MIDAS ($J_X = 0$)	0.77	0.89	0.89	0.89	0.92	0.93	0.73	0.93	0.90	0.78	0.84	0.90	0.93	0.95	0.93	0.90	0.94	0.88
ADL-MIDAS ($J_X = 2$)	0.76	0.86	0.81	0.87	0.91	0.87	0.67	0.92	0.88	0.76	0.82	0.74	0.94	0.96	0.92	0.84	0.94	0.88
FADL	0.77	0.80	0.85	0.80	0.81	0.91	0.72	0.79	0.74	0.78	0.79	0.87	0.82	0.87	0.96	0.80	0.87	0.87
FADL-MIDAS ($J_X = 0$)	0.73	0.79	0.83	0.79	0.80	0.85	0.69	0.81	0.83	0.75	0.77	0.85	0.83	0.86	0.91	0.80	0.85	0.89
FADL-MIDAS ($J_X = 2$)	0.70	0.76	0.70	0.79	0.80	0.82	0.64	0.79	0.83	0.69	0.74	0.65	0.82	0.86	0.91	0.70	0.83	0.89

Table B6: HLN Time Series Test for 1986 sample

This table reports p-values for HLN statistic. The statistic corresponds to a one-sided test of the null hypothesis that the forecast given in the column heading encompasses the forecast given in the row heading, i.e. row forecast adds no predictive power to column forecast.

$h = 1$	ALL	COMM	CORP	EQUIT	FX	GOV
ALL		0.05	0.81	0.54	0.08	0.27
COMM	0.95		0.90	0.90	0.16	0.91
CORP	0.13	0.08		0.08	0.10	0.14
EQUIT	0.26	0.08	0.77		0.10	0.17
FX	0.91	0.73	0.88	0.86		0.88
GOV	0.35	0.02	0.62	0.34	0.04	

$h = 2$	ALL	COMM	CORP	EQUIT	FX	GOV
ALL		0.02	0.10	0.57	0.01	0.01
COMM	0.96		0.41	0.71	0.05	0.08
CORP	0.75	0.18		0.63	0.08	0.14
EQUIT	0.11	0.04	0.07		0.01	0.00
FX	0.98	0.92	0.85	0.92		0.68
GOV	0.95	0.64	0.74	0.84	0.04	

$h = 4$	ALL	COMM	CORP	EQUIT	FX	GOV
ALL		0.01	0.02	0.92	0.00	0.00
COMM	0.92		0.21	0.96	0.02	0.06
CORP	0.93	0.54		0.92	0.00	0.03
EQUIT	0.04	0.00	0.01		0.00	0.00
FX	0.97	0.94	0.95	0.95		0.41
GOV	0.99	0.84	0.72	0.98	0.25	

Table B7: Best Daily Financial Assets

This tables shows the best daily assets for the FADL-MIDAS ($J_X = 2$) for samples of 1999 and 1986 and forecasting horizons, $h=1,4$. We highlight with light gray the top quartile of the 65 assets, which are common in the samples of 1999 and 1986. Additionally, we highlight with darker gray the new predictors of 1999 that perform at least as well. In each case we present the corresponding rank (RK) and RMSFE of the predictor. For the sample of 1986 we also report the p-value of the forecast breakdown (FB) test.

Horizon 1				Horizon 4									
SAMPLE 1999			SAMPLE 1986			SAMPLE 1999			SAMPLE 1986				
RK	Assets	RMSFE	RK	Assets	RMSFE	FB test	RK	Assets	RMSFE	RK	Assets	RMSFE	FB test
<i>Commodities</i>													
12	Brent Oil	0.52	-	-	-	-	54	Brent Oil	0.98	-	-	-	-
82	Cocoa	0.73	37	Cocoa	0.79	0.33	28	Cocoa	0.79	12	Cocoa	0.84	0.98
75	Cocoa Fut	0.72	20	Cocoa Fut	0.79	0.31	27	Cocoa Fut	0.78	11	Cocoa Fut	0.83	0.98
71	Gold	0.71	56	Gold	0.85	0.27	32	Gold	0.85	9	Gold	0.8	0.60
72	Gold Fut	0.71	38	Gold Fut	0.83	0.31	33	Gold Fut	0.85	10	Gold Fut	0.81	0.92
87	Hog Fut	0.76	-	-	-	-	17	Hog Fut	0.68	-	-	-	-
93	Oat	0.89	50	Oat	0.84	0.29	18	Oat	0.68	63	Oat	1.06	0.99
18	Platinum	0.56	57	Platinum	0.85	0.16	41	Platinum	0.89	15	Platinum	0.86	0.77
19	RJ CRB	0.57	61	RJ CRB	0.86	0.36	92	RJ CRB	1.33	29	RJ CRB	0.92	0.59
22	Wheat	0.58	41	Wheat	0.83	0.30	45	Wheat	0.93	7	Wheat	0.78	0.91
20	Wheat Fut	0.57	33	Wheat Fut	0.82	0.27	43	Wheat Fut	0.91	64	Wheat Fut	1.07	0.97
6	WTI Oil Fut	0.50	64	WTI Oil Fut	0.87	0.25	61	WTI Oil Fut	0.99	22	WTI Oil Fut	0.90	0.57
<i>Corporate Risk</i>													
85	1MEuro - FF	0.74	10	1MEuro - FF	0.73	0.54	1	1MEuro - FF	0.34	27	1MEuro - FF	0.92	0.98
9	1MLIBOR	0.51	-	-	-	-	49	1MLIBOR	0.97	-	-	-	-
1	1YLIBOR	0.36	11	1YLIBOR	0.74	0.35	62	1YLIBOR	1	47	1YLIBOR	0.98	0.99
56	3MEuro - FF	0.67	15	3MEuro - FF	0.75	0.44	22	3MEuro - FF	0.73	19	3MEuro - FF	0.89	-
10	3MLIBOR	0.51	16	3MLIBOR	0.75	0.62	57	3MLIBOR	0.99	31	3MLIBOR	0.93	0.99
23	6MEuro - FF	0.58	12	6MEuro - FF	0.74	0.50	37	6MEuro - FF	0.88	23	6MEuro - FF	0.91	0.99
4	6MLIBOR	0.47	17	6MLIBOR	0.75	0.40	38	6MLIBOR	0.88	32	6MLIBOR	0.93	0.99
27	APFNF - AAF	0.59	-	-	-	-	4	APFNF - AAF	0.44	-	-	-	-
51	APFNF - AANF	0.66	-	-	-	-	6	APFNF - AANF	0.49	-	-	-	-
41	MBaa-10YTB	0.63	4	MBaa-10YTB	0.70	0.7	59	MBaa-10YTB	0.99	49	MBaa-10YTB	0.99	0.98
42	MLA-10YTB	0.63	-	-	-	-	7	MLA-10YTB	0.50	-	-	-	-
66	MLAA-10YTB	0.70	-	-	-	-	20	MLAA-10YTB	0.69	-	-	-	-
49	MLAAA-10YTB	0.65	-	-	-	-	14	MLAAA-10YTB	0.60	-	-	-	-
<i>Equities</i>													
7	DJI	0.50	5	DJI	0.70	0.57	26	DJI	0.77	8	DJI	0.80	0.93
5	DJI Fut	0.49	-	-	-	-	24	DJI Fut	0.76	-	-	-	-
11	MKT-RF	0.51	1	MKT-RF	0.65	0.82	21	MKT-RF	0.71	13	MKT-RF	0.84	0.88
30	Nasdaq	0.60	13	Nasdaq	0.74	0.42	3	Nasdaq	0.42	4	Nasdaq	0.75	0.98
38	Nasdaq 100	0.62	-	-	-	-	8	Nasdaq 100	0.52	-	-	-	-
15	S&P 500	0.54	6	S&P 500	0.70	0.67	11	S&P 500	0.57	2	S&P 500	0.73	0.94
13	S&P 500 Fut	0.52	3	S&P 500 Fut	0.69	0.66	9	S&P 500 Fut	0.56	1	S&P 500 Fut	0.72	0.92
44	S&P500/VIX	0.64	9	S&P500/VIXO	0.72	0.51	12	S&P500/VIX	0.58	3	S&P500/VIXO	0.73	0.99
91	SMB	0.79	26	SMB	0.81	0.33	2	SMB	0.40	37	SMB	0.95	0.99
8	SPI	0.50	2	SPI	0.68	0.66	13	SPI	0.59	5	SPI	0.76	0.90
86	UMD	0.75	18	UMD	0.76	0.45	5	UMD	0.46	6	UMD	0.77	0.96

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Table B7 continued

SAMPLE 1999			Horizon 1				SAMPLE 1999			Horizon 4			
RK	Assets	RMSFE	RK	Assets	RMSFE	FB test	RK	Assets	RMSFE	RK	Assets	RMSFE	FB test
<i>Foreign Exchange</i>													
2	Canadian\$/US\$	0.45	58	Canadian\$/US\$	0.85	0.27	72	Canadian\$/US\$	1.04	58	Canadian\$/US\$	1.04	0.96
45	Swiss Franc/US\$	0.64	54	Swiss Franc/US\$	0.84	0.26	55	Swiss Franc/US\$	0.98	14	Swiss Franc/US\$	0.85	0.92
14	EFXbroad	0.53	-	-	-	-	78	EFXbroad	1.05	-	-	-	-
16	EFXmajor	0.55	62	EFXmajor	0.86	0.27	70	EFXmajor	1.03	33	EFXmajor	0.93	0.94
<i>Government Securities</i>													
28	10YTB	0.59	7	10YTB	0.70	0.32	56	10YTB	0.99	26	10YTB	0.92	0.99
59	1YTB	0.68	19	1YTB	0.77	0.31	15	1YTB	0.66	30	1YTB	0.93	0.99
21	1YTB - FF	0.57	45	1YTB - FF	0.83	0.35	19	1YTB - FF	0.69	36	1YTB - FF	0.95	0.90
53	6MTB	0.66	14	6MTB	0.74	0.45	16	6MTB	0.67	48	6MTB	0.99	0.98
24	6MTB - FF	0.58	35	6MTB - FF	0.82	0.34	10	6MTB - FF	0.57	43	6MTB - FF	0.97	0.94
3	BEIR1F4	0.45	-	-	-	-	48	BEIR1F4	0.96	-	-	-	-
17	BEIR5-10	0.55	-	-	-	-	89	BEIR5-10	1.20	-	-	-	-
<i>Aruoba-Diebold-Scotti (ADS) Business Conditions Index</i>													
25	ADS	0.58	8	ADS	0.71	0.06	58	ADS	0.99	16	ADS	0.87	0.96

Table B8: Best Daily Financial Factors

This tables shows the best daily factors for the FADL-MIDAS ($J_X = 2$) for sample of 1999 and forecasting horizons, $h=1,4$. We highlight with light gray the top quartile in the 30 factors, which are common in the sample of 1999. In each case we present the corresponding rank and RMSFE of the predictor.

Horizon 1			Horizon 4		
Rank	Factors	RMSFE	Rank	Factors	RMSFE
<i>Daily financial factors based on all predictors, F_{ALL}</i>					
3	$F_{ALL,1}^D$	0.49	12	$F_{ALL,1}^D$	0.87
7	$F_{ALL,2}^D$	0.58	20	$F_{ALL,2}^D$	1.02
4	$F_{ALL,3}^D$	0.49	17	$F_{ALL,3}^D$	0.91
26	$F_{ALL,4}^D$	0.75	6	$F_{ALL,4}^D$	0.81
<i>Daily financial factors based on 5 homogeneous classes, F_{CLASS}</i>					
2	$F_{COMM,1}^D$	0.47	29	$F_{COMM,1}^D$	1.21
24	$F_{COMM,4}^D$	0.72	1	$F_{COMM,4}^D$	0.41
13	$F_{CORP,1}^D$	0.63	2	$F_{CORP,1}^D$	0.57
6	$F_{CORP,2}^D$	0.57	3	$F_{CORP,2}^D$	0.6
10	$F_{EQUIT,1}^D$	0.61	5	$F_{EQUIT,1}^D$	0.79
22	$F_{EQUIT,2}^D$	0.70	7	$F_{EQUIT,2}^D$	0.82
15	$F_{EQUIT,5}^D$	0.66	4	$F_{EQUIT,5}^D$	0.77
1	$F_{FX,2}^D$	0.44	18	$F_{FX,2}^D$	0.96
5	$F_{GOV,2}^D$	0.55	15	$F_{GOV,2}^D$	0.89

Table B9: Robustness: Alternative Forecast Combination Methods

This table presents RMSFEs for forecast combinations for the Mean, Median, Discounted MSFE with discount factor $\delta = 0.9$ (DMSFE), Recently Best over the past 4 quarters (RBest), Best, and Mallows Model Averaging (MMA) for two sample periods: 1999 and 1986. It includes forecast combination results on 93 daily predictors and the 25 daily factors obtained from the five homogeneous classes of assets (5 from each classes) for the sample of 1999. It also includes results on the 65 daily predictors for the sample of 1986. The estimation periods for the 1999 and 1986 samples are 1999:Q1 to 2005:Q4 and 1986:Q1 to 2000:Q4 while the forecasting periods 2006:Q1 + h to 2008:Q4 - h and 2001:Q1 + h to 2008:Q4 - h, respectively. The Entries below one imply improvements compared to the benchmark.

Forecast Horizon	Mean			Median			DiscMSE			RBest			Best			MMA		
	1	2	4	1	2	4	1	2	4	1	2	4	1	2	4	1	2	4
Panel A: Sample of 1999																		
<i>benchmarks</i>																		
RW	3.35	2.48	1.69	3.35	2.48	1.69	3.35	2.48	1.69	3.35	2.48	1.69	3.35	2.48	1.69	3.35	2.48	1.69
AR	0.96	0.99	1.05	0.97	0.98	1.03	1.01	1.03	1.16	1.04	1.12	1.60	0.96	0.97	1.03	1.01	1.03	1.16
FAR	0.77	1.03	1.08	0.73	0.73	0.96	0.74	0.78	0.98	0.74	0.78	1.14	0.69	0.72	0.77	0.79	1.06	1.15
<i>daily financial assets</i>																		
ADL	0.91	0.91	0.93	0.94	0.96	1.00	0.92	0.88	0.92	0.59	0.48	0.52	0.64	0.53	0.57	0.96	0.95	1.05
FADL	0.69	0.71	0.78	0.69	0.75	0.82	0.67	0.66	0.74	0.30	0.42	0.13	0.49	0.56	0.48	0.72	0.73	0.88
ADL-MIDAS ($J_X = 0$)	0.87	0.90	0.92	0.91	0.94	0.97	0.85	0.86	0.90	0.39	0.47	0.80	0.58	0.46	0.51	0.92	0.93	1.03
FADL-MIDAS ($J_X = 0$)	0.63	0.65	0.81	0.66	0.67	0.86	0.62	0.60	0.70	0.32	0.48	0.33	0.49	0.52	0.31	0.66	0.67	0.89
ADL-MIDAS ($J_X = 2$)	0.80	0.88	0.87	0.86	0.94	0.93	0.74	0.82	0.84	0.37	0.43	0.26	0.48	0.54	0.43	0.84	0.91	0.97
FADL-MIDAS ($J_X = 2$)	0.58	0.67	0.79	0.61	0.69	0.84	0.54	0.63	0.67	0.26	0.36	0.32	0.36	0.54	0.34	0.60	0.69	0.87
<i>daily financial factors</i>																		
ADL	0.87	0.90	0.89	0.93	0.94	0.95	0.86	0.86	0.94	0.54	0.54	1.07	0.65	0.71	0.79	0.92	0.93	1.00
FADL	0.66	0.70	0.79	0.72	0.74	0.81	0.64	0.68	0.77	0.40	0.50	0.73	0.65	0.66	0.46	0.70	0.72	0.88
ADL-MIDAS ($J_X = 0$)	0.86	0.89	0.89	0.91	0.94	0.94	0.85	0.84	0.94	0.60	0.54	0.96	0.60	0.63	0.81	0.90	0.92	0.99
FADL-MIDAS ($J_X = 0$)	0.61	0.66	0.83	0.64	0.67	0.86	0.59	0.62	0.82	0.41	0.56	0.67	0.58	0.65	0.85	0.64	0.68	0.92
ADL-MIDAS ($J_X = 2$)	0.81	0.88	0.83	0.86	0.91	0.80	0.76	0.82	0.79	0.50	0.63	0.62	0.42	0.57	0.72	0.85	0.90	0.93
FADL-MIDAS ($J_X = 2$)	0.59	0.63	0.77	0.61	0.70	0.87	0.55	0.59	0.62	0.27	0.50	0.60	0.49	0.56	0.81	0.62	0.66	0.84

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Table B9 continued

Forecast Horizon	Mean			Median			DiscMSE			RBest			Best			MMA		
	1	2	4	1	2	4	1	2	4	1	2	4	1	2	4	1	2	4
Panel B: Sample of 1986																		
<i>Benchmarks</i>																		
RW	2.56	1.85	1.18	2.56	1.85	1.18	2.56	1.85	1.18	2.56	1.85	1.18	2.56	1.85	1.18	2.56	1.85	1.18
AR	0.94	0.99	1.00	0.94	0.99	0.99	0.96	0.99	1.01	0.93	1.00	0.98	0.92	0.98	0.98	0.96	0.99	1.01
FAR	0.83	0.90	0.96	0.82	0.88	0.97	0.84	0.90	0.97	0.80	0.88	0.87	0.82	0.87	0.95	0.84	0.90	0.98
<i>Daily Predictors</i>																		
ADL	0.89	0.95	0.94	0.91	0.97	0.96	0.89	0.93	0.93	0.64	0.77	0.71	0.74	0.86	0.81	0.90	0.94	0.95
FADL	0.78	0.84	0.90	0.80	0.86	0.92	0.78	0.83	0.89	0.56	0.61	0.55	0.69	0.77	0.67	0.80	0.84	0.91
ADL-MIDAS ($J_X = 0$)	0.87	0.93	0.93	0.90	0.95	0.95	0.84	0.91	0.92	0.48	0.69	0.71	0.64	0.84	0.82	0.88	0.93	0.94
FADL-MIDAS ($J_X = 0$)	0.78	0.83	0.89	0.80	0.85	0.92	0.76	0.81	0.88	0.51	0.58	0.55	0.67	0.75	0.73	0.79	0.83	0.91
ADL-MIDAS ($J_X = 2$)	0.85	0.92	0.90	0.89	0.95	0.92	0.82	0.90	0.86	0.44	0.59	0.56	0.68	0.69	0.76	0.86	0.92	0.91
FADL-MIDAS ($J_X = 2$)	0.76	0.82	0.87	0.79	0.84	0.90	0.74	0.80	0.79	0.48	0.57	0.39	0.64	0.71	0.71	0.77	0.82	0.89

Table B10: Robustness: Alternative Forecast Combination Methods for the Blocks of Assets

This table shows the Relative RMSFE of Forecast Combinations of daily predictors and factors based on Mean and DiscMSE for various classes of assets, for 1-, 2- and 4-step ahead forecasts, and for two sample periods: 1999 and 1986.

Forecast Horizon	ALL			COMM			CORP			EQUIT			FX			GOVSEC		
	1	2	4	1	2	4	1	2	4	1	2	4	1	2	4	1	2	4
Panel A: Sample of 1999																		
<i>daily financial assets</i>																		
Mean																		
FADL	0.69	0.71	0.78	0.71	0.70	0.81	0.68	0.69	0.65	0.69	0.70	0.80	0.61	0.77	1.04	0.68	0.76	0.81
FADL-MIDAS ($J_X = 0$)	0.63	0.65	0.81	0.64	0.63	0.80	0.65	0.62	0.69	0.62	0.69	0.84	0.61	0.70	1.08	0.63	0.70	0.83
FADL-MIDAS ($J_X = 2$)	0.58	0.67	0.79	0.62	0.68	0.88	0.56	0.62	0.63	0.55	0.70	0.63	0.56	0.72	1.01	0.57	0.70	0.80
DiscMSE																		
FADL	0.67	0.66	0.74	0.71	0.66	0.81	0.68	0.66	0.52	0.67	0.67	0.78	0.59	0.76	1.09	0.69	0.74	0.78
FADL-MIDAS ($J_X = 0$)	0.62	0.60	0.70	0.63	0.59	0.82	0.66	0.55	0.40	0.61	0.64	0.87	0.61	0.69	1.11	0.63	0.68	0.84
FADL-MIDAS ($J_X = 2$)	0.54	0.63	0.67	0.61	0.63	0.88	0.50	0.56	0.39	0.53	0.66	0.56	0.55	0.72	1.09	0.53	0.70	0.82
<i>daily financial factors</i>																		
Mean																		
FADL	0.66	0.70	0.79	0.75	0.72	0.83	0.64	0.63	0.66	0.72	0.70	0.82	0.57	0.74	0.88	0.72	0.75	0.86
FADL-MIDAS ($J_X = 0$)	0.61	0.66	0.83	0.68	0.64	0.88	0.59	0.61	0.76	0.65	0.73	0.80	0.53	0.69	0.87	0.65	0.68	0.90
FADL-MIDAS ($J_X = 2$)	0.59	0.63	0.77	0.62	0.69	0.81	0.61	0.52	0.54	0.63	0.74	0.70	0.55	0.72	0.98	0.57	0.61	0.89
DiscMSE																		
FADL	0.64	0.68	0.77	0.75	0.71	0.82	0.63	0.59	0.65	0.73	0.70	0.74	0.55	0.73	0.91	0.74	0.76	0.94
FADL-MIDAS ($J_X = 0$)	0.59	0.62	0.82	0.68	0.60	0.93	0.55	0.59	0.71	0.67	0.71	0.74	0.50	0.67	0.89	0.66	0.69	0.98
FADL-MIDAS ($J_X = 2$)	0.55	0.59	0.62	0.57	0.67	0.63	0.60	0.51	0.38	0.64	0.74	0.60	0.53	0.71	1.01	0.52	0.60	0.95

Table B10 continued

Forecast Horizon	ALL			COMM			CORP			EQUIT			FX			GOVSEC		
	1	2	4	1	2	4	1	2	4	1	2	4	1	2	4	1	2	4
Panel B: Sample of 1986																		
<i>daily financial assets</i>																		
Mean																		
FADL	0.78	0.84	0.90	0.80	0.84	0.93	0.74	0.82	0.81	0.78	0.80	0.90	0.81	0.87	0.94	0.79	0.87	0.89
FADL-MIDAS ($J_X = 0$)	0.78	0.83	0.89	0.80	0.83	0.91	0.73	0.83	0.86	0.76	0.78	0.89	0.82	0.86	0.92	0.80	0.86	0.92
FADL-MIDAS ($J_X = 2$)	0.76	0.82	0.87	0.81	0.84	0.91	0.69	0.81	0.87	0.72	0.77	0.76	0.82	0.87	0.91	0.76	0.84	0.92
DiscMSE																		
FADL	0.78	0.83	0.89	0.81	0.83	0.93	0.74	0.80	0.78	0.78	0.80	0.90	0.82	0.87	0.96	0.80	0.88	0.89
FADL-MIDAS ($J_X = 0$)	0.76	0.81	0.88	0.80	0.82	0.89	0.71	0.82	0.85	0.76	0.78	0.88	0.83	0.86	0.92	0.81	0.86	0.91
FADL-MIDAS ($J_X = 2$)	0.74	0.80	0.79	0.81	0.82	0.88	0.67	0.80	0.86	0.71	0.76	0.70	0.83	0.87	0.92	0.74	0.84	0.92