



# Calendar of Releases

*Titles for the current week are links to their respective releases.*

MONDAY*	TUESDAY	WEDNESDAY	THURSDAY*	FRIDAY
<b>September 29</b> <b>Personal Income (Aug)</b> A: 0.5% PF: 0.2% <b>Consumption (Aug)</b> A: 0.0% PF: 0.2% <b>Core PCE (Aug)</b> A: 0.2% PF: 0.2%	<b>September 30</b>	<b>October 1</b> <b>ISM Index (Sep)</b> A: 43.5 PF: 49.5 <b>Construct Spending (Aug)</b> A: 0.0% PF: -0.5% <b>Latest Issue</b> <b>National Economic Trends</b>	<b>October 2</b> <b>Initial Claims (9/27)</b> A: 497K PF: 475K <b>Factory Orders (Aug)</b> A: -4.0% PF: -2.5%	<b>October 3</b> <b>Nonfarm Payrolls (Sep)</b> A: N/A PF: -100K <b>Unemployment Rate (Sep)</b> A: N/A PF: 6.1% <b>ISM Non Mfg Index (Sep)</b> A: N/A PF: 50.0
<b>October 6</b>	<b>October 7</b> <b>Consumer Credit (Aug)</b> CF: N/A PF: \$5.0B <b>FOMC Minutes</b> (previous meeting)	<b>October 8</b>	<b>October 9</b> <b>Initial Claims (10/4)</b> CF: N/A PF: 455K	<b>October 10</b> <b>International Trade (Aug)</b> CF: N/A PF: -\$59.5B <b>Import Prices (Sep)</b> CF: N/A PF: -1.5% <b>Treasury Budget (Sep)</b> CF: N/A PF: \$82.0B
<b>October 13</b>	<b>October 14</b>	<b>October 15</b> <b>Retail Sales (Sep)</b> CF: N/A <b>Inventories (Aug)</b> CF: N/A <b>PPI (Sep)</b> CF: N/A <b>Core PPI (Sep)</b> CF: N/A <b>Current Economic</b> <b>Conditions (Beige Book)</b>	<b>October 16</b> <b>Initial Claims (10/11)</b> CF: N/A <b>CPI (Sep)</b> CF: N/A <b>Core CPI (Sep)</b> CF: N/A <b>Industrial Production (Sep)</b> CF: N/A <b>Capacity Utilization (Sep)</b> CF: N/A	<b>October 17</b> <b>Housing Starts (Sep)</b> CF: N/A <b>Building Permits (Sep)</b> CF: N/A

DEFINITIONS: A, actual value; PF, previous week's forecast; CF, current week's forecast; K, thousand; M, million; B, billion.

\*The Board of Governors of the Federal Reserve System provides H.3, H.4.1, and H.6 releases each Thursday and H.10 and H.15 releases each Monday.

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## Conventions used in this publication:

1. Unless otherwise indicated, figure and table data are weekly and seasonally adjusted.
2. For pages 7, 10, 11 (top chart), 12 (top chart), 13, and 19 (top and bottom right tables), the last observation is a daily average that incorporates all available data at the time of publication, which usually includes observations for the first three trading days of the week (Monday through Wednesday). The previous observations signify that week's average.

We welcome your comments addressed to:

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St. Louis, MO 63166-0442

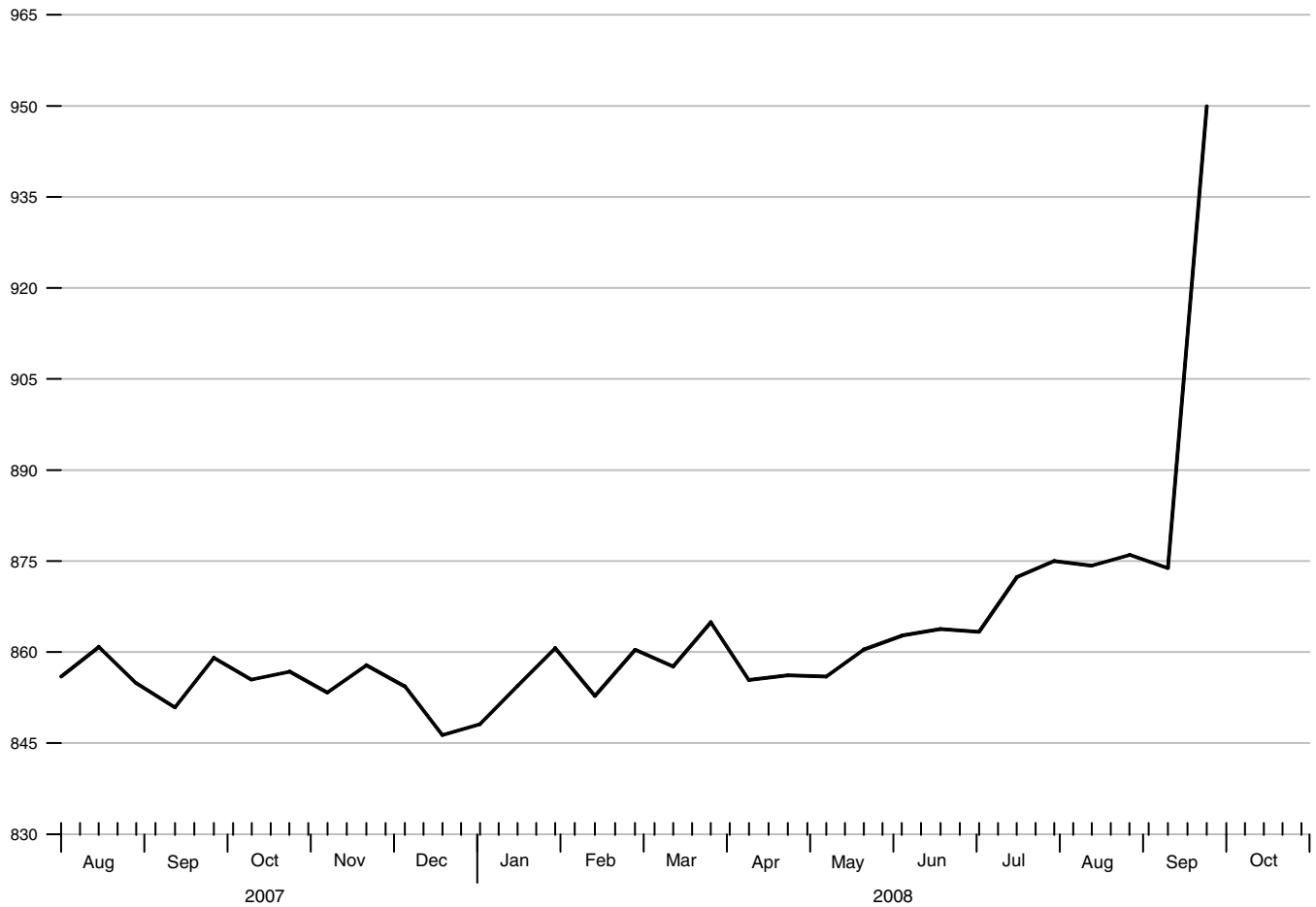
or to:

[stlsFRED@stls.frb.org](mailto:stlsFRED@stls.frb.org)

### Adjusted Monetary Base

Averages of Daily Figures, Seasonally Adjusted

Billions of dollars



### Adjusted Monetary Base

To the average of  
two maintenance  
periods ending:

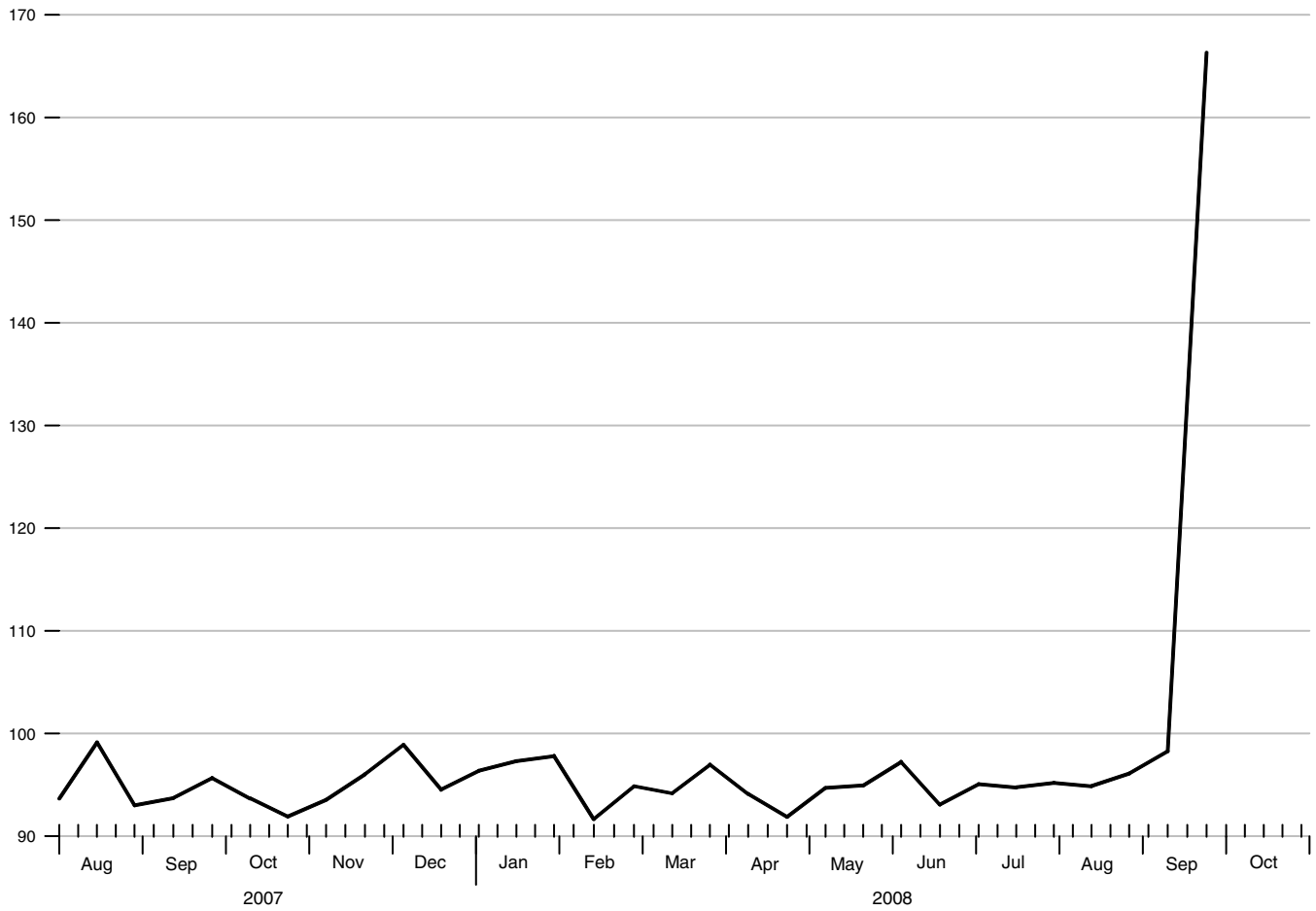
Compounded annual rates of change, average of two maintenance periods ending:

	09/26/07	12/19/07	02/27/08	03/26/08	04/23/08	05/21/08	07/02/08	07/30/08
02/27/08	0.4							
03/26/08	1.5	4.9						
04/23/08	0.2	1.8	-0.6					
05/21/08	0.6	2.2	0.8	-2.3				
07/02/08	1.3	2.9	2.4	1.0	4.9			
07/30/08	2.6	4.5	4.8	4.2	8.0	9.7		
08/27/08	2.6	4.2	4.4	3.8	6.7	7.5	9.0	
09/24/08	6.7	9.5	11.5	12.1	16.2	19.2	26.6	32.1

**Adjusted Reserves**

Seasonally Adjusted

Billions of dollars



**Adjusted Reserves**

To the average of  
two maintenance  
periods ending:

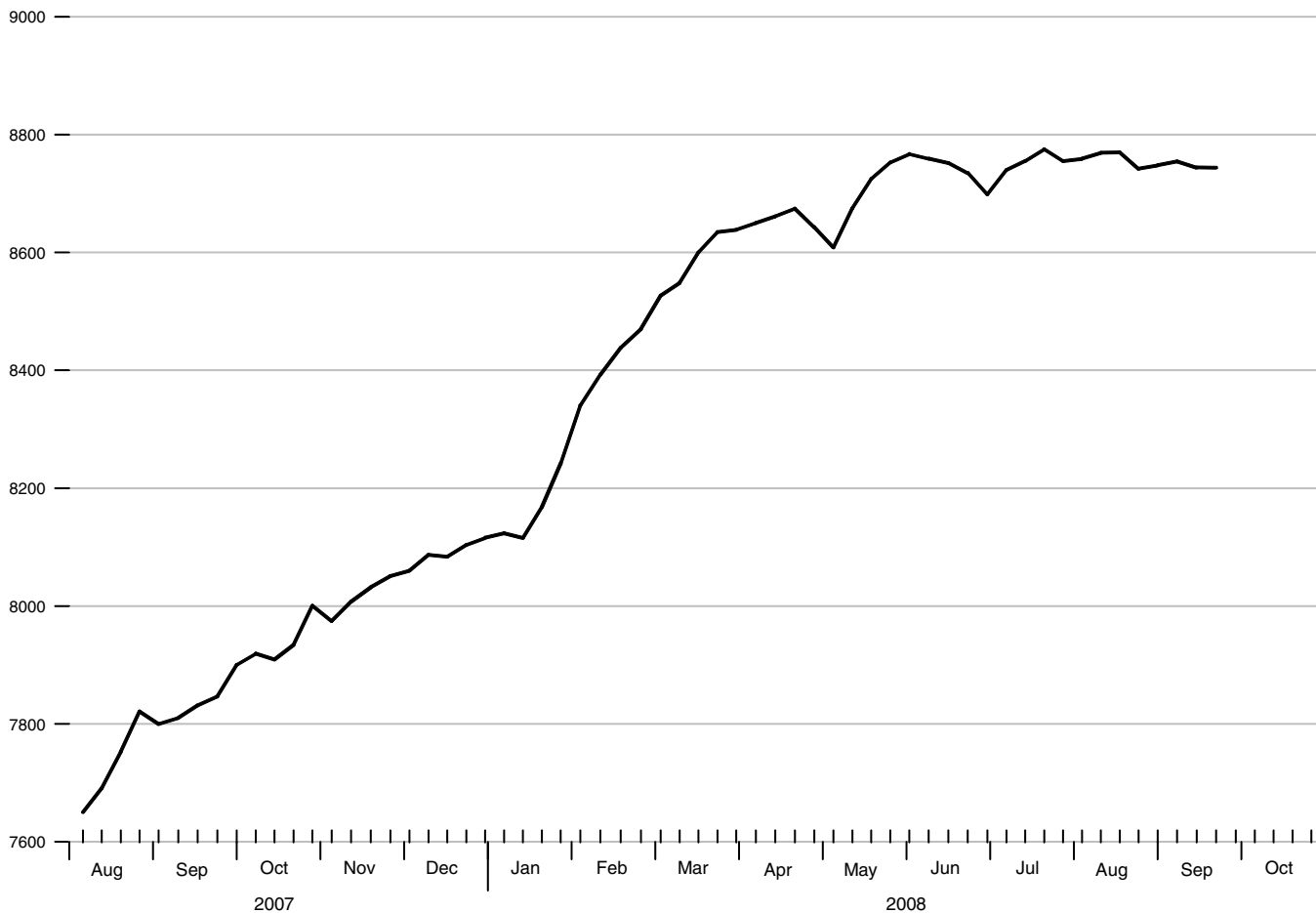
Compounded annual rates of change, average of two maintenance periods ending:

	09/26/07	12/19/07	02/27/08	03/26/08	04/23/08	05/21/08	07/02/08	07/30/08
02/27/08	-3.5							
03/26/08	1.9	-4.3						
04/23/08	-3.1	-10.7	-1.9					
05/21/08	0.2	-4.6	7.4	-5.1				
07/02/08	-0.8	-5.0	2.5	-5.7	6.2			
07/30/08	0.4	-2.9	4.4	-1.8	8.2	0.9		
08/27/08	0.9	-1.8	4.8	-0.2	8.0	2.7	10.2	
09/24/08	39.7	50.3	83.3	91.6	130.1	161.9	338.3	762.6

**MZM**

Averages of Daily Figures, Seasonally Adjusted

Billions of dollars



**MZM**

To the average  
of four weeks  
ending:

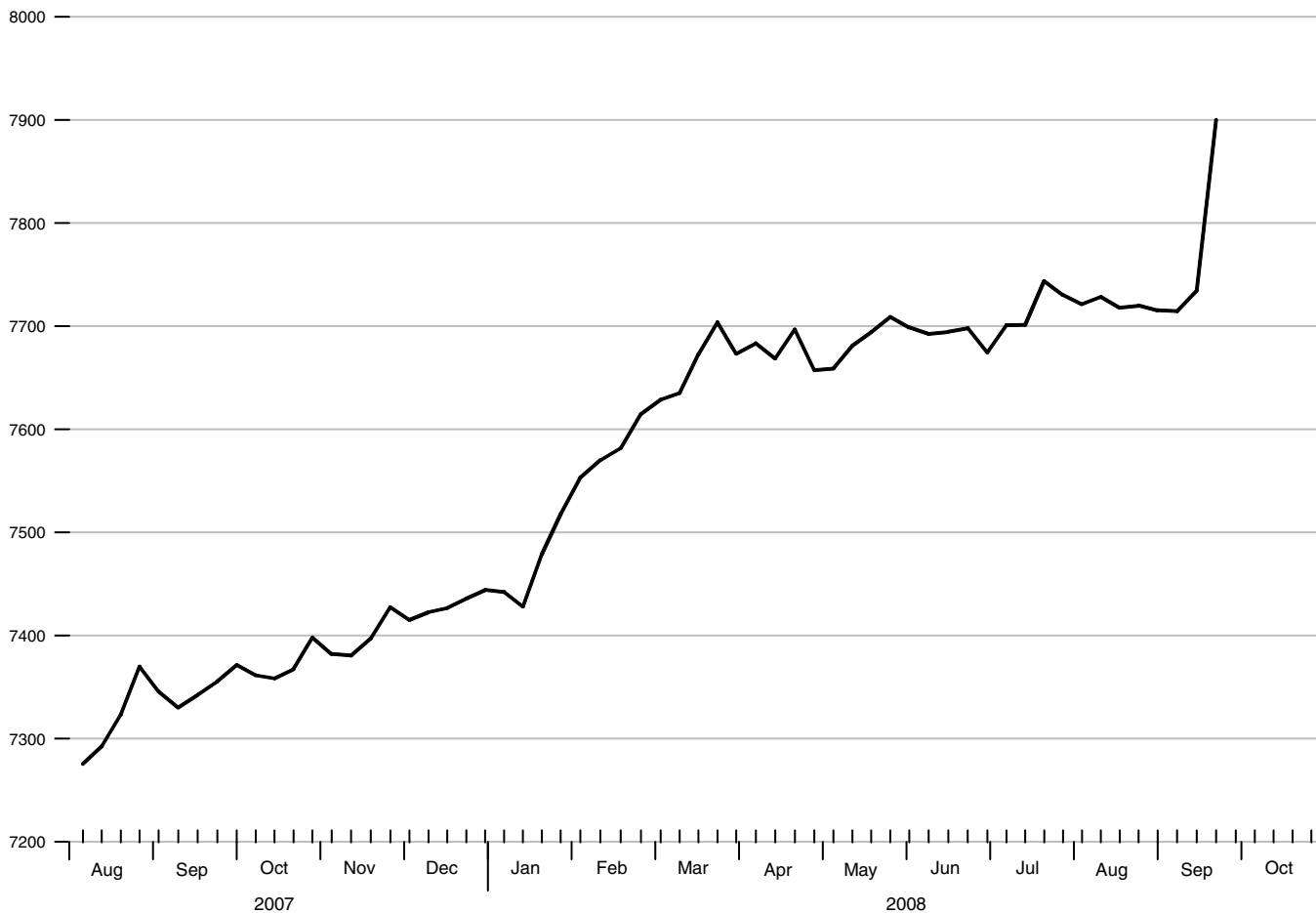
Compounded annual rates of change, average of four weeks ending:

	09/24/07	12/17/07	02/25/08	03/24/08	04/21/08	05/19/08	06/30/08	07/28/08
02/25/08	18.7							
03/24/08	20.3	25.4						
04/21/08	19.2	22.4	20.6					
05/19/08	16.9	18.2	13.7	6.7				
06/30/08	15.5	15.9	11.6	7.0	4.9			
07/28/08	14.3	14.2	10.0	6.1	4.4	5.7		
08/25/08	13.1	12.6	8.5	5.1	3.5	4.2	1.8	
09/22/08	11.8	11.0	7.1	4.0	2.5	2.8	0.6	-0.6

**M2**

Averages of Daily Figures, Seasonally Adjusted

Billions of dollars



**M2**

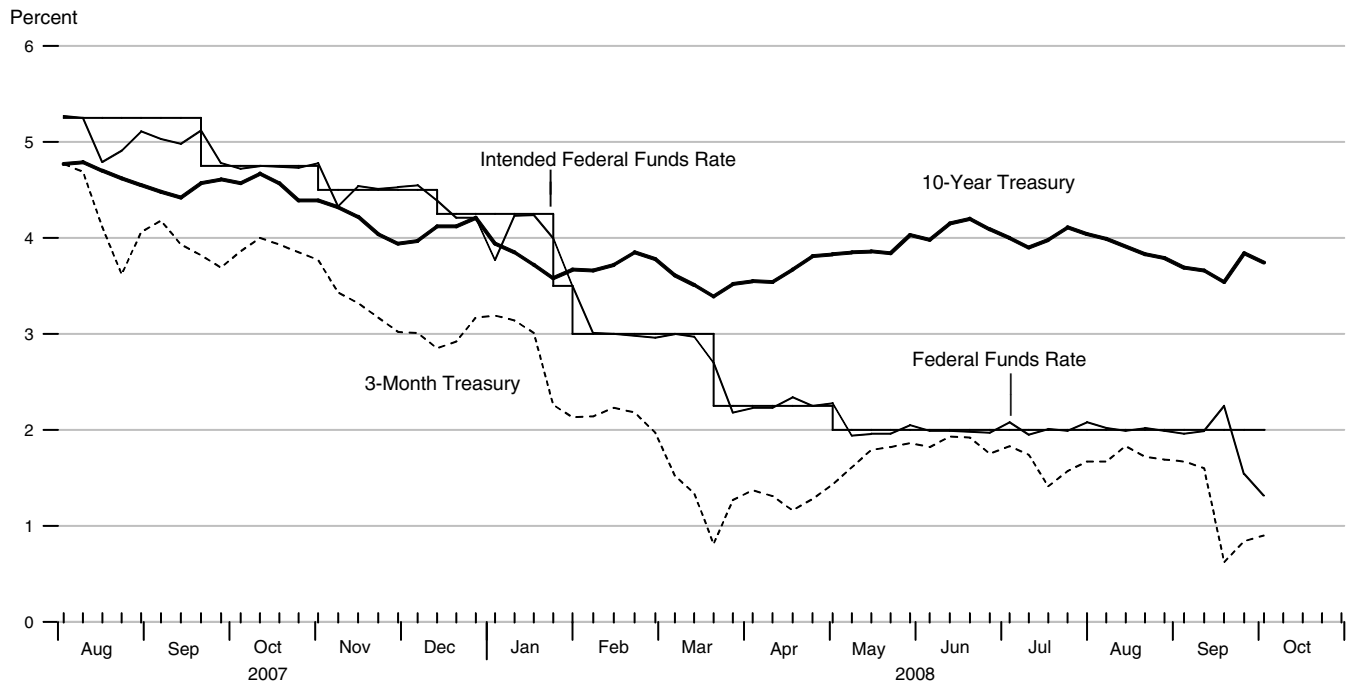
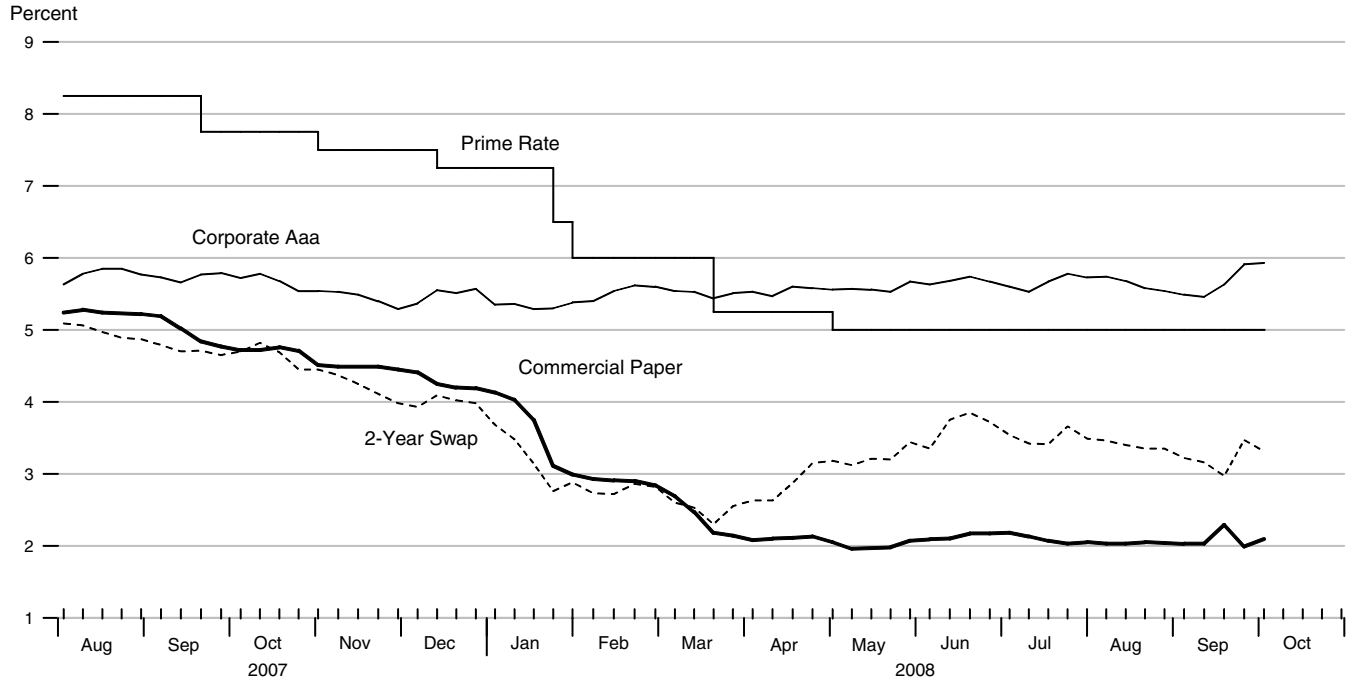
To the average  
of four weeks  
ending:

Compounded annual rates of change, average of four weeks ending:

	09/24/07	12/17/07	02/25/08	03/24/08	04/21/08	05/19/08	06/30/08	07/28/08
02/25/08	7.8							
03/24/08	8.8	12.4						
04/21/08	8.1	10.4	9.0					
05/19/08	6.9	8.1	5.4	1.1				
06/30/08	6.2	6.8	4.3	1.5	0.6			
07/28/08	6.1	6.6	4.4	2.2	1.9	3.2		
08/25/08	5.6	5.9	3.8	1.9	1.6	2.4	2.7	
09/22/08	5.8	6.1	4.3	2.8	2.7	3.5	4.4	4.0

### Yields on Selected Securities

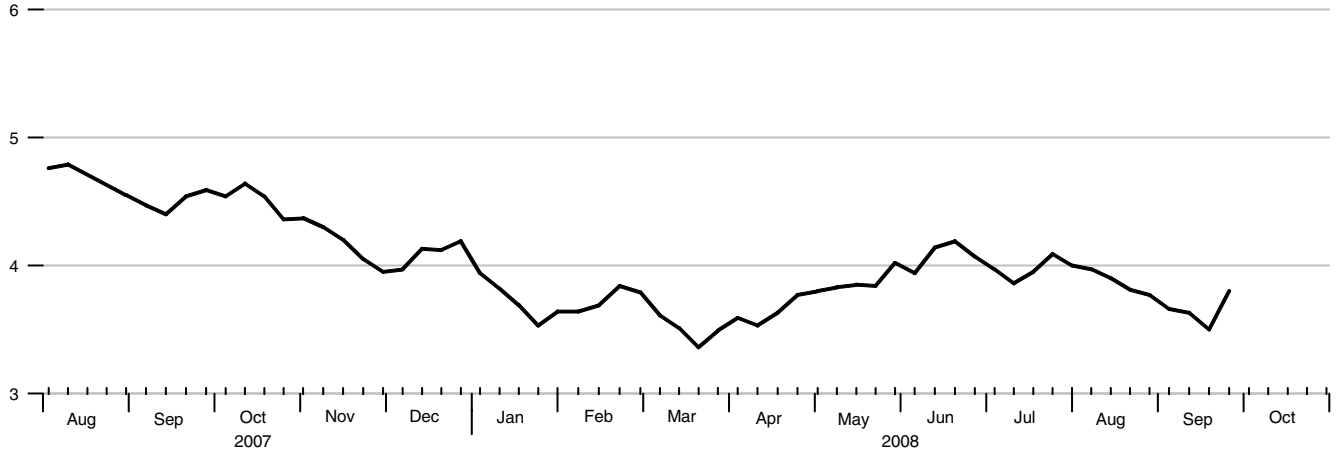
Averages of Daily Figures



### 10-Year Treasury Note Yield

Averages of Daily Figures

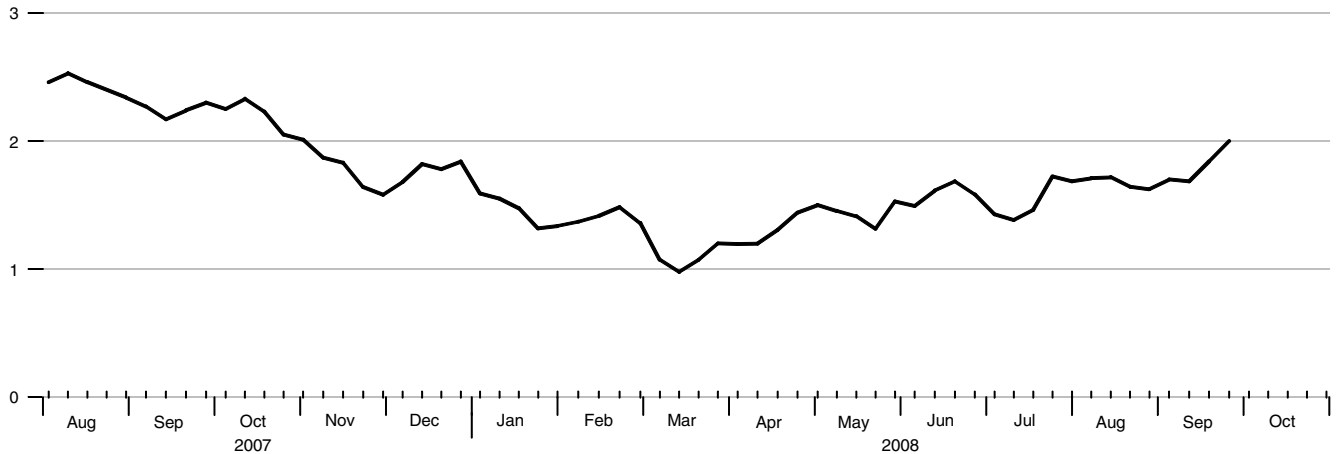
Percent



### 10-Year Inflation-Indexed Treasury Yield

Averages of Daily Figures

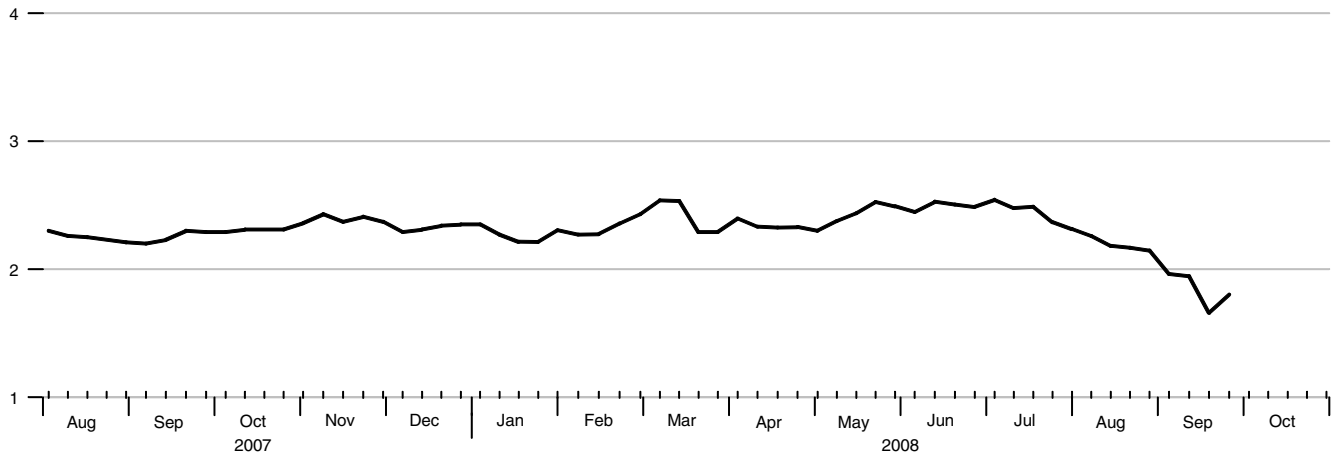
Percent



### 10-Year Inflation-Indexed Treasury Yield Spread

Averages of Daily Figures

Percent

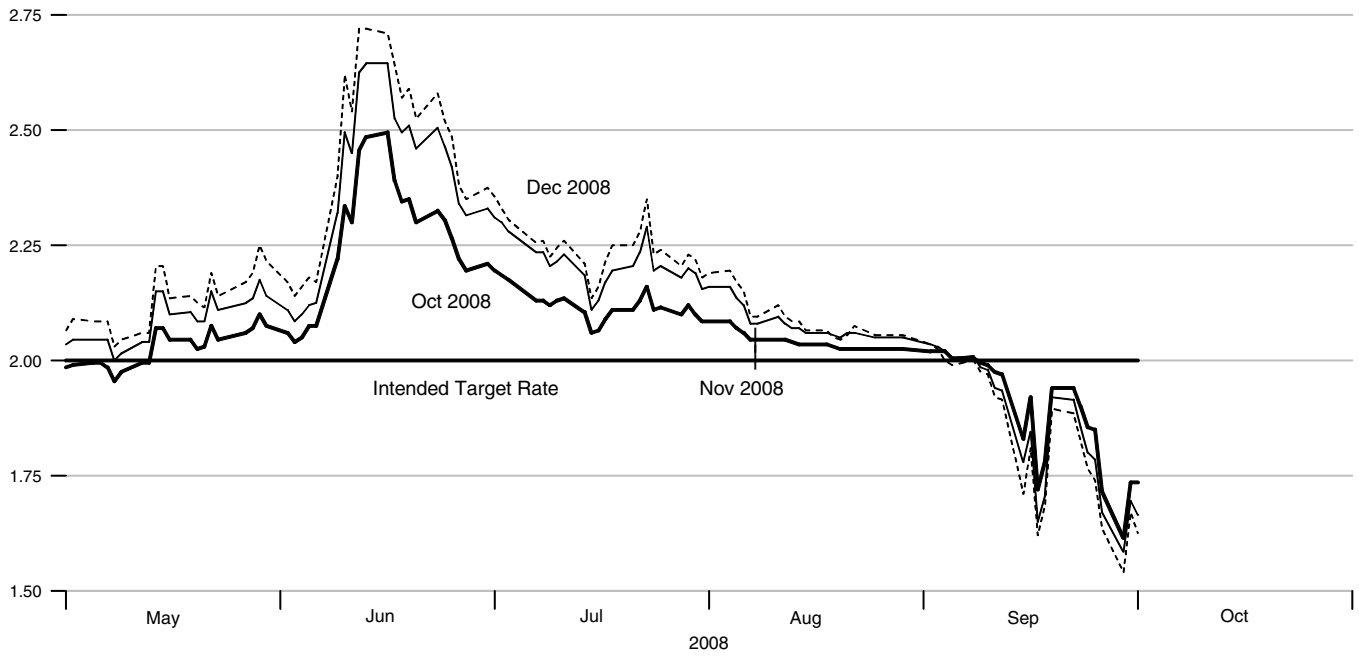




### Rates on Federal Funds Futures Contracts

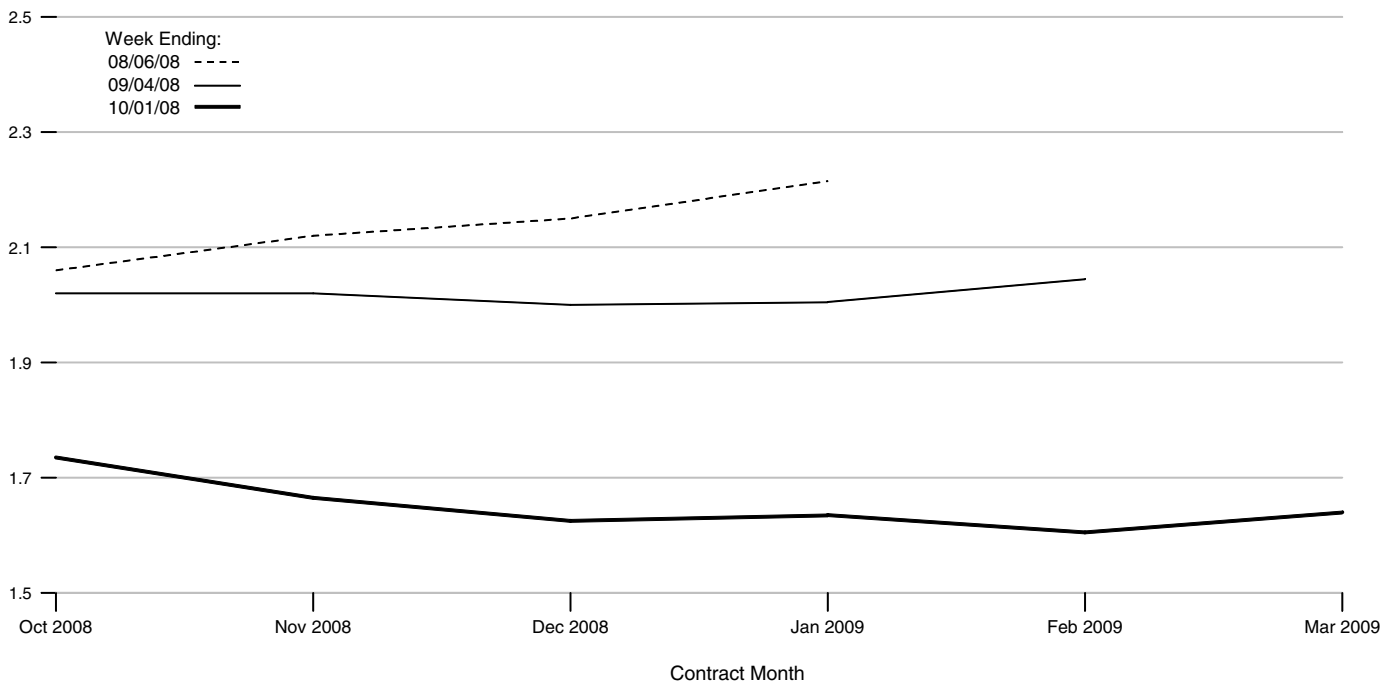
Daily Data

Percent



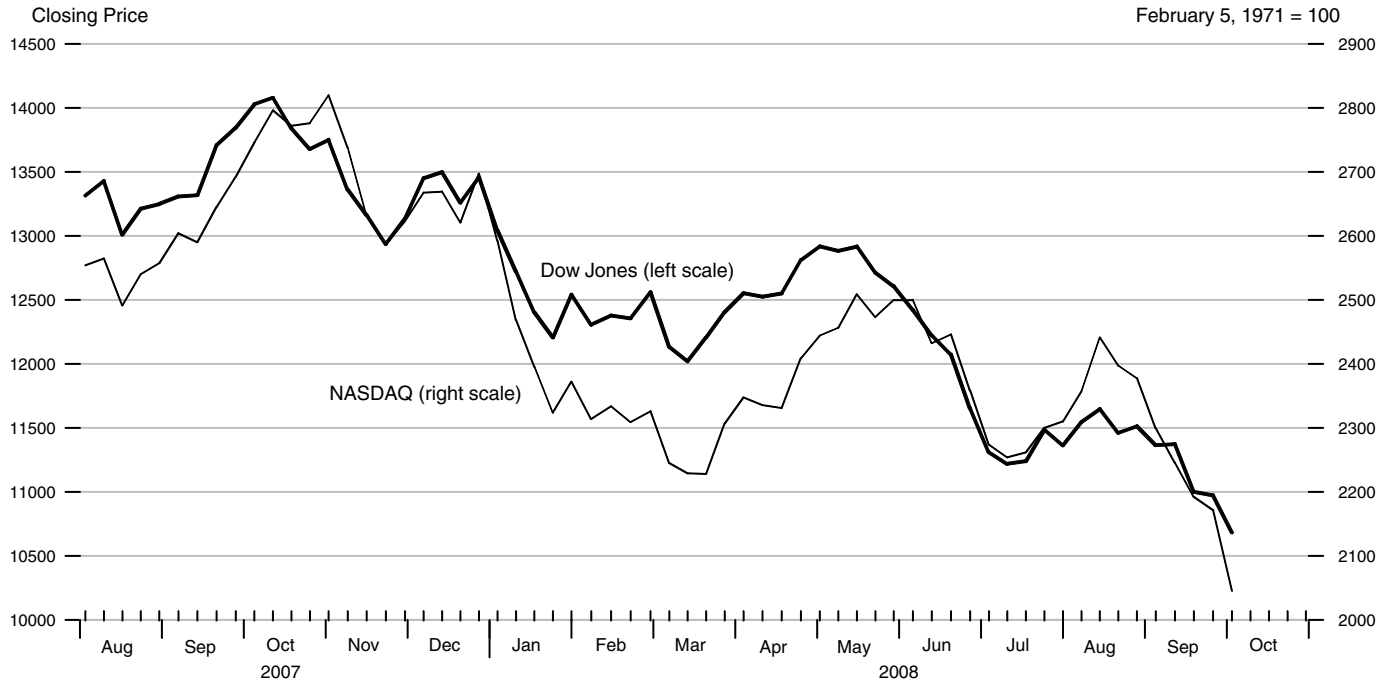
### Rates on Federal Funds Futures on Selected Dates

Percent



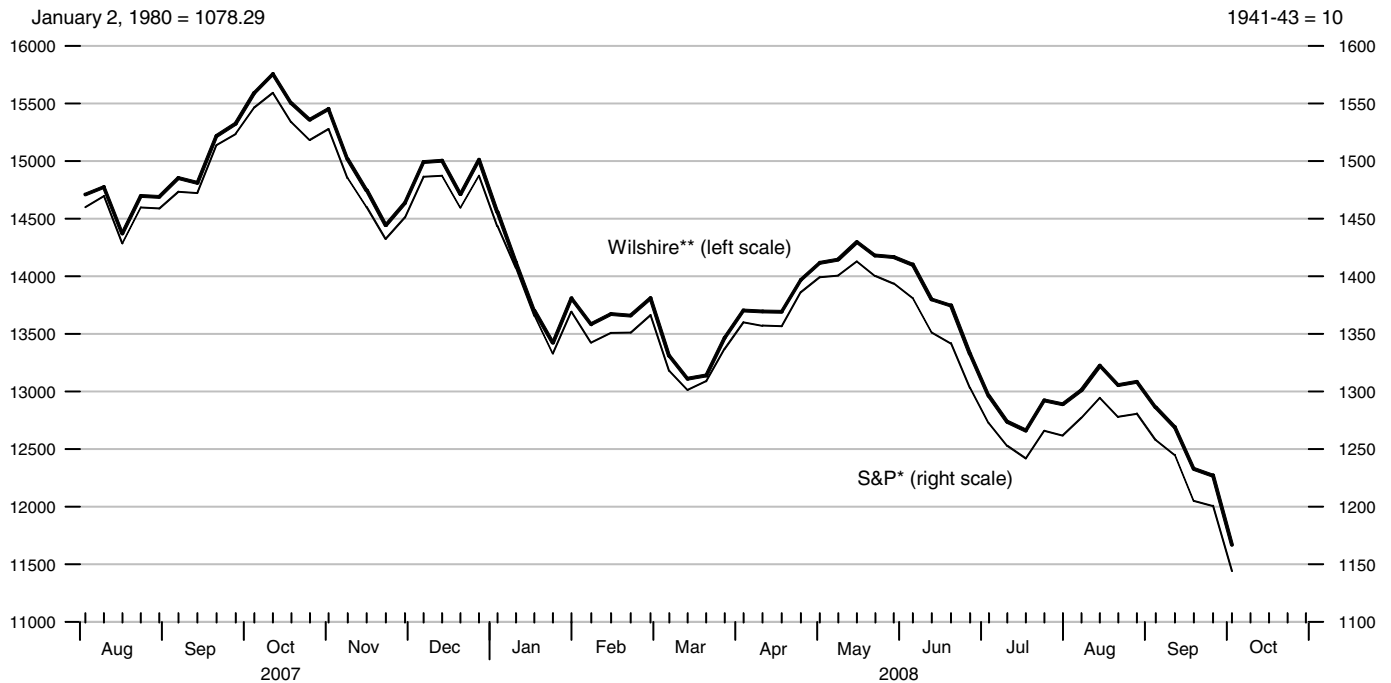
**Dow Jones Industrial Average and NASDAQ Composite®**

Averages of Daily Figures



**Wilshire 5000® and Standard & Poor's 500**

Averages of Daily Figures



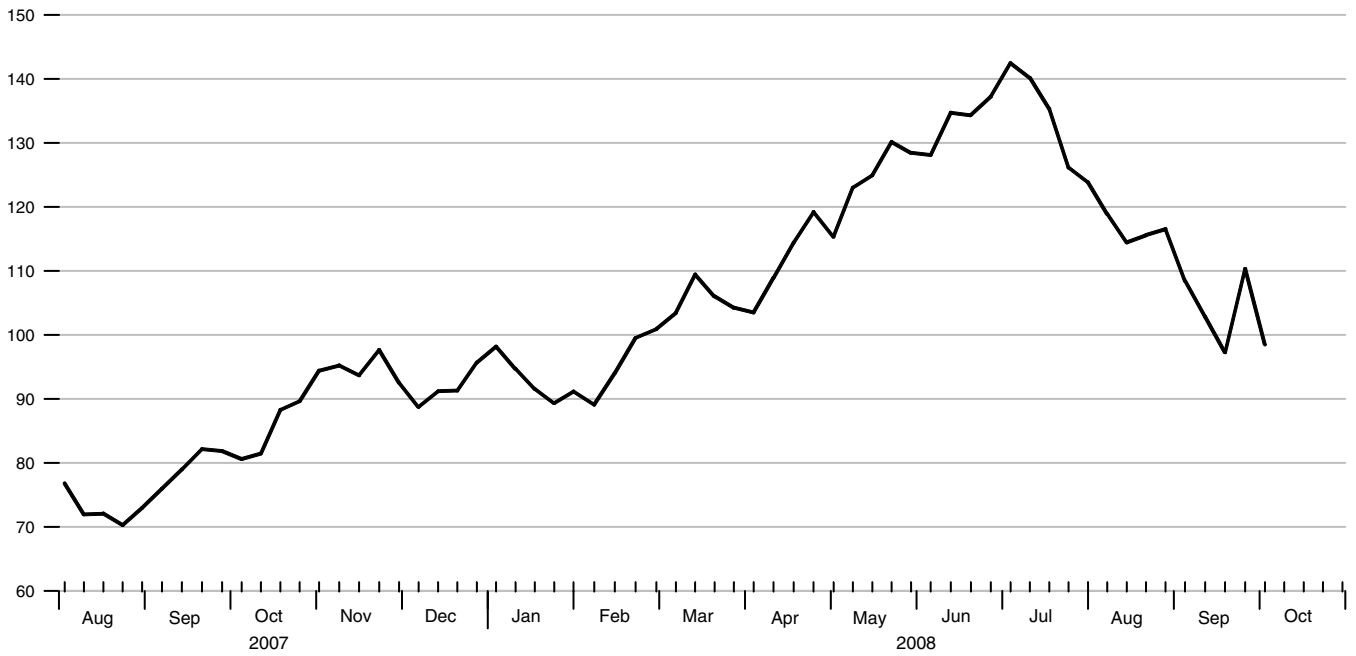
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\*\*Source: Wilshire Associates Incorporated, www.wilshire.com

### Crude Oil Spot Prices

West Texas Intermediate, Averages of Daily Figures

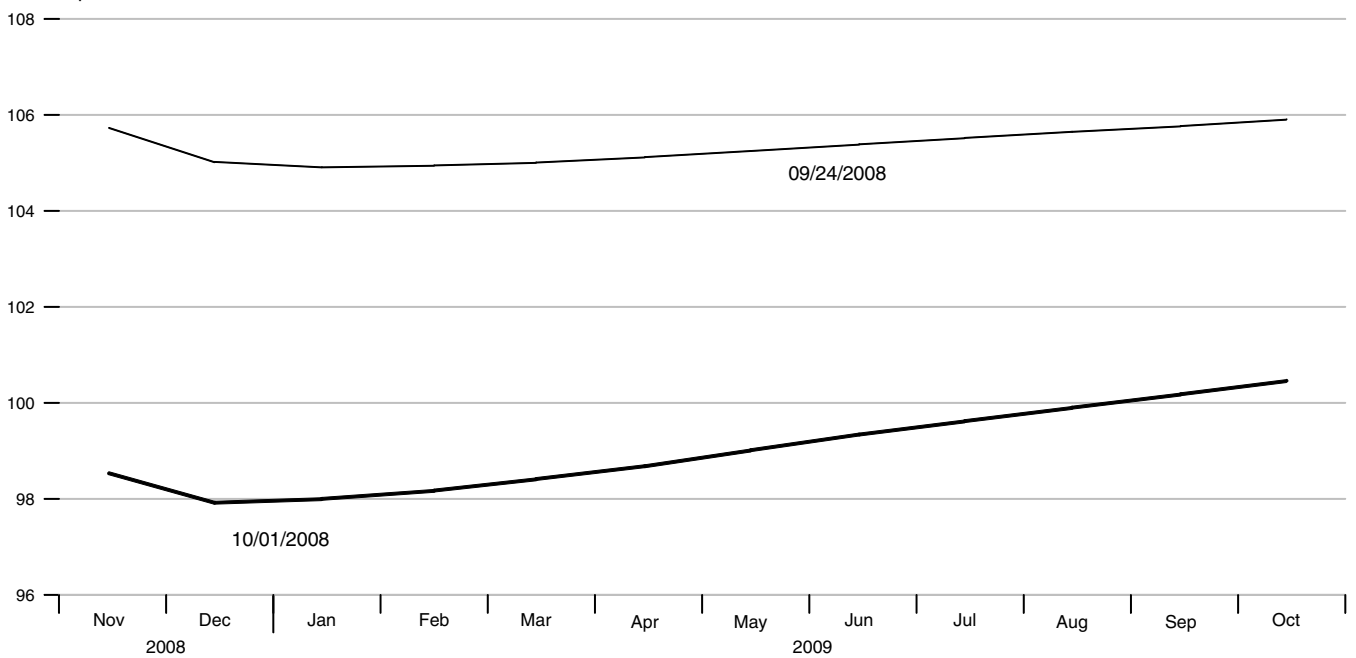
Dollars per barrel



### Crude Oil Futures Prices

West Texas Intermediate

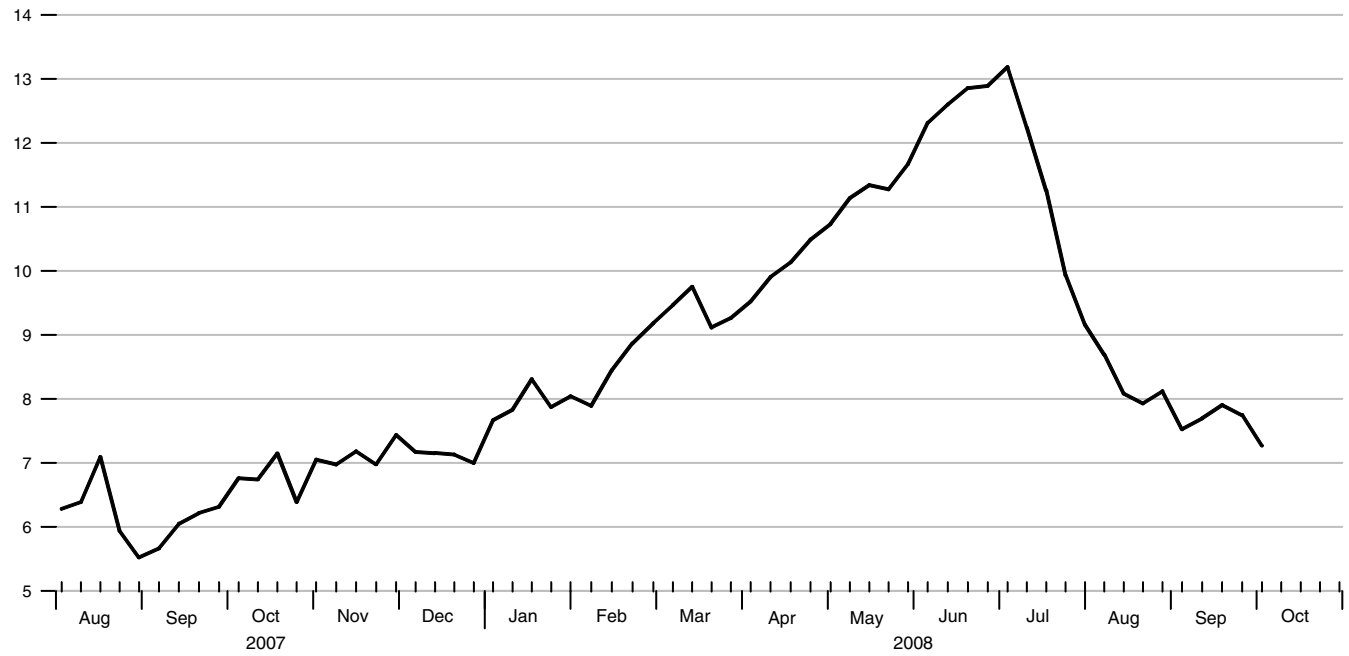
Dollars per barrel



### Natural Gas Spot Prices

Henry Hub, Averages of Daily Figures

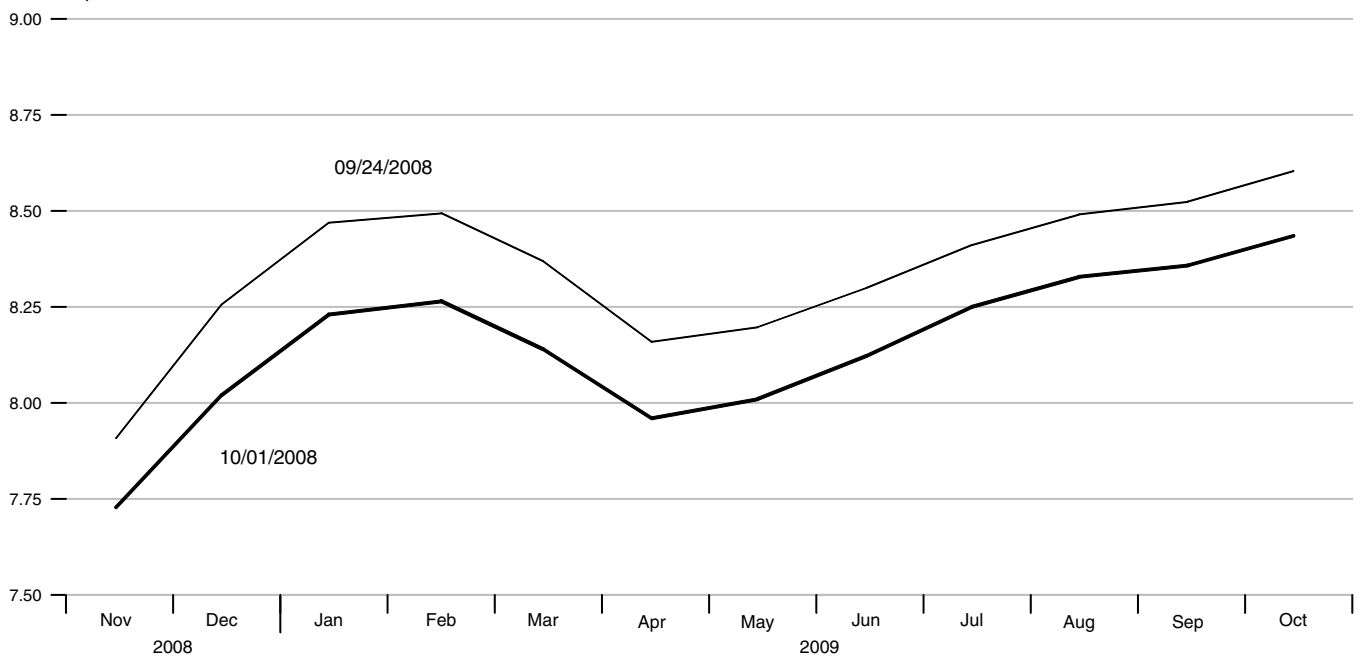
Dollars per million btu



### Natural Gas Futures Prices

Henry Hub

Dollars per million btu

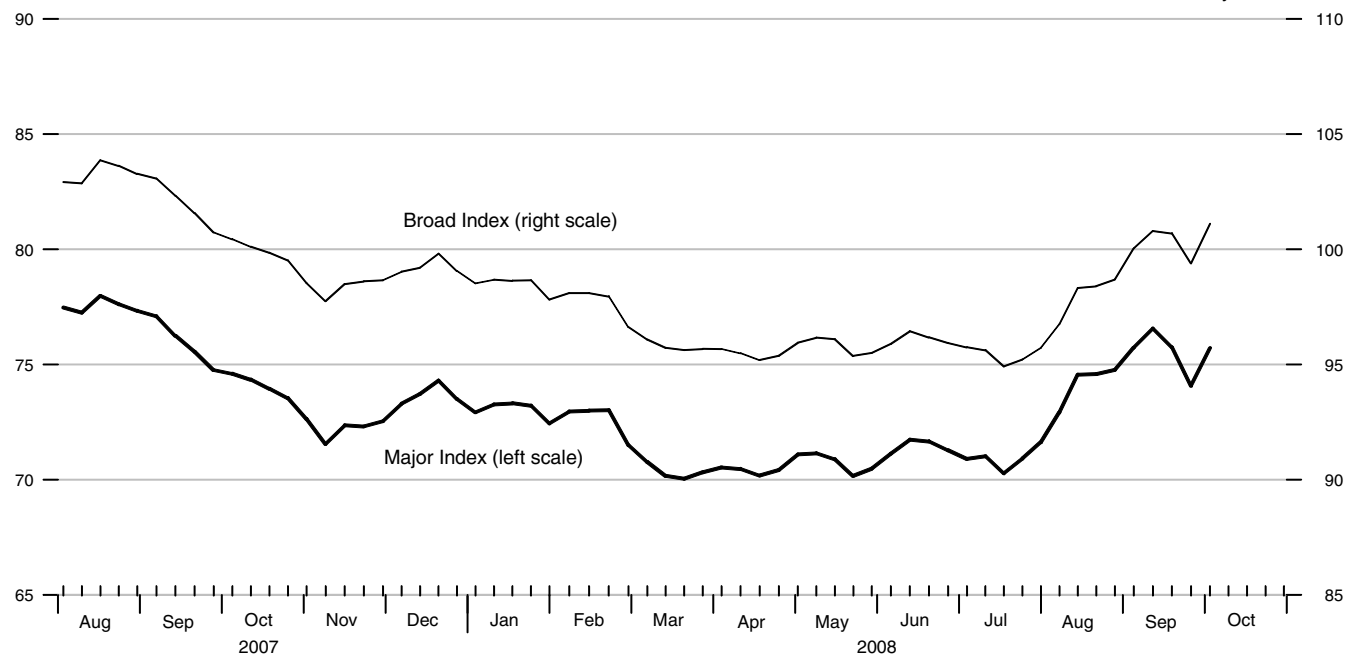


### Trade-Weighted Exchange Rate Indexes

Averages of Daily Figures

March 1973=100

January 1987=100

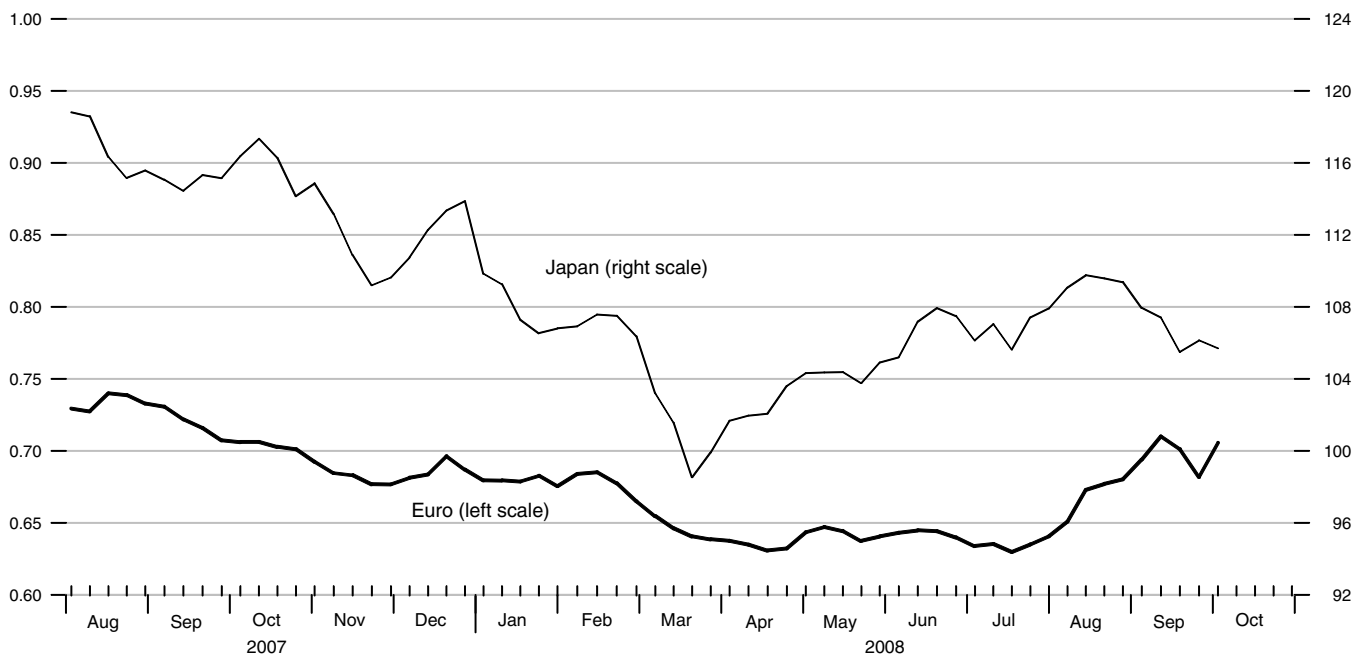


### Exchange Rates

Averages of Daily Figures

Euro/US\$

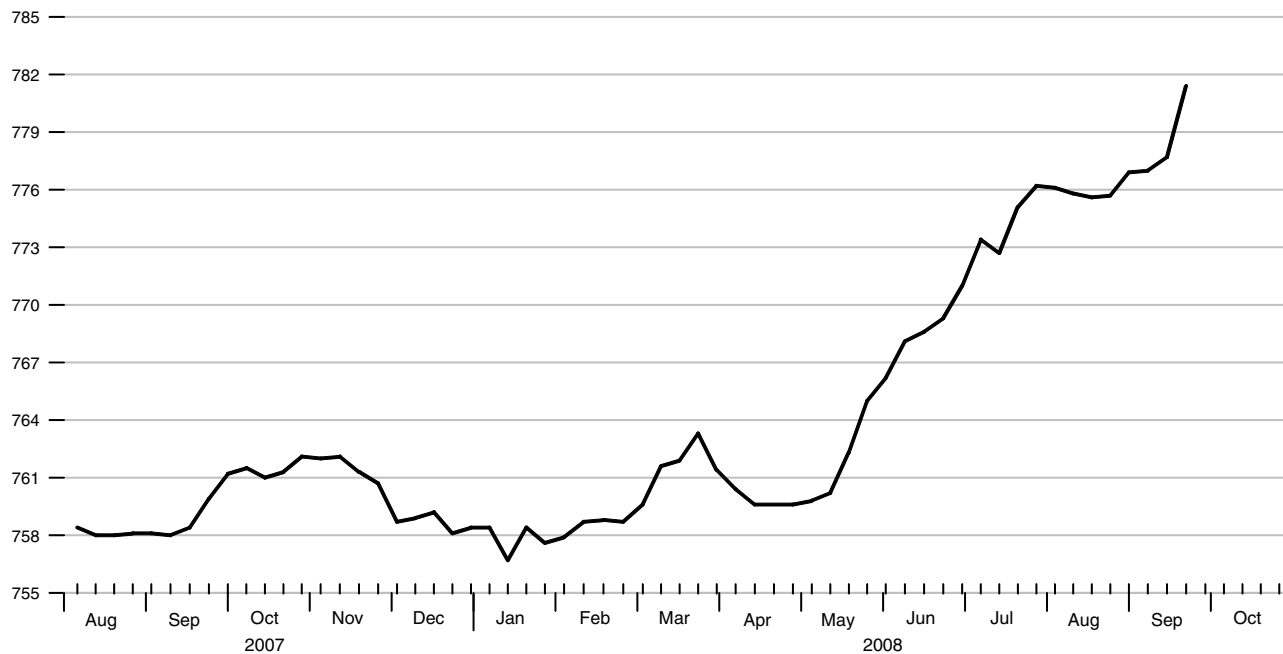
Yen/US\$



### Currency Component of M1

Averages of Daily Figures, Seasonally Adjusted

Billions of dollars

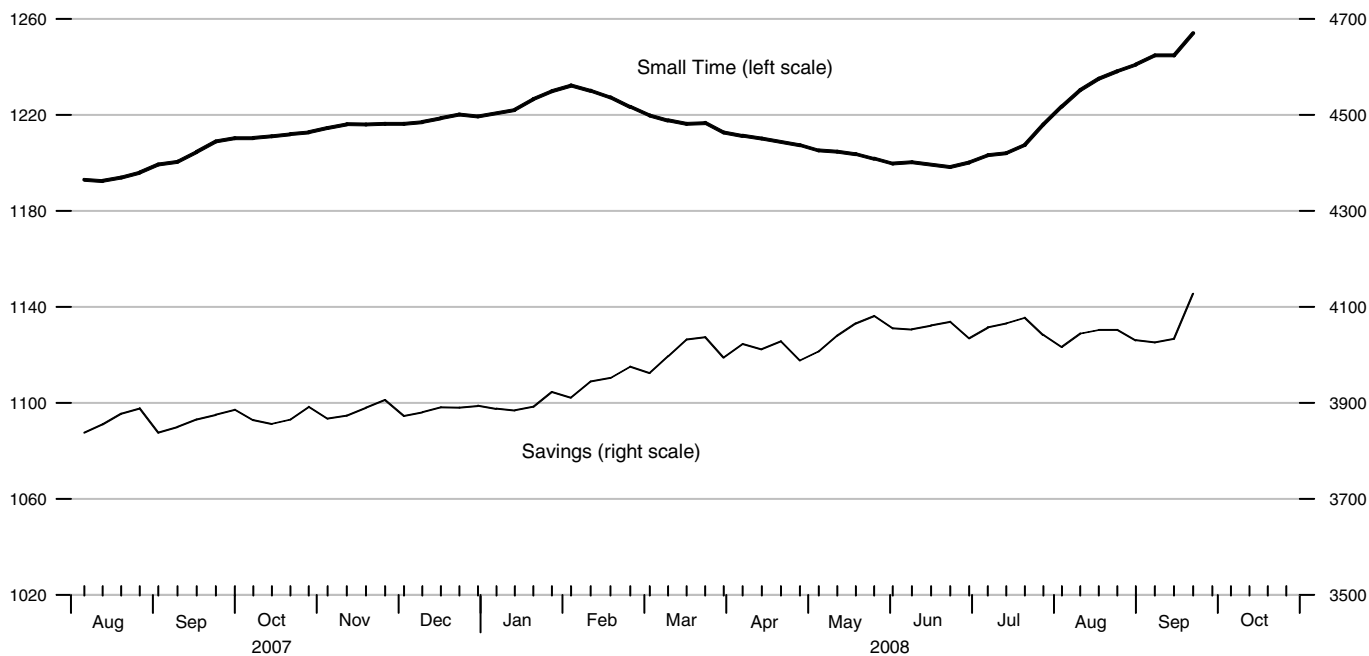


### Savings and Small Time Deposits

Averages of Daily Figures, Seasonally Adjusted

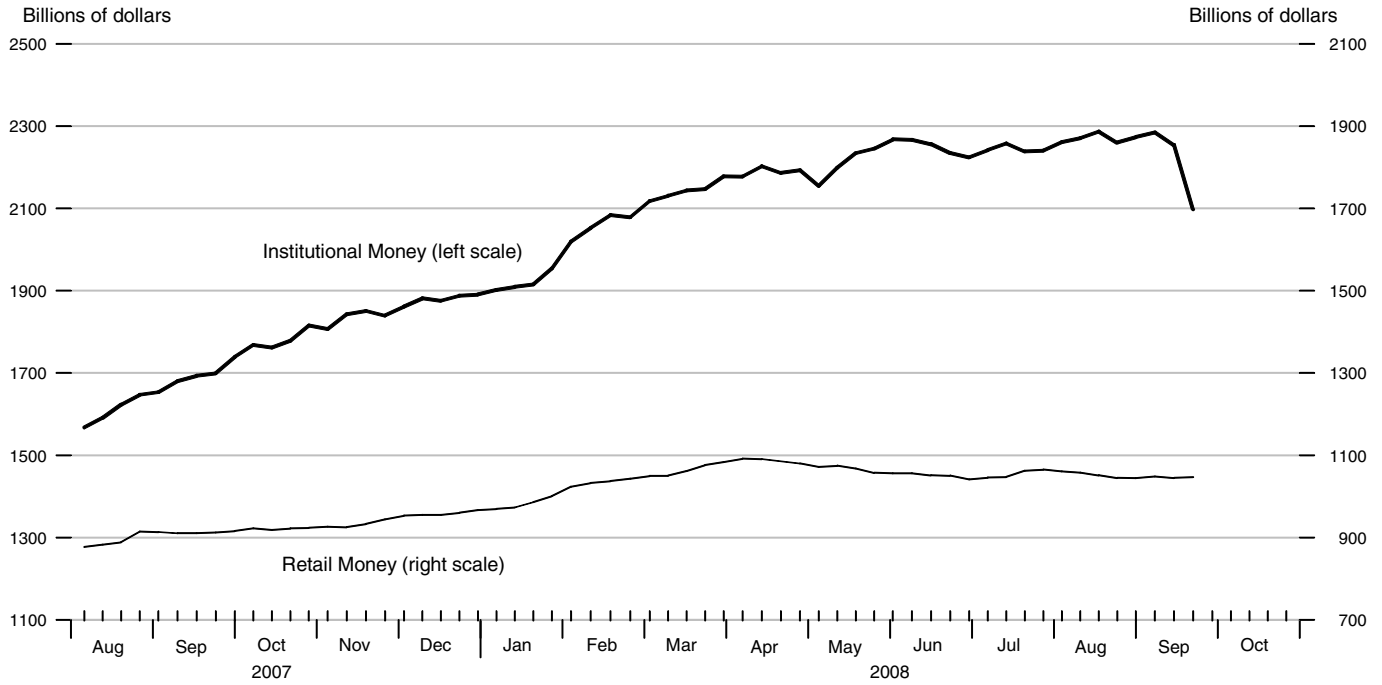
Billions of dollars

Billions of dollars



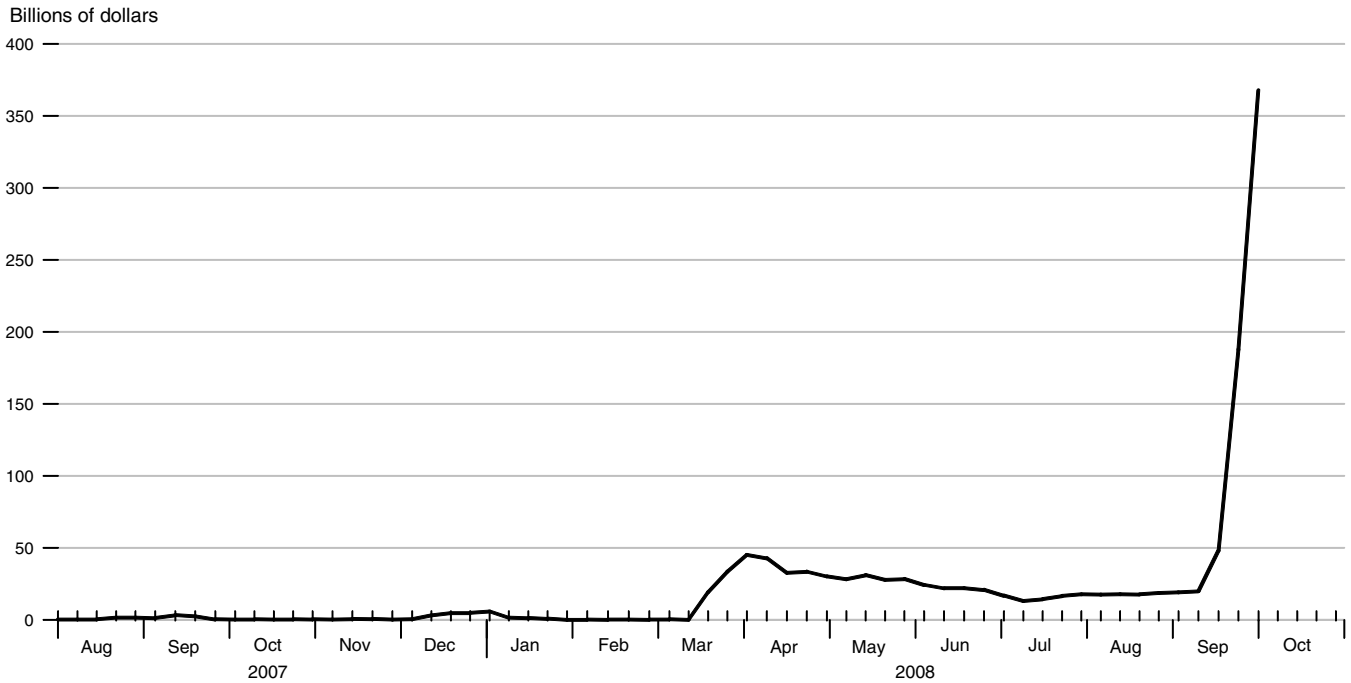
### Institutional and Retail Money Funds

Averages of Daily Figures, Seasonally Adjusted



### Total Borrowings from Federal Reserve Banks

Averages of Daily Figures

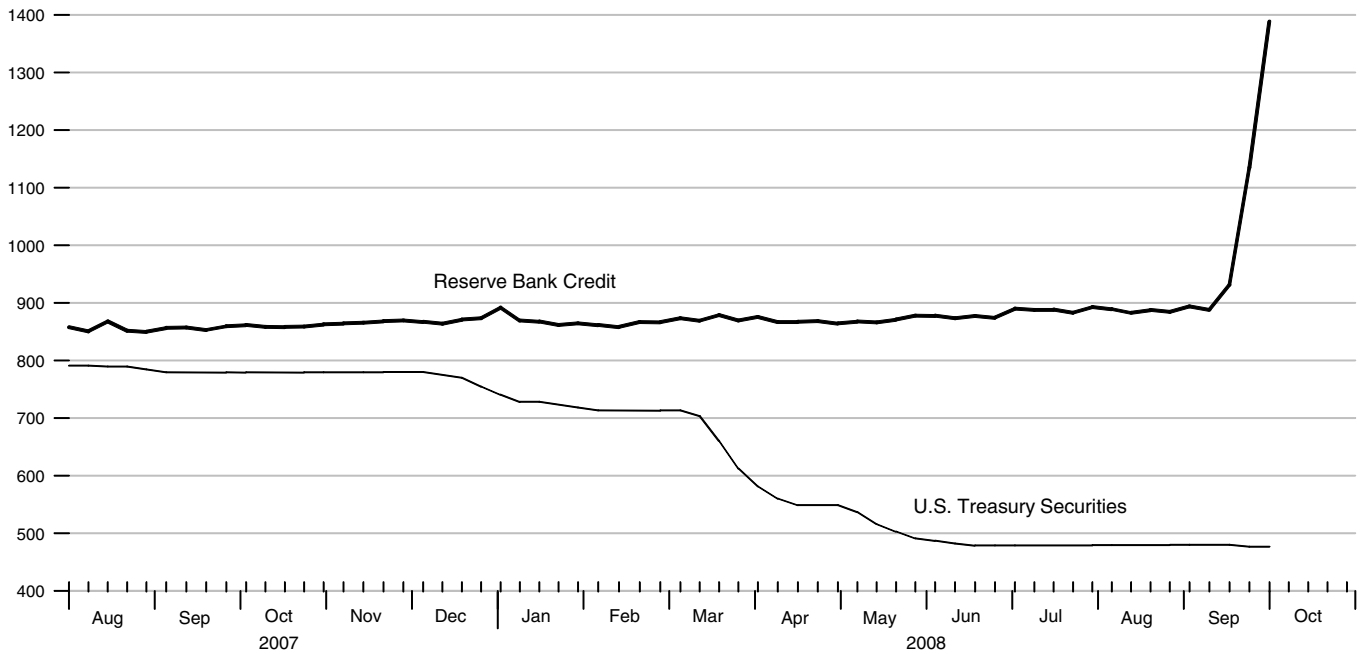


Note: Total borrowings include loans to depository institutions for primary, secondary, and seasonal credit, primary dealer and other broker-dealer credit, asset-backed commercial paper money market mutual fund liquidity facility, and other credit extensions, but exclude term auction credit.

### Reserve Bank Credit and Federal Reserve Holdings of U.S. Treasury Securities

Averages of Daily Figures

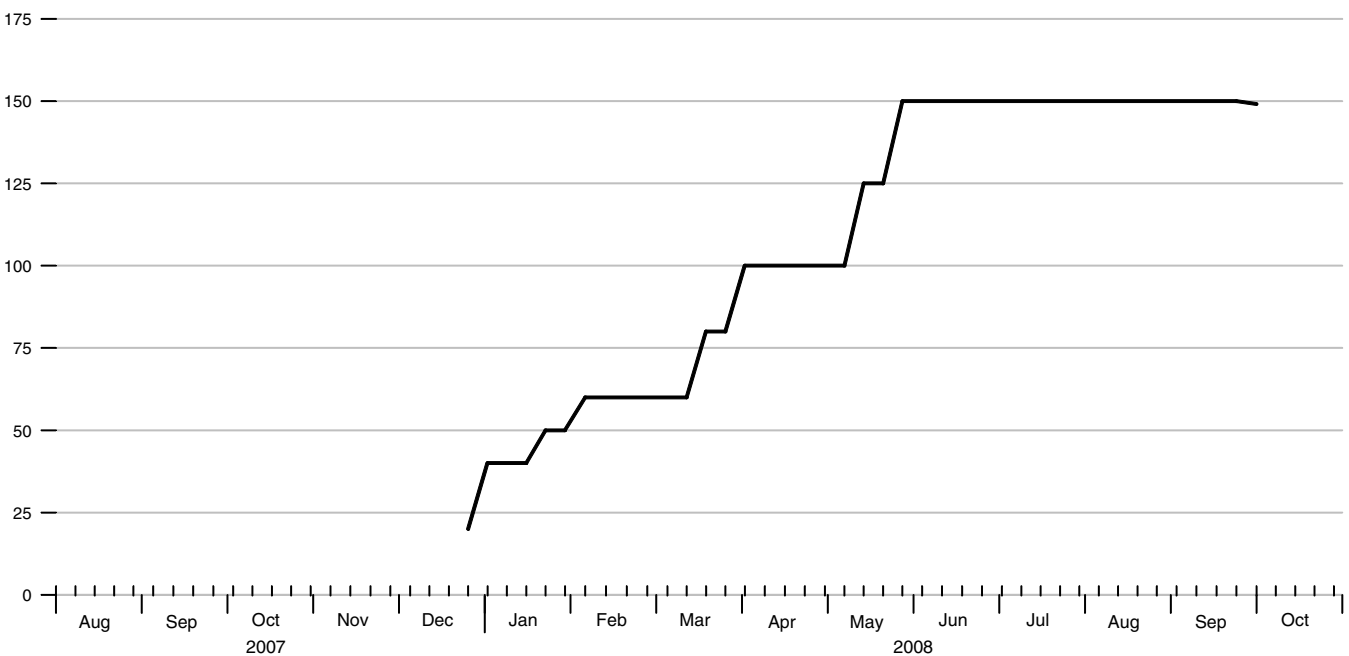
Billions of dollars



### Term Auction Credit

Averages of Daily Figures

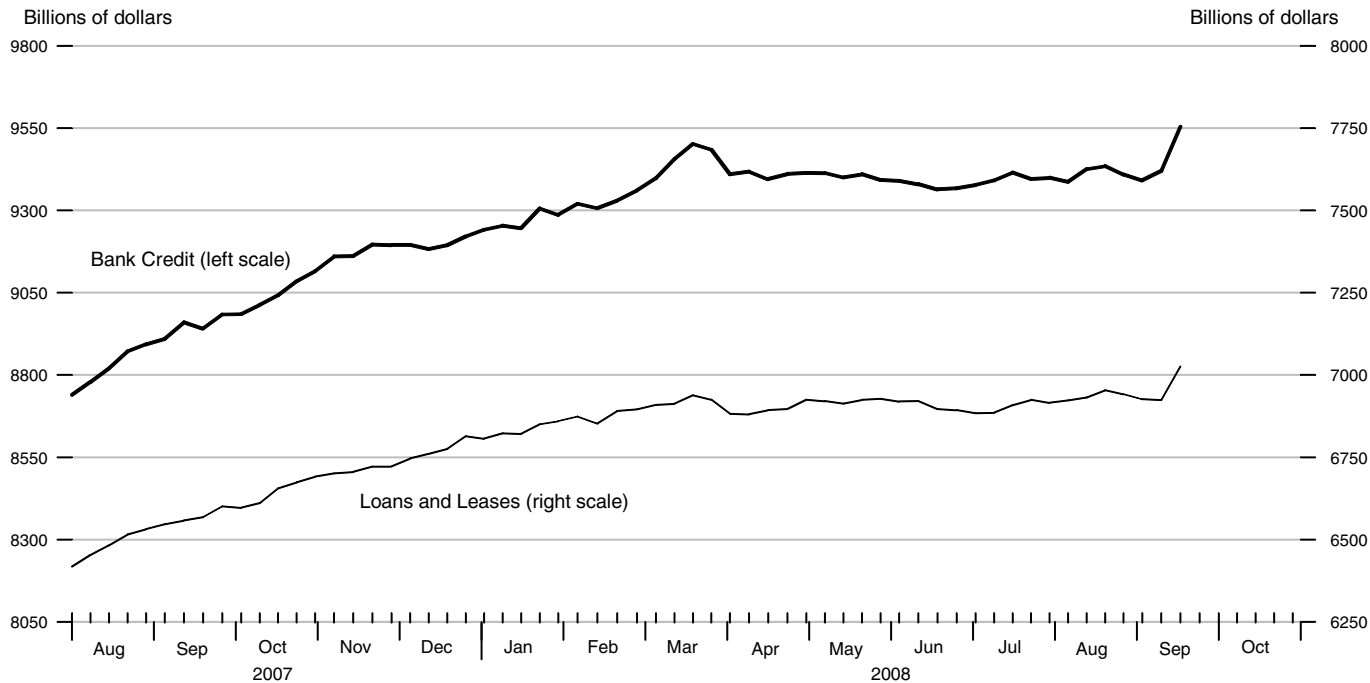
Billions of dollars





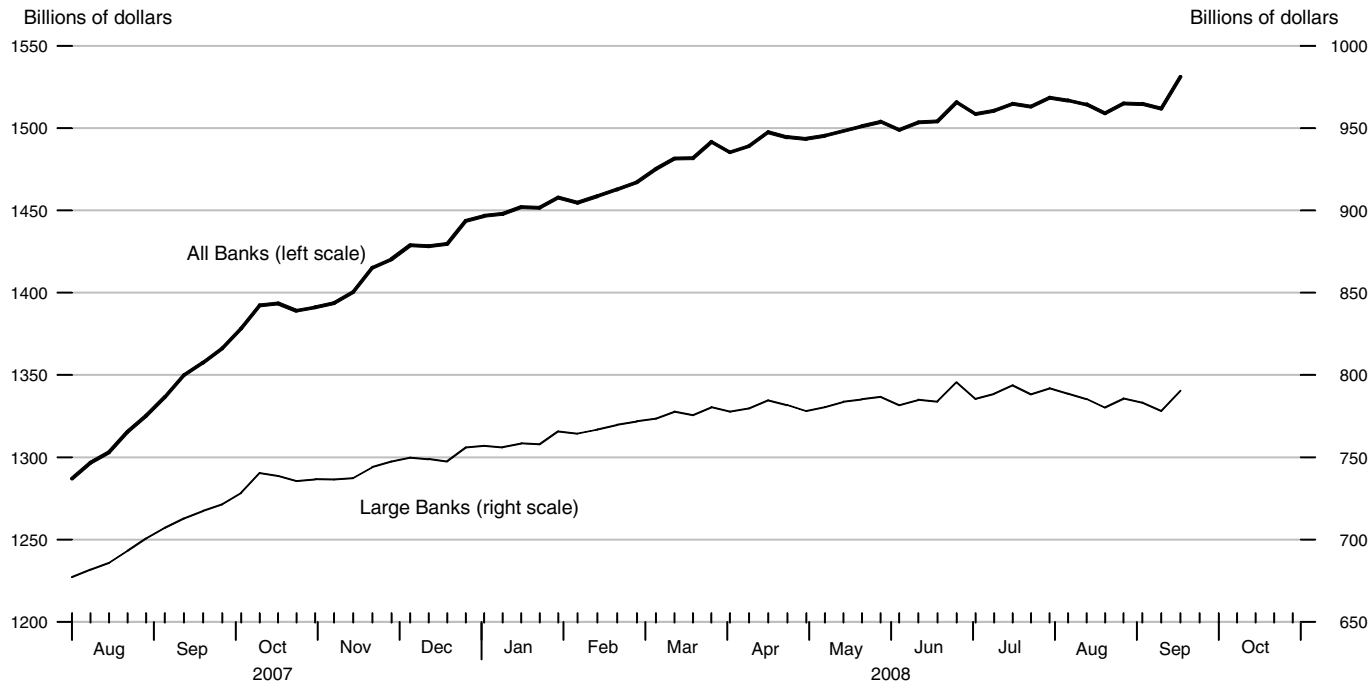
### Bank Loans and Credit

All Commercial Banks in the United States, Seasonally Adjusted



### Commercial and Industrial Loans

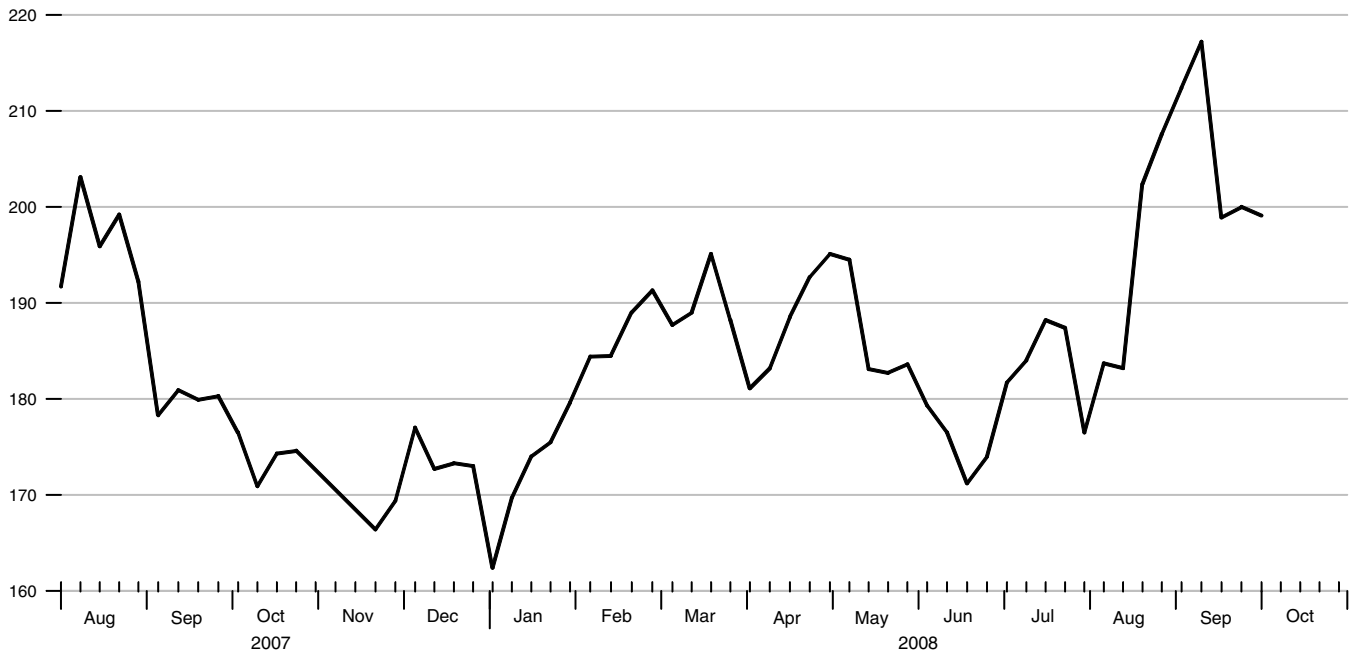
Seasonally Adjusted



**Commercial Paper of Nonfinancial Companies**

Seasonally Adjusted

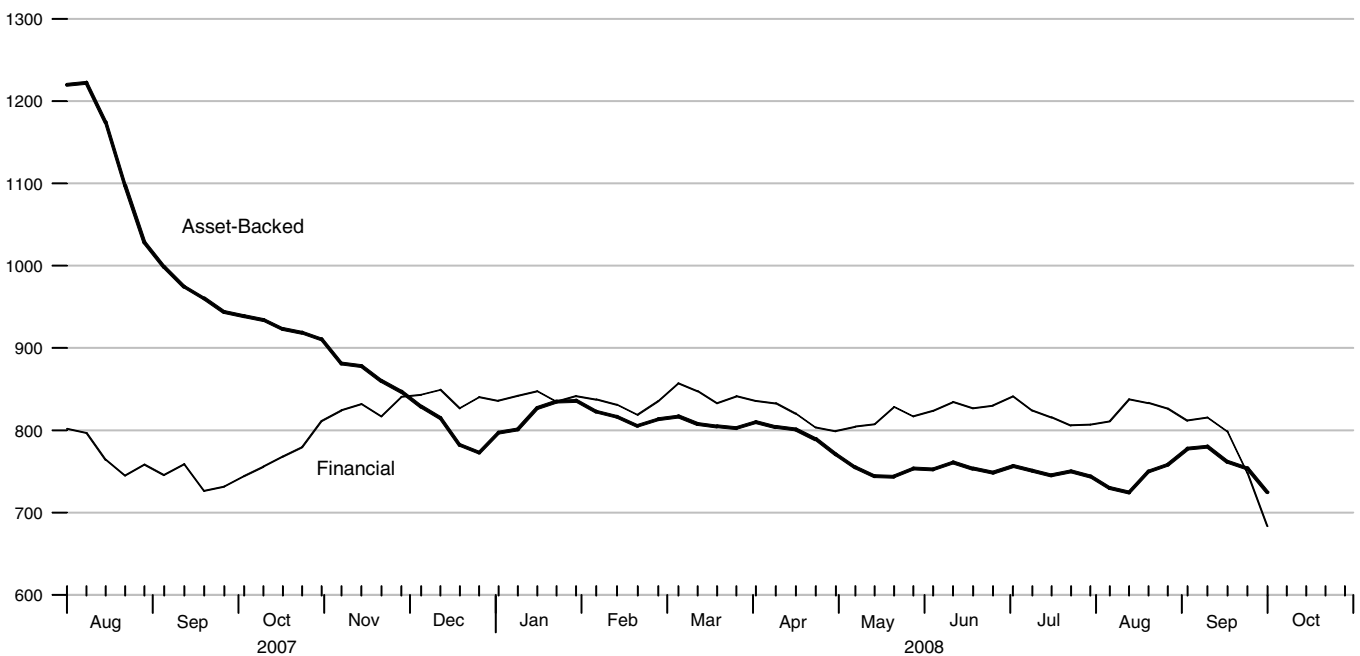
Billions of dollars



**Commercial Paper: Financial and Asset-Backed**

Seasonally Adjusted

Billions of dollars



### Interest Rates

Percent

		30-Day Comm. Paper	90-Day CDs	2-Year Interest Rate Swap	Corporate Aaa Bonds	Corporate Baa Bonds	Municipal Bonds	Federal Funds	3-Month Treasury Bill	2-Year Treasury Securities	5-Year Treasury Securities	10-Year Treasury Securities	30-Year Treasury Securities
Jul	11	2.13	2.78	3.42	5.53	7.03	4.56	1.95	1.74	2.48	3.18	3.90	4.47
	18	2.07	2.80	3.41	5.67	7.18	4.65	2.01	1.41	2.51	3.26	3.98	4.57
	25	2.03	2.79	3.66	5.78	7.27	4.77	1.99	1.57	2.70	3.44	4.11	4.66
Aug	1	2.05	2.79	3.49	5.73	7.21	4.74	2.08	1.67	2.58	3.31	4.04	4.61
	8	2.03	2.79	3.46	5.74	7.22	4.75	2.02	1.67	2.51	3.24	3.99	4.60
	15	2.03	2.78	3.40	5.68	7.17	4.67	1.99	1.83	2.47	3.18	3.91	4.54
	22	2.05	2.80	3.35	5.58	7.11	4.64	2.02	1.72	2.33	3.07	3.83	4.45
	29	2.04	2.80	3.35	5.54	7.09	4.68	1.99	1.69	2.34	3.06	3.79	4.40
Sep	5	2.03	2.79	3.22	5.49	7.04	4.62	1.96	1.67	2.24	2.93	3.69	4.31
	12	2.03	2.79	3.16	5.46	7.05	4.54	1.99	1.60	2.23	2.92	3.66	4.24
	19	2.29	4.06	2.97	5.63	7.28	5.03	2.25	0.62	1.85	2.69	3.54	4.16
	26	1.99	4.14	3.47	5.91	7.66	5.23	1.54	0.84	2.11	3.02	3.84	4.40
Oct	3*	2.09	4.69	3.31	5.93	7.78	.	1.32	0.90	1.84	2.85	3.74	4.22

\*Averages of rates available

### Money Stock and Components

Billions of dollars, seasonally adjusted

		M2	MZM	Currency	Small Time	Savings	Retail Money	Institutional Money
Aug	11	7728.4	8769.2	775.8	1230.4	4044.3	1058.0	2271.2
	18	7718.0	8769.8	775.6	1235.1	4051.7	1051.6	2286.9
	25	7720.0	8742.2	775.7	1238.2	4051.8	1044.9	2260.4
Sep	1	7715.4	8748.0	776.9	1241.0	4030.3	1044.2	2273.6
	8	7714.5	8754.7	777.0	1244.8	4025.8	1048.1	2285.0
	15	7734.5	8744.3	777.7	1244.8	4033.6	1044.8	2254.6
	22	7900.0	8744.1	781.4	1254.1	4127.1	1046.6	2098.2

### Reserves and Base

Billions of dollars, seasonally adjusted

		Adjusted Monetary Base	Adjusted Reserves
Jul	2	863.388	95.062
	16	872.343	94.740
	30	875.017	95.186
Aug	13	874.258	94.870
	27	876.037	96.097
Sep	10	873.876	98.262
	24	949.921	166.317

### Bank Loans and Credit

Billions of dollars, seasonally adjusted

		Bank Credit	Loans and Leases	C&I Loans (All)	C&I Loans (Large)	Comm. Paper (sa)	Total Borrowings
Aug	20	9435.0	6953.6	1509.1	780.3	202.4	17.609
	27	9409.5	6941.6	1515.1	785.7	207.6	18.570
Sep	3	9391.8	6926.4	1514.8	783.2	212.4	19.070
	10	9420.4	6924.0	1512.0	778.2	217.2	19.891
	17	9554.4	7025.8	1531.2	790.4	198.9	47.969
	24	.	.	.	.	200.0	187.753
Oct	1	.	.	.	.	199.1	367.796

### Exchange Rates

		Major Exchange Rate Index	Broad Exchange Rate Index	Exchange Rate: Euro/\$	Exchange Rate: Yen/\$
Aug	22	74.6	98.4	0.677	109.6
	29	74.8	98.7	0.680	109.4
Sep	5	75.7	100.0	0.694	107.9
	12	76.6	100.8	0.710	107.4
	19	75.7	100.7	0.701	105.5
	26	74.1	99.4	0.682	106.1
Oct	3*	75.7	101.1	0.706	105.7

\*Averages of rates available

## Definitions

**M1:** The sum of currency held outside the vaults of depository institutions, Federal Reserve Banks, and the U.S. Treasury; travelers checks; and demand and other checkable deposits issued by financial institutions (except demand deposits due to the Treasury and depository institutions), minus cash items in process of collection and Federal Reserve float.

**M2:** M1 plus savings deposits (including money market deposit accounts) and small-denomination (less than \$100,000) time deposits issued by financial institutions; and shares in retail money market mutual funds (funds with initial investments of less than \$50,000), net of retirement accounts.

**M3:** M2 plus large-denomination (\$100,000 or more) time deposits; repurchase agreements issued by depository institutions; Eurodollar deposits, specifically, dollar-denominated deposits due to nonbank U.S. addresses held at foreign offices of U.S. banks worldwide and all banking offices in Canada and the United Kingdom; and institutional money market mutual funds (funds with initial investments of \$50,000 or more).

## Notes

*Cover Page:* Economic forecasts are median responses from the Thomson Reuters Weekly Economic Survey, which is sent out to 20 to 25 Wall Street economists each week (usually on Tuesday). These forecasts are released on Friday—at which time, Thursday's *USFD* cover page will be updated.

*Page 3:* **Adjusted Monetary Base** equals the sum of currency in circulation outside Federal Reserve Banks and the U.S. Treasury, deposits of depository financial institutions at Federal Reserve Banks, and an adjustment for the effects of changes in statutory reserve requirements on the quantity of base money held by depositories. This series is a spliced chain index; see Anderson and Rasche (1996a, 1996b, 2001, 2003).

*Page 4:* **Adjusted Reserves** is defined as the sum of vault cash and Federal Reserve Bank deposits held by depository institutions and an adjustment for the effects of changes in statutory reserve requirements on the quantity of base money held by depositories. This series, a spliced chain index, is numerically larger than the Board of Governors' measure, which excludes vault cash not used to satisfy statutory reserve requirements and Federal Reserve Bank deposits used to satisfy required clearing balance contracts; see Anderson and Rasche (1996a, 2001, 2003).

*Page 5:* **MZM** includes the zero maturity, or immediately available, components of M3. MZM equals M2 minus small-denomination time deposits, plus institutional money market mutual funds (that is, the money market mutual funds included in M3 but excluded from M2). The label MZM, or "Money, Zero Maturity," was coined by William Poole (1991) for this aggregate, proposed earlier by Motley (1988). Readers are cautioned that since early 1994 the level and growth of M1 have been depressed by retail sweep programs that reclassify transactions deposits (demand deposits and other checkable deposits) as savings deposits overnight, thereby reducing banks' required reserves; see Anderson and Rasche (2001) and [research.stlouisfed.org/aggreg/swdata.html](http://research.stlouisfed.org/aggreg/swdata.html).

*Page 7:* Current data appear in the Federal Reserve Board's H.15 release, except for the **Intended Federal Funds Rate**. Federal Funds Rate represents seven-day averages for the week ending two days earlier than the date shown in the release.

*Page 8:* **10-Year Inflation-Indexed Treasury Yield** is the most recently issued inflation-indexed bond of 10-year original maturity.

**10-Year Inflation-Indexed Treasury Yield Spread** equals the difference between the yield on the most recently issued 10-year inflation-indexed bond and the unadjusted **10-Year Treasury Note Yield** of similar maturity.

*Page 9:* **Rates on Federal Funds Futures Contracts** trace through time the yield on three specific contracts. **Rates on Federal Funds Futures on Selected Dates** displays a single day's snapshot of yields for contracts expiring in the months shown on the horizontal axis.

*Page 11:* **Crude Oil** (West Texas intermediate) spot and futures prices are listed in the Wall Street Journal. **Spot Prices** are weekly averages of daily prices; **Futures Prices** are usually taken on Wednesday.

*Page 12:* **Natural Gas** (Henry Hub) spot and futures prices are listed in the Wall Street Journal. **Spot Prices** are weekly averages of daily prices; **Futures Prices** are usually taken on Wednesday.

*Page 13:* Data appear in the Federal Reserve Board's H.10 release. The **Major Index** comprises 7 currencies. The **Broad Index** comprises the **Major Index** plus 19 additional currencies. Further details may be found at [www.federalreserve.gov/releases/h10/summary/](http://www.federalreserve.gov/releases/h10/summary/).

*Page 14:* Data appear in the Federal Reserve Board's H.6 release. **Savings Deposits** is the sum of money market deposit accounts and passbook and statement savings. **Small Time Deposits** have a minimum initial maturity of 7 days. Savings deposits and small time deposits are at all depository institutions.

*Page 15:* Data appear in the Federal Reserve Board's H.6 and H.4.1 releases. **Retail Money Funds** are included in M2. **Institutional Money Funds** are not part of M2; they used to be included in M3, which was discontinued as of March 23, 2006. See [www.federalreserve.gov/releases/h6/discm3.htm](http://www.federalreserve.gov/releases/h6/discm3.htm).

As of December 27, 2007, Loans to Depository Institutions on the Fed's Balance Sheet were reclassified as Other Loans. **Other Loans** included primary, secondary, and seasonal credit. As of March 20, 2008, Other Loans were expanded to include funds advanced through the **Primary Credit Dealer Facility** and **Other Extensions**. According to the Federal Reserve: "The latter category includes credit extensions such as the arrangements involving JP Morgan Chase & Co. and The Bear Stearns Companies Inc. that were approved by the Board of Governors on March 14, 2008, and March 16, 2008." See <http://www.federalreserve.gov/releases/h41/Current/>.

*Page 16:* **Federal Reserve Holdings of U.S. Treasury Securities** include nominal and inflation-indexed securities and the compensation that adjusts for the effect of inflation on the original face value of inflation-indexed securities (inflation compensation). **Term Auction Credit** are collateralized, term funds (28-day) that are auctioned to depository institutions under the temporary Term Auction Facility. Term Auction Credit became a Federal Reserve balance sheet item as of December 27, 2007. For more information on the Term Auction Facility, see <http://www.federalreserve.gov/monetarypolicy/taf.htm>.

*Page 17:* Data appear in the Federal Reserve Board's H.8 release. **Bank Loans and Credit** include foreign-related institutions. **Bank Credit** includes loans and leases and securities. **All Banks** includes foreign-related institutions. **Large Banks** are domestically chartered banks (adjusted for mergers) and report on a weekly basis.

*Page 18:* Current data appear at [www.federalreserve.gov/releases/cp/outstandings.htm](http://www.federalreserve.gov/releases/cp/outstandings.htm).

*Page 19:* **Treasury Security** yields are Treasury constant maturities as reported in the Board of Governors of the Federal Reserve System's H.15 release. The **3-Month Treasury Bill** yield is the secondary market yield from the H.15 release. **Federal Funds** represents seven-day averages for the week ending two days earlier than the date shown in the table. **Municipal Bonds** represents Bond Buyer's Average Index of 20 municipal bonds, Thursday data.

## Sources

### *Board of Governors of the Federal Reserve System*

Monetary aggregates and components: H.6 release. Bank credit: H.8 release. Total Borrowings and Selected Reserve Balance Sheet Items: H.4.1 release. Interest rates: H.15 release. Exchange rates: H.10 release. Commercial paper: Board of Governors web site.

### *Chicago Board of Trade*

Federal funds futures contract.

### *Dow Jones Indexes*

Dow Jones Industrial Average.

### *Federal Reserve Bank of St. Louis*

Adjusted monetary base, adjusted reserves, and MZM.

### *NASDAQ Stock Market, Incorporated*

NASDAQ Composite®.

### *Standard & Poor's*

Standard & Poor's 500 composite index.

### *U.S. Department of the Treasury*

U.S. inflation-indexed security yields.

### *Wall Street Journal*

Oil (West Texas intermediate) and natural gas (Henry Hub) spot and futures prices.

### *Wilshire Associates Incorporated (www.wilshire.com)*

Wilshire 5000®.

## References

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**Note:** Articles from this Bank's *Review* are available on the Internet at [research.stlouisfed.org/publications/review/](http://research.stlouisfed.org/publications/review/).