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INTEREST RATE AND CURRENCY DERIVATIVES

DAILY MTM REPORT

DAILY SUMMARY FOR: 07/12/2018

Contract Details	Strike	Call / Put	MTM Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest	
Derivatives														
\$ / R	On 07/12/2018	Any day expiry	13.97000	13.97000		14.18430	14.18430		12.61	0.00	6,985,000.00	500	0.00	
\$ / R	On 11/12/2018	Any day expiry	13.97150	13.97150		14.18120	14.18120		15.57	0.00	0.00	0	0.00	
\$ / R	On 11/12/2018	Any day expiry	13.65	Put	13.95610	0.01396	12.00170	0.01200	13.956	18.14	0.11	0.00	0	20,000.00
\$ / R	On 11/12/2018	Any day expiry	13.86	Put	49.45330	0.04945	34.83430	0.03483	49.453	16.34	0.32	0.00	0	7,500.00
\$ / R	On 11/12/2018	Any day expiry	15.08	Call	0.52790	0.00053	5.31480	0.00531	0.528	27.56	0.00	0.00	0	7,500.00
\$ / R	On 11/12/2018	Any day expiry	15.69	Call	0.08420	0.00008	0.94980	0.00095	0.084	34.19	0.00	0.00	0	20,000.00
\$ / R	On 12/12/2018	Any day expiry	13.97160	13.97160		14.18280	14.18280		17.21	0.00	0.00	0	3,672.00	
\$ / R	On 14/12/2018	Foreign Exchange Future	13.97430	13.97430		14.18620	14.18620		18.90	0.00	1,501,189,177.50	107,425	565,271.00	
\$ / R	On 14/12/2018	Foreign Exchange Future	11.64	Put	0.00000	0.00000	0.02810	0.00003	0.000	22.47	0.00	0.00	0	2,764.00
\$ / R	On 14/12/2018	Foreign Exchange Future	11.75	Put	0.00000	0.00000	0.03680	0.00004	0.000	22.93	0.00	0.00	0	228,616.00
\$ / R	On 14/12/2018	Foreign Exchange Future	11.90	Put	0.00000	0.00000	0.05360	0.00005	0.000	23.55	0.00	0.00	0	11,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.00	Put	0.00020	0.00000	0.06920	0.00007	0.000	23.96	0.00	0.00	0	174,530.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.02	Put	0.00030	0.00000	0.07290	0.00007	0.000	24.04	0.00	0.00	0	5,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.10	Put	0.00090	0.00000	0.08990	0.00009	0.001	24.37	0.00	0.00	0	8,580.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.20	Put	0.00390	0.00000	0.11730	0.00012	0.004	24.79	0.00	0.00	0	7,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.25	Put	0.00750	0.00001	0.13420	0.00013	0.008	25.00	0.00	0.00	0	3,300.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 14/12/2018	Foreign Exchange Future	12.38	Put	0.03640	0.00004	0.19210	0.00019	0.036	25.53	0.00	0.00	0	39,589.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.50	Call	1,474.43050	1.47443	1,686.46980	1.68647	1,474.430	26.03	1.00	0.00	0	228,616.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.50	Put	0.13050	0.00013	0.26980	0.00027	0.131	26.03	0.00	0.00	0	26,400.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.63	Put	0.32920	0.00033	0.39450	0.00039	0.329	25.83	0.00	0.00	0	39,589.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.68	Put	0.43220	0.00043	0.45810	0.00046	0.432	25.58	0.00	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.75	Put	0.63040	0.00063	0.56660	0.00057	0.630	25.22	0.00	0.00	0	1,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.95	Put	1.80330	0.00180	1.04990	0.00105	1.803	24.22	0.01	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.00	Put	2.32890	0.00233	1.23070	0.00123	2.329	23.96	0.01	0.00	0	72,280.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.00	Call	976.62890	0.97663	1,187.43070	1.18743	976.629	23.96	0.99	0.00	0	4,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.05	Put	2.99850	0.00300	1.44640	0.00145	2.999	23.71	0.02	0.00	0	1,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.10	Put	3.84830	0.00385	1.70420	0.00170	3.848	23.46	0.02	0.00	0	11,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.20	Call	780.57340	0.78057	988.58470	0.98858	780.573	22.96	0.96	0.00	0	5,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.22	Put	6.90550	0.00691	2.55370	0.00255	6.905	22.86	0.04	0.00	0	5,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.25	Put	7.96550	0.00797	2.83230	0.00283	7.965	22.71	0.04	0.00	0	17,800.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.25	Call	732.26550	0.73227	939.03230	0.93903	732.266	22.71	0.96	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.32	Put	10.99030	0.01099	3.62050	0.00362	10.990	22.32	0.06	0.00	0	13,650.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.33	Put	11.50100	0.01150	3.75140	0.00375	11.501	22.27	0.06	0.00	0	135,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.45	Call	543.89890	0.54390	741.99600	0.74200	543.899	21.62	0.90	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.45	Put	19.59890	0.01960	5.79600	0.00580	19.599	21.62	0.10	0.00	0	4,080.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.50	Put	24.30300	0.02430	6.98230	0.00698	24.303	21.34	0.12	0.00	0	29,800.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.50	Call	498.60300	0.49860	693.18230	0.69318	498.603	21.34	0.88	0.00	0	228,616.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.60	Put	36.86490	0.03686	13.12890	0.01313	36.865	20.80	0.17	0.00	0	68,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.68	Put	50.72800	0.05073	20.76250	0.02076	50.728	20.37	0.22	0.00	0	13,150.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.70	Put	54.82770	0.05483	23.14040	0.02314	54.828	20.26	0.24	0.00	0	7,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.75	Put	66.32920	0.06633	30.03360	0.03003	66.329	19.98	0.27	0.00	0	700.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.79	Put	76.93080	0.07693	36.62020	0.03662	76.931	19.77	0.31	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.80	Put	79.78980	0.07979	38.42820	0.03843	79.790	19.71	0.32	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.80	Call	254.08980	0.25409	424.62820	0.42463	254.090	19.71	0.68	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.90	Put	113.40090	0.11340	60.42540	0.06043	113.401	19.17	0.42	0.00	0	35,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.95	Call	158.22300	0.15822	310.54740	0.31055	158.223	18.90	0.53	0.00	0	39,589.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.00	Put	161.10770	0.16111	90.39840	0.09040	161.108	19.14	0.52	0.00	0	53,250.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.00	Call	135.40770	0.13541	276.59840	0.27660	135.408	19.14	0.48	0.00	0	20,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.10	Put	223.26200	0.22326	129.26810	0.12927	223.262	19.63	0.62	0.00	0	1,867.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.12	Put	236.84780	0.23685	138.15840	0.13816	236.848	19.73	0.64	0.00	0	4,372.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.13	Call	88.07550	0.08808	198.94440	0.19894	88.075	19.78	0.35	0.00	0	20,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.15	Put	257.89110	0.25789	152.20000	0.15220	257.891	19.87	0.67	0.00	0	115,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.16	Put	265.07580	0.26508	157.06870	0.15707	265.076	19.92	0.68	0.00	0	36,200.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.20	Call	68.92480	0.06892	163.68360	0.16368	68.925	20.12	0.29	0.00	0	51,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.20	Put	294.62480	0.29462	177.48360	0.17748	294.625	20.12	0.71	0.00	0	13,650.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.24	Put	325.38780	0.32539	200.03810	0.20004	325.388	20.32	0.74	0.00	0	24,570.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.25	Call	57.55540	0.05756	142.10400	0.14210	57.555	20.36	0.25	0.00	0	51,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.30	Put	373.57550	0.37358	236.55920	0.23656	373.576	20.61	0.79	0.00	0	35,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.33	Put	398.49350	0.39849	255.97840	0.25598	398.493	20.76	0.81	0.00	0	31,047.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.33	Call	42.79350	0.04279	112.17840	0.11218	42.794	20.76	0.19	0.00	0	100.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 14/12/2018	Foreign Exchange Future	14.35	Put	415.38240	0.41538	269.33620	0.26934	415.382	20.85	0.82	0.00	0	4,428.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.35	Call	39.68240	0.03968	105.53620	0.10554	39.682	20.85	0.18	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.39	Put	449.77070	0.44977	296.99840	0.29700	449.771	21.05	0.84	0.00	0	1,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.40	Call	32.78680	0.03279	90.30450	0.09030	32.787	21.10	0.16	0.00	0	100,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.44	Call	28.08510	0.02809	79.45630	0.07946	28.085	21.29	0.14	0.00	0	11,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.50	Call	22.19750	0.02220	65.23450	0.06523	22.198	21.59	0.11	0.00	0	13,700.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.50	Put	547.89750	0.54790	379.03450	0.37903	547.898	21.59	0.89	0.00	0	15,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.51	Put	557.03680	0.55704	386.88720	0.38689	557.037	21.64	0.89	0.00	0	3,388.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.60	Put	640.59420	0.64059	460.13800	0.46014	640.594	22.08	0.92	0.00	0	1,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.60	Call	14.89420	0.01489	46.33800	0.04634	14.894	22.08	0.08	0.00	0	81,900.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.61	Call	14.30610	0.01431	44.74150	0.04474	14.306	22.13	0.08	0.00	0	1,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.62	Call	13.74000	0.01374	43.19290	0.04319	13.740	22.18	0.07	0.00	0	5,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.67	Put	707.04190	0.70704	519.93740	0.51994	707.042	22.47	0.94	0.00	0	3,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.70	Call	10.21330	0.01021	32.41370	0.03241	10.213	22.70	0.06	0.00	0	70,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.74	Put	774.59000	0.77459	581.78480	0.58178	774.590	23.00	0.95	0.00	0	13,150.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.75	Put	784.28870	0.78429	590.76640	0.59077	784.289	23.08	0.95	0.00	0	700.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.75	Call	8.58870	0.00859	26.96640	0.02697	8.589	23.08	0.05	0.00	0	127,100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.80	Put	832.93650	0.83294	636.16110	0.63616	832.936	23.46	0.96	0.00	0	135,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.80	Call	7.23650	0.00724	22.36110	0.02236	7.236	23.46	0.04	0.00	0	400.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.82	Call	6.76130	0.00676	20.72930	0.02073	6.761	23.61	0.04	0.00	0	250.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.84	Call	6.31940	0.00632	19.20700	0.01921	6.319	23.76	0.04	0.00	0	1,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.85	Call	6.11010	0.00611	18.48500	0.01849	6.110	23.83	0.03	0.00	0	50,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.90	Put	930.87060	0.93087	729.03640	0.72904	930.871	24.21	0.97	0.00	0	35,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.00	Put	1,029.42900	1.02943	825.25590	0.82526	1,029.429	24.97	0.98	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.00	Call	3.72900	0.00373	11.45590	0.01146	3.729	24.97	0.02	0.00	0	101,333.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.01	Call	3.61100	0.00361	11.14000	0.01114	3.611	25.04	0.02	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.09	Call	2.80240	0.00280	8.94040	0.00894	2.802	25.65	0.02	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.10	Call	2.71630	0.00272	8.70200	0.00870	2.716	25.72	0.02	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.15	Call	2.32730	0.00233	7.61460	0.00761	2.327	26.10	0.01	0.00	0	27,030.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.20	Call	1.99940	0.00200	6.68080	0.00668	1.999	26.48	0.01	0.00	0	50.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.20	Put	1,227.69940	1.22770	1,020.48080	1.02048	1,227.699	26.48	0.99	0.00	0	50.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.25	Put	1,277.42220	1.27742	1,069.67740	1.06968	1,277.422	26.86	0.99	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.30	Put	1,327.18750	1.32719	1,118.98480	1.11898	1,327.188	27.24	0.99	0.00	0	35,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.37	Call	1.20110	0.00120	4.36990	0.00437	1.201	27.72	0.01	0.00	0	4,372.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.46	Call	0.87690	0.00088	3.53480	0.00353	0.877	28.21	0.01	0.00	0	1,867.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.48	Call	0.81820	0.00082	3.37610	0.00338	0.818	28.31	0.00	0.00	0	29,600.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.50	Put	1,526.46360	1.52646	1,317.02580	1.31703	1,526.464	28.42	1.00	0.00	0	600.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.50	Call	0.76360	0.00076	3.22580	0.00323	0.764	28.42	0.00	0.00	0	5,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.51	Call	0.73770	0.00074	3.15380	0.00315	0.738	28.48	0.00	0.00	0	24,570.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.59	Call	0.56110	0.00056	2.64220	0.00264	0.561	28.90	0.00	0.00	0	31,047.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.60	Call	0.54240	0.00054	2.58550	0.00259	0.542	28.96	0.00	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.61	Call	0.52430	0.00052	2.50870	0.00251	0.524	29.01	0.00	0.00	0	4,428.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.70	Call	0.38760	0.00039	1.91380	0.00191	0.388	29.49	0.00	0.00	0	7,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.73	Call	0.35090	0.00035	1.75000	0.00175	0.351	29.66	0.00	0.00	0	135,000.00

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\$ / R	On 14/12/2018	Foreign Exchange Future	15.84	Put	1,865.94480	1.86594	1,655.06450	1.65506	1,865.945	30.25	1.00	0.00	0	2,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.85	Call	0.23700	0.00024	1.22800	0.00123	0.237	30.30	0.00	0.00	0	17,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.91	Call	0.19550	0.00020	1.03130	0.00103	0.196	30.62	0.00	0.00	0	1,406.00
\$ / R	On 14/12/2018	Foreign Exchange Future	16.00	Call	0.14720	0.00015	0.79620	0.00080	0.147	31.10	0.00	0.00	0	5,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	16.11	Call	0.10480	0.00010	0.58360	0.00058	0.105	31.69	0.00	0.00	0	38,250.00
\$ / R	On 14/12/2018	Foreign Exchange Future	16.14	Call	0.09570	0.00010	0.53680	0.00054	0.096	31.85	0.00	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	16.20	Call	0.07990	0.00008	0.45480	0.00045	0.080	32.18	0.00	0.00	0	2,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	16.24	Call	0.07100	0.00007	0.40770	0.00041	0.071	32.39	0.00	0.00	0	750.00
\$ / R	On 14/12/2018	Foreign Exchange Future	16.56	Call	0.02870	0.00003	0.17550	0.00018	0.029	34.11	0.00	0.00	0	13,650.00
\$ / R	On 14/12/2018	Foreign Exchange Future	16.80	Call	0.02060	0.00002	0.09700	0.00010	0.021	36.03	0.00	0.00	0	13,150.00
\$ / R	On 14/12/2018	Foreign Exchange Future	17.00	Call	0.03730	0.00004	0.06080	0.00006	0.037	39.64	0.00	0.00	0	3,700.00
\$ / R	On 20/12/2018	Any day expiry			13.98300	13.98300	14.19620	14.19620		18.94	0.00	0.00	0	0.00
\$ / R	On 20/12/2018	Any day expiry	13.90	Put	158.34020	0.15834	91.12950	0.09113	158.340	18.78	0.43	0.00	0	35,000.00
\$ / R	On 20/12/2018	Any day expiry	13.98	Put	197.49250	0.19749	118.70190	0.11870	197.493	18.90	0.49	0.00	0	18,000.00
\$ / R	On 20/12/2018	Any day expiry	14.30	Put	409.60580	0.40961	278.33100	0.27833	409.606	20.19	0.72	0.00	0	35,000.00
\$ / R	On 20/12/2018	Any day expiry	14.90	Put	935.41270	0.93541	746.62870	0.74663	935.413	22.58	0.93	0.00	0	35,000.00
\$ / R	On 20/12/2018	Any day expiry	15.30	Put	1,322.84550	1.32285	1,118.98750	1.11899	1,322.845	24.02	0.98	0.00	0	35,000.00
\$ / R	On 21/12/2018	Any day expiry			13.98470	13.98470	14.19790	14.19790		19.08	0.00	0.00	0	160.00
\$ / R	On 21/12/2018	Any day expiry	13.20	Put	11.18250	0.01118	7.82240	0.00782	11.183	18.36	0.05	0.00	0	1,000.00
\$ / R	On 21/12/2018	Any day expiry	13.30	Put	14.31790	0.01432	10.19200	0.01019	14.318	17.36	0.07	0.00	0	1,000.00
\$ / R	On 21/12/2018	Any day expiry	13.85	Put	143.13700	0.14314	0.00000	0.00000	143.137	18.71	0.39	138,181,464.00	25,000	25,000.00
\$ / R	On 21/12/2018	Any day expiry	14.66	Call	41.33640	0.04134	81.91970	0.08192	41.336	21.76	0.14	0.00	0	1,000.00
\$ / R	On 21/12/2018	Any day expiry	14.75	Call	32.51450	0.03251	66.51910	0.06652	32.514	22.06	0.11	0.00	0	1,000.00
\$ / R	On 31/12/2018	Any day expiry			14.00210	14.00210	14.21490	14.21490		17.35	0.00	0.00	0	1,952.00
\$ / R	On 31/12/2018	Any day expiry	13.00	Put	13.47470	0.01347	8.59730	0.00860	13.475	17.81	0.05	0.00	0	500.00
\$ / R	On 31/12/2018	Any day expiry	13.80	Put	152.92360	0.15292	93.52190	0.09352	152.924	16.92	0.36	0.00	0	1,000.00
\$ / R	On 31/12/2018	Any day expiry	14.22	Call	167.00540	0.16701	261.54830	0.26155	167.005	18.13	0.38	0.00	0	500.00
\$ / R	On 31/12/2018	Any day expiry	14.25	Put	405.75980	0.40576	283.77660	0.28378	405.760	18.23	0.64	0.00	0	250.00
\$ / R	On 31/12/2018	Any day expiry	14.96	Put	995.92430	0.99592	813.63080	0.81363	995.924	20.54	0.89	0.00	0	250.00
\$ / R	On 31/12/2018	Any day expiry	16.93	Call	0.94480	0.00094	1.56350	0.00156	0.945	26.90	0.00	0.00	0	500.00
\$ / R	On 31/12/2018	Any day expiry	17.58	Call	1.11420	0.00111	1.39430	0.00139	1.114	32.12	0.00	0.00	0	500.00
\$ / R	On 02/01/2019	Any day expiry			14.00560	14.00560	14.21830	14.21830		17.22	0.00	0.00	0	55.00
\$ / R	On 03/01/2019	Any day expiry			14.00740	14.00740	14.21990	14.21990		17.20	0.00	0.00	0	0.00
\$ / R	On 03/01/2019	Any day expiry	13.57	Put	85.97420	0.08597	49.36530	0.04937	85.974	16.38	0.23	0.00	0	600.00
\$ / R	On 03/01/2019	Any day expiry	13.93	Call	299.15800	0.29916	434.91220	0.43491	299.158	17.06	0.56	0.00	0	600.00
\$ / R	On 03/01/2019	Any day expiry	14.35	Call	144.11930	0.14412	224.47950	0.22448	144.119	18.40	0.32	0.00	0	600.00
\$ / R	On 07/01/2019	Any day expiry			14.01430	14.01430	14.22670	14.22670		16.89	0.00	0.00	0	0.00
\$ / R	On 07/01/2019	Any day expiry	13.64	Put	116.08210	0.11608	69.97960	0.06998	116.082	16.29	0.28	0.00	0	250.00
\$ / R	On 07/01/2019	Any day expiry	14.12	Call	233.01050	0.23301	343.30030	0.34330	233.010	17.29	0.45	0.00	0	250.00
\$ / R	On 07/01/2019	Any day expiry	14.65	Call	95.60780	0.09561	149.90340	0.14990	95.608	19.04	0.22	0.00	0	250.00
\$ / R	On 15/01/2019	Any day expiry			14.02830	14.02830	14.24060	14.24060		17.07	0.00	0.00	0	150.00
\$ / R	On 15/01/2019	Any day expiry	13.86	Put	227.57590	0.22758	156.68360	0.15668	227.576	16.74	0.40	0.00	0	174.00
\$ / R	On 15/01/2019	Any day expiry	14.00	Call	324.69880	0.32470	451.76290	0.45176	324.699	16.98	0.53	0.00	0	174.00
\$ / R	On 16/01/2019	Any day expiry			14.03000	14.03000	14.24240	14.24240		17.12	0.00	0.00	0	20.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest	
\$ / R			On 18/01/2019	Any day expiry			14.03350	14.03350	14.24590	14.24590	17.20	0.00	0.00	0	0.00
\$ / R	12.66	Put	On 18/01/2019	Any day expiry	10.35340	0.01035	5.43380	0.00543	10.353	16.72	0.03	0.00	0	263.00	
\$ / R			On 25/01/2019	Any day expiry	14.04570	14.04570	14.25820	14.25820		17.19	0.00	0.00	0	51.00	
\$ / R			On 30/01/2019	Any day expiry	14.05450	14.05450	14.26700	14.26700		17.16	0.00	0.00	0	55.00	
\$ / R			On 31/01/2019	Any day expiry	14.05620	14.05620	14.26870	14.26870		17.18	0.00	5,552,288.00	392	1,655.00	
\$ / R	13.00	Put	On 31/01/2019	Any day expiry	39.04040	0.03904	23.80900	0.02381	39.040	15.71	0.09	0.00	0	500.00	
\$ / R	14.20	Put	On 31/01/2019	Any day expiry	460.87770	0.46088	355.89830	0.35590	460.878	17.59	0.55	0.00	0	250.00	
\$ / R	14.25	Put	On 31/01/2019	Any day expiry	492.92740	0.49293	382.63270	0.38263	492.927	17.72	0.57	0.00	0	250.00	
\$ / R	14.38	Call	On 31/01/2019	Any day expiry	256.77800	0.25678	348.04170	0.34804	256.778	18.08	0.39	0.00	0	500.00	
\$ / R	15.13	Call	On 31/01/2019	Any day expiry	104.65690	0.10466	148.38790	0.14839	104.657	20.05	0.18	0.00	0	250.00	
\$ / R	15.47	Call	On 31/01/2019	Any day expiry	69.69910	0.06970	99.74030	0.09974	69.699	20.90	0.13	0.00	0	250.00	
\$ / R			On 13/02/2019	Any day expiry	14.07890	14.07890	14.29160	14.29160		17.33	0.00	0.00	0	70.00	
\$ / R			On 15/02/2019	Any day expiry	14.08240	14.08240	14.29510	14.29510		17.37	0.00	0.00	0	6.00	
\$ / R			On 25/02/2019	Any day expiry	14.09970	14.09970	14.31270	14.31270		17.28	0.00	0.00	0	15.00	
\$ / R			On 28/02/2019	Any day expiry	14.10490	14.10490	14.31800	14.31800		17.33	0.00	0.00	0	5,025.00	
\$ / R	13.00	Put	On 28/02/2019	Any day expiry	73.43880	0.07344	52.34980	0.05235	73.439	15.87	0.13	0.00	0	500.00	
\$ / R	14.20	Put	On 28/02/2019	Any day expiry	521.78120	0.52178	422.13830	0.42214	521.781	17.56	0.52	0.00	0	250.00	
\$ / R	14.25	Put	On 28/02/2019	Any day expiry	552.71200	0.55271	448.78050	0.44878	552.712	17.68	0.53	0.00	0	250.00	
\$ / R	14.52	Call	On 28/02/2019	Any day expiry	317.82710	0.31783	408.04830	0.40805	317.827	18.30	0.39	0.00	0	500.00	
\$ / R	15.27	Call	On 28/02/2019	Any day expiry	159.46130	0.15946	210.30260	0.21030	159.461	20.03	0.22	0.00	0	250.00	
\$ / R	15.63	Call	On 28/02/2019	Any day expiry	114.85370	0.11485	153.43910	0.15344	114.854	20.81	0.16	0.00	0	250.00	
\$ / R			On 04/03/2019	Any day expiry	14.11180	14.11180	14.34800	14.34800		17.29	0.00	1,061,752.00	74	74.00	
\$ / R			On 05/03/2019	Any day expiry	14.11350	14.11350	14.32670	14.32670		17.31	0.00	0.00	0	80.00	
\$ / R			On 18/03/2019	Foreign Exchange Future	14.13610	14.13610	14.34990	14.34990		17.45	0.00	1,154,085,340.10	81,641	148,329.00	
\$ / R	10.33	Put	On 18/03/2019	Foreign Exchange Future	1.35130	0.00135	1.15900	0.00116	1.351	21.88	0.00	0.00	0	1,000.00	
\$ / R	11.74	Put	On 18/03/2019	Foreign Exchange Future	13.36820	0.01337	9.73640	0.00974	13.368	18.46	0.02	0.00	0	1,000.00	
\$ / R	12.47	Put	On 18/03/2019	Foreign Exchange Future	37.81540	0.03782	30.00130	0.03000	37.815	16.46	0.07	0.00	0	721.00	
\$ / R	12.51	Put	On 18/03/2019	Foreign Exchange Future	40.00430	0.04000	31.85090	0.03185	40.004	16.35	0.07	0.00	0	720.00	
\$ / R	12.80	Put	On 18/03/2019	Foreign Exchange Future	62.44900	0.06245	48.84820	0.04885	62.449	15.73	0.11	0.00	0	6,332.00	
\$ / R	12.90	Put	On 18/03/2019	Foreign Exchange Future	77.13810	0.07714	56.46520	0.05647	77.138	15.82	0.13	0.00	0	16,000.00	
\$ / R	12.92	Put	On 18/03/2019	Foreign Exchange Future	80.36140	0.08036	58.91790	0.05892	80.361	15.84	0.13	0.00	0	139,342.00	
\$ / R	13.00	Put	On 18/03/2019	Foreign Exchange Future	94.25040	0.09425	69.67150	0.06967	94.250	15.91	0.15	0.00	0	15,434.00	
\$ / R	13.05	Put	On 18/03/2019	Foreign Exchange Future	103.77500	0.10377	77.10180	0.07710	103.775	15.95	0.16	0.00	0	1,155.00	
\$ / R	13.12	Put	On 18/03/2019	Foreign Exchange Future	118.24930	0.11825	88.47590	0.08848	118.249	16.01	0.18	0.00	0	138,000.00	
\$ / R	13.15	Put	On 18/03/2019	Foreign Exchange Future	124.87170	0.12487	93.71130	0.09371	124.872	16.04	0.18	0.00	0	10,125.00	
\$ / R	13.25	Put	On 18/03/2019	Foreign Exchange Future	148.83840	0.14884	112.80020	0.11280	148.838	16.13	0.21	0.00	0	224,707.00	
\$ / R	13.33	Put	On 18/03/2019	Foreign Exchange Future	170.17320	0.17017	129.97030	0.12997	170.173	16.20	0.23	0.00	0	135,043.00	
\$ / R	13.36	Put	On 18/03/2019	Foreign Exchange Future	178.68330	0.17868	136.86160	0.13686	178.683	16.23	0.24	0.00	0	134,750.00	
\$ / R	13.40	Put	On 18/03/2019	Foreign Exchange Future	190.47310	0.19047	146.44360	0.14644	190.473	16.26	0.25	0.00	0	2,100.00	
\$ / R	13.46	Put	On 18/03/2019	Foreign Exchange Future	209.30830	0.20931	161.67970	0.16168	209.308	16.32	0.27	0.00	0	20,000.00	
\$ / R	13.50	Put	On 18/03/2019	Foreign Exchange Future	223.14790	0.22315	172.42260	0.17242	223.148	16.39	0.28	0.00	0	2,550.00	
\$ / R	13.55	Put	On 18/03/2019	Foreign Exchange Future	241.22310	0.24122	186.52300	0.18652	241.223	16.47	0.30	0.00	0	10,000.00	
\$ / R	13.60	Put	On 18/03/2019	Foreign Exchange Future	260.16810	0.26017	201.38480	0.20138	260.168	16.55	0.31	0.00	0	6,570.00	
\$ / R	13.62	Put	On 18/03/2019	Foreign Exchange Future	267.98920	0.26799	207.54270	0.20754	267.989	16.58	0.32	0.00	0	6,432.00	

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 18/03/2019	Foreign Exchange Future	13.68	Put	292.28560	0.29229	227.46520	0.22747	292.286	16.68	0.34	0.00	0	14,200.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.70	Put	300.66160	0.30066	234.59760	0.23460	300.662	16.72	0.34	0.00	0	2,500.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.72	Put	309.17320	0.30917	241.86260	0.24186	309.173	16.75	0.35	0.00	0	10,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.75	Put	322.20350	0.32220	253.01760	0.25302	322.203	16.80	0.36	0.00	0	17,981.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.79	Put	340.05840	0.34006	268.36220	0.26836	340.058	16.86	0.37	0.00	0	262,812.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.85	Put	367.86570	0.36787	292.39510	0.29240	367.866	16.96	0.39	0.00	0	1,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.86	Put	372.61900	0.37262	296.51650	0.29652	372.619	16.98	0.40	0.00	0	721.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.90	Put	391.96660	0.39197	313.34990	0.31335	391.967	17.04	0.41	0.00	0	720.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.00	Call	578.77440	0.57877	707.66960	0.70767	578.774	17.21	0.56	0.00	0	100.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.00	Put	442.67440	0.44267	357.76960	0.35777	442.674	17.21	0.44	0.00	0	22,406.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.04	Put	463.87550	0.46388	376.47060	0.37647	463.876	17.27	0.45	0.00	0	7,100.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.20	Call	490.59600	0.49060	606.36870	0.60637	490.596	17.56	0.50	0.00	0	2,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.25	Call	471.03940	0.47104	583.04040	0.58304	471.039	17.67	0.48	0.00	0	750.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.28	Put	603.56190	0.60356	499.51510	0.49952	603.562	17.73	0.52	0.00	0	7,028.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.30	Call	452.22330	0.45222	560.48720	0.56049	452.223	17.77	0.47	0.00	0	250.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.35	Put	648.02190	0.64802	538.79420	0.53879	648.022	17.88	0.54	0.00	0	139,342.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.42	Put	693.84930	0.69385	580.31790	0.58032	693.849	18.03	0.56	0.00	0	2,100.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.44	Put	707.18450	0.70718	592.44220	0.59244	707.184	18.07	0.57	0.00	0	7,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.45	Put	713.89180	0.71389	598.54900	0.59855	713.892	18.10	0.57	0.00	0	1,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.46	Call	396.72540	0.39673	494.58440	0.49458	396.725	18.12	0.42	0.00	0	6,332.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.48	Call	390.27370	0.39027	486.94030	0.48694	390.274	18.16	0.42	0.00	0	1,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.50	Call	383.92230	0.38392	479.40570	0.47941	383.922	18.20	0.41	0.00	0	224,707.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.50	Put	747.82230	0.74782	629.50570	0.62951	747.822	18.20	0.59	0.00	0	20,050.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.53	Put	768.48870	0.76849	648.41660	0.64842	768.489	18.27	0.59	0.00	0	108.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.56	Put	789.37970	0.78938	667.57100	0.66757	789.380	18.33	0.60	0.00	0	138,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.65	Put	853.35500	0.85335	726.47850	0.72648	853.355	18.52	0.62	0.00	0	10,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.74	Put	919.19650	0.91920	787.45490	0.78745	919.196	18.72	0.65	0.00	0	24,326.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.80	Call	300.17270	0.30017	379.10360	0.37910	300.173	18.85	0.34	0.00	0	2,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.81	Put	971.62450	0.97162	836.24470	0.83624	971.624	18.87	0.66	0.00	0	135,043.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.82	Put	979.19680	0.97920	843.30900	0.84331	979.197	18.89	0.66	0.00	0	4,145.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.83	Put	986.78950	0.98679	850.39630	0.85040	986.789	18.91	0.67	0.00	0	10,010.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.84	Put	994.40520	0.99441	857.50640	0.85751	994.405	18.93	0.67	0.00	0	134,750.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.00	Call	255.18900	0.25519	324.15000	0.32415	255.189	19.28	0.30	0.00	0	1,260.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.04	Put	1,150.99540	1.15100	1,004.27380	1.00427	1,150.995	19.37	0.71	0.00	0	63,500.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.10	Put	1,199.36320	1.19936	1,049.85890	1.04986	1,199.363	19.50	0.72	0.00	0	1,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.12	Put	1,215.61850	1.21562	1,065.20390	1.06520	1,215.619	19.55	0.73	0.00	0	99,824.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.13	Put	1,223.76900	1.22377	1,072.90320	1.07290	1,223.769	19.57	0.73	0.00	0	7,100.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.17	Call	222.63120	0.22263	283.79100	0.28379	222.631	19.66	0.26	0.00	0	720.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.19	Put	1,273.00650	1.27301	1,119.49390	1.11949	1,273.006	19.70	0.74	0.00	0	41,300.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.20	Put	1,281.26800	1.28127	1,127.32090	1.12732	1,281.268	19.72	0.74	0.00	0	2,500.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.22	Call	213.93130	0.21393	272.93030	0.27293	213.931	19.77	0.26	0.00	0	2,785.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.25	Call	208.88900	0.20889	266.62630	0.26663	208.889	19.83	0.25	0.00	0	1,500.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.32	Put	1,381.52360	1.38152	1,222.60280	1.22260	1,381.524	19.99	0.76	0.00	0	262,812.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.40	Call	185.56000	0.18556	237.33030	0.23733	185.560	20.16	0.23	0.00	0	2,000.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 18/03/2019	Foreign Exchange Future	15.45	Call	178.43610	0.17844	228.34620	0.22835	178.436	20.27	0.22	0.00	0	20,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.46	Call	177.04730	0.17705	226.59220	0.22659	177.047	20.30	0.22	0.00	0	108.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.50	Call	171.61570	0.17162	219.72480	0.21972	171.616	20.39	0.21	0.00	0	224,757.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.52	Call	168.96790	0.16897	216.37570	0.21638	168.968	20.43	0.21	0.00	0	1.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.54	Call	166.36790	0.16637	213.08190	0.21308	166.368	20.47	0.20	0.00	0	721.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.66	Call	150.80550	0.15081	194.43100	0.19443	150.805	20.69	0.19	0.00	0	139,342.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.81	Call	133.42170	0.13342	173.51360	0.17351	133.422	20.97	0.17	0.00	0	10.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.83	Call	131.26960	0.13127	170.77440	0.17077	131.270	21.00	0.17	0.00	0	135,043.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.89	Call	125.04010	0.12504	162.82820	0.16283	125.040	21.11	0.16	0.00	0	4,145.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.98	Call	116.28630	0.11629	151.63240	0.15163	116.286	21.27	0.15	0.00	0	2,100.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.00	Call	114.43320	0.11443	149.25640	0.14926	114.433	21.31	0.15	0.00	0	1,906.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.13	Call	103.14380	0.10314	134.75260	0.13475	103.144	21.54	0.13	0.00	0	138,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.30	Call	90.19160	0.09019	118.02450	0.11802	90.192	21.85	0.12	0.00	0	10,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.38	Call	84.72880	0.08473	110.94540	0.11095	84.729	22.00	0.11	0.00	0	134,750.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.58	Call	72.62280	0.07262	95.19450	0.09519	72.623	22.36	0.10	0.00	0	10,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.60	Call	71.52370	0.07152	93.75970	0.09376	71.524	22.39	0.10	0.00	0	50.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.96	Call	54.64650	0.05465	71.65150	0.07165	54.646	23.05	0.07	0.00	0	12,600.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.97	Call	54.24780	0.05425	71.12750	0.07113	54.248	23.06	0.07	0.00	0	63,500.00
\$ / R	On 18/03/2019	Foreign Exchange Future	17.02	Call	52.38340	0.05238	68.56950	0.06857	52.383	23.16	0.07	0.00	0	262,812.00
\$ / R	On 18/03/2019	Foreign Exchange Future	17.08	Call	50.38440	0.05038	65.63680	0.06564	50.384	23.29	0.07	0.00	0	7,028.00
\$ / R	On 18/03/2019	Foreign Exchange Future	17.09	Call	50.06080	0.05006	65.16120	0.06516	50.061	23.32	0.07	0.00	0	99,824.00
\$ / R	On 18/03/2019	Foreign Exchange Future	17.10	Call	49.73990	0.04974	64.69080	0.06469	49.740	23.34	0.07	0.00	0	2,500.00
\$ / R	On 18/03/2019	Foreign Exchange Future	17.23	Call	45.79600	0.04580	58.95280	0.05895	45.796	23.62	0.06	0.00	0	41,300.00
\$ / R	On 18/03/2019	Foreign Exchange Future	17.30	Call	43.83820	0.04384	56.18170	0.05618	43.838	23.78	0.06	0.00	0	10,125.00
\$ / R	On 18/03/2019	Foreign Exchange Future	17.50	Call	38.81260	0.03881	49.07690	0.04908	38.813	24.22	0.05	0.00	0	16,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	18.00	Call	29.19210	0.02919	35.54580	0.03555	29.192	25.32	0.04	0.00	0	14,200.00
\$ / R	On 18/03/2019	Foreign Exchange Future	18.40	Call	23.70480	0.02370	27.91080	0.02791	23.705	26.20	0.03	0.00	0	7,100.00
\$ / R	On 27/03/2019	Any day expiry			14.15170	14.15170	14.36620	14.36620		17.49	0.00	0.00	0	3,731.00
\$ / R	On 27/03/2019	Any day expiry	13.88	Put	398.37160	0.39837	320.72600	0.32073	398.372	17.05	0.40	0.00	0	32,000.00
\$ / R	On 27/03/2019	Any day expiry	14.00	Put	458.93020	0.45893	374.01660	0.37402	458.930	17.24	0.44	0.00	0	65,000.00
\$ / R	On 29/03/2019	Any day expiry			14.15520	14.15520	14.36980	14.36980		17.51	0.00	0.00	0	4,356.00
\$ / R	On 29/03/2019	Any day expiry	13.00	Put	106.88200	0.10688	80.63900	0.08064	106.882	15.95	0.16	0.00	0	500.00
\$ / R	On 29/03/2019	Any day expiry	14.20	Put	574.44370	0.57444	477.08720	0.47709	574.444	17.62	0.49	0.00	0	250.00
\$ / R	On 29/03/2019	Any day expiry	14.25	Put	604.65460	0.60465	503.73020	0.50373	604.655	17.72	0.51	0.00	0	250.00
\$ / R	On 29/03/2019	Any day expiry	14.67	Call	369.65320	0.36965	458.14220	0.45814	369.653	18.59	0.38	0.00	0	500.00
\$ / R	On 29/03/2019	Any day expiry	15.43	Call	209.42290	0.20942	263.09240	0.26309	209.423	20.21	0.24	0.00	0	250.00
\$ / R	On 29/03/2019	Any day expiry	15.79	Call	159.90430	0.15990	203.76980	0.20377	159.904	20.89	0.19	0.00	0	250.00
\$ / R	On 02/04/2019	Any day expiry			14.16220	14.16220	14.37700	14.37700		17.49	0.00	0.00	0	55.00
\$ / R	On 05/04/2019	Any day expiry			14.16740	14.16740	14.38240	14.38240		17.53	0.00	0.00	0	0.00
\$ / R	On 05/04/2019	Any day expiry	13.76	Put	357.74470	0.35774	286.20480	0.28620	357.745	16.89	0.36	0.00	0	100.00
\$ / R	On 05/04/2019	Any day expiry	14.35	Call	495.38570	0.49539	603.31750	0.60332	495.386	17.93	0.47	0.00	0	100.00
\$ / R	On 26/04/2019	Any day expiry			14.20390	14.20390	14.42030	14.42030		17.62	0.00	0.00	0	0.00
\$ / R	On 30/04/2019	Any day expiry			14.21080	14.21080	14.42750	14.42750		17.59	0.00	4,301,340.00	300	1,580.00
\$ / R	On 30/04/2019	Any day expiry	13.00	Put	139.36350	0.13936	109.70880	0.10971	139.364	15.95	0.17	0.00	0	3,000.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 30/04/2019	Any day expiry	13.49	Call	1,001.02100	1.00102	1,165.31870	1.16532	1,001.021	16.42	0.71	0.00	0	2,500.00
\$ / R	On 30/04/2019	Any day expiry	14.20	Put	620.44580	0.62045	524.00400	0.52400	620.446	17.59	0.48	0.00	0	250.00
\$ / R	On 30/04/2019	Any day expiry	14.25	Put	650.06180	0.65006	550.62530	0.55063	650.062	17.68	0.49	0.00	0	250.00
\$ / R	On 30/04/2019	Any day expiry	14.84	Call	414.38860	0.41439	500.90710	0.50091	414.389	18.79	0.38	0.00	0	500.00
\$ / R	On 30/04/2019	Any day expiry	15.61	Call	255.30660	0.25531	310.12290	0.31012	255.307	20.32	0.25	0.00	0	250.00
\$ / R	On 30/04/2019	Any day expiry	15.96	Call	203.48190	0.20348	250.69940	0.25070	203.482	20.88	0.21	0.00	0	250.00
\$ / R	On 31/05/2019	Any day expiry			14.26470	14.26470	14.48340	14.48340		17.68	0.00	9,356,035.00	650	875.00
\$ / R	On 31/05/2019	Any day expiry	13.00	Put	169.56730	0.16957	138.25810	0.13826	169.567	16.01	0.19	0.00	0	500.00
\$ / R	On 31/05/2019	Any day expiry	14.20	Put	659.68880	0.65969	563.77240	0.56377	659.689	17.60	0.46	0.00	0	250.00
\$ / R	On 31/05/2019	Any day expiry	14.25	Put	688.67180	0.68867	590.26530	0.59027	688.672	17.68	0.47	0.00	0	250.00
\$ / R	On 31/05/2019	Any day expiry	15.01	Call	451.65170	0.45165	536.36630	0.53637	451.652	19.00	0.37	0.00	0	500.00
\$ / R	On 31/05/2019	Any day expiry	15.79	Call	292.77440	0.29277	350.23370	0.35023	292.774	20.40	0.26	0.00	0	250.00
\$ / R	On 31/05/2019	Any day expiry	16.15	Call	238.70640	0.23871	287.72070	0.28772	238.706	20.93	0.22	0.00	0	250.00
\$ / R	On 03/06/2019	Any day expiry			14.26990	14.26990	14.48880	14.48880		17.65	0.00	0.00	0	0.00
\$ / R	On 04/06/2019	Any day expiry			14.27160	14.27160	14.51100	14.51100		17.66	0.00	1,073,814.00	74	74.00
\$ / R	On 14/06/2019	Foreign Exchange Future			14.28920	14.28920	14.50880	14.50880		17.77	0.00	571,568.00	40	22,348.00
\$ / R	On 14/06/2019	Foreign Exchange Future	10.69	Put	7.48960	0.00749	6.05610	0.00606	7.490	18.18	0.01	0.00	0	1,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	12.28	Put	65.50030	0.06550	49.50330	0.04950	65.500	15.90	0.08	0.00	0	1,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	12.75	Put	129.21010	0.12921	105.15180	0.10515	129.210	15.89	0.15	0.00	0	1,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	12.98	Put	177.38970	0.17739	145.27130	0.14527	177.390	16.01	0.19	0.00	0	911.00
\$ / R	On 14/06/2019	Foreign Exchange Future	13.00	Put	182.34560	0.18235	149.21990	0.14922	182.346	16.03	0.19	0.00	0	8,203.00
\$ / R	On 14/06/2019	Foreign Exchange Future	13.24	Put	249.20500	0.24921	205.55400	0.20555	249.205	16.26	0.24	0.00	0	30,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	13.83	Put	480.14030	0.48014	403.03990	0.40304	480.140	16.99	0.37	0.00	0	25,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	13.88	Put	504.58610	0.50459	424.92200	0.42492	504.586	17.08	0.38	0.00	0	5,035.00
\$ / R	On 14/06/2019	Foreign Exchange Future	13.98	Call	864.56960	0.86457	999.40300	0.99940	864.570	17.24	0.59	0.00	0	1,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	14.42	Call	676.42100	0.67642	789.41630	0.78942	676.421	17.97	0.50	0.00	0	30.00
\$ / R	On 14/06/2019	Foreign Exchange Future	14.58	Call	618.64720	0.61865	724.13320	0.72413	618.647	18.24	0.47	0.00	0	1,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	14.63	Put	942.44860	0.94245	826.07240	0.82607	942.449	18.32	0.54	0.00	0	8,203.00
\$ / R	On 14/06/2019	Foreign Exchange Future	14.82	Call	541.34830	0.54135	636.29620	0.63630	541.348	18.64	0.42	0.00	0	30,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	15.10	Call	464.36950	0.46437	547.56760	0.54757	464.369	19.12	0.37	0.00	0	1,500.00
\$ / R	On 14/06/2019	Foreign Exchange Future	15.62	Call	353.08750	0.35309	417.39270	0.41739	353.088	20.05	0.29	0.00	0	5,035.00
\$ / R	On 14/06/2019	Foreign Exchange Future	15.80	Call	321.46870	0.32147	380.96090	0.38096	321.469	20.36	0.27	0.00	0	1,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	15.92	Call	301.19600	0.30120	358.73400	0.35873	301.196	20.53	0.26	0.00	0	911.00
\$ / R	On 14/06/2019	Foreign Exchange Future	16.00	Call	288.46830	0.28847	344.08530	0.34409	288.468	20.64	0.25	0.00	0	20.00
\$ / R	On 14/06/2019	Foreign Exchange Future	17.96	Call	121.11500	0.12111	137.48580	0.13749	121.115	24.09	0.11	0.00	0	8,203.00
\$ / R	On 20/06/2019	Any day expiry			14.30000	14.30000	14.51980	14.51980		17.76	0.00	0.00	0	0.00
\$ / R	On 20/06/2019	Any day expiry	14.72	Put	1,008.05900	1.00806	887.95490	0.88795	1,008.059	18.45	0.56	0.00	0	20,000.00
\$ / R	On 20/06/2019	Any day expiry	17.22	Call	164.06100	0.16406	192.68100	0.19268	164.061	22.40	0.15	0.00	0	20,000.00
\$ / R	On 28/06/2019	Any day expiry			14.31440	14.31440	14.53440	14.53440		17.77	0.00	4,838,606.00	335	505.00
\$ / R	On 28/06/2019	Any day expiry	13.00	Put	194.00300	0.19400	159.11700	0.15912	194.003	16.03	0.19	0.00	0	500.00
\$ / R	On 28/06/2019	Any day expiry	14.20	Put	690.61180	0.69061	594.24030	0.59424	690.612	17.61	0.45	0.00	0	250.00
\$ / R	On 28/06/2019	Any day expiry	14.25	Put	719.45400	0.71945	620.68260	0.62068	719.454	17.69	0.46	0.00	0	250.00
\$ / R	On 28/06/2019	Any day expiry	15.17	Call	482.09470	0.48209	564.08340	0.56408	482.095	19.21	0.37	0.00	0	500.00
\$ / R	On 28/06/2019	Any day expiry	15.96	Call	323.78760	0.32379	382.60020	0.38260	323.788	20.52	0.26	0.00	0	250.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 28/06/2019	Any day expiry	16.32	Call	269.82370	0.26982	319.30470	0.31930	269.824	21.03	0.22	0.00	0	250.00
\$ / R	On 01/07/2019	Any day expiry			14.31980	14.31980	14.53990	14.53990		17.75	0.00	0.00	0	55.00
\$ / R	On 03/07/2019	Any day expiry			14.32340	14.32340	14.54360	14.54360		17.77	0.00	0.00	0	0.00
\$ / R	On 03/07/2019	Any day expiry	13.45	Put	337.83090	0.33783	283.02030	0.28302	337.831	16.47	0.29	0.00	0	39,250.00
\$ / R	On 03/07/2019	Any day expiry	16.44	Call	263.17590	0.26318	310.37610	0.31038	263.176	21.17	0.22	0.00	0	39,250.00
\$ / R	On 31/07/2019	Any day expiry			14.37380	14.37380	14.59490	14.59490		17.84	0.00	0.00	0	0.00
\$ / R	On 31/07/2019	Any day expiry	13.00	Put	220.34670	0.22035	179.55690	0.17956	220.347	16.06	0.20	0.00	0	500.00
\$ / R	On 31/07/2019	Any day expiry	14.20	Put	721.92470	0.72192	624.94580	0.62495	721.925	17.60	0.44	0.00	0	250.00
\$ / R	On 31/07/2019	Any day expiry	14.25	Put	750.61840	0.75062	651.34510	0.65135	750.618	17.68	0.45	0.00	0	250.00
\$ / R	On 31/07/2019	Any day expiry	15.34	Call	519.57370	0.51957	598.78020	0.59878	519.574	19.40	0.37	0.00	0	500.00
\$ / R	On 31/07/2019	Any day expiry	16.14	Call	360.92300	0.36092	419.71870	0.41972	360.923	20.62	0.27	0.00	0	250.00
\$ / R	On 31/07/2019	Any day expiry	16.50	Call	306.93270	0.30693	356.64460	0.35664	306.933	21.12	0.23	0.00	0	250.00
\$ / R	On 01/08/2019	Any day expiry			14.37560	14.37560	14.59670	14.59670		17.92	0.00	0.00	0	55.00
\$ / R	On 13/08/2019	Any day expiry			14.39730	14.39730	14.61870	14.61870		17.90	0.00	0.00	0	0.00
\$ / R	On 13/08/2019	Any day expiry	14.48	Put	898.65960	0.89866	790.09470	0.79009	898.660	18.02	0.49	0.00	0	3,147.00
\$ / R	On 13/08/2019	Any day expiry	16.35	Call	352.28590	0.35229	407.14580	0.40715	352.286	20.84	0.26	0.00	0	3,147.00
\$ / R	On 30/08/2019	Any day expiry			14.42790	14.42790	14.64980	14.64980		17.98	0.00	0.00	0	0.00
\$ / R	On 30/08/2019	Any day expiry	13.00	Put	243.51880	0.24352	196.94600	0.19695	243.519	16.11	0.20	0.00	0	500.00
\$ / R	On 30/08/2019	Any day expiry	14.20	Put	746.83190	0.74683	650.20040	0.65020	746.832	17.58	0.43	0.00	0	250.00
\$ / R	On 30/08/2019	Any day expiry	14.25	Put	775.41590	0.77542	676.55010	0.67655	775.416	17.66	0.44	0.00	0	250.00
\$ / R	On 30/08/2019	Any day expiry	15.52	Call	545.53410	0.54553	622.18860	0.62219	545.534	19.60	0.36	0.00	0	500.00
\$ / R	On 30/08/2019	Any day expiry	16.33	Call	388.57200	0.38857	445.86400	0.44586	388.572	20.76	0.27	0.00	0	250.00
\$ / R	On 30/08/2019	Any day expiry	16.70	Call	333.84480	0.33384	382.80710	0.38281	333.845	21.25	0.24	0.00	0	250.00
\$ / R	On 02/09/2019	Any day expiry			14.43330	14.43330	14.65530	14.65530		17.96	0.00	0.00	0	55.00
\$ / R	On 04/09/2019	Any day expiry			14.43690	14.43690	14.67550	14.67550		17.98	0.00	1,085,987.00	74	74.00
\$ / R	On 05/09/2019	Any day expiry			14.43870	14.43870	14.66080	14.66080		17.98	0.00	0.00	0	0.00
\$ / R	On 05/09/2019	Any day expiry	19.00	Call	169.32030	0.16932	194.83290	0.19483	169.320	24.90	0.12	0.00	0	20,000.00
\$ / R	On 16/09/2019	Foreign Exchange Future			14.45850	14.45850	14.68130	14.68130		17.96	0.00	0.00	0	14,094.00
\$ / R	On 16/09/2019	Foreign Exchange Future	10.75	Put	12.62830	0.01263	11.44290	0.01144	12.628	16.28	0.02	0.00	0	1,000.00
\$ / R	On 16/09/2019	Foreign Exchange Future	12.50	Put	127.97290	0.12797	92.08050	0.09208	127.973	15.26	0.13	0.00	0	1,000.00
\$ / R	On 16/09/2019	Foreign Exchange Future	13.25	Put	332.39710	0.33240	280.36340	0.28036	332.397	16.35	0.25	0.00	0	3,900.00
\$ / R	On 16/09/2019	Foreign Exchange Future	13.91	Put	604.20830	0.60421	520.85920	0.52086	604.208	17.09	0.37	0.00	0	81,930.00
\$ / R	On 16/09/2019	Foreign Exchange Future	13.97	Put	634.92230	0.63492	547.71270	0.54771	634.922	17.18	0.38	0.00	0	800.00
\$ / R	On 16/09/2019	Foreign Exchange Future	14.09	Put	698.60000	0.69860	606.00380	0.60600	698.600	17.38	0.40	0.00	0	33,715.00
\$ / R	On 16/09/2019	Foreign Exchange Future	14.21	Put	765.19480	0.76519	667.29090	0.66729	765.195	17.57	0.42	0.00	0	2,700.00
\$ / R	On 16/09/2019	Foreign Exchange Future	14.33	Put	834.59790	0.83460	731.48810	0.73149	834.598	17.77	0.45	0.00	0	33,151.00
\$ / R	On 16/09/2019	Foreign Exchange Future	15.38	Put	1,537.72690	1.53773	1,397.92930	1.39793	1,537.727	19.32	0.61	0.00	0	5,000.00
\$ / R	On 16/09/2019	Foreign Exchange Future	15.56	Put	1,674.15780	1.67416	1,528.76900	1.52877	1,674.158	19.59	0.63	0.00	0	2,571.00
\$ / R	On 16/09/2019	Foreign Exchange Future	15.87	Call	506.02750	0.50603	574.93030	0.57493	506.028	20.06	0.33	0.00	0	1,000.00
\$ / R	On 16/09/2019	Foreign Exchange Future	17.23	Call	297.45320	0.29745	338.21960	0.33822	297.453	21.84	0.21	0.00	0	800.00
\$ / R	On 16/09/2019	Foreign Exchange Future	17.64	Call	262.77940	0.26278	290.87100	0.29087	262.779	22.56	0.18	0.00	0	5,000.00
\$ / R	On 16/09/2019	Foreign Exchange Future	17.85	Call	248.71790	0.24872	273.97980	0.27398	248.718	22.96	0.17	0.00	0	2,700.00
\$ / R	On 16/09/2019	Foreign Exchange Future	17.93	Call	243.72400	0.24372	268.05640	0.26806	243.724	23.12	0.17	0.00	0	2,571.00
\$ / R	On 16/09/2019	Foreign Exchange Future	18.29	Call	223.44510	0.22345	243.97170	0.24397	223.445	23.81	0.15	0.00	0	81,930.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 16/09/2019	Foreign Exchange Future	18.47	Call	214.51260	0.21451	233.35270	0.23335	214.513	24.16	0.15	0.00	0	1,200.00
\$ / R	On 16/09/2019	Foreign Exchange Future	18.63	Call	207.16990	0.20717	224.61440	0.22461	207.170	24.46	0.14	0.00	0	33,715.00
\$ / R	On 16/09/2019	Foreign Exchange Future	19.32	Call	155.84200	0.15584	182.44490	0.18244	155.842	24.79	0.11	0.00	0	33,151.00
\$ / R	On 30/09/2019	Any day expiry			14.48380	14.48380	14.70770	14.70770		18.02	0.00	0.00	0	0.00
\$ / R	On 30/09/2019	Any day expiry	13.00	Put	263.18260	0.26318	210.32470	0.21032	263.183	16.09	0.21	0.00	0	500.00
\$ / R	On 30/09/2019	Any day expiry	14.20	Put	769.59680	0.76960	672.25600	0.67226	769.597	17.54	0.42	0.00	0	250.00
\$ / R	On 30/09/2019	Any day expiry	14.25	Put	798.00430	0.79800	698.51570	0.69852	798.004	17.62	0.43	0.00	0	250.00
\$ / R	On 30/09/2019	Any day expiry	15.68	Call	575.26700	0.57527	650.99830	0.65100	575.267	19.72	0.36	0.00	0	500.00
\$ / R	On 30/09/2019	Any day expiry	16.50	Call	418.54200	0.41854	475.67510	0.47568	418.542	20.83	0.27	0.00	0	250.00
\$ / R	On 30/09/2019	Any day expiry	16.89	Call	361.62830	0.36163	410.50230	0.41050	361.628	21.33	0.24	0.00	0	250.00
\$ / R	On 02/10/2019	Any day expiry			14.48740	14.48740	14.71140	14.71140		18.03	0.00	0.00	0	55.00
\$ / R	On 31/10/2019	Any day expiry			14.53980	14.53980	14.76610	14.76610		18.08	0.00	0.00	0	55.00
\$ / R	On 31/10/2019	Any day expiry	13.00	Put	280.38080	0.28038	222.27340	0.22227	280.381	16.04	0.21	0.00	0	500.00
\$ / R	On 31/10/2019	Any day expiry	14.20	Put	791.53970	0.79154	693.22980	0.69323	791.540	17.54	0.41	0.00	0	250.00
\$ / R	On 31/10/2019	Any day expiry	14.25	Put	819.75600	0.81976	719.39400	0.71939	819.756	17.61	0.42	0.00	0	250.00
\$ / R	On 31/10/2019	Any day expiry	15.87	Call	598.10100	0.59810	672.27630	0.67228	598.101	19.90	0.36	0.00	0	500.00
\$ / R	On 31/10/2019	Any day expiry	16.70	Call	443.67500	0.44367	500.24170	0.50024	443.675	20.97	0.28	0.00	0	250.00
\$ / R	On 31/10/2019	Any day expiry	17.09	Call	388.09850	0.38810	436.83400	0.43683	388.098	21.46	0.24	0.00	0	250.00
\$ / R	On 29/11/2019	Any day expiry			14.59220	14.59220	14.82080	14.82080		18.12	0.00	0.00	0	0.00
\$ / R	On 29/11/2019	Any day expiry	13.00	Put	293.20710	0.29321	238.80600	0.23881	293.207	15.95	0.21	0.00	0	500.00
\$ / R	On 29/11/2019	Any day expiry	14.20	Put	809.79530	0.80980	710.95450	0.71095	809.795	17.52	0.40	0.00	0	250.00
\$ / R	On 29/11/2019	Any day expiry	14.25	Put	837.85690	0.83786	737.01170	0.73701	837.857	17.59	0.41	0.00	0	250.00
\$ / R	On 29/11/2019	Any day expiry	16.03	Call	621.96640	0.62197	695.13040	0.69513	621.966	20.03	0.35	0.00	0	500.00
\$ / R	On 29/11/2019	Any day expiry	16.87	Call	468.70990	0.46871	524.72380	0.52472	468.710	21.07	0.28	0.00	0	250.00
\$ / R	On 29/11/2019	Any day expiry	17.26	Call	413.97070	0.41397	462.62850	0.46263	413.971	21.55	0.25	0.00	0	250.00
\$ / R	On 02/12/2019	Any day expiry			14.59760	14.59760	14.82640	14.82640		18.11	0.00	0.00	0	55.00
\$ / R	On 04/12/2019	Any day expiry			14.60120	14.60120	14.84300	14.84300		18.12	0.00	4,764,603.00	321	321.00
\$ / R	On 13/12/2019	Foreign Exchange Future			14.61790	14.61790	14.84740	14.84740		18.12	0.00	1,461,790.00	100	9,900.00
\$ / R	On 13/12/2019	Foreign Exchange Future	11.89	Put	40.92740	0.04093	35.87220	0.03587	40.927	12.90	0.05	0.00	0	1,000.00
\$ / R	On 13/12/2019	Foreign Exchange Future	13.66	Put	551.75950	0.55176	479.85670	0.47986	551.759	16.82	0.31	0.00	0	1,000.00
\$ / R	On 13/12/2019	Foreign Exchange Future	17.38	Call	422.37180	0.42237	470.39440	0.47039	422.372	21.66	0.25	0.00	0	1,000.00
\$ / R	On 13/12/2019	Foreign Exchange Future	20.00	Call	200.98790	0.20099	230.76270	0.23076	200.988	24.40	0.12	0.00	0	2,000.00
\$ / R	On 31/12/2019	Any day expiry			14.65430	14.65430	14.88290	14.88290		18.21	0.00	0.00	0	0.00
\$ / R	On 31/12/2019	Any day expiry	13.00	Put	307.37840	0.30738	253.84740	0.25385	307.378	15.91	0.21	0.00	0	500.00
\$ / R	On 31/12/2019	Any day expiry	14.20	Put	828.46610	0.82847	732.02190	0.73202	828.466	17.53	0.40	0.00	0	250.00
\$ / R	On 31/12/2019	Any day expiry	14.25	Put	856.42780	0.85643	757.97220	0.75797	856.428	17.60	0.40	0.00	0	250.00
\$ / R	On 31/12/2019	Any day expiry	16.21	Call	650.25670	0.65026	723.80800	0.72381	650.257	20.20	0.35	0.00	0	500.00
\$ / R	On 31/12/2019	Any day expiry	17.05	Call	500.39030	0.50039	556.48640	0.55649	500.390	21.22	0.28	0.00	0	250.00
\$ / R	On 31/12/2019	Any day expiry	17.44	Call	446.21380	0.44621	495.04230	0.49504	446.214	21.69	0.25	0.00	0	250.00
\$ / R	On 02/01/2020	Any day expiry			14.65830	14.65830	14.88690	14.88690		18.22	0.00	0.00	0	55.00
\$ / R	On 31/01/2020	Any day expiry			14.71690	14.71690	14.94400	14.94400		18.32	0.00	0.00	0	55.00
\$ / R	On 02/03/2020	Any day expiry			14.77960	14.77960	15.00510	15.00510		18.46	0.00	0.00	0	55.00
\$ / R	On 16/03/2020	Foreign Exchange Future			14.80790	14.80790	15.03270	15.03270		18.47	0.00	0.00	0	3,966.00
\$ / R	On 02/04/2020	Any day expiry			14.84220	14.84220	15.06630	15.06630		18.54	0.00	0.00	0	55.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 29/04/2020	Any day expiry		14.89680	14.89680		15.11950	15.11950		18.60	0.00	0.00	0	55.00
\$ / R	On 02/06/2020	Any day expiry		14.96550	14.96550		15.18650	15.18650		18.66	0.00	0.00	0	1,055.00
\$ / R	On 12/06/2020	Foreign Exchange Future		14.98570	14.98570		15.20620	15.20620		18.71	0.00	0.00	0	0.00
\$ / R	On 28/07/2020	Any day expiry		15.07870	15.07870		15.29690	15.29690		18.81	0.00	0.00	0	84,000.00
\$ / R	On 14/09/2020	Foreign Exchange Future		15.17570	15.17570		15.39150	15.39150		18.88	0.00	0.00	0	0.00
\$ / R MAXI	On 14/12/2018	Foreign Exchange Future		13.97430	13.97430		14.18620	14.18620		18.90	0.00	531,023.40	38	461.00
\$ / R MAXI	On 18/03/2019	Foreign Exchange Future		14.13610	14.13610		14.34990	14.34990		17.45	0.00	0.00	0	10.00
\$ / R MAXI	On 14/06/2019	Foreign Exchange Future		14.28920	14.28920		14.50880	14.50880		17.77	0.00	0.00	0	0.00
\$ / R MAXI	On 16/09/2019	Foreign Exchange Future		14.45850	14.45850		14.68130	14.68130		17.96	0.00	0.00	0	0.00
\$ / R MAXI	On 13/12/2019	Foreign Exchange Future		14.61790	14.61790		14.84740	14.84740		18.12	0.00	0.00	0	0.00
\$ / R MAXI	On 16/03/2020	Foreign Exchange Future		14.80790	14.80790		15.03270	15.03270		18.47	0.00	0.00	0	0.00
£ / R	On 14/12/2018	Foreign Exchange Future		17.82560	17.82560		18.13740	18.13740		18.86	0.00	478,973,872.00	26,870	391,738.00
£ / R	On 14/12/2018	Foreign Exchange Future	19.30	Call	3.80020	0.00380	10.86780	0.01087	3.800	26.63	0.02	0.00	0	200.00
£ / R	On 31/01/2019	Any day expiry		17.97950	17.97950		18.29320	18.29320		17.28	0.00	0.00	0	27.00
£ / R	On 28/02/2019	Any day expiry		18.06550	18.06550		18.38060	18.38060		17.42	0.00	0.00	0	47.00
£ / R	On 18/03/2019	Foreign Exchange Future		18.12110	18.12110		18.43760	18.43760		17.40	0.00	470,786,178.00	25,980	37,928.00
£ / R	On 18/03/2019	Foreign Exchange Future	18.00	Put	600.42960	0.60043	465.02730	0.46503	600.430	17.40	0.45	0.00	0	500.00
£ / R	On 18/03/2019	Foreign Exchange Future	19.00	Call	350.18090	0.35018	455.22110	0.45522	350.181	18.09	0.33	0.00	0	2,500.00
£ / R	On 18/03/2019	Foreign Exchange Future	19.19	Put	1,373.32390	1.37332	1,149.37430	1.14937	1,373.324	18.29	0.71	0.00	0	1,000.00
£ / R	On 18/03/2019	Foreign Exchange Future	20.00	Call	165.25210	0.16525	219.67600	0.21968	165.252	19.12	0.18	0.00	0	500.00
£ / R	On 18/03/2019	Foreign Exchange Future	20.18	Call	143.45670	0.14346	192.28650	0.19229	143.457	19.28	0.16	0.00	0	1,500.00
£ / R	On 18/03/2019	Foreign Exchange Future	21.44	Call	52.86290	0.05286	72.66490	0.07266	52.863	20.39	0.06	0.00	0	500.00
£ / R	On 29/03/2019	Any day expiry		18.15570	18.15570		18.47320	18.47320		17.44	0.00	0.00	0	80.00
£ / R	On 14/06/2019	Foreign Exchange Future		18.39610	18.39610		18.72120	18.72120		17.41	0.00	0.00	0	5,539.00
£ / R	On 16/09/2019	Foreign Exchange Future		18.69960	18.69960		19.02990	19.02990		17.85	0.00	1,495,968.00	80	13,225.00
£ / R	On 13/12/2019	Foreign Exchange Future		18.98560	18.98560		19.32560	19.32560		18.13	0.00	0.00	0	247.00
£ / R	On 16/03/2020	Foreign Exchange Future		19.31820	19.31820		19.65320	19.65320		18.68	0.00	0.00	0	0.00
¥ / R	On 14/12/2018	Foreign Exchange Future		0.12389	0.12389		0.12632	0.12632		18.34	0.00	0.00	0	6,905.00
¥ / R	On 18/03/2019	Foreign Exchange Future		0.12640	0.12640		0.12889	0.12889		22.54	0.00	0.00	0	0.00
¥ / R	On 14/06/2019	Foreign Exchange Future		0.12873	0.12873		0.13129	0.13129		22.25	0.00	0.00	0	0.00
¥ / R	On 16/09/2019	Foreign Exchange Future		0.13134	0.13134		0.13395	0.13395		22.04	0.00	0.00	0	0.00
¥ / R	On 13/12/2019	Foreign Exchange Future		0.13383	0.13383		0.13651	0.13651		22.09	0.00	0.00	0	0.00
¥ / R	On 16/03/2020	Foreign Exchange Future		0.14021	0.14021		0.14279	0.14279		22.35	0.00	0.00	0	0.00
€ / R	On 14/12/2018	Foreign Exchange Future		15.91690	15.91690		16.16990	16.16990		18.09	0.00	563,028,503.70	35,373	97,964.00
€ / R	On 21/12/2018	Any day expiry		15.93730	15.93730		16.19190	16.19190		17.47	0.00	0.00	0	0.00
€ / R	On 21/12/2018	Any day expiry	15.83	Put	167.00110	0.16700	80.58670	0.08059	167.001	17.44	0.41	0.00	0	32,000.00
€ / R	On 03/01/2019	Any day expiry		15.98720	15.98720		16.23040	16.23040		15.51	0.00	0.00	0	0.00
€ / R	On 03/01/2019	Any day expiry	15.85	Put	199.01580	0.19902	118.88760	0.11889	199.016	15.17	0.41	0.00	0	13,000.00
€ / R	On 28/02/2019	Any day expiry		16.17700	16.17700		16.43350	16.43350		15.98	0.00	0.00	0	26.00
€ / R	On 18/03/2019	Foreign Exchange Future		16.23780	16.23780		16.49550	16.49550		16.09	0.00	556,972,777.80	34,301	71,868.00

Contract Details			Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
€ / R	On 18/03/2019	Foreign Exchange Future	16.00	Call	660.12720	0.66013		817.95440	0.81795	660.127	15.76	0.59	0.00	0	650.00	
€ / R	On 29/03/2019	Any day expiry			16.22790	16.22790		16.48500	16.48500		16.13	0.00	0.00	0	53.00	
€ / R	On 14/06/2019	Foreign Exchange Future			16.54070	16.54070		16.80680	16.80680		16.50	0.00	0.00	0	5,042.00	
€ / R	On 14/08/2019	Any day expiry			16.75910	16.75910		17.02840	17.02840		16.62	0.00	0.00	0	0.00	
€ / R	On 14/08/2019	Any day expiry	17.01	Put	1,075.34360	1.07534		933.57050	0.93357	1,075.344	16.96	0.51	0.00	0	16,200.00	
€ / R	On 14/08/2019	Any day expiry	19.65	Call	283.91800	0.28392		330.26130	0.33026	283.918	20.40	0.20	0.00	0	62,400.00	
€ / R	On 16/09/2019	Foreign Exchange Future			16.87840	16.87840		17.14930	17.14930		16.71	0.00	0.00	0	8,596.00	
€ / R	On 16/09/2019	Foreign Exchange Future	18.60	Call	509.23120	0.50923		585.90120	0.58590	509.231	18.89	0.31	0.00	0	55,000.00	
€ / R	On 13/12/2019	Foreign Exchange Future			17.19720	17.19720		17.47650	17.47650		16.84	0.00	0.00	0	277.00	
€ / R	On 13/12/2019	Foreign Exchange Future	13.73	Put	73.46730	0.07347		67.57890	0.06758	73.467	15.18	0.06	0.00	0	17,150.00	
€ / R	On 13/12/2019	Foreign Exchange Future	16.15	Put	602.42890	0.60243		519.20170	0.51920	602.429	15.58	0.32	0.00	0	17,150.00	
€ / R	On 13/12/2019	Foreign Exchange Future	20.62	Call	413.85990	0.41386		467.01170	0.46701	413.860	20.67	0.22	0.00	0	17,150.00	
€ / R	On 16/03/2020	Foreign Exchange Future			17.50420	17.50420		17.77990	17.77990		17.13	0.00	0.00	0	0.00	
5Y STND	On 21/12/2021	Interest Rate Swap			97.55000	97.55000		97.59000	97.59000			0.00	0.00	0	51.00	
AL37	On 07/02/2019	Index Future			607.32100	607.32100		606.57900	606.57900			0.00	0.00	0	0.00	
AL37	On 02/05/2019	Index Future			617.99100	617.99100		617.23900	617.23900			0.00	0.00	0	0.00	
AL37	On 01/08/2019	Index Future			630.20500	630.20500		629.45300	629.45300			0.00	0.00	0	0.00	
AL7T	On 07/02/2019	Index Future			698.76900	698.76900		697.74300	697.74300			0.00	0.00	0	0.00	
AL7T	On 02/05/2019	Index Future			711.04500	711.04500		710.00500	710.00500			0.00	0.00	0	0.00	
AL7T	On 01/08/2019	Index Future			725.09900	725.09900		724.05400	724.05400			0.00	0.00	0	0.00	
ALBI	On 07/02/2019	Index Future			631.95000	631.95000		631.39800	631.39800			0.00	0.00	0	910.00	
ALBI	On 02/05/2019	Index Future			643.05300	643.05300		642.49500	642.49500			0.00	0.00	0	0.00	
ALBI	On 01/08/2019	Index Future			655.76200	655.76200		655.20800	655.20800			0.00	0.00	0	0.00	
AU\$ / R	On 14/12/2018	Foreign Exchange Future			10.11040	10.11040		10.24590	10.24590		14.81	0.00	2,952,236.80	292	19,989.00	
AU\$ / R	On 18/03/2019	Foreign Exchange Future			10.24420	10.24420		10.38150	10.38150		13.47	0.00	0.00	0	368.00	
AU\$ / R	On 14/06/2019	Foreign Exchange Future			10.37180	10.37180		10.51340	10.51340		13.62	0.00	0.00	0	4,934.00	
AU\$ / R	On 16/09/2019	Foreign Exchange Future			10.51430	10.51430		10.65900	10.65900		13.93	0.00	0.00	0	0.00	
AU\$ / R	On 13/12/2019	Foreign Exchange Future			10.64970	10.64970		10.79780	10.79780		14.16	0.00	0.00	0	400.00	
AU\$ / R	On 13/12/2019	Foreign Exchange Future	11.00	Call	478.26480	0.47826		540.26010	0.54026	478.265	14.67	0.44	0.00	0	1,000.00	
AU\$ / R	On 16/03/2020	Foreign Exchange Future			10.81030	10.81030		10.95430	10.95430		14.69	0.00	0.00	0	0.00	
CAD/ R	On 14/12/2018	Foreign Exchange Future			10.53460	10.53460		10.57690	10.57690		16.24	0.00	0.00	0	850.00	
CAD/ R	On 18/03/2019	Foreign Exchange Future			10.68080	10.68080		10.72230	10.72230		14.55	0.00	0.00	0	150.00	
CAD/ R	On 14/06/2019	Foreign Exchange Future			10.81630	10.81630		10.86030	10.86030		14.73	0.00	0.00	0	0.00	
CAD/ R	On 16/09/2019	Foreign Exchange Future			10.83540	10.83540		10.87880	10.87880		14.97	0.00	0.00	0	250.00	
CAD/ R	On 13/12/2019	Foreign Exchange Future			10.98140	10.98140		11.02450	11.02450		15.27	0.00	0.00	0	0.00	
CAD/ R	On 16/03/2020	Foreign Exchange Future			11.12100	11.12100		11.16750	11.16750		15.62	0.00	0.00	0	0.00	
CF CANDO CAHF	On 18/03/2019	Can-Do Future			129.59000	129.59000		185.65000	185.65000			0.00	0.00	0	0.00	

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
CHF / R	On 14/12/2018	Foreign Exchange Future	14.08550	14.08550	14.31950	14.31950				21.00	0.00	0.00	0	1,066.00
CHF / R	On 18/03/2019	Foreign Exchange Future	14.38630	14.38630	14.62470	14.62470				16.97	0.00	0.00	0	0.00
CHF / R	On 14/06/2019	Foreign Exchange Future	14.66880	14.66880	14.91600	14.91600				17.38	0.00	0.00	0	150.00
CHF / R	On 16/09/2019	Foreign Exchange Future	14.98460	14.98460	15.23440	15.23440				17.83	0.00	0.00	0	0.00
CHF / R	On 13/12/2019	Foreign Exchange Future	15.28460	15.28460	15.54090	15.54090				18.08	0.00	0.00	0	0.00
CHF / R	On 16/03/2020	Foreign Exchange Future	15.94320	15.94320	16.18700	16.18700				18.55	0.00	0.00	0	0.00
CNH / R	On 14/12/2018	Foreign Exchange Future	2.03250	2.03250	2.06100	2.06100				17.37	0.00	0.00	0	0.00
CNH / R	On 18/03/2019	Foreign Exchange Future	2.05250	2.05250	2.08070	2.08070				15.28	0.00	0.00	0	0.00
CNH / R	On 14/06/2019	Foreign Exchange Future	2.07170	2.07170	2.10070	2.10070				15.36	0.00	0.00	0	0.00
DKK / R	On 14/12/2018	Foreign Exchange Future	2.14190	2.14190	2.17600	2.17600				16.96	0.00	0.00	0	140.00
DKK / R	On 18/03/2019	Foreign Exchange Future	2.18590	2.18590	2.22010	2.22010				15.26	0.00	0.00	0	0.00
DKK / R	On 14/06/2019	Foreign Exchange Future	2.22800	2.22800	2.26360	2.26360				15.52	0.00	0.00	0	250.00
DKK / R	On 16/09/2019	Foreign Exchange Future	2.27430	2.27430	2.31060	2.31060				15.55	0.00	0.00	0	0.00
DKK / R	On 13/12/2019	Foreign Exchange Future	2.40180	2.40180	2.43660	2.43660				16.49	0.00	0.00	0	0.00
DKK / R	On 16/03/2020	Foreign Exchange Future	2.45240	2.45240	2.48640	2.48640				16.98	0.00	0.00	0	0.00
E170	On 01/08/2021	Price Contribution	100.00000	100.00000	100.00000	100.00000					0.00	0.00	0	0.00
ES23	On 25/01/2023	Price Contribution	100.00000	100.00000	100.00000	100.00000					0.00	0.00	0	0.00
ES23A	On 25/01/2023	Price Contribution	100.00000	100.00000	100.00000	100.00000					0.00	0.00	0	0.00
ES26	On 25/01/2023	Price Contribution	100.00000	100.00000	100.00000	100.00000					0.00	0.00	0	0.00
ES26A	On 02/04/2026	Price Contribution	100.00000	100.00000	100.00000	100.00000					0.00	0.00	0	0.00
ES33	On 07/02/2019	Bond Future	11.19044	76.85214	11.20198	76.78643					0.00	0.00	0	494.00
ES33	On 02/05/2019	Bond Future	11.29288	74.41081	11.30471	74.34448					0.00	0.00	0	0.00
ES33	On 01/08/2019	Bond Future	11.39690	75.88217	11.40885	75.81622					0.00	0.00	0	0.00
ES33	On 15/09/2033	Price Contribution	100.00000	100.00000	100.00000	100.00000					0.00	0.00	0	0.00
ES33A	On 15/09/2033	Price Contribution	100.00000	100.00000	100.00000	100.00000					0.00	0.00	0	0.00
ES42	On 07/02/2019	Bond Future	11.42641	78.87453	11.42763	78.86667					0.00	0.00	0	5,169.00
ES42	On 02/05/2019	Bond Future	11.52916	75.99957	11.53034	75.99209					0.00	0.00	0	0.00
ES42	On 01/08/2019	Bond Future	11.63162	77.50273	11.63257	77.49680					0.00	0.00	0	0.00
ES42	On 25/04/2042	Price Contribution	100.00000	100.00000	100.00000	100.00000					0.00	0.00	0	0.00
GOVI	On 07/02/2019	GOVI	625.31900	625.31900	624.71300	624.71300					0.00	0.00	0	452.00
GOVI	On 02/05/2019	GOVI	636.30400	636.30400	635.69200	635.69200					0.00	0.00	0	0.00
GOVI	On 01/08/2019	GOVI	648.88100	648.88100	648.27000	648.27000					0.00	0.00	0	0.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
HK\$/R	On 14/12/2018	Foreign Exchange Future		1.78790	1.78790		1.81640	1.81640		19.43	0.00	0.00	0	0.00
HK\$/R	On 18/03/2019	Foreign Exchange Future		1.81230	1.81230		1.84060	1.84060		17.20	0.00	0.00	0	0.00
HK\$/R	On 14/06/2019	Foreign Exchange Future		1.83500	1.83500		1.86400	1.86400		17.87	0.00	0.00	0	0.00
I2025	On 07/02/2019	Bond Future		132.09910	132.09910		132.17103	132.17103			0.00	0.00	0	355.00
I2025	On 02/05/2019	Bond Future		134.44956	134.44956		134.52353	134.52353			0.00	0.00	0	0.00
I2025	On 01/08/2019	Bond Future		137.09184	137.09184		137.17031	137.17031			0.00	0.00	0	0.00
I2025	On 31/01/2025	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
I2029	On 07/02/2019	Bond Future		100.31184	100.31184		100.30878	100.30878			0.00	0.00	0	2,954.00
I2029	On 02/05/2019	Bond Future		101.02355	101.02355		101.02114	101.02114			0.00	0.00	0	0.00
I2029	On 01/08/2019	Bond Future		103.04414	103.04414		103.04386	103.04386			0.00	0.00	0	0.00
I2033	On 14/08/2015	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
I2033	On 07/02/2019	Bond Future		102.37405	102.37405		102.37088	102.37088			0.00	0.00	0	5,890.00
I2033	On 02/05/2019	Bond Future		103.05016	103.05016		103.04748	103.04748			0.00	0.00	0	0.00
I2033	On 01/08/2019	Bond Future		105.11120	105.11120		105.11076	105.11076			0.00	0.00	0	0.00
I2033	On 28/02/2033	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
I2038	On 07/02/2019	Bond Future		120.33869	120.33869		120.06253	120.06253			0.00	0.00	0	9,912.00
I2038	On 02/05/2019	Bond Future		122.47983	122.47983		122.19958	122.19958			0.00	0.00	0	0.00
I2038	On 01/08/2019	Bond Future		124.87696	124.87696		124.59382	124.59382			0.00	0.00	0	0.00
I2038	On 31/01/2038	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
I2046	On 07/02/2019	Bond Future		114.19611	114.19611		114.19228	114.19228			0.00	0.00	0	12,458.00
I2046	On 02/05/2019	Bond Future		114.54203	114.54203		114.53882	114.53882			0.00	0.00	0	0.00
I2046	On 01/08/2019	Bond Future		116.83296	116.83296		116.83230	116.83230			0.00	0.00	0	0.00
I2046	On 31/03/2046	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
I2050	On 07/02/2019	Bond Future		117.08303	117.08303		117.56784	117.56784			0.00	0.00	0	10,349.00
I2050	On 02/05/2019	Bond Future		119.16642	119.16642		119.66036	119.66036			0.00	0.00	0	0.00
I2050	On 01/08/2019	Bond Future		119.73121	119.73121		120.23773	120.23773			0.00	0.00	0	0.00
I2050	On 31/12/2050	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
IGOV	On 07/02/2019	Index Future		253.57500	253.57500		253.60700	253.60700			0.00	0.00	0	528.00
IGOV	On 02/05/2019	Index Future		258.08700	258.08700		258.12100	258.12100			0.00	0.00	0	215.00
IGOV	On 01/08/2019	Index Future		263.24800	263.24800		263.28900	263.28900			0.00	0.00	0	0.00
JIBAR FUTURE	On 19/12/2018	Jibar Tradeable Future		7.01000	92.99000		7.01000	92.99000			0.00	0.00	0	20,000.00
JIBAR FUTURE	On 20/03/2019	Jibar Tradeable Future		7.01000	92.99000		7.01000	92.99000			0.00	0.00	0	0.00
JIBAR FUTURE	On 19/06/2019	Jibar Tradeable Future		7.03000	92.97000		7.03000	92.97000			0.00	0.00	0	0.00
KES / R	On 14/12/2018	Foreign Exchange Future		0.13630	0.13630		0.13810	0.13810			0.00	0.00	0	0.00

Contract Details			Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
KES / R	On 18/03/2019	Foreign Exchange Future			0.13530		0.13530		0.13730	0.13730			0.00	0.00	0	0.00
KES / R	On 14/06/2019	Foreign Exchange Future			0.13420		0.13420		0.13640	0.13640			0.00	0.00	0	2,166.00
KES / R	On 16/09/2019	Foreign Exchange Future			0.13410		0.13410		0.13710	0.13710			0.00	0.00	0	0.00
KES / R	On 13/12/2019	Foreign Exchange Future			0.13250		0.13250		0.13480	0.13480			0.00	0.00	0	0.00
KES / R	On 16/03/2020	Foreign Exchange Future			0.13100		0.13100		0.13260	0.13260			0.00	0.00	0	0.00
NOK/R	On 14/12/2018	Foreign Exchange Future			1.65080		1.65080		1.66860	1.66860		15.37	0.00	0.00	0	0.00
NOK/R	On 18/03/2019	Foreign Exchange Future			1.67690		1.67690		1.69470	1.69470		14.37	0.00	0.00	0	0.00
NOK/R	On 14/06/2019	Foreign Exchange Future			1.70150		1.70150		1.72000	1.72000		14.33	0.00	0.00	0	0.00
NZ\$ / R	On 14/12/2018	Foreign Exchange Future			9.61120		9.61120		9.76820	9.76820		14.94	0.00	0.00	0	0.00
NZ\$ / R	On 18/03/2019	Foreign Exchange Future			9.73800		9.73800		9.89650	9.89650		13.58	0.00	0.00	0	0.00
NZ\$ / R	On 14/06/2019	Foreign Exchange Future			9.86000		9.86000		10.02230	10.02230		13.78	0.00	0.00	0	0.00
NZ\$ / R	On 16/09/2019	Foreign Exchange Future			9.99480		9.99480		10.15890	10.15890		14.42	0.00	0.00	0	0.00
NZ\$ / R	On 13/12/2019	Foreign Exchange Future			10.50800		10.50800		10.66760	10.66760		15.31	0.00	0.00	0	0.00
NZ\$ / R	On 16/03/2020	Foreign Exchange Future			10.65420		10.65420		10.81100	10.81100		15.87	0.00	0.00	0	0.00
PULA / R	On 14/12/2018	Foreign Exchange Future			1.31410		1.31410		1.33310	1.33310			0.00	0.00	0	0.00
PULA / R	On 18/03/2019	Foreign Exchange Future			1.32170		1.32170		1.34090	1.34090			0.00	0.00	0	0.00
PULA / R	On 14/06/2019	Foreign Exchange Future			1.32790		1.32790		1.34740	1.34740			0.00	0.00	0	0.00
QUANTO £ / \$	On 14/12/2018	Foreign Exchange Future			1.27560		1.27560		1.27850	1.27850			0.00	0.00	0	250.00
QUANTO £ / \$	On 18/03/2019	Foreign Exchange Future			1.28190		1.28190		1.28490	1.28490			0.00	0.00	0	0.00
QUANTO £ / \$	On 14/06/2019	Foreign Exchange Future			1.28740		1.28740		1.29030	1.29030			0.00	0.00	0	0.00
QUANTO £ / \$	On 16/09/2019	Foreign Exchange Future			1.29330		1.29330		1.29620	1.29620			0.00	0.00	0	0.00
QUANTO £ / \$	On 13/12/2019	Foreign Exchange Future			1.29880		1.29880		1.30160	1.30160			0.00	0.00	0	0.00
QUANTO £ / \$	On 16/03/2020	Foreign Exchange Future			1.30460		1.30460		1.30740	1.30740			0.00	0.00	0	0.00
QUANTO € / \$	On 14/12/2018	Foreign Exchange Future			1.13900		1.13900		1.13980	1.13980			0.00	0.00	0	60.00
QUANTO € / \$	On 18/03/2019	Foreign Exchange Future			1.14870		1.14870		1.14950	1.14950			0.00	0.00	0	0.00
QUANTO € / \$	On 14/06/2019	Foreign Exchange Future			1.15760		1.15760		1.15840	1.15840			0.00	0.00	0	582.00
QUANTO € / \$	On 16/09/2019	Foreign Exchange Future			1.16740		1.16740		1.16810	1.16810			0.00	0.00	0	0.00
QUANTO € / \$	On 13/12/2019	Foreign Exchange Future			1.17640		1.17640		1.17710	1.17710			0.00	0.00	0	0.00
QUANTO € / \$	On 16/03/2020	Foreign Exchange Future			1.18210		1.18210		1.18270	1.18270			0.00	0.00	0	0.00
R / ¥EN	On 14/12/2018	Foreign Exchange Future			8.07180		8.07180	0.12383	7.91630	7.91630		17.73	0.00	0.00	0	0.00
R186	On 07/02/2019	Bond Future			9.07676		109.37677		9.10326	109.22284		6.51	0.00	7,109,490.05	65	73,786.00
R186	On 07/02/2019	Bond Future	8.30	Call	52.54000		0.05254		47.63000	0.04763	52.540	5.99	0.05	0.00	0	210.00
R186	On 07/02/2019	Bond Future	8.50	Call	150.35000		0.15035		137.71000	0.13771	150.350	6.12	0.11	0.00	0	1,000.00
R186	On 07/02/2019	Bond Future	8.77	Call	468.10000		0.46810		435.17000	0.43517	468.100	6.35	0.27	0.00	0	1,170.00
R186	On 07/02/2019	Bond Future	9.10	Put	1,118.09000		1.11809		1,202.54000	1.20254	1,118.090	6.59	0.48	0.00	0	1,000.00
R186	On 07/02/2019	Bond Future	9.20	Call	1,586.01000		1.58601		1,504.71000	1.50471	1,586.010	6.67	0.60	0.00	0	3,000.00
R186	On 07/02/2019	Bond Future	9.23	Call	1,693.76000		1.69376		1,608.98000	1.60898	1,693.760	6.69	0.62	0.00	0	3,000.00

Contract Details			Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
R186	On 07/02/2019	Bond Future	9.27	Call	1,844.10000		1.84410		1,754.81000	1.75481	1,844.100	6.73	0.65	0.00	0	1,170.00
R186	On 07/02/2019	Bond Future	9.30	Put	673.82000		0.67382		735.18000	0.73518	673.820	6.77	0.33	0.00	0	5,000.00
R186	On 07/02/2019	Bond Future	9.38	Call	2,289.62000		2.28962		2,188.73000	2.18873	2,289.620	6.87	0.72	0.00	0	6,000.00
R186	On 07/02/2019	Bond Future	9.50	Put	391.84000		0.39184		433.69000	0.43369	391.840	7.01	0.21	0.00	0	5,000.00
R186	On 07/02/2019	Bond Future	9.90	Put	120.84000		0.12084		137.64000	0.13764	120.840	7.52	0.08	0.00	0	1,000.00
R186	On 07/02/2019	Bond Future	9.92	Put	113.62000		0.11362		129.60000	0.12960	113.620	7.54	0.07	0.00	0	1,170.00
R186	On 02/05/2019	Bond Future			9.13703		111.29835		9.16460	111.14232		6.66	0.00	0.00	0	3,050.00
R186	On 02/05/2019	Bond Future	8.50	Call	514.33000		0.51433		486.50000	0.48650	514.330	6.25	0.21	0.00	0	7,000.00
R186	On 02/05/2019	Bond Future	8.62	Call	695.46000		0.69546		660.34000	0.66034	695.460	6.36	0.26	0.00	0	90.00
R186	On 02/05/2019	Bond Future	8.65	Call	746.45000		0.74645		709.39000	0.70939	746.450	6.38	0.28	0.00	0	3,250.00
R186	On 02/05/2019	Bond Future	8.70	Call	836.87000		0.83687		796.50000	0.79650	836.870	6.43	0.30	0.00	0	200.00
R186	On 02/05/2019	Bond Future	8.80	Call	1,036.30000		1.03630		989.05000	0.98905	1,036.300	6.51	0.35	0.00	0	7,500.00
R186	On 02/05/2019	Bond Future	9.00	Call	1,512.46000		1.51246		1,450.73000	1.45073	1,512.460	6.66	0.44	0.00	0	7,000.00
R186	On 02/05/2019	Bond Future	9.20	Call	2,095.22000		2.09522		2,018.79000	2.01879	2,095.220	6.82	0.54	0.00	0	90.00
R186	On 02/05/2019	Bond Future	9.25	Call	2,256.29000		2.25629		2,176.24000	2.17624	2,256.290	6.86	0.56	0.00	0	3,250.00
R186	On 02/05/2019	Bond Future	9.30	Call	2,428.10000		2.42810		2,344.54000	2.34454	2,428.100	6.92	0.58	0.00	0	200.00
R186	On 02/05/2019	Bond Future	9.75	Put	795.33000		0.79533		840.59000	0.84059	795.330	7.47	0.25	0.00	0	7,000.00
R186	On 02/05/2019	Bond Future	9.96	Put	590.46000		0.59046		626.18000	0.62618	590.460	7.76	0.19	0.00	0	90.00
R186	On 02/05/2019	Bond Future	10.02	Put	537.24000		0.53724		570.43000	0.57043	537.240	7.81	0.18	0.00	0	3,250.00
R186	On 02/05/2019	Bond Future	10.07	Put	488.48000		0.48848		519.40000	0.51940	488.480	7.81	0.16	0.00	0	200.00
R186	On 01/08/2019	Bond Future			9.19134		108.19635		9.21981	108.03971		6.70	0.00	0.00	0	0.00
R186	On 01/08/2019	Bond Future	8.30	Call	489.92000		0.48992		465.47000	0.46547	489.920	5.98	0.18	0.00	0	6,000.00
R186	On 01/08/2019	Bond Future	9.05	Call	1,984.84000		1.98484		1,918.81000	1.91881	1,984.840	6.75	0.46	0.00	0	6,000.00
R186	On 01/08/2019	Bond Future	10.08	Put	974.27000		0.97427		1,015.78000	1.01578	974.270	7.98	0.23	0.00	0	6,000.00
R186	On 21/12/2026	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R186/R207	On 21/12/2026	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R186/R208	On 21/12/2026	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R197	On 07/02/2019	Bond Future			299.18009		299.18009		299.04196	299.04196			0.00	0.00	0	2,355.00
R197	On 02/05/2019	Bond Future			304.50310		304.50310		304.36450	304.36450			0.00	0.00	0	0.00
R197	On 01/08/2019	Bond Future			303.03333		303.03333		302.89860	302.89860			0.00	0.00	0	0.00
R197	On 07/12/2023	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R202	On 07/02/2019	Bond Future			231.59845		231.59845		231.45596	231.45596			0.00	0.00	0	8,990.00
R202	On 02/05/2019	Bond Future			235.71909		235.71909		235.57567	235.57567			0.00	0.00	0	0.00
R202	On 01/08/2019	Bond Future			236.41794		236.41794		236.27689	236.27689			0.00	0.00	0	0.00
R202	On 07/12/2033	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2023	On 07/02/2019	Bond Future			8.35263		101.49327		8.39007	101.36862		3.03	0.00	0.00	0	62,183.00
R2023	On 02/05/2019	Bond Future			8.39439		99.34643		8.43425	99.22021		3.55	0.00	0.00	0	0.00
R2023	On 01/08/2019	Bond Future			8.42002		101.31053		8.46234	101.18406		3.48	0.00	0.00	0	0.00
R2023	On 28/02/2023	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00

Contract Details			Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
R2030	On 07/02/2019	Bond Future			9.55715		89.81905		9.58354	89.65496		9.07	0.00	61,256,592.10	682	56,168.00
R2030	On 07/02/2019	Bond Future	8.90	Call	132.24000		0.13224		121.52000	0.12152	132.240	8.32	0.09	0.00	0	1,320.00
R2030	On 07/02/2019	Bond Future	9.18	Call	441.84000		0.44184		411.84000	0.41184	441.840	8.71	0.24	0.00	0	4,000.00
R2030	On 07/02/2019	Bond Future	9.60	Call	1,491.79000		1.49179		1,415.83000	1.41583	1,491.790	9.19	0.54	0.00	0	1,320.00
R2030	On 07/02/2019	Bond Future	9.68	Call	1,778.25000		1.77825		1,692.86000	1.69286	1,778.250	9.28	0.60	0.00	0	4,000.00
R2030	On 07/02/2019	Bond Future	10.20	Put	273.70000		0.27370		304.61000	0.30461	273.700	10.14	0.14	0.00	0	4,000.00
R2030	On 02/05/2019	Bond Future			9.62048		91.39716		9.64768	91.23083		9.20	0.00	0.00	0	0.00
R2030	On 02/05/2019	Bond Future	8.90	Call	505.39000		0.50539		478.87000	0.47887	505.390	8.53	0.19	0.00	0	3,000.00
R2030	On 02/05/2019	Bond Future	9.40	Call	1,502.50000		1.50250		1,442.31000	1.44231	1,502.500	9.10	0.41	0.00	0	3,000.00
R2030	On 02/05/2019	Bond Future	10.20	Put	971.56000		0.97156		1,022.86000	1.02286	971.560	10.16	0.26	0.00	0	3,000.00
R2030	On 01/08/2019	Bond Future			9.68258		89.19882		9.71049	89.03125		9.23	0.00	0.00	0	0.00
R2030	On 31/01/2030	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2032	On 07/02/2019	Bond Future			9.76429		91.96830		9.79068	91.79081		9.93	0.00	0.00	0	43,322.00
R2032	On 02/05/2019	Bond Future			9.82689		89.42717		9.85404	89.24719		10.39	0.00	0.00	0	0.00
R2032	On 01/08/2019	Bond Future			9.88638		91.19546		9.91417	91.01394		9.94	0.00	0.00	0	0.00
R2032	On 31/03/2032	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2035	On 07/02/2019	Bond Future			9.91052		95.80129		9.91644	95.75714		10.58	0.00	0.00	0	71,612.00
R2035	On 02/05/2019	Bond Future			9.97074		92.98396		9.97676	92.93962		11.10	0.00	0.00	0	0.00
R2035	On 01/08/2019	Bond Future			10.02911		94.82237		10.03503	94.77932		10.63	0.00	0.00	0	0.00
R2035	On 28/02/2035	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2037	On 07/02/2019	Bond Future			9.97674		88.04773		9.98258	88.00397		11.63	0.00	0.00	0	56,758.00
R2037	On 02/05/2019	Bond Future			10.03922		89.59480		10.04516	89.55082		11.66	0.00	0.00	0	0.00
R2037	On 01/08/2019	Bond Future			10.10166		87.11060		10.10753	87.06768		11.72	0.00	0.00	0	0.00
R2037	On 31/01/2037	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R204	On 21/12/2018	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R204/R203	On 21/12/2018	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2040	On 06/10/2015	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2040	On 07/02/2019	Bond Future			10.04648		91.20913		10.04722	91.20318		12.03	0.00	0.00	0	32,154.00
R2040	On 02/05/2019	Bond Future			10.10856		92.81177		10.10924	92.80636		12.07	0.00	0.00	0	0.00
R2040	On 02/05/2019	Bond Future	9.60	Call	1,157.82000		1.15782		1,164.14000	1.16414	1,157.820	11.54	0.28	0.00	0	1,150.00
R2040	On 02/05/2019	Bond Future	10.20	Call	3,248.23000		3.24823		3,254.99000	3.25499	3,248.230	12.32	0.56	0.00	0	1,150.00
R2040	On 01/08/2019	Bond Future			10.17077		90.14076		10.17121	90.13731		12.14	0.00	0.00	0	0.00
R2040	On 31/01/2040	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2044	On 07/02/2019	Bond Future			10.06983		88.30446		10.07053	88.29875		12.62	0.00	0.00	0	37,155.00
R2044	On 02/05/2019	Bond Future			10.12961		89.85611		10.13027	89.85078		12.68	0.00	0.00	0	0.00
R2044	On 01/08/2019	Bond Future			10.18948		87.25177		10.18990	87.24842		12.78	0.00	0.00	0	0.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
R2044	On 31/01/2044	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2048	On 07/02/2019	Bond Future	10.04561		91.83075		10.04634	91.82463		12.45	0.00	0.00	0	104,791.00
R2048	On 02/05/2019	Bond Future	10.10000		89.00700		10.10067	89.00144		13.13	0.00	0.00	0	0.00
R2048	On 01/08/2019	Bond Future	10.15281		90.76682		10.15326	90.76312		12.62	0.00	0.00	0	0.00
R2048	On 28/02/2048	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R207	On 07/02/2019	Bond Future	5.87538		101.77115		5.93039	101.72193		0.30	0.00	0.00	0	15,739.00
R207	On 02/05/2019	Bond Future	5.26779		103.55921		5.34057	103.50979		0.34	0.00	0.00	0	0.00
R207	On 01/08/2019	Bond Future	3.66997		101.96415		3.77802	101.91606		0.19	0.00	0.00	0	0.00
R207	On 15/01/2020	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R207/R203	On 15/01/2020	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R208	On 07/02/2019	Bond Future	7.15757		101.70020		7.18969	101.63809		1.12	0.00	0.00	0	17,015.00
R208	On 02/05/2019	Bond Future	7.08587		100.08586		7.12178	100.02331		1.43	0.00	0.00	0	0.00
R208	On 01/08/2019	Bond Future	6.93499		102.06469		6.97515	102.00314		1.32	0.00	0.00	0	0.00
R208	On 31/03/2021	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R208/R204	On 31/03/2021	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R208/R207	On 31/03/2021	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R209	On 07/02/2019	Bond Future	9.84293		72.84052		9.85382	72.77133		11.86	0.00	0.00	0	119,900.00
R209	On 07/02/2019	Bond Future	9.04	Call	72.30000	0.07230	71.38000	0.07138	72.300	10.65	0.05	0.00	0	4,000.00
R209	On 07/02/2019	Bond Future	9.54	Call	633.55000	0.63355	622.82000	0.62282	633.550	11.56	0.30	0.00	0	4,000.00
R209	On 07/02/2019	Bond Future	10.20	Put	641.87000	0.64187	670.86000	0.67086	641.870	12.69	0.27	0.00	0	4,000.00
R209	On 02/05/2019	Bond Future	9.89725		70.97106		9.90836	70.90118		12.55	0.00	0.00	0	0.00
R209	On 02/05/2019	Bond Future	9.35	Call	860.10000	0.86010	847.36000	0.84736	860.100	11.99	0.27	0.00	0	760.00
R209	On 02/05/2019	Bond Future	9.95	Call	2,459.29000	2.45929	2,429.60000	2.42960	2,459.290	12.82	0.54	0.00	0	760.00
R209	On 02/05/2019	Bond Future	10.50	Put	1,024.17000	1.02417	1,049.41000	1.04941	1,024.170	13.90	0.26	0.00	0	11,560.00
R209	On 02/05/2019	Bond Future	10.71	Put	775.50000	0.77550	796.23000	0.79623	775.500	14.37	0.20	0.00	0	760.00
R209	On 01/08/2019	Bond Future	9.94872		72.37440		9.95991	72.30471		12.08	0.00	0.00	0	0.00
R209	On 31/03/2036	Price Contribution	6.25000		6.25000		6.25000	6.25000			0.00	0.00	0	0.00
R209/R186	On 31/03/2036	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R209/R204	On 31/03/2036	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R209/R208	On 31/03/2036	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R210	On 07/02/2019	Bond Future	186.29569		186.29569		186.29022	186.29022			0.00	0.00	0	2,708.00
R210	On 02/05/2019	Bond Future	187.05447		187.05447		187.04993	187.04993			0.00	0.00	0	0.00
R210	On 01/08/2019	Bond Future	190.79572		190.79572		190.79538	190.79538			0.00	0.00	0	0.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
R210		On 31/03/2028	Price Contribution		100.00000	100.00000	100.00000	100.00000			0.00	0.00	0	0.00
R212		On 07/02/2019	Bond Future	155.78529	155.78529		155.78212	155.78212			0.00	0.00	0	4,976.00
R212		On 02/05/2019	Bond Future	158.55719	158.55719		158.55496	158.55496			0.00	0.00	0	0.00
R212		On 01/08/2019	Bond Future	161.65722	161.65722		161.65848	161.65848			0.00	0.00	0	0.00
R212		On 31/01/2022	Price Contribution		100.00000	100.00000	100.00000	100.00000			0.00	0.00	0	0.00
R213		On 07/02/2019	Bond Future	9.64855	84.55741		9.67492	84.39633		9.54	0.00	0.00	0	32,397.00
R213		On 02/05/2019	Bond Future	9.70589	82.49334		9.73301	82.32995		10.16	0.00	0.00	0	0.00
R213		On 01/08/2019	Bond Future	9.76046	84.12429		9.78822	83.95949		9.79	0.00	0.00	0	0.00
R213		On 28/02/2031	Price Contribution		100.00000	100.00000	100.00000	100.00000			0.00	0.00	0	0.00
R213/R186		On 28/02/2031	Price Contribution		100.00000	100.00000	100.00000	100.00000			0.00	0.00	0	0.00
R214		On 07/02/2019	Bond Future	10.02514	71.86324		10.02585	71.85857		12.79	0.00	0.00	0	29,915.00
R214		On 02/05/2019	Bond Future	10.07896	69.82972		10.07962	69.82542		13.45	0.00	0.00	0	0.00
R214		On 01/08/2019	Bond Future	10.13114	71.21033		10.13158	71.20749		12.92	0.00	0.00	0	0.00
R214		On 28/02/2041	Price Contribution		100.00000	100.00000	100.00000	100.00000			0.00	0.00	0	0.00
R214/R209		On 28/02/2041	Price Contribution		100.00000	100.00000	100.00000	100.00000			0.00	0.00	0	0.00
SGD / R		On 14/12/2018	Foreign Exchange Future	10.20800	10.20800		10.36190	10.36190		16.37	0.00	0.00	0	0.00
SGD / R		On 18/03/2019	Foreign Exchange Future	10.35140	10.35140		10.50790	10.50790		14.87	0.00	0.00	0	0.00
SGD / R		On 14/06/2019	Foreign Exchange Future	10.48950	10.48950		10.65030	10.65030		15.10	0.00	0.00	0	0.00
TRY / R		On 14/12/2018	Foreign Exchange Future	2.64500	2.64500		2.63540	2.63540		22.72	0.00	0.00	0	0.00
TRY / R		On 18/03/2019	Foreign Exchange Future	2.54040	2.54040		2.53600	2.53600		20.34	0.00	0.00	0	14,000.00
TRY / R		On 14/06/2019	Foreign Exchange Future	2.45450	2.45450		2.45080	2.45080		20.73	0.00	0.00	0	0.00
Total for Derivatives :												4,977,615,406.45	340,607	10 859 147.00
Grand Total:												4,977,615,406.45	340,607	10 859 147.00