

Parallel-Shift Sensitivity Analysis for HLB-Option and Knockout Advances

The Federal Home Loan Bank of Boston (Bank) is providing estimated valuations of the specific HLB-Option and Knockout advances set forth below for members' information and convenience only. The estimated valuations are generated by models obtained from external sources which are used for the Bank's own asset/liability management purposes. The models include the use of specific assumptions, for example, market volatility and discount curve adjusted for the Bank's spread, to estimate the value of the advance. The valuations represent theoretical market values only and should not be construed as a liquidation price for the HLB-Option or Knockout advance.

It is expressly understood that in providing this valuation information to members, the Bank is not performing any advisory service. The valuations are being provided without representation or warranty and the member shall be solely responsible for any decision it makes or actions it takes based on the valuations provided. It is recommended that institutions maintain independent capabilities to value their asset/liability positions, including HLB-Option and Knockout advances.

The table depicts valuation estimates resulting from immediate parallel interest-rate movements of plus/minus 400 basis points in 100 basis point increments. In order to rule out negative interest rates, our model applies an effective floor of plus ten basis points to the yield curve for all down-rate scenarios. As a result, large down-rate shocks will reflect valuation at the floor rate of ten basis points in place of any negative interest rates that would otherwise be produced by the indicated basis point shocks. Please note that the valuation estimates are from the Federal Home Loan Bank of Boston's perspective. Since the advance is held by the member as a liability, positive price changes in the table correspond to the advance having a negative impact on the member's estimated market value of portfolio equity (and vice versa). The theoretical argument follows that as interest rates rise, the value of the advance to the Bank falls. In the case of an HLB-Option advance, the Bank would be likely to exercise its option to cancel the advance as the value falls below 100. In the case of a Knockout advance, the Bank would automatically terminate the advance on any specified cancellation date if LIBOR is equal to or greater than a predetermined "strike rate" four London Business days prior to the scheduled cancellation date. In either case, the member's cost to prepay the advance increases as interest rates fall.

To identify your advance, locate the appropriate maturity date and then verify the coupon rate. The report is sorted in ascending order by start date, followed by coupon. Once the appropriate structure is determined, read across to view the sensitivity analysis that has been performed on the advance.

If you have any questions or would like further explanation of this analysis, contact the Money Desk at 1-800-357-3452.

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
2/27/1997	2/27/2012	2/27/2008	6.580	122.954	118.443	114.141	110.099	106.442	103.347	101.079	99.906
2/11/1998	2/11/2008	2/11/2008	5.590	100.859	100.662	100.466	100.271	100.077	99.884	99.691	99.500
3/13/1998	3/13/2008	12/13/2007	5.530	101.193	100.905	100.619	100.335	100.079	99.970	99.934	99.898
3/18/1998	3/18/2008	12/18/2007	5.680	101.296	100.994	100.694	100.396	100.107	99.966	99.916	99.867
3/24/1998	3/24/2008	12/24/2007	5.680	101.368	101.049	100.732	100.417	100.113	99.955	99.889	99.822
3/26/1998	3/26/2008	12/26/2007	5.490	101.330	101.006	100.684	100.363	100.077	99.938	99.866	99.794
4/8/1998	4/8/2013	1/8/2008	5.490	122.093	116.523	111.398	106.924	103.314	100.864	99.887	99.695
5/6/1998	5/6/2008	2/6/2008	5.790	101.919	101.482	101.049	100.621	100.216	99.941	99.753	99.575
5/8/1998	5/8/2008	2/8/2008	5.520	101.824	101.381	100.943	100.510	100.126	99.878	99.692	99.509
6/1/1998	6/4/2008	3/3/2008	5.520	102.154	101.640	101.132	100.630	100.166	99.991	99.979	99.968
6/16/1998	6/16/2008	12/17/2007	5.470	102.264	101.716	101.175	100.640	100.156	99.960	99.916	99.872
6/16/1998	6/16/2008	12/17/2007	5.700	102.390	101.842	101.301	100.765	100.250	99.974	99.926	99.882
6/24/1998	6/24/2008	12/24/2007	5.450	102.343	101.773	101.210	100.653	100.153	99.940	99.873	99.807
7/31/1998	7/30/2008	1/30/2008	5.390	102.726	102.054	101.391	100.737	100.155	99.844	99.672	99.506
7/31/1998	7/30/2008	1/30/2008	5.610	102.874	102.201	101.538	100.882	100.265	99.889	99.709	99.543
8/19/1998	8/19/2013	2/19/2008	5.490	123.180	117.249	111.847	107.181	103.445	100.898	99.845	99.608
8/19/1998	8/19/2013	2/19/2008	5.490	123.180	117.249	111.847	107.181	103.445	100.898	99.845	99.608
8/25/1998	8/19/2013	1/25/2008	5.490	123.179	117.247	111.844	107.174	103.431	100.889	99.845	99.608
8/27/1998	8/19/2013	1/28/2008	5.490	123.179	117.247	111.844	107.174	103.431	100.889	99.845	99.608
9/30/1998	9/30/2013	12/31/2007	5.220	121.997	116.009	110.616	106.048	102.510	100.427	99.817	99.732
10/30/1998	10/30/2008	10/30/2003	4.990	103.473	102.549	101.642	100.750	99.875	99.014	98.169	97.338
11/25/1998	11/25/2008	11/25/2003	5.200	103.988	102.994	102.020	101.064	100.127	99.207	98.305	97.419
12/14/1998	12/16/2013	12/14/2007	4.890	120.541	114.461	109.109	104.735	101.553	100.107	99.891	99.846
12/14/1998	12/16/2013	12/15/2008	5.390	123.493	117.274	111.683	106.925	103.180	100.520	98.779	97.572
12/15/1998	12/16/2013	12/17/2007	4.880	120.482	114.405	109.059	104.693	101.524	100.098	99.890	99.846
1/15/1999	1/15/2009	1/15/2004	5.160	104.592	103.457	102.343	101.249	100.176	99.123	98.089	97.074
1/19/1999	1/20/2009	1/21/2003	4.980	104.437	103.289	102.162	101.057	99.972	98.907	97.861	96.835
1/19/1999	1/20/2009	1/21/2003	4.980	104.437	103.289	102.162	101.057	99.972	98.907	97.861	96.835
1/29/1999	1/29/2009	1/29/2003	4.980	104.526	103.352	102.201	101.071	99.962	98.874	97.806	96.757
2/18/1999	2/18/2009	2/19/2008	5.080	104.911	103.690	102.492	101.317	100.286	99.123	98.089	97.074
2/18/1999	2/18/2009	2/19/2008	5.430	105.341	104.117	102.917	101.738	100.626	99.927	99.664	99.486
4/23/1999	4/27/2009	1/23/2008	5.190	105.865	104.449	103.060	101.699	100.464	99.840	99.656	99.498
4/23/1999	4/27/2009	1/23/2008	5.500	106.304	104.884	103.492	102.127	100.827	99.997	99.705	99.548
4/26/1999	4/27/2009	1/28/2008	5.190	105.865	104.449	103.060	101.699	100.464	99.840	99.656	99.498
4/26/1999	4/27/2009	1/28/2008	5.500	106.304	104.884	103.492	102.127	100.827	99.997	99.705	99.548
5/6/1999	5/6/2009	2/6/2008	5.310	106.188	104.746	103.331	101.944	100.666	99.927	99.664	99.486
6/7/1999	6/8/2009	12/7/2007	5.700	107.231	105.693	104.185	102.707	101.282	100.267	99.963	99.941
6/7/1999	6/8/2009	12/7/2007	6.040	107.752	106.209	104.697	103.215	101.771	100.519	99.991	99.948
7/1/1999	7/1/2009	1/2/2008	6.110	108.244	106.632	105.053	103.506	101.999	100.674	99.995	99.805
7/23/1999	7/23/2009	1/23/2008	5.400	107.353	105.687	104.056	102.459	100.950	100.010	99.711	99.564
9/8/1999	9/8/2009	12/10/2007	5.620	108.445	106.643	104.882	103.159	101.505	100.317	99.961	99.939
10/8/1999	10/8/2009	1/8/2008	5.580	108.805	106.915	105.068	103.264	101.536	100.277	99.824	99.705
11/1/1999	11/2/2009	2/1/2008	5.540	109.106	107.148	105.235	103.368	101.584	100.274	99.751	99.559
11/8/1999	11/9/2009	2/8/2008	5.960	110.005	108.017	106.077	104.182	102.347	100.760	99.904	99.591
11/9/1999	11/9/2009	2/11/2008	5.570	109.244	107.264	105.331	103.444	101.639	100.288	99.726	99.511
12/10/1999	12/10/2009	12/10/2007	5.710	109.899	107.825	105.802	103.829	101.941	100.469	99.954	99.926
12/17/1999	12/17/2009	12/17/2007	5.910	110.392	108.293	106.246	104.249	102.327	100.691	99.979	99.885
12/20/1999	12/21/2009	12/20/2007	5.810	110.234	108.126	106.070	104.065	102.140	100.542	99.910	99.852
12/22/1999	12/22/2009	12/24/2007	5.840	110.308	108.196	106.137	104.128	102.198	100.583	99.919	99.847
1/7/2000	1/7/2015	1/7/2008	5.950	129.966	122.588	116.023	110.406	105.848	102.446	100.495	99.791
1/13/2000	1/13/2010	1/14/2008	5.910	110.746	108.569	106.447	104.381	102.401	100.738	99.928	99.706
1/25/2000	1/25/2010	1/25/2008	5.970	111.022	108.809	106.652	104.551	102.535	100.811	99.917	99.635
1/27/2000	1/27/2010	1/28/2008	6.080	111.285	109.063	106.898	104.789	102.760	100.980	99.982	99.640
1/27/2000	1/27/2010	1/28/2008	6.210	111.567	109.342	107.174	105.061	103.023	101.196	100.078	99.669
2/7/2000	2/8/2010	2/7/2008	5.950	111.184	108.939	106.752	104.625	102.592	100.865	99.932	99.596
2/16/2000	2/8/2010	2/1/2008	5.950	111.184	108.939	106.752	104.625	102.592	100.865	99.932	99.596
2/16/2000	2/16/2010	2/19/2008	6.470	112.438	110.156	107.934	105.770	103.680	101.754	100.369	99.956
2/16/2000	2/16/2010	2/19/2008	6.690	112.926	110.639	108.411	106.242	104.141	102.177	100.623	99.956
3/6/2000	3/8/2010	12/6/2007	6.390	112.542	110.197	107.913	105.693	103.560	101.628	100.382	99.956
3/13/2000	3/15/2010	12/13/2007	6.090	111.949	109.590	107.295	105.065	102.936	101.087	100.125	99.906
3/14/2000	3/15/2010	2/14/2008	6.090	111.949	109.590	107.295	105.068	102.946	101.106	100.013	99.583
3/15/2000	3/15/2010	12/17/2007	5.950	111.627	109.272	106.981	104.756	102.643	100.855	100.035	99.900
3/21/2000	3/22/2010	12/21/2007	6.120	112.107	109.727	107.411	105.161	103.012	101.133	100.122	99.864
3/22/2000	3/22/2010	12/24/2007	5.960	111.737	109.361	107.049	104.805	102.673	100.863	100.014	99.854
4/5/2000	4/5/2010	1/7/2008	5.950	111.912	109.499	107.152	104.876	102.721	100.916	100.009	99.764
4/11/2000	4/12/2010	1/11/2008	5.950	111.999	109.565	107.198	104.903	102.730	100.907	99.982	99.718
4/11/2000	4/12/2010	1/11/2008	6.050	112.236	109.799	107.429	105.130	102.945	101.072	100.048	99.730
4/11/2000	4/12/2010	1/11/2008	6.470	113.231	110.783	108.401	106.088	103.866	101.846	100.424	99.817
4/11/2000	4/12/2010	1/11/2008	6.560	113.445	110.993	108.610	106.293	104.065	102.025	100.520	99.847
4/11/2000	4/12/2010	1/11/2008	6.750	113.895	111.438	109.049	106.727	104.487	102.411	100.767	99.961
4/12/2000	4/12/2010	1/14/2008	5.990	112.093	109.658	107.291	104.994	102.816	100.972	100.007	99.723
4/13/2000	4/13/2010	1/14/2008	6.560	113.459	111.004	108.618	106.298	104.068	102.025	100.518	99.842
4/24/2000	4/26/2010	1/24/2008	6.450	113.375	110.885	108.464	106.113	103.857	101.806	100.367	99.740
5/3/2000	5/3/2010	2/4/2008	6.240	112.980	110.475	108.039	105.679	103.439	101.470	100.215	99.709
5/3/2000	5/3/2010	2/4/2008	6.360	113.272	110.762	108.324	105.959	103.707	101.697	100.339	99.747
5/15/2000	5/17/2010	2/15/2008	6.990	115.012	112.442	109.944	107.519	105.182	103.002	101.175	100.069

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
5/30/2000	6/1/2010	2/29/2008	6.490	114.003	111.407	108.886	106.441	104.111	102.012	100.507	99.842
8/8/2000	8/9/2010	2/8/2008	5.990	113.627	110.842	108.142	105.544	103.129	101.126	100.008	99.600
8/18/2000	8/18/2010	2/19/2008	6.090	114.010	111.194	108.465	105.837	103.383	101.302	100.060	99.600
10/5/2000	10/5/2010	1/7/2008	5.710	113.560	110.619	107.774	105.056	102.589	100.709	99.908	99.740
10/10/2000	10/12/2010	1/10/2008	5.840	114.013	111.046	108.176	105.428	102.911	100.912	99.959	99.705
10/13/2000	10/13/2010	1/14/2008	5.750	113.767	110.801	107.932	105.189	102.690	100.761	99.897	99.687
10/23/2000	10/25/2010	1/23/2008	5.640	113.588	110.591	107.693	104.929	102.430	100.557	99.778	99.585
12/5/2000	12/6/2010	12/5/2007	5.410	113.385	110.277	107.279	104.452	101.981	100.400	99.967	99.951
12/11/2000	12/13/2010	12/11/2007	5.170	112.732	109.614	106.611	103.805	101.425	100.156	99.921	99.885
12/12/2000	12/13/2010	12/12/2007	5.110	112.550	109.435	106.436	103.641	101.295	100.109	99.919	99.883
12/15/2000	12/15/2010	12/17/2007	5.120	112.600	109.479	106.474	103.672	101.314	100.110	99.907	99.865
12/20/2000	12/20/2010	12/20/2007	4.950	112.131	109.003	105.996	103.216	100.955	99.969	99.867	99.812
12/21/2000	12/21/2010	12/21/2007	4.860	111.866	108.739	105.736	102.974	100.778	99.913	99.855	99.797
1/11/2001	1/11/2011	1/11/2008	5.370	113.646	110.435	107.345	104.448	101.945	100.330	99.790	99.657
1/12/2001	1/12/2011	1/14/2008	5.300	113.439	110.229	107.140	104.253	101.779	100.251	99.770	99.641
2/5/2001	2/7/2011	2/5/2008	4.820	112.193	108.939	105.825	102.993	100.792	99.815	99.565	99.384
2/7/2001	2/7/2011	2/7/2008	4.820	112.193	108.939	105.825	102.993	100.792	99.815	99.565	99.384
2/26/2001	2/28/2011	2/26/2008	4.790	112.276	108.956	105.782	102.902	100.676	99.969	99.867	99.812
2/26/2001	2/28/2011	2/26/2008	5.060	113.151	109.816	106.617	103.666	101.226	100.109	99.919	99.883
2/26/2001	2/28/2011	2/26/2008	5.450	114.414	111.059	107.831	104.802	102.161	100.336	99.790	99.657
2/27/2001	2/28/2011	2/27/2008	4.760	112.179	108.860	105.689	102.819	100.620	99.969	99.867	99.812
2/27/2001	2/28/2011	2/27/2008	5.020	113.021	109.688	106.493	103.551	101.139	100.109	99.919	99.883
3/1/2001	3/1/2011	3/3/2008	5.270	113.841	110.494	107.281	104.296	101.770	100.316	99.994	99.991
3/14/2001	3/14/2011	12/14/2007	4.860	112.631	109.268	106.055	103.138	100.855	99.948	99.903	99.864
4/23/2001	4/25/2011	4/24/2006	5.350	114.683	111.173	107.793	104.536	101.399	98.376	95.462	92.652
6/1/2001	6/1/2011	3/3/2008	4.990	113.804	110.211	106.788	103.690	101.221	100.105	99.993	99.991
12/13/2001	12/13/2011	12/13/2007	4.920	115.295	111.148	107.252	103.826	101.188	100.040	99.912	99.876
6/3/2002	6/4/2012	3/3/2008	4.490	114.844	110.265	106.103	102.688	100.432	99.574	99.267	99.014
6/4/2002	6/4/2012	3/4/2008	4.490	114.844	110.265	106.103	102.688	100.432	99.574	99.267	99.014
12/5/2002	12/5/2012	12/5/2007	3.790	112.630	107.736	103.643	100.809	99.978	99.964	99.950	99.937
2/25/2003	2/25/2008	2/25/2008	2.850	100.362	100.127	99.985	99.764	99.605	99.447	99.289	99.131
3/4/2003	3/4/2008	12/4/2007	2.810	100.374	100.113	99.985	99.764	99.605	99.447	99.289	99.131
3/6/2003	3/6/2013	3/6/2008	2.990	108.894	104.237	100.943	99.669	99.371	99.110	98.852	98.595
1/20/2004	1/22/2008	1/22/2008	2.660	100.190	100.043	99.985	99.764	99.605	99.447	99.289	99.131
1/27/2004	1/27/2009	1/28/2008	2.890	102.064	100.911	99.985	99.764	99.605	99.447	99.289	99.131
2/5/2004	2/20/2008	2/20/2008	5.480	100.940	100.717	100.496	100.277	100.058	99.605	99.447	99.289
2/5/2004	12/18/2008	12/19/2005	5.150	104.232	103.173	102.135	101.116	100.117	99.136	98.173	97.227
2/5/2004	4/26/2010	1/24/2008	6.200	112.773	110.290	107.877	105.536	103.308	101.351	100.144	99.682
2/5/2004	12/14/2010	12/14/2007	5.820	114.716	111.565	108.523	105.624	102.997	100.925	100.032	99.901
2/9/2004	2/9/2009	2/11/2008	3.110	102.447	101.267	100.174	99.779	99.590	99.403	99.217	99.032
2/17/2004	2/17/2009	2/19/2008	2.910	102.240	101.039	100.016	99.707	99.497	99.288	99.081	98.874
3/4/2004	3/4/2009	3/4/2008	2.970	102.427	101.178	100.063	99.636	99.379	99.123	98.870	98.618
3/12/2004	3/12/2009	12/12/2007	2.690	102.101	100.833	99.981	99.944	99.911	99.878	99.845	99.812
4/1/2004	4/1/2009	1/2/2008	2.770	102.341	101.022	100.008	99.859	99.771	99.684	99.597	99.510
4/2/2004	4/4/2011	4/2/2008	4.570	111.861	108.458	105.234	102.399	100.374	99.477	99.084	98.754
5/24/2004	5/26/2009	2/25/2008	3.580	103.818	102.338	100.894	99.902	99.599	99.366	99.134	98.903
5/28/2004	5/28/2009	2/28/2008	3.700	104.010	102.523	101.069	99.973	99.619	99.380	99.143	98.906
6/11/2004	6/11/2009	12/11/2007	3.750	104.267	102.744	101.253	100.130	99.951	99.920	99.890	99.860
6/18/2004	6/20/2011	12/18/2007	4.120	110.905	107.318	103.998	101.285	100.013	99.876	99.821	99.766
7/2/2004	7/2/2014	1/2/2008	3.990	115.915	109.858	104.983	101.535	100.016	99.785	99.695	99.606
8/5/2004	8/5/2009	2/5/2008	3.470	104.328	102.654	101.021	99.935	99.681	99.505	99.330	99.155
12/13/2004	12/15/2014	12/13/2007	3.320	112.139	106.374	102.207	100.122	99.915	99.874	99.832	99.791
12/17/2004	12/17/2009	12/17/2007	3.710	105.872	103.820	101.831	100.239	99.922	99.875	99.828	99.781
5/5/2005	5/5/2010	2/5/2008	4.190	108.018	105.568	103.207	101.088	100.046	99.785	99.695	99.606
5/17/2005	5/17/2010	2/19/2008	4.070	107.813	105.333	102.948	100.845	99.807	99.541	99.333	99.125
6/6/2005	6/7/2010	12/6/2007	3.890	107.526	104.996	102.582	100.571	99.971	99.952	99.933	99.913
7/18/2005	7/19/2010	1/18/2008	4.160	108.529	105.870	103.322	101.079	99.924	99.698	99.561	99.425
9/1/2005	9/1/2015	3/3/2008	4.130	118.630	111.651	106.136	102.208	100.103	99.458	99.199	98.955
9/19/2005	9/19/2012	12/19/2007	3.820	112.428	107.692	103.659	100.788	99.919	99.866	99.814	99.762
9/26/2005	9/26/2012	12/26/2007	3.890	112.806	108.033	103.934	100.949	99.894	99.823	99.751	99.679
9/30/2005	9/30/2015	9/30/2008	4.440	121.118	113.812	107.866	103.410	100.477	98.838	97.866	97.076
10/26/2005	10/26/2015	10/27/2008	4.540	121.988	114.561	108.482	103.876	100.764	98.952	97.849	96.982
10/28/2005	10/28/2015	1/28/2008	4.140	119.018	111.886	106.245	102.208	100.107	99.641	99.480	99.319
10/28/2005	10/28/2015	10/28/2008	4.310	120.283	113.012	107.168	102.869	100.107	98.580	97.596	96.753
11/4/2005	11/4/2010	2/4/2008	4.520	110.439	107.464	104.614	102.053	100.286	99.713	99.531	99.359
11/21/2005	11/21/2012	2/21/2008	4.290	115.067	110.067	105.645	102.172	100.149	98.580	97.596	96.753
12/22/2005	12/22/2008	12/24/2007	4.750	103.845	102.778	101.731	100.704	100.013	99.902	99.841	99.781
1/6/2006	1/6/2016	1/7/2008	4.020	118.360	111.220	105.684	101.835	100.058	99.762	99.661	99.561
1/17/2006	1/19/2016	1/17/2008	4.080	118.901	111.670	106.020	102.040	100.076	99.687	99.550	99.414
3/20/2006	3/21/2011	3/20/2008	4.760	112.366	108.988	105.732	102.601	100.280	99.530	99.217	98.919
4/11/2006	4/11/2011	4/11/2008	4.980	113.295	109.848	106.553	103.547	101.130	99.762	99.194	98.831
4/19/2006	4/19/2013	1/22/2008	4.630	117.654	112.219	107.386	103.465	100.786	99.801	99.626	99.490
4/24/2006	4/25/2016	1/24/2008	4.440	122.152	114.409	108.182	103.562	100.669	99.736	99.552	99.400
4/28/2006	4/28/2011	4/28/2008	5.090	113.831	110.328	106.953	103.706	100.934	99.615	99.117	98.722
5/5/2006	5/6/2013	2/5/2008	4.780	118.527	113.023	108.106	104.065	101.185	99.895	99.566	99.387
5/5/2006	5/5/2016	2/5/2008	4.350	121.432	113.763	107.663	103.209	100.549	99.704	99.492	99.317

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
5/5/2006	5/5/2016	2/5/2008	4.530	122.854	115.036	108.721	103.999	100.963	99.787	99.525	99.350
5/5/2006	5/5/2016	5/5/2009	4.980	126.430	118.282	111.496	106.176	102.302	99.635	97.756	96.273
5/9/2006	5/9/2011	5/9/2008	5.050	113.798	110.264	106.891	103.818	101.323	99.774	99.055	98.605
5/15/2006	5/16/2016	2/15/2008	4.350	121.514	113.813	107.685	103.205	100.517	99.643	99.401	99.197
5/15/2006	5/16/2016	2/15/2008	4.520	122.862	115.020	108.688	103.954	100.909	99.726	99.438	99.233
5/19/2006	5/19/2016	2/19/2008	4.510	122.806	114.964	108.636	103.909	100.876	99.726	99.438	99.233
6/12/2006	6/13/2016	12/12/2007	4.620	123.797	115.816	109.333	104.436	101.182	99.979	99.901	99.865
6/26/2006	6/27/2016	12/26/2007	4.730	124.798	116.691	110.052	104.970	101.481	100.017	99.804	99.730
6/28/2006	6/28/2013	12/28/2007	4.950	119.845	114.160	109.053	104.789	101.618	100.095	99.814	99.737
6/28/2006	6/28/2013	12/28/2007	4.950	119.845	114.160	109.053	104.789	101.618	100.095	99.814	99.737
6/30/2006	7/1/2013	12/31/2007	4.890	119.456	113.789	108.731	104.551	101.497	100.150	99.993	99.990
7/14/2006	7/15/2013	1/14/2008	4.890	119.582	113.875	108.778	104.563	101.475	100.016	99.689	99.564
7/19/2006	7/19/2011	7/21/2008	5.250	115.188	111.436	107.858	104.580	101.846	99.970	98.902	98.210
7/20/2006	7/20/2011	7/21/2008	5.300	115.379	111.621	108.009	104.543	101.513	99.710	98.844	98.224
7/24/2006	7/25/2016	1/24/2008	4.660	124.370	116.260	109.660	104.653	101.287	99.880	99.586	99.434
7/28/2006	7/28/2016	1/28/2008	4.490	123.015	115.037	108.626	103.857	100.814	99.739	99.536	99.376
8/1/2006	8/1/2016	8/3/2009	4.890	126.210	117.933	111.109	105.824	102.004	99.325	97.341	95.689
8/11/2006	8/11/2011	2/11/2008	4.790	113.718	109.934	106.361	103.209	100.839	99.798	99.531	99.340
8/21/2006	8/21/2013	2/21/2008	4.750	119.049	113.288	108.200	104.062	101.142	99.828	99.454	99.234
8/25/2006	8/25/2016	2/25/2008	4.350	122.003	114.098	107.834	103.266	100.514	99.788	99.640	99.514
8/28/2006	8/29/2011	2/28/2008	4.890	114.253	110.409	106.773	103.538	101.036	99.815	99.432	99.190
9/22/2006	9/22/2011	9/22/2008	4.790	114.089	110.186	106.507	103.265	100.766	99.203	98.233	97.458
9/29/2006	9/29/2011	9/29/2008	4.590	113.390	109.483	105.821	102.658	100.320	98.905	98.002	97.229
10/10/2006	10/10/2013	1/10/2008	4.250	116.454	110.744	105.900	102.233	100.214	99.762	99.651	99.539
10/12/2006	10/15/2013	1/14/2008	4.500	117.924	112.110	107.080	103.128	100.582	99.788	99.640	99.514
10/20/2006	10/20/2009	1/20/2008	4.930	107.709	105.796	103.928	102.102	100.318	98.905	98.002	97.229
10/30/2006	10/31/2011	10/30/2008	4.850	114.657	110.632	106.776	103.163	100.460	98.998	98.047	97.204
11/3/2006	11/3/2011	11/3/2008	4.690	114.052	110.035	106.188	102.657	100.213	98.882	97.972	97.138
11/6/2006	11/6/2013	2/6/2008	4.290	116.809	111.030	106.129	102.403	100.261	99.658	99.473	99.295
11/10/2006	11/13/2012	2/11/2008	4.390	115.496	110.499	106.048	102.499	100.321	99.645	99.434	99.238
11/17/2006	11/18/2013	2/19/2008	4.350	117.248	111.411	106.433	102.608	100.320	99.706	99.517	99.350
11/24/2006	11/25/2016	2/25/2008	4.190	121.098	113.174	107.016	102.642	100.232	99.994	99.991	99.988
11/30/2006	12/2/2013	2/29/2008	4.350	117.256	111.408	106.442	102.646	100.386	99.706	99.517	99.350
12/1/2006	12/1/2016	3/3/2008	4.090	120.216	112.416	106.429	102.271	100.265	99.994	99.991	99.988
12/4/2006	12/5/2016	3/4/2008	4.080	120.160	112.360	106.378	102.228	100.237	99.968	99.955	99.941
12/5/2006	12/5/2016	12/7/2009	4.260	121.654	113.661	107.424	102.916	99.788	97.465	95.509	93.711
12/6/2006	12/6/2013	12/7/2009	4.400	117.577	111.694	106.674	102.770	99.900	97.676	95.752	93.960
12/8/2006	12/8/2016	12/10/2007	3.990	119.436	111.730	105.879	101.884	100.123	99.947	99.925	99.903
12/11/2006	12/11/2009	12/11/2007	4.690	107.832	105.776	103.772	101.842	100.345	99.949	99.919	99.888
12/12/2006	12/12/2016	12/12/2007	3.990	119.462	111.745	105.884	101.879	100.107	99.921	99.888	99.855
12/12/2006	12/12/2016	12/12/2007	4.050	119.959	112.173	106.219	102.105	100.175	99.923	99.890	99.857
12/13/2006	12/15/2008	12/13/2007	4.890	103.927	102.879	101.851	100.845	100.118	99.939	99.897	99.856
12/13/2006	12/14/2009	12/15/2008	4.830	108.145	106.078	104.062	102.106	100.336	98.965	97.894	96.940
12/19/2006	12/19/2011	12/19/2007	4.490	113.620	109.496	105.678	102.463	100.398	99.902	99.849	99.797
12/19/2006	12/19/2016	12/19/2008	4.190	121.171	113.210	107.036	102.645	99.896	98.304	97.205	96.241
12/20/2006	12/20/2013	12/22/2008	4.500	118.275	112.314	107.187	103.173	100.399	98.681	97.528	96.550
12/21/2006	12/21/2011	12/21/2007	4.530	113.798	109.664	105.830	102.586	100.442	99.894	99.836	99.778
12/27/2006	12/27/2013	12/29/2008	4.500	118.331	112.350	107.205	103.173	100.382	98.647	97.477	96.481
12/28/2006	12/28/2016	12/28/2007	4.250	121.736	113.688	107.406	102.901	100.404	99.837	99.760	99.683
12/28/2006	12/28/2016	12/29/2008	4.400	122.997	114.800	108.313	103.563	100.443	98.584	97.374	96.369
1/8/2007	1/9/2012	1/8/2008	4.750	114.829	110.624	106.705	103.331	100.878	99.892	99.714	99.605
1/12/2007	1/12/2017	1/12/2009	4.420	123.182	114.954	108.444	103.679	100.534	98.625	97.359	96.307
1/16/2007	1/17/2017	1/17/2012	4.790	126.364	117.784	110.722	104.998	100.253	96.159	92.488	89.096
1/23/2007	1/23/2014	1/23/2008	4.490	118.390	112.357	107.188	103.155	100.566	99.746	99.576	99.429
1/23/2007	1/23/2017	1/23/2008	4.460	123.605	115.307	108.715	103.864	100.806	99.759	99.571	99.424
1/29/2007	1/29/2014	1/29/2009	4.790	120.239	114.086	108.715	104.378	101.207	99.109	97.695	96.563
2/2/2007	2/2/2017	2/4/2008	4.690	125.564	117.062	110.204	105.038	101.558	99.989	99.582	99.410
2/9/2007	2/9/2012	2/11/2008	4.750	115.090	110.801	106.809	103.379	100.876	99.801	99.537	99.351
2/9/2007	2/9/2012	2/11/2008	4.750	115.090	110.801	106.809	103.379	100.876	99.801	99.537	99.351
2/9/2007	2/9/2017	2/11/2008	4.470	123.741	115.414	108.807	103.950	100.888	99.747	99.482	99.297
2/12/2007	2/13/2012	2/12/2009	4.880	115.668	111.354	107.322	103.812	101.079	99.165	97.794	96.648
2/15/2007	2/15/2012	2/17/2009	4.990	116.146	111.816	107.759	104.196	101.375	99.369	97.937	96.767
2/20/2007	2/21/2017	2/20/2008	4.390	123.150	114.867	108.337	103.580	100.656	99.643	99.370	99.152
2/20/2007	2/21/2017	2/21/2012	4.850	126.967	117.988	110.655	104.860	100.149	96.098	92.430	89.029
2/23/2007	2/23/2017	2/25/2008	4.250	121.972	113.827	107.486	102.954	100.365	99.575	99.282	99.035
2/23/2007	2/23/2017	2/25/2008	4.350	122.824	114.576	108.094	103.398	100.565	99.613	99.344	99.121
2/28/2007	3/1/2010	2/28/2008	4.890	109.063	106.777	104.551	102.384	100.522	99.796	99.619	99.455
3/2/2007	3/2/2012	3/3/2008	4.490	114.156	109.831	105.862	102.565	100.386	99.575	99.282	99.035
3/9/2007	3/10/2014	3/9/2009	4.450	118.328	112.227	107.046	103.040	100.260	98.427	97.079	95.897
3/16/2007	3/16/2017	3/17/2008	4.090	120.662	112.666	106.548	102.300	100.045	99.356	99.055	98.771
3/20/2007	3/20/2012	3/20/2008	4.550	114.559	110.176	106.147	102.774	100.471	99.519	99.161	98.865
3/21/2007	3/21/2017	3/21/2008	4.220	121.803	113.647	107.327	102.831	100.270	99.388	99.051	98.753
3/23/2007	3/23/2017	3/23/2009	4.290	122.416	114.181	107.754	103.126	100.095	98.177	96.784	95.568
3/23/2007	3/23/2017	3/23/2009	4.290	122.416	114.181	107.754	103.126	100.095	98.177	96.784	95.568
3/23/2007	3/23/2017	6/23/2009	4.290	122.416	114.181	107.754	103.126	100.095	98.177	96.784	95.568
3/30/2007	3/30/2012	3/31/2008	4.670	115.157	110.719	106.482	102.479	100.060	99.450	99.124	98.802

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
4/2/2007	4/2/2012	4/2/2009	4.590	114.820	110.400	106.332	102.917	100.366	98.561	97.171	95.935
4/9/2007	4/9/2009	1/9/2008	4.750	105.076	103.716	102.381	101.079	100.114	99.823	99.714	99.605
4/9/2007	4/10/2017	1/9/2008	4.150	121.256	113.152	106.929	102.564	100.271	99.751	99.639	99.528
4/12/2007	4/12/2017	1/14/2008	4.250	122.127	113.908	107.531	102.984	100.430	99.759	99.633	99.517
4/13/2007	4/13/2017	4/13/2009	4.450	123.859	115.428	108.766	103.883	100.596	98.470	96.949	95.656
4/18/2007	4/20/2009	1/18/2008	4.940	105.443	104.049	102.682	101.345	100.237	99.809	99.662	99.523
4/23/2007	4/23/2012	4/23/2008	4.650	115.258	110.771	106.636	103.145	100.664	99.475	98.976	98.592
4/23/2007	4/23/2014	4/23/2010	4.620	119.635	113.360	107.975	103.675	100.368	97.724	95.436	93.320
4/27/2007	4/27/2012	4/27/2009	4.550	114.856	110.368	106.245	102.792	100.213	98.372	96.935	95.644
4/27/2007	4/27/2017	4/28/2008	4.250	122.235	113.974	107.557	102.974	100.280	99.238	98.781	98.390
5/2/2007	5/2/2014	5/3/2010	4.590	119.424	113.161	107.815	103.558	100.272	97.627	95.325	93.192
5/4/2007	5/5/2014	5/4/2009	4.550	119.200	112.946	107.626	103.478	100.527	98.499	96.966	95.628
5/14/2007	5/16/2011	2/14/2008	4.500	111.970	108.450	105.129	102.242	100.299	99.652	99.434	99.229
5/18/2007	5/18/2017	5/19/2008	4.190	121.775	113.554	107.222	102.751	100.155	99.088	98.572	98.127
5/22/2007	5/22/2012	5/22/2009	4.690	115.655	111.080	106.867	103.303	100.576	98.592	97.037	95.662
5/22/2007	5/22/2012	5/22/2009	4.690	115.655	111.080	106.867	103.303	100.576	98.592	97.037	95.662
5/22/2007	5/22/2012	5/22/2009	4.710	115.743	111.166	106.947	103.371	100.629	98.630	97.069	95.690
5/22/2007	5/22/2017	5/22/2012	4.750	126.693	117.885	110.654	104.758	99.816	95.506	91.620	88.024
5/25/2007	5/25/2012	5/27/2008	4.650	115.503	110.924	106.715	103.173	100.639	99.344	98.739	98.271
5/29/2007	5/30/2017	2/29/2008	4.250	122.379	114.058	107.602	102.997	100.352	99.990	99.984	99.979
6/1/2007	6/1/2010	3/3/2008	4.990	110.243	107.695	105.223	102.875	100.887	100.032	99.993	99.991
6/1/2007	6/2/2014	3/3/2008	4.500	119.006	112.719	107.404	103.301	100.678	99.990	99.984	99.979
6/7/2007	6/7/2012	6/9/2008	4.940	116.883	112.237	107.927	104.207	101.374	99.694	98.884	98.358
6/7/2007	6/7/2017	6/8/2009	4.820	127.345	118.465	111.272	105.796	101.907	99.271	97.392	95.871
6/8/2007	6/9/2014	12/10/2007	4.730	120.512	114.105	108.602	104.233	101.195	100.020	99.934	99.909
6/8/2007	6/8/2017	12/10/2007	4.490	124.447	115.877	109.103	104.128	100.965	99.958	99.936	99.914
6/11/2007	6/12/2017	12/11/2007	4.490	124.479	115.896	109.112	104.127	100.955	99.938	99.905	99.871
6/18/2007	6/19/2017	12/18/2007	4.500	124.621	116.008	109.193	104.174	100.966	99.902	99.850	99.797
6/18/2007	6/19/2017	6/18/2009	4.840	127.625	118.692	111.444	105.909	101.963	99.275	97.353	95.798
6/19/2007	6/19/2017	6/19/2008	4.650	125.943	117.185	110.174	104.920	101.381	99.515	98.651	98.090
6/20/2007	6/20/2012	6/20/2008	4.890	116.778	112.100	107.768	104.042	101.225	99.580	98.767	98.212
6/20/2007	6/20/2012	6/20/2008	4.960	117.094	112.408	108.057	104.293	101.409	99.670	98.813	98.252
6/22/2007	6/22/2017	12/24/2007	4.500	124.644	116.023	109.200	104.174	100.958	99.887	99.826	99.765
6/26/2007	6/26/2012	6/26/2009	5.130	117.920	113.196	108.790	104.921	101.818	99.479	97.678	96.150
6/28/2007	6/28/2017	6/30/2008	4.500	124.691	116.052	109.214	104.173	100.901	99.257	98.480	97.916
7/13/2007	7/13/2012	7/14/2008	4.690	116.036	111.320	106.998	103.371	100.748	99.289	98.507	97.909
7/13/2007	7/13/2017	1/14/2008	4.290	122.851	114.428	107.891	103.216	100.517	99.766	99.630	99.510
7/13/2007	7/13/2017	7/13/2011	4.900	128.260	119.230	111.853	105.996	101.308	97.403	93.981	90.871
7/18/2007	7/18/2017	7/19/2010	4.780	127.233	118.298	111.082	105.544	101.386	98.166	95.486	93.096
7/19/2007	7/19/2012	7/20/2009	4.890	117.006	112.246	107.850	104.079	101.138	98.934	97.189	95.655
7/20/2007	7/20/2017	1/22/2008	4.290	122.902	114.459	107.904	103.212	100.495	99.726	99.571	99.432
7/24/2007	7/24/2012	7/24/2009	4.820	116.729	111.964	107.574	103.832	100.931	98.765	97.034	95.498
7/27/2007	7/27/2012	7/28/2008	4.590	115.697	110.954	106.628	103.034	100.496	99.099	98.332	97.708
7/27/2007	7/28/2014	7/28/2008	4.350	118.381	112.036	106.744	102.730	100.161	98.894	98.165	97.542
7/27/2007	7/27/2017	7/28/2008	4.180	121.984	113.645	107.240	102.724	100.040	98.779	98.061	97.443
7/27/2007	7/27/2017	7/28/2008	4.250	122.600	114.182	107.669	103.028	100.198	98.853	98.110	97.488
7/30/2007	1/30/2019	1/30/2008	3.990	122.445	113.390	106.716	102.216	100.053	99.603	99.437	99.271
7/31/2007	7/31/2017	1/31/2008	3.990	120.344	112.228	106.114	101.945	99.984	99.597	99.428	99.259
7/31/2007	7/31/2017	1/31/2008	3.990	120.344	112.228	106.114	101.945	99.984	99.597	99.428	99.259
7/31/2007	7/31/2017	7/31/2008	4.060	120.957	112.751	106.522	102.218	99.763	98.629	97.943	97.320
8/2/2007	8/4/2014	8/3/2009	4.490	119.224	112.822	107.442	103.298	100.343	98.216	96.509	94.974
8/2/2007	8/2/2017	8/4/2008	4.050	120.790	112.633	106.468	102.235	99.818	98.671	97.975	97.351
8/2/2007	8/2/2017	8/4/2008	4.150	121.667	113.385	107.062	102.644	100.037	98.779	98.046	97.418
8/6/2007	8/6/2012	8/6/2008	4.490	115.282	110.532	106.238	102.737	100.329	99.014	98.245	97.603
8/6/2007	8/6/2012	8/6/2008	4.490	115.282	110.532	106.238	102.737	100.329	99.014	98.245	97.603
8/9/2007	8/11/2014	8/9/2011	4.860	121.667	115.071	109.347	104.515	100.404	96.794	93.508	90.439
8/9/2007	8/9/2017	8/11/2008	3.990	120.312	112.211	106.128	101.989	99.667	98.573	97.871	97.231
8/9/2007	8/9/2017	8/11/2008	3.990	120.312	112.211	106.128	101.989	99.667	98.573	97.871	97.231
8/13/2007	8/13/2012	8/13/2009	4.590	115.804	111.018	106.669	103.068	100.345	98.293	96.595	95.045
8/16/2007	8/16/2017	2/19/2008	3.990	120.357	112.238	106.136	101.989	99.996	99.533	99.324	99.120
8/17/2007	8/17/2012	2/19/2008	4.150	113.786	109.062	104.892	101.667	99.977	99.560	99.350	99.143
8/17/2007	8/17/2012	8/18/2008	4.350	114.719	109.959	105.694	102.281	100.012	98.813	98.058	97.392
8/17/2007	8/17/2017	2/19/2008	4.000	120.452	112.316	106.195	102.026	100.005	99.528	99.317	99.110
8/20/2007	8/20/2010	8/20/2009	4.590	109.951	107.185	104.521	102.066	99.947	98.139	96.513	94.972
8/20/2007	8/20/2014	8/20/2009	4.250	117.785	111.432	106.178	102.243	99.551	97.599	95.957	94.419
8/20/2007	8/20/2014	8/20/2009	4.250	117.785	111.432	106.178	102.243	99.551	97.599	95.957	94.419
8/24/2007	8/24/2010	8/25/2008	4.460	109.630	106.858	104.192	101.767	99.923	98.831	98.079	97.398
8/24/2007	8/24/2012	2/25/2008	4.050	113.369	108.645	104.510	101.371	99.857	99.492	99.265	99.039
8/27/2007	8/27/2009	2/27/2008	4.630	106.482	104.728	103.012	101.345	100.085	99.619	99.380	99.146
8/28/2007	8/28/2014	8/28/2009	4.350	118.509	112.111	106.786	102.740	99.884	97.804	96.085	94.508
8/30/2007	8/30/2012	8/31/2009	4.390	115.007	110.203	105.885	102.387	99.789	97.809	96.122	94.551
8/30/2007	9/2/2014	2/29/2008	3.890	115.482	109.388	104.563	101.232	99.855	99.603	99.436	99.269
8/31/2007	8/31/2012	8/31/2009	4.370	114.921	110.117	105.803	102.315	99.732	97.761	96.079	94.507
9/4/2007	9/4/2012	9/4/2008	4.190	114.074	109.300	105.084	101.807	99.737	98.628	97.870	97.174
9/4/2007	9/4/2012	9/4/2008	4.220	114.216	109.436	105.204	101.898	99.790	98.655	97.893	97.196
9/4/2007	9/5/2017	9/4/2008	3.890	119.517	111.512	105.576	101.618	99.453	98.386	97.635	96.937

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
9/6/2007	9/7/2010	12/6/2007	4.160	108.929	106.133	103.462	101.132	100.018	99.957	99.938	99.919
9/7/2007	9/7/2012	9/8/2008	4.090	113.625	108.861	104.691	101.504	99.552	98.519	97.768	97.065
9/10/2007	9/11/2017	3/10/2008	3.690	117.812	110.075	104.484	100.969	99.617	99.261	98.988	98.717
9/11/2007	9/13/2010	9/11/2009	4.430	109.727	106.902	104.190	101.720	99.625	97.828	96.178	94.596
9/11/2007	9/11/2017	3/11/2008	3.590	116.948	109.367	103.966	100.685	99.557	99.233	98.960	98.689
9/12/2007	9/12/2014	6/12/2008	3.690	114.264	108.291	103.677	100.641	99.266	98.656	98.149	97.650
9/13/2007	9/15/2014	9/14/2009	3.990	116.209	110.008	105.035	101.447	98.975	97.083	95.417	93.834
9/13/2007	9/13/2017	9/13/2010	3.990	120.448	112.284	106.115	101.641	98.274	95.486	92.976	90.617
9/14/2007	9/14/2011	9/15/2008	4.090	111.377	107.558	104.063	101.246	99.459	98.466	97.707	96.987
9/14/2007	9/14/2012	9/14/2010	4.390	115.095	110.256	105.897	102.223	99.150	96.459	93.976	91.614
9/17/2007	9/17/2012	9/17/2009	4.220	114.312	109.495	105.229	101.862	99.396	97.481	95.797	94.203
9/27/2007	9/27/2010	9/29/2008	4.250	109.332	106.475	103.742	101.313	99.574	98.524	97.726	96.972
9/27/2007	9/29/2014	9/27/2010	4.490	119.483	112.667	106.954	102.661	99.400	96.643	94.127	91.732
9/27/2007	9/27/2017	3/27/2008	3.650	117.557	109.837	104.281	100.819	99.517	99.132	98.816	98.503
9/28/2007	9/28/2010	9/29/2008	4.290	109.453	106.592	103.851	101.406	99.633	98.556	97.751	96.994
9/28/2007	9/28/2012	12/28/2007	3.850	112.629	107.860	103.782	100.847	99.883	99.806	99.729	99.652
10/3/2007	10/3/2012	1/3/2008	3.830	112.527	107.759	103.714	100.852	99.879	99.764	99.671	99.579
10/9/2007	10/9/2012	10/9/2009	4.400	115.299	110.351	105.788	102.179	99.661	97.734	96.015	94.374
10/11/2007	10/14/2014	4/13/2009	4.180	117.536	111.165	105.970	102.142	99.590	97.877	96.522	95.278
10/11/2007	10/11/2017	10/14/2008	3.990	120.534	112.331	106.180	101.995	99.578	98.312	97.446	96.660
10/15/2007	10/16/2017	10/15/2008	3.990	120.566	112.349	106.186	101.988	99.559	98.281	97.402	96.603
10/22/2007	10/22/2012	10/22/2008	3.990	113.421	108.560	104.358	101.209	99.292	98.197	97.344	96.535
10/25/2007	10/27/2014	10/25/2011	4.360	118.814	112.290	106.769	102.147	98.165	94.587	91.270	88.141
10/26/2007	10/26/2017	1/28/2008	3.390	115.384	108.051	102.998	100.254	99.691	99.535	99.379	99.225
10/29/2007	10/29/2009	10/29/2008	4.250	106.489	104.564	102.683	100.877	99.406	98.378	97.515	96.688
10/29/2007	10/29/2012	10/29/2009	3.990	113.468	108.588	104.367	101.147	98.788	96.871	95.123	93.445
11/2/2007	11/3/2014	11/2/2009	3.990	116.331	110.068	105.074	101.481	98.962	96.978	95.201	93.511
11/2/2007	11/3/2014	11/2/2010	4.190	117.645	111.246	106.000	101.888	98.590	95.750	93.151	90.692
11/5/2007	11/5/2014	11/5/2009	3.990	116.344	110.076	105.076	101.479	98.955	96.966	95.185	93.489
11/5/2007	11/6/2017	11/5/2012	4.390	124.210	115.438	108.338	102.507	97.522	93.092	89.033	85.254
11/6/2007	11/6/2017	5/6/2008	3.480	116.134	108.668	103.461	100.393	99.253	98.779	98.365	97.956
11/8/2007	11/9/2009	5/8/2008	4.100	106.375	104.424	102.520	100.725	99.572	99.031	98.606	98.188
11/9/2007	11/10/2014	11/9/2011	4.330	118.620	112.106	106.606	101.997	98.011	94.423	91.089	87.942
11/13/2007	11/14/2011	11/13/2008	3.760	110.490	106.547	103.070	100.470	98.902	97.898	97.019	96.167
11/13/2007	11/13/2012	11/13/2008	3.680	112.025	107.200	103.203	100.415	98.830	97.829	96.953	96.104
11/13/2007	11/13/2014	5/13/2008	3.350	112.243	106.500	102.320	99.937	99.117	98.666	98.234	97.806
11/19/2007	11/19/2014	11/19/2009	3.750	114.863	108.738	103.987	100.673	98.321	96.392	94.611	92.896
11/19/2007	11/19/2014	11/19/2009	3.750	114.863	108.738	103.987	100.673	98.321	96.392	94.611	92.896
11/19/2007	11/19/2014	11/21/2011	4.270	118.290	111.785	106.307	101.717	97.741	94.151	90.813	87.657
11/19/2007	11/20/2017	11/19/2012	4.290	123.196	114.303	107.270	101.608	96.767	92.427	88.430	84.681
11/20/2007	11/20/2017	11/22/2010	3.740	118.483	110.559	104.722	100.490	97.207	94.384	91.787	89.320
11/23/2007	11/24/2017	11/23/2011	3.990	120.359	111.701	105.328	100.544	96.596	93.060	89.762	86.631
11/23/2007	11/24/2017	11/23/2011	3.990	120.359	111.701	105.328	100.544	96.596	93.060	89.762	86.631
11/29/2007	11/29/2017	5/29/2008	2.950	111.775	105.261	101.173	99.402	98.818	98.339	97.866	97.397
11/30/2007	11/30/2017	11/30/2009	3.190	113.771	106.761	102.097	99.183	97.067	95.206	93.431	91.704
11/30/2007	11/30/2017	11/30/2009	3.190	113.771	106.761	102.097	99.183	97.067	95.206	93.431	91.704