

Financial Derivatives

Statistics on transactions in financial derivatives were introduced in the June 15, 2007, release of the annual revision of the U.S. international transactions accounts. For more information, see the section “Financial derivatives” in “[Annual Revision of the U.S. International Accounts](#)” in the July 2007 SURVEY OF CURRENT BUSINESS.

Tables 1, 2, and 3 present detailed information about financial derivatives that are included in the international accounts and in the international investment position. These tables present annual statistics for 2006, revised statistics for 2007, and updated statistics for 2008.

Table 1. Transactions in Financial Derivatives

(Millions of dollars)

Line	(Credits+; debits -)	2006	2007	2008	2007				2008			
					I	II	III	IV	I	II	III	IV
1	Financial derivatives, net	29,710	6,222	-28,905	14,795	-1,007	5,942	-13,508	-7,966	-2,355	-4,075	-14,509
	By type of contract:											
2	Over-the-counter contracts	15,516	6,851	-20,147	10,206	862	5,001	-9,218	-4,221	-4,617	-6,443	-4,866
3	Single-currency interest rate contracts.....	12,092	11,030	-3,684	507	6,557	4,365	-399	-6,127	-4	421	2,026
4	Foreign exchange contracts	-231	-3,814	-10,001	2,053	-2,814	-2,229	-824	-3,559	768	-5,564	-1,646
5	Other contracts.....	3,655	-365	-6,462	7,646	-2,881	2,865	-7,995	5,465	-5,381	-1,300	-5,246
6	Exchange-traded contracts	14,194	-629	-8,758	4,589	-1,869	941	-4,290	-3,745	2,262	2,368	-9,643
7	U.S. residents' contracts on foreign exchanges	10,350	6,200	-6,038	2,497	2,529	1,726	-552	1,061	8,412	-3,637	-11,874
8	Own contracts.....	6,613	3,566	2,877	1,079	1,229	2,353	-1,095	1,709	7,227	971	-7,030
9	Customers' contracts.....	3,737	2,634	-8,915	1,418	1,300	-627	543	-648	1,185	-4,608	-4,844
10	Foreign residents' contracts on U.S. exchanges	3,844	-6,829	-2,720	2,092	-4,398	-785	-3,738	-4,806	-6,150	6,005	2,231
	By area or country:											
11	Europe	19,724	16,128	-36,079	11,731	3,841	10,123	-9,567	-8,027	-8,425	-11,180	-8,447
	Of which:											
12	European Union.....	n.a.	9,750	-32,400	7,958	2,187	8,190	-8,585	-2,906	-8,153	-9,461	-11,880
	Of which:											
13	Euro area	9,200	-2,962	-31,325	-3,380	3,462	-1,018	-2,026	-2,367	-13,613	1,148	-16,493
	Of which:											
14	Belgium	-317	-2,379	-208	-503	139	381	-2,396	23	101	188	-520
15	France.....	775	-3,685	-19,185	-728	-1,679	-1,175	-103	-156	-2,673	-3,983	-12,373
16	Germany.....	-687	84	-6,564	1,974	-424	-1,804	338	-563	-2,746	1,310	-4,565
17	Ireland	4,435	-319	-4,152	-3,114	1,103	605	1,087	-1,061	-318	-789	-1,984
18	Italy	215	730	-2,423	-269	55	641	303	-249	41	-1,004	-1,211
19	Netherlands	1,912	517	-2,203	-56	928	-444	89	-594	-3,206	124	1,473
20	United Kingdom	6,378	12,570	-1,022	11,476	-1,185	8,408	-6,129	-1,866	5,581	-10,318	5,581
21	Switzerland	4,848	6,498	-7,303	3,458	1,847	2,080	-887	-5,085	-996	-2,907	1,685
22	Canada	-3,425	-3,005	3,237	2,630	-3,865	-625	-1,145	3,139	399	-2,375	2,074
23	Caribbean financial centers	5,331	-1,409	16,140	1,995	-1,271	-3,754	1,621	2,146	4,181	10,475	-662
24	Of which: Cayman Islands.....	4,846	-1,159	10,943	1,073	-1,238	-3,732	2,738	3,149	3,109	5,462	-777
25	Latin America, excluding Caribbean financial centers	-1,464	-1,329	729	-805	485	1,346	-2,355	-330	260	-143	942
26	Asia	5,853	-2,715	-14,197	181	1,105	-1,374	-2,627	-6,377	1,356	-2,588	-6,588
27	Of which: Japan.....	-355	-2,703	-9,843	-14	-936	511	-2,264	-4,730	2,998	-2,784	-5,327
28	Africa.....	610	-264	-148	-263	-212	329	-118	-146	36	137	-175
29	Other	3,081	-1,184	1,413	-674	-1,090	-103	683	1,629	-162	1,599	-1,653
	Of which:											
30	Australia.....	-2,494	-1,602	1,432	-649	-2,012	-36	1,095	1,352	35	1,758	-1,713
31	International and regional organizations	5,396	651	-121	112	959	-2	-418	255	-247	-98	-31
	Addendum:											
32	Contracts with foreign official institutions.....	2,120	872	1,831	-443	1,315	-309	309	1,431	-1,198	768	830

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Table 2. Fair Value of Financial Derivatives by Type of Contract at Quarterend
(Millions of dollars)

Line		2007				2008			
		I	II	III	IV	I	II	III	IV
1	Financial derivatives, net (line 17 less line 33)	56,972	56,814	70,949	71,472	130,757	110,362	101,932	159,582
2	Over-the-counter contracts.....	55,451	53,959	66,099	69,982	127,893	106,546	98,446	164,766
3	Single-currency interest rate contracts.....	38,048	35,179	35,170	29,003	42,390	44,202	52,863	80,482
4	Forwards.....	453	270	163	-176	-109	340	-2,927	980
5	Swaps.....	19,650	22,463	20,522	13,377	21,413	25,343	37,974	38,489
6	Options.....	17,945	12,446	14,485	15,802	21,086	18,519	17,816	41,013
7	Foreign exchange contracts.....	29,028	29,863	37,109	50,805	68,946	54,305	30,560	15,401
8	Forwards.....	-3,176	-4,069	-5,883	1,444	3,908	-4,659	4,987	10,431
9	Swaps.....	29,298	29,336	37,789	44,240	57,886	53,927	18,370	-5,021
10	Options.....	2,906	4,596	5,203	5,121	7,152	5,037	7,203	9,991
11	Other contracts.....	-11,625	-11,083	-6,180	-9,826	16,557	8,039	15,023	68,883
12	Exchange-traded contracts.....	1,521	2,855	4,850	1,490	2,864	3,816	3,486	-5,184
13	U.S. residents' contracts on foreign exchanges.....	536	665	1,036	221	547	1,460	-458	-3,216
14	Own contracts.....	672	1,202	1,264	457	-303	-172	-1,450	-3,735
15	Customers' contracts.....	-136	-537	-228	-236	850	1,632	992	519
16	Foreign residents' contracts on U.S. exchanges.....	985	2,190	3,814	1,269	2,317	2,356	3,944	-1,968
17	Financial derivatives, gross positive fair value	1,255,575	1,546,712	1,720,605	2,559,332	4,186,275	3,638,417	3,240,318	6,624,549
18	Over-the-counter contracts.....	1,232,097	1,516,672	1,687,484	2,526,075	4,142,982	3,575,564	3,190,484	6,562,853
19	Single-currency interest rate contracts.....	798,480	1,004,345	936,941	1,463,086	2,363,064	1,825,236	1,655,033	4,551,035
20	Forwards.....	1,003	2,312	1,646	1,234	3,445	4,926	5,119	10,831
21	Swaps.....	703,564	902,124	815,722	1,288,685	2,146,969	1,619,634	1,463,033	4,216,924
22	Options.....	93,913	99,909	119,573	173,167	212,650	200,676	186,881	323,280
23	Foreign exchange contracts.....	169,301	196,449	279,826	290,943	436,499	349,048	356,026	497,234
24	Forwards.....	38,584	47,015	79,290	73,894	123,941	82,668	118,693	180,414
25	Swaps.....	101,064	114,228	153,116	160,129	230,375	205,104	179,177	229,552
26	Options.....	29,653	35,206	47,420	56,920	82,183	61,276	58,156	87,268
27	Other contracts.....	264,316	315,878	470,717	772,046	1,343,419	1,401,280	1,179,425	1,514,584
28	Exchange-traded contracts.....	23,478	30,040	33,121	33,257	43,293	62,853	49,834	61,696
29	U.S. residents' contracts on foreign exchanges.....	7,433	8,197	8,172	7,980	10,599	10,261	10,821	61,896
30	Own contracts.....	4,724	6,005	5,063	4,558	5,730	5,665	3,708	2,665
31	Customers' contracts.....	2,709	2,192	3,109	3,422	4,869	7,742	6,553	8,203
32	Foreign residents' contracts on U.S. exchanges.....	16,045	21,843	24,949	25,277	32,694	49,446	39,573	50,828
33	Financial derivatives, gross negative fair value	1,198,603	1,489,898	1,649,656	2,487,860	4,055,518	3,528,055	3,138,386	6,464,967
34	Over-the-counter contracts.....	1,176,646	1,462,713	1,621,385	2,456,093	4,015,089	3,469,018	3,092,038	6,398,087
35	Single-currency interest rate contracts.....	760,432	969,166	901,771	1,434,083	2,320,674	1,781,034	1,602,170	4,470,553
36	Forwards.....	550	2,042	1,483	1,410	3,554	4,586	8,046	9,851
37	Swaps.....	683,914	879,661	795,200	1,275,308	2,125,556	1,594,291	1,425,059	4,178,435
38	Options.....	75,968	87,463	105,088	157,365	191,564	182,157	169,065	282,267
39	Foreign exchange contracts.....	140,273	166,586	242,717	240,138	367,553	294,743	325,466	481,833
40	Forwards.....	41,760	51,084	85,173	72,450	120,033	87,327	113,706	169,983
41	Swaps.....	71,766	84,892	115,327	115,889	172,489	151,177	160,807	234,573
42	Options.....	26,747	30,610	42,217	51,799	75,031	56,239	50,953	77,277
43	Other contracts.....	275,941	326,961	476,897	781,872	1,326,862	1,393,241	1,164,402	1,445,701
44	Exchange-traded contracts.....	21,957	27,185	28,271	31,767	40,429	59,037	46,348	66,880
45	U.S. residents' contracts on foreign exchanges.....	6,897	7,532	7,136	7,759	10,052	11,947	10,719	14,084
46	Own contracts.....	4,052	4,803	3,799	4,101	6,033	5,837	5,158	6,400
47	Customers' contracts.....	2,845	2,729	3,337	3,658	4,019	6,110	5,561	7,684
48	Foreign residents' contracts on U.S. exchanges.....	15,060	19,653	21,135	24,008	30,377	47,090	35,629	52,796
	Addenda:								
	Net fair value of contracts:								
49	With own foreign offices.....	1,507	6,395	4,242	7,464	25,991	17,451	14,802	12,198
50	With foreign official institutions.....	967	249	-2,899	-1,455	1,849	-291	-2,437	-5,842
51	Between U.S. depository institutions and foreigners.....	13,336	16,106	14,972	21,309	25,219	32,908	25,793	34,859
	Gross positive fair value of contracts:								
52	With own foreign offices.....	337,374	427,383	479,632	623,349	1,044,166	955,322	975,010	1,489,344
53	With foreign official institutions.....	9,846	10,821	11,017	13,040	17,015	12,861	9,657	20,794
54	Between U.S. depository institutions and foreigners.....	408,855	501,678	526,490	811,889	1,435,062	1,029,986	1,205,971	2,837,891
	Gross negative fair value of contracts:								
55	With own foreign offices.....	335,867	420,988	475,390	615,885	1,018,175	937,871	960,208	1,477,146
56	With foreign official institutions.....	8,879	10,572	13,916	14,495	15,166	13,152	12,094	26,636
57	Between U.S. depository institutions and foreigners.....	395,519	485,572	511,518	790,580	1,409,843	997,078	1,180,178	2,803,032

Table 3. Fair Value of Financial Derivatives by Area or Country at Quarterend
(Millions of dollars)

Line		2007				2008			
		I	II	III	IV	I	II	III	IV
1	Financial derivatives, net (line 23 less line 45)	56,972	56,814	70,949	71,472	130,757	110,362	101,932	159,582
2	Europe.....	51,120	53,675	62,059	54,976	98,907	74,318	77,149	125,529
	<i>Of which:</i>								
3	European Union.....	49,588	51,890	58,356	48,758	92,528	68,180	67,720	113,473
	<i>Of which:</i>								
4	Euro area.....	25,367	24,991	21,864	22,992	46,327	43,796	28,309	56,117
	<i>Of which:</i>								
5	Belgium.....	216	-567	-385	526	2,403	2,122	1,838	6,569
6	France.....	5,303	6,030	6,440	8,587	10,949	9,759	8,864	25,969
7	Germany.....	12,008	15,764	10,599	9,646	13,424	16,057	11,081	8,587
8	Ireland.....	5,771	4,928	5,215	906	10,368	9,299	8,109	13,246
9	Italy.....	6,845	6,637	7,469	9,256	12,009	11,809	5,452	3,682
10	Netherlands.....	2,875	2,512	3,446	4,385	6,100	4,484	1,511	2,713
11	United Kingdom.....	23,112	23,365	34,068	22,960	44,499	21,121	38,730	63,995
12	Switzerland.....	2,175	2,581	5,236	7,671	6,999	6,702	8,785	9,621
13	Canada.....	3,569	4,969	5,833	7,889	12,671	16,388	4,972	1,546
14	Caribbean financial centers.....	-3,956	-10,730	-6,563	532	9,197	4,940	10,158	18,959
15	<i>Of which: Cayman Islands</i>	-5,648	-10,750	-5,346	1,933	9,594	8,992	9,257	19,517
16	Latin America, excluding Caribbean financial centers.....	1,290	2,237	2,147	2,273	2,936	3,028	2,325	2,603
17	Asia.....	2,418	2,078	3,021	2,628	4,013	6,169	6,837	13,593
18	<i>Of which: Japan</i>	120	2,265	153	-934	-2,819	-1,295	-992	-1,002
19	Africa.....	1,198	824	785	1,235	1,057	310	320	889
20	Other.....	1,333	3,761	3,667	1,939	1,976	5,209	171	-3,537
	<i>Of which:</i>								
21	Australia.....	2,738	4,515	5,482	4,117	5,018	7,018	2,074	1,361
22	International and regional organizations.....	-1,585	-880	-1,882	-2,285	-3,295	-1,972	-2,208	-5,467
23	Financial derivatives, gross positive fair value	1,255,575	1,546,712	1,720,605	2,559,332	4,186,275	3,638,417	3,240,318	6,624,549
24	Europe.....	1,069,011	1,331,710	1,469,891	2,229,373	3,701,396	3,217,646	2,885,943	6,059,233
	<i>Of which:</i>								
25	European Union.....	1,036,441	1,293,805	1,418,452	2,144,029	3,581,027	3,090,441	2,780,637	5,922,042
	<i>Of which:</i>								
26	Euro area.....	342,463	396,621	409,853	572,162	925,817	801,150	673,406	1,247,252
	<i>Of which:</i>								
27	Belgium.....	8,912	8,842	9,314	13,329	18,708	19,872	14,308	30,559
28	France.....	73,207	83,389	93,953	139,382	226,062	204,125	173,382	328,209
29	Germany.....	98,356	117,155	121,413	185,036	290,360	271,668	188,081	365,763
30	Ireland.....	112,496	133,020	126,251	163,883	275,417	193,358	222,010	424,358
31	Italy.....	11,957	12,016	12,539	15,668	20,850	20,761	12,104	15,130
32	Netherlands.....	24,160	26,664	30,090	36,044	66,908	63,412	41,475	45,155
33	United Kingdom.....	686,388	886,400	997,074	1,558,496	2,639,440	2,272,620	2,095,015	4,657,754
34	Switzerland.....	29,596	34,479	47,315	69,586	111,750	103,906	86,565	123,836
35	Canada.....	29,244	37,100	45,346	51,648	71,569	74,917	55,752	92,249
36	Caribbean financial centers.....	67,774	75,392	93,773	133,312	184,389	159,256	140,021	185,980
37	<i>Of which: Cayman Islands</i>	51,721	58,765	76,659	112,007	154,244	131,186	114,599	153,091
38	Latin America, excluding Caribbean financial centers.....	13,204	16,905	16,055	16,037	21,763	20,120	15,338	15,652
39	Asia.....	55,179	63,369	67,445	103,290	171,999	130,242	116,020	233,376
40	<i>Of which: Japan</i>	35,427	40,831	41,031	66,643	98,841	65,405	61,821	141,643
41	Africa.....	3,127	3,075	3,579	4,260	4,987	6,155	4,722	6,396
42	Other.....	18,036	19,161	24,516	21,412	30,172	30,081	22,522	31,663
	<i>Of which:</i>								
43	Australia.....	14,605	15,424	20,397	17,356	25,327	25,666	18,402	25,943
44	International and regional organizations.....	2,665	2,770	3,253	3,104	3,802	3,705	3,164	3,888
45	Financial derivatives, gross negative fair value	1,198,603	1,489,898	1,649,656	2,487,860	4,055,518	3,528,055	3,138,386	6,464,967
46	Europe.....	1,017,891	1,278,035	1,407,832	2,174,397	3,602,489	3,143,328	2,808,794	5,933,704
	<i>Of which:</i>								
47	European Union.....	986,853	1,241,915	1,360,096	2,095,271	3,488,499	3,022,261	2,712,917	5,808,569
	<i>Of which:</i>								
48	Euro area.....	317,096	371,630	387,989	549,170	879,490	757,354	645,097	1,191,135
	<i>Of which:</i>								
49	Belgium.....	8,696	9,409	9,699	12,803	16,305	17,750	12,470	23,990
50	France.....	67,904	77,359	87,513	130,795	215,113	194,366	164,518	302,240
51	Germany.....	86,348	101,391	110,814	175,390	276,936	255,611	177,000	357,176
52	Ireland.....	106,725	128,092	121,036	162,977	265,049	184,059	213,901	411,112
53	Italy.....	5,112	5,379	5,070	6,412	8,841	8,952	6,652	11,448
54	Netherlands.....	21,285	24,152	26,644	31,659	60,808	58,928	39,964	42,442
55	United Kingdom.....	663,276	863,006	963,006	1,535,536	2,594,941	2,251,499	2,056,285	4,593,759
56	Switzerland.....	27,421	31,898	42,079	61,915	104,751	97,204	77,780	114,215
57	Canada.....	25,675	32,131	39,513	43,759	58,898	58,529	50,780	90,703
58	Caribbean financial centers.....	71,730	86,122	100,336	132,780	175,192	154,316	129,863	167,021
59	<i>Of which: Cayman Islands</i>	57,369	69,515	82,005	110,074	144,650	122,194	105,342	133,574
60	Latin America, excluding Caribbean financial centers.....	11,914	14,668	13,908	13,764	18,827	17,092	13,013	13,049
61	Asia.....	52,761	61,291	64,424	100,662	167,986	124,073	109,183	219,783
62	<i>Of which: Japan</i>	35,307	38,566	40,878	67,577	101,660	66,700	62,813	142,645
63	Africa.....	1,929	2,251	2,794	3,025	3,930	5,845	4,402	5,507
64	Other.....	16,703	15,400	20,849	19,473	28,196	24,872	22,351	35,200
	<i>Of which:</i>								
65	Australia.....	11,867	10,909	14,915	13,239	20,309	18,648	16,328	24,582
66	International and regional organizations.....	4,250	3,650	5,135	5,389	7,097	5,677	5,372	9,355