

This workbook contains appendix tables and the summary Table 3 for the following paper:

Curcuro, Stephanie E., Charles P. Thomas, and Francis E. Warnock, forthcoming,  
"Current Account Sustainability and Relative Reliability," *NBER International Seminar on  
Macroeconomics 2008* .

It contains the following tables:

**Table 3: Consolidated Adjustments** (an annual summary of all adjustments)

**Appendix Table A.1: Estimating "Other Adjustments" by Asset Class** (annual data on other adjustments by asset class)

**Appendix Table B.1: Estimated Derivatives Transactions and Holdings** (underlying data behind our derivatives adjustments)

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**Appendix Table D.2: Adjustments to U.S. Equity Income Receipts and Payments** (underlying data behind our equity income adjustments)

**Table 3: Consolidated Adjustments**

This tables summarizes adjustments that are detailed in the appendix tables. Full details of the adjustments are in Appendices B, C, and D.  
 All data are in billions of dollars.B, C, and D.

**Panel A: Net Transactions Adjustments**

	Fin. Derivs.	Real Estate	Goods Exports	Bonds	Banking and Nonbank	Equity	Income	R&D	Total
1990	0	6	23	-10	4	-23	2	-4	-5
1991	0	6	25	-34	3	-42	2	-4	-44
1992	0	7	26	-34	-4	-7	2	-4	-12
1993	0	8	27	-50	-40	-56	1	-4	-113
1994	0	8	30	-1	-30	-1	2	-4	2
1995	1	8	34	-63	3	-43	3	-4	-62
1996	1	10	36	-7	-16	-52	3	-4	-21
1997	2	11	40	-93	25	-66	3	-4	-76
1998	2	13	40	-58	17	-16	3	-8	-18
1999	3	14	40	15	-10	-33	3	-6	29
2000	5	15	29	-73	-28	33	4	-5	-29
2001	8	16	27	-24	24	-1	3	-5	54
2002	10	19	26	-196	-17	64	2	-3	-90
2003	13	22	27	-128	-125	60	2	-4	-122
2004	17	27	30	-38	-2	48	4	1	90
2005	22	31	33	-130	-255	-139	6	1	-441
2006	0	29	39	70	119	-43	9	1	188
2007	0	25	44	60	26	15	4	1	185
Total	85	276	575	-794	-306	-302	57	-59	-485

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**Table 3, Panel B: Claims Holdings Adjustments**

	Financial Derivs.	Real Estate	Short Securities	R&D	Total
1989	3	32	-8	48	75
1990	5	35	-8	50	82
1991	7	41	-12	53	89
1992	11	44	-13	57	98
1993	16	48	-23	60	101
1994	24	53	-27	64	115
1995	37	58	-28	67	134
1996	55	64	-35	72	156
1997	82	73	-50	75	180
1998	123	82	-61	80	224
1999	185	94	-68	87	298
2000	278	104	-61	92	413
2001	417	117	-63	98	568
2002	542	136	-54	103	727
2003	704	155	-82	112	890
2004	915	182	-99	125	1,124
2005	1,190	212	-129	139	1,411
2006		225	-166	154	213
2007		233	-217	171	187

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**Table 3, Panel C: Liabilities Holdings Adjustments**

	Financial Derivs.	Real Estate	Short Securities	R&D	Total	Net (Claims - Liabilities)
1989	3	111	-25	37	126	<b>-51</b>
1990	5	120	-25	41	141	<b>-59</b>
1991	7	139	-28	45	162	<b>-73</b>
1992	10	151	-31	50	180	<b>-82</b>
1993	15	165	-35	55	200	<b>-99</b>
1994	23	182	-38	60	228	<b>-114</b>
1995	35	197	-50	66	249	<b>-115</b>
1996	52	220	-61	73	283	<b>-127</b>
1997	78	248	-77	79	328	<b>-148</b>
1998	117	281	-90	92	399	<b>-175</b>
1999	176	322	-102	103	499	<b>-201</b>
2000	264	357	-111	116	626	<b>-213</b>
2001	396	399	-117	125	804	<b>-235</b>
2002	515	464	-121	132	990	<b>-263</b>
2003	670	532	-149	141	1,194	<b>-304</b>
2004	871	624	-174	149	1,469	<b>-345</b>
2005	1,132	724	-198	159	1,817	<b>-406</b>
2006		769	-243	169	695	<b>-482</b>
2007		798	-278	180	699	<b>-512</b>

## Appendix Table A.1: Estimating “Other Adjustments” by Asset Class

Total revised “other adjustments” is reported by BEA at [www.bea.gov/international/xls/intinv06\\_t3.xls](http://www.bea.gov/international/xls/intinv06_t3.xls).

For equities, bonds, banking and nonbanking, and other assets, estimated “other adjustments” are from equation (4).

Other assets includes U.S. official reserve and other U.S. Government assets, U.S. Government liabilities associated with military sales contracts and other transactions arranged with or through foreign official agencies, and foreign holdings of U.S. currency. DI is measured at current-cost. Throughout financial derivatives are excluded.

### Panel A: “Other Adjustments” - U.S. Claims on Foreigners

	Total “Other Adjustments” Reported by BEA (A)	Equities (B)	Bonds (C)	Banking and Nonbanking (D)	Other Assets (E)	The Residual: Implied DI “Other Adjustments” (F)=(A)-(B)-(C)-(D)-(E)
1990	24	25	-6	-3	0	7
1991	34	21	3	-4	0	14
1992	42	32	9	2	-3	3
1993	95	60	13	37	0	-15
1994	29	32	13	44	0	-60
1995	13	34	5	-5	0	-22
1996	49	50	-11	0	0	10
1997	21	65	23	-32	1	-36
1998	-5	-5	15	-13	0	-1
1999	66	-4	-21	27	0	64
2000	17	32	8	18	0	-41
2001	77	44	17	26	0	-10
2002	183	26	62	119	0	-24
2003	-97	52	71	-159	0	-61
2004	173	8	-2	119	0	48
2005	435	161	15	257	0	3
2006	96	73	31	98	0	-105
2007	-14	3	11	17	0	-46
<b>Total</b>	<b>1,238</b>	<b>707</b>	<b>255</b>	<b>550</b>	<b>-2</b>	<b>-273</b>

### Panel B: “Other Adjustments” - U.S. Liabilities to Foreigners

1990	-34	0	-17	1	0	-18
1991	-7	-23	-31	-1	0	48
1992	-26	22	-21	-3	0	-25
1993	-16	-2	-34	-3	0	22
1994	4	29	14	13	0	-52
1995	-14	-7	-54	-2	0	47
1996	-47	-7	-1	-15	0	-24
1997	-59	-11	-58	-6	0	17
1998	-117	-25	-50	4	0	-46
1999	-115	-24	0	17	6	-114
2000	-42	69	-69	-9	0	-33
2001	-13	33	6	50	0	-102
2002	-62	92	-121	102	0	-136
2003	-298	108	-34	-283	0	-88
2004	92	57	-20	117	0	-63
2005	-28	9	-106	2	0	66
2006	232	29	97	217	0	-111
2007	94	0	106	43	0	-56
<b>Total</b>	<b>-457</b>	<b>352</b>	<b>-391</b>	<b>244</b>	<b>6</b>	<b>-667</b>

## Appendix Table B.1: Estimated Derivatives Transactions and Holdings

This table reports our estimates of cross-border derivatives transactions and holdings.

The IMF data are the sum of derivatives transactions and holdings reported by all countries in International Monetary Fund (2007).

U.K. holdings data start in 1999, and are reported in Office of National Statistics (2007).

The U.S. transaction data for 2007 and holdings for 2005-2007 are from the U.S. Balance of Payments, available at [www.bea.gov](http://www.bea.gov).

Prior to 2000, U.S. transactions and holdings are assumed to increase at a growth rate of 50 percent, and after that 30 percent.

### Panel A: Net Transactions

	IMF Reporters (ex-U.S.)	U.S.	Estimated World
	(A)	(B)	(C)=(A+B)
1990	0	0	0
1991	-1	0	-1
1992	0	0	0
1993	-5	0	-5
1994	5	0	6
1995	-7	1	-6
1996	-9	1	-8
1997	-5	2	-4
1998	-13	2	-11
1999	18	3	22
2000	-12	5	-7
2001	11	8	18
2002	-9	10	1
2003	-9	13	5
2004	-14	17	3
2005	-8	22	14
2006	23	29	51
2007	n.a.	6	n.a.
Total (1990-2006)	-36	114	78

### Panel B: Claims and Liabilities

	U.K and IMF Reporters (ex-U.S.)			U.S.			Estimated World
	Claims (A)	Liabilities (B)	Net (C)=(A-B)	Claims (D)	Liabilities (E)	Net (F)=(D-E)	Net (G)=(C+F)
1989				3	3	0	0
1990	0	0	0	5	5	0	0
1991	0	0	0	7	7	0	0
1992	0	0	0	11	10	1	1
1993	0	-1	1	16	15	1	2
1994	34	27	7	24	23	1	8
1995	59	61	-2	37	35	2	0
1996	64	69	-5	55	52	3	-2
1997	74	79	-5	82	78	4	-1
1998	112	116	-5	123	117	6	1
1999	938	908	30	185	176	9	39
2000	888	881	7	278	264	14	20
2001	1,097	1,084	13	417	396	20	34
2002	1,479	1,494	-16	542	515	26	11
2003	1,669	1,731	-61	704	670	34	-27
2004	1,980	2,066	-86	915	871	45	-41
2005	2,423	2,496	-74	1,190	1,132	58	-16
2006	2,858	2,982	-124	1,238	1,179	59	-65
2007	n.a.	n.a.	n.a.	2,285	2,201	84	n.a.

## Appendix Table B.2: Estimated Real Estate Claims and Liabilities

This table reports our estimates of cross-border real estate transactions and holdings.

The mean sales price and total U.S. sales are obtained from the National Association of Realtors.

See Appendix B for details on how these estimates were constructed.

Mean sales prices are in thousands of U.S. dollars; all other values are in billions of U.S. dollars.

	Mean U.S. Sales Price (\$K)	Total U.S. Sales (\$B)	U.S. Liabilities (\$B)		U.S. Claims (\$B)	
			Inflows	Holdings	Outflows	Holdings
1989	114.4			110.5		32.3
1990	115.3	360.8	8.4	119.8	2.5	35.0
1991	124.7	385.6	9.0	138.6	2.6	40.5
1992	126.6	427.1	10.0	150.7	2.9	44.1
1993	129.3	475.0	11.1	165.0	3.2	48.2
1994	133.5	509.3	11.9	182.3	3.5	53.3
1995	135.8	513.6	12.0	197.4	3.5	57.7
1996	141.8	579.9	13.5	219.7	4.0	64.2
1997	150.5	645.0	15.1	248.2	4.4	72.6
1998	159.1	774.3	18.1	280.5	5.3	82.0
1999	171.0	867.1	20.3	321.8	5.9	94.1
2000	178.5	901.4	21.1	356.9	6.2	104.3
2001	188.3	983.1	23.0	399.5	6.7	116.8
2002	206.1	1,141.6	26.7	463.9	7.8	135.6
2003	222.2	1,357.6	31.7	531.9	9.3	155.5
2004	244.4	1,648.4	38.5	623.5	11.3	182.3
2005	266.6	1,881.6	44.0	724.1	12.9	211.7
2006	268.2	1,730.6	40.4	768.9	11.8	224.8
2007	266.0	1,502.5	35.1	797.7	10.3	233.2
Total			389.8		113.9	

## Appendix Table C.1: Adjustments to U.S. Goods Exports

The table shows the balance of U.S. goods exports included in line 3 of Table 1 of the U.S. Balance of Payments reported by BEA for all countries excluding Canada. The total adjustment is the sum of the low-value trade adjustment, an adjustment for Mexico equal to the indicated percentage of exports to Mexico, and an adjustment of the indicated percentage of exports to all countries excluding Canada and Mexico.

All values are in billions of U.S. dollars.

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	Total, excl. Canada	Low-Value Trade (2%)	Mexico Mexico	Mexico Adjustment	Other Adjustment	Total Adjustment
1990	304	6	28	9.1%	5.1%	23
1991	328	7	33	9.1%	5.1%	25
1992	349	7	40	9.1%	5.1%	26
1993	356	7	41	9.1%	5.1%	27
1994	388	8	51	9.1%	5.1%	30
1995	448	9	46	9.1%	5.1%	34
1996	478	10	57	9.1%	5.1%	36
1997	526	11	71	9.1%	5.1%	40
1998	514	10	79	9.1%	5.1%	40
1999	517	10	87	9.1%	5.1%	40
2000	593	12	111	4.6%	2.6%	29
2001	555	11	101	4.6%	2.6%	27
2002	522	10	97	4.6%	2.6%	26
2003	543	11	97	4.6%	2.6%	27
2004	618	12	111	4.6%	2.6%	30
2005	682	14	120	4.6%	2.6%	33
2006	792	16	134	4.6%	2.6%	39
2007	899	18	136	4.6%	2.6%	44
Total	9,413	188	1,441			575

## Appendix Table D.1: Estimated Equity Claims Short Sales

This table shows U.S. equity claims holdings from Table 18 in Dept. of Treasury (2007) in the countries where short-selling is allowed and practiced as listed in Table 7 of Endo and Ree (2006). All holdings are for end of December, except for the 1994 holdings which are as the end of March of that year. Holdings for 2007 are estimated using the growth rate between 2005 and 2006. The final line shows an estimate of short sales in each of the years shown, calculated as the sum of 4% of U.K. holdings and 5% of holdings in the other countries listed.

	1994	1997	2001	2003	2004	2005	2006	2,007
Australia	16,917	31,120	37,112	56,454	57,052	71,141	101,990	146,216
Brazil	8,447	31,338	21,801	31,781	43,104	68,560	92,045	123,575
Canada	39,655	70,798	89,591	149,267	180,398	247,823	298,137	358,666
Chile	2,492	4,555	1,917	2,102	2,564	3,520	4,447	5,618
Czech Republic	300	763	444	1,249	1,843	1,727	3,045	5,369
Denmark	1,819	8,917	7,533	10,429	14,488	15,652	21,236	28,812
Finland	2,957	14,785	51,307	35,162	33,860	44,393	55,852	70,269
France	25,647	85,019	112,205	130,761	164,634	205,113	306,861	459,082
Germany	25,580	64,965	72,200	103,239	123,685	158,013	220,397	307,410
Greece	538	1,513	2,810	3,957	6,980	9,529	14,448	21,906
Hong Kong	17,527	28,102	30,154	36,210	35,395	44,465	85,833	165,688
Hungary	145	3,483	1,702	2,412	4,503	4,880	7,619	11,895
India	1,134	6,176	6,897	18,500	23,152	32,753	47,932	70,146
Italy	13,797	41,547	33,686	38,971	57,494	63,915	92,733	134,544
Japan	99,413	136,404	170,714	255,494	330,427	493,343	543,506	598,770
Korea	4,352	4,428	29,537	49,121	66,639	110,264	114,155	118,183
Mexico	34,665	34,965	26,279	28,529	37,516	57,876	84,620	123,722
Netherlands	38,054	106,984	112,751	115,792	136,467	132,769	161,493	196,431
Norway	3,929	9,494	7,906	11,972	18,153	22,023	32,096	46,776
Pakistan	226	1,180	86	85	111	364	780	1,671
Portugal	1,106	6,993	3,819	3,949	5,505	5,323	5,982	6,723
Singapore	6,832	10,185	21,376	21,932	23,968	29,109	43,911	66,240
South Africa	4,438	9,937	6,714	15,101	21,600	31,605	39,586	49,582
Sweden	11,769	38,784	24,274	27,529	38,284	40,530	59,433	87,152
Switzerland	20,962	61,897	75,587	117,910	138,187	191,812	262,620	359,567
Taiwan	468	4,939	19,607	26,970	34,554	57,088	74,228	96,514
Turkey	630	6,005	2,269	3,781	5,561	11,122	11,180	11,238
United Kingdom	99,729	217,525	350,014	420,675	455,919	537,891	673,978	844,495
(A) 4% of U.K. holdings	3,989	8,701	14,001	16,827	18,237	21,516	26,959	33,780
(B) 5% of holdings in other listed countries	19,190	41,264	48,514	64,933	80,306	107,736	139,308	183,588
Total Estimated Short Sales (sum of A and B)	23,179	49,965	62,514	81,760	98,543	129,251	166,267	217,368

## Appendix Table D.2: Adjustments to U.S. Equity Income Receipts and Payments

The table shows the adjustments to income arising from the short-sales adjustments to equity claims and liabilities holdings.

The dividend yield is computed using the “original” method discussed in CDW. The interest rate is the 2 year constant maturity treasury rate reported in the Federal Reserve H.15 “Selected Interest Rates” release.

The income adjustments are the products of the dividend or interest yield and the short-sale adjustment reported in Panels B and C of Table 3.

	Equity				Bonds	
	Receipts		Payments		Payments	
	Dividend Yield	Income Adjustment	Dividend Yield	Income Adjustment	Interest Rate	Income Adjustment
1990	1.79%	-0.15	2.96%	-0.25	8.16%	-1.44
1991	1.52%	-0.13	3.01%	-0.22	6.49%	-1.26
1992	3.04%	-0.36	3.08%	-0.28	4.77%	-1.01
1993	2.88%	-0.39	2.81%	-0.28	4.05%	-0.96
1994	2.27%	-0.53	3.06%	-0.34	5.94%	-1.52
1995	2.79%	-0.75	3.24%	-0.39	6.15%	-2.03
1996	2.81%	-0.78	2.61%	-0.43	5.84%	-2.41
1997	2.80%	-0.99	2.19%	-0.44	5.99%	-2.92
1998	2.23%	-1.12	1.77%	-0.51	5.13%	-2.72
1999	2.00%	-1.22	1.48%	-0.55	5.43%	-2.91
2000	1.72%	-1.17	1.25%	-0.60	6.26%	-3.84
2001	1.33%	-0.82	1.29%	-0.64	3.83%	-2.69
2002	2.33%	-1.46	1.51%	-0.71	2.64%	-2.13
2003	2.99%	-1.61	1.93%	-0.77	1.65%	-1.54
2004	2.54%	-2.08	2.10%	-1.16	2.38%	-2.63
2005	2.42%	-2.38	1.90%	-1.21	3.85%	-4.95
2006	2.36%	-3.05	2.04%	-1.41	4.82%	-7.65
2007	2.61%	-4.34	2.06%	-1.72	4.36%	-8.07
Total		-18.96		-11.67		-52.67