13 PESOS PER US DOLLAR RATE *

for periods indicated

Period	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Monthly Averages																					
January	42.6610	38.4043	40.4266	50.9693	51.4097	53.5635	55.5261	55.7662	52.6171	48.9143	40.9381	47.2072	46.0276	44.1722	43.6191	40.7295	44.9266	44.6044	47.5111	49.7363	50.5087
February	40.4143	38.7799	40.5717	48.2897	51.2817	54.0748	56.0696	54.8128	51.8168	48.3814	40.6711	47.5846	46.3116	43.7031	42.6608	40.6723	44.8950	44.2214	47.6361	49.9614	51.7856
March	39.0040	38.9108	40.9381	48.4673	51.0661	54.5909	56.3029	54.4402	51.2189	48.5172	41.2524	48.4580	45.7425	43.5160	42.8574	40.7127	44.7916	44.4457	46.7240	50.2752	52.0676
April	38.4422	38.2417	41.1884	50.1854	50.9872	52.8068	55.9039	54.4918	51.3597	47.8224	41.8196	48.2165	44.6266	43.2402	42.6998	41.1422	44.6416	44.4136	46.2845	49.8626	52.0986
May	39.2971	37.8385	41.8063	50.5389	49.8383	52.5072	55.8453	54.3411	52.1273	46.8141	42.9020	47.5242	45.5971	43.1307	42.8515	41.2976	43.9236	44.6106	46.8023	49.8603	52.1948
June	40.3991	37.8993	42.6489	51.4881	50.4065	53.3992	55.9848	55.1790	53.1567	46.1602	44.2806	47.9053	46.3027	43.3657	42.7765	42.9069	43.8175	44.9831	46.4645	49.8501	53.0476
July	41.7805	38.2798	44.3557	53.2242	50.5963	53.7138	55.9527	56.0062	52.3976	45.6251	44.9563	48.1460	46.3203	42.8088	41.9054	43.3559	43.4665	45.2649	47.0581	50.6382	53.4329
August	43.0375	39.2610	44.8977	51.9877	51.7931	54.9914	55.8342	55.9523	51.3618	46.0737	44.8769	48.1607	45.1825	42.4209	42.0452	43.8639	43.7673	46.1420	46.6809	50.8747	53.2735
September	43.7759	40.1738	45.7367	51.2499	52.1292	55.0235	56.2132	56.1562	50.4012	46.1315	46.6922	48.1394	44.3137	43.0256	41.7490	43.8318	44.0751	46.7504	47.4294	51.0094	53.9419
October	42.8882	40.3150	48.1061	51.7333	52.9070	54.9520	56.3414	55.7077	50.0038	44.3803	48.0252	46.8513	43.4449	43.4514	41.4521	43.1825	44.7979	46.3609	48.3482	51.3433	54.0086
November	39.9435	40.3409	49.7537	51.9899	53.3082	55.3718	56.3221	54.5606	49.8434	43.2176	49.1862	47.0324	43.4918	43.2745	41.1222	43.5546	44.9514	47.0067	49.1550	51.0384	52.8083
December	39.0733	40.6232	49.8962	51.7889	53.5195	55.4451	56.1828	53.6118	49.4670	41.7429	48.0942	46.4211	43.9548	43.6486	41.0067	44.1043	44.6878	47.2303	49.8156	50.3947	52.7691
Average	**40.8931**	**39.0890**	**44.1938**	**50.9927**	**51.6036**	**54.2033**	**56.0399**	**55.0855**	**51.3143**	**46.1484**	**44.4746**	**47.6372**	**45.1097**	**43.3131**	**42.2288**	**42.4462**	**44.3952**	**45.5028**	**47.4925**	**50.4037**	**52.6614**
% Appreciation(+) / Depreciation(-)	**-27.93**	**4.62**	**-11.55**	**-13.33**	**-1.18**	**-4.80**	**-3.28**	**1.73**	**7.35**	**11.19**	**3.76**	**-6.64**	**5.60**	**4.15**	**2.57**	**-0.51**	**-4.39**	**-2.43**	**-4.19**	**-5.78**	**-4.29**
Volatility [1]	**1.9585**	**1.0140**	**3.3627**	**1.5740**	**1.1291**	**0.9833**	**0.2801**	**0.8396**	**1.1536**	**2.0991**	**2.9141**	**0.7112**	**1.1125**	**0.5243**	**0.8150**	**1.3701**	**0.5710**	**1.0807**	**1.1040**	**0.5867**	**1.0107**
End-of-Period																					
January	42.4100	38.7170	40.3900	49.4120	51.2010	53.7990	56.0850	55.1120	52.3360	49.0270	40.6500	47.0760	46.7430	44.0880	42.9460	40.6530	45.1550	44.1320	47.8230	49.8140	51.4210
February	40.3640	39.0980	40.8450	48.2630	51.3540	54.3450	56.2750	54.7170	52.0880	48.2870	40.3600	48.2360	46.2580	43.8370	42.8640	40.7360	44.6560	44.0870	47.5600	50.2670	52.0340
March	37.0810	38.7660	41.0630	49.3780	51.1480	53.5320	56.3570	54.7930	51.2840	48.2620	41.8680	48.4190	45.2200	43.4320	43.0000	40.9380	44.9960	44.7960	46.1080	50.1940	52.2070
April	39.9790	38.0180	41.2780	51.2180	50.7440	52.8170	55.8580	54.3540	51.8260	47.5100	42.1920	48.7040	44.6440	43.0180	42.4360	41.1610	44.4630	44.2500	46.7730	49.6990	51.9650
May	38.8980	38.0950	42.8290	50.5840	49.9660	53.2820	55.8370	54.3670	52.6540	46.2690	43.8820	47.5480	46.2120	43.2910	43.4510	42.3760	43.9270	44.6500	46.7750	49.8670	52.6890
June	42.0910	38.0190	43.1540	52.3660	50.4180	53.7060	56.1810	55.9190	53.5870	46.3290	44.7560	48.3080	46.3100	43.4940	42.2830	43.3070	43.7800	45.2000	46.9600	50.4660	53.5220
July	42.0160	38.2450	44.9410	53.5620	51.2870	54.6890	56.0090	56.1050	51.6240	45.6110	44.1400	48.1210	45.8130	42.2270	41.9070	43.4020	43.4210	45.6180	47.0850	50.5820	53.2630
August	43.8740	39.6710	45.0770	51.2100	51.8090	55.1130	56.2160	56.1600	50.9370	46.6950	45.6850	48.9060	45.1790	42.5070	42.3150	44.6350	43.6480	46.7050	46.4670	51.1660	53.4340
September	43.8090	41.1120	46.2830	51.3550	52.4470	54.9420	56.3360	56.0550	50.3870	45.0630	46.9170	47.5920	43.8960	43.6360	41.8800	43.3090	44.9660	46.9260	48.2570	51.0730	54.2510
October	40.8310	40.1580	51.4270	51.9350	53.0170	55.2450	56.3510	55.0600	49.8050	43.9470	48.7460	47.7320	43.1820	43.0280	41.2630	43.1790	44.8760	46.8900	48.5150	51.7990	53.6060
November	39.4620	40.7870	49.3930	52.0240	53.5890	55.7670	56.2310	53.9990	49.7630	42.7980	48.8800	46.7520	44.2550	43.8100	40.8830	43.7360	44.9160	47.0690	49.7770	50.3650	52.6080
December	39.0590	40.3130	49.9980	51.4040	53.0960	55.5690	56.2670	53.0670	49.1320	41.4010	47.4850	46.3560	43.8850	43.9280	41.1920	44.4140	44.6170	47.1660	49.8130	49.9230	52.7240

** Daily weighted average rate under the Philippine Dealing System (PDS) starting August 4, 1992*

[1] Annual Cummulative Volatility

Source: Reference Exchange Rate Bulletin, Bangko Sentral ng Pilipinas (BSP)