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INTEREST RATE AND CURRENCY DERIVATIVES

DAILY MTM REPORT

DAILY SUMMARY FOR: 01/08/2018

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 02/08/2018	Any day expiry		13.19170	13.19170		13.09990	13.09990		17.23	0.00	0.00	0	55.00
\$ / R	On 06/08/2018	Any day expiry		13.19500	13.19500		13.10500	13.10500		14.65	0.00	0.00	0	420.00
\$ / R	On 07/08/2018	Any day expiry		13.19600	13.19600		13.10670	13.10670		14.91	0.00	0.00	0	0.00
\$ / R	On 07/08/2018	Any day expiry	12.32	Put	0.71620	0.00072	1.15420	0.00115	0.716	21.48	0.01	0.00	0	1,880.00
\$ / R	On 07/08/2018	Any day expiry	13.86	Put	667.15030	0.66715	755.91130	0.75591	667.150	19.49	0.97	0.00	0	1,880.00
\$ / R	On 07/08/2018	Any day expiry	16.18	Call	0.03530	0.00004	0.05700	0.00006	0.035	44.42	0.00	0.00	0	1,880.00
\$ / R	On 13/08/2018	Any day expiry		13.20190	13.20190		13.11690	13.11690		14.51	0.00	0.00	0	70.00
\$ / R	On 15/08/2018	Any day expiry		13.20580	13.20580		13.12020	13.12020		14.68	0.00	0.00	0	4,144.00
\$ / R	On 15/08/2018	Any day expiry	13.18	Put	139.08880	0.13909	189.36130	0.18936	139.089	14.71	0.47	0.00	0	350.00
\$ / R	On 15/08/2018	Any day expiry	13.22	Call	145.36650	0.14537	114.54450	0.11454	145.366	14.76	0.49	0.00	0	350.00
\$ / R	On 15/08/2018	Any day expiry	13.43	Put	297.95490	0.29795	367.36480	0.36736	297.955	15.54	0.70	0.00	0	106.00
\$ / R	On 15/08/2018	Any day expiry	13.55	Call	48.47860	0.04848	37.88960	0.03789	48.479	15.99	0.21	0.00	0	106.00
\$ / R	On 17/08/2018	Any day expiry		13.20960	13.20960		13.12360	13.12360		14.87	0.00	0.00	0	0.00
\$ / R	On 17/08/2018	Any day expiry	12.92	Put	57.32780	0.05733	82.01620	0.08202	57.328	14.92	0.23	58,442,596.80	20,000	0.00
\$ / R	On 17/08/2018	Any day expiry	13.15	Put	135.68650	0.13569	0.00000	0.00000	135.686	14.88	0.44	116,706,465.40	20,000	20,000.00
\$ / R	On 20/08/2018	Any day expiry		13.21540	13.21540		13.12870	13.12870		14.61	0.00	0.00	0	600.00

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 23/08/2018	Any day expiry		13.22120	13.22120	13.13370	13.13370		14.82	0.00	0.00	0	0.00
\$ / R	13.21	Put	On 23/08/2018	Any day expiry	186.76610	0.18677	239.09240	0.23909	186.766	14.86	0.48	322,056,932.50	50,000	50,000.00
\$ / R		On 28/08/2018	Any day expiry		13.23090	13.23090	13.14220	13.14220		14.80	0.00	0.00	0	0.00
\$ / R	13.23	Put	On 28/08/2018	Any day expiry	211.71370	0.21171	264.74640	0.26475	211.714	14.78	0.49	130,969,771.40	20,000	15,000.00
\$ / R		On 31/08/2018	Any day expiry		13.23660	13.23660	13.14720	13.14720		14.94	0.00	0.00	0	3,299.00
\$ / R	13.00	Put	On 31/08/2018	Any day expiry	122.36370	0.12236	157.36710	0.15737	122.364	14.72	0.33	0.00	0	500.00
\$ / R	13.65	Call	On 31/08/2018	Any day expiry	95.48820	0.09549	79.63540	0.07964	95.488	16.24	0.26	0.00	0	500.00
\$ / R	13.80	Put	On 31/08/2018	Any day expiry	632.17390	0.63217	710.18810	0.71019	632.174	16.72	0.80	0.00	0	1,000.00
\$ / R	16.05	Call	On 31/08/2018	Any day expiry	0.51320	0.00051	0.54770	0.00055	0.513	23.14	0.00	0.00	0	500.00
\$ / R	16.57	Call	On 31/08/2018	Any day expiry	0.61250	0.00061	0.65050	0.00065	0.613	26.98	0.00	0.00	0	500.00
\$ / R		On 03/09/2018	Any day expiry		13.24240	13.24240	13.15230	13.15230		14.75	0.00	0.00	0	197.00
\$ / R		On 07/09/2018	Any day expiry		13.24940	13.24940	13.15900	13.15900		14.93	0.00	0.00	0	0.00
\$ / R	12.90	Put	On 07/09/2018	Any day expiry	106.75320	0.10675	136.38900	0.13639	106.753	14.60	0.27	0.00	0	100.00
\$ / R	13.09	Put	On 07/09/2018	Any day expiry	175.66360	0.17566	216.44110	0.21644	175.664	14.78	0.39	0.00	0	600.00
\$ / R	13.32	Call	On 07/09/2018	Any day expiry	221.74530	0.22175	188.76280	0.18876	221.745	15.14	0.47	0.00	0	600.00
\$ / R	13.45	Call	On 07/09/2018	Any day expiry	175.13300	0.17513	148.55190	0.14855	175.133	15.53	0.39	0.00	0	100.00
\$ / R	13.80	Call	On 07/09/2018	Any day expiry	90.28620	0.09029	76.34380	0.07634	90.286	16.59	0.23	0.00	0	100.00
\$ / R	13.90	Call	On 07/09/2018	Any day expiry	74.39680	0.07440	62.70030	0.06270	74.397	16.89	0.19	0.00	0	600.00
\$ / R		On 13/09/2018	Any day expiry		13.25960	13.25960	13.16920	13.16920		14.93	0.00	0.00	0	0.00
\$ / R	13.30	Put	On 13/09/2018	Any day expiry	294.66160	0.29466	349.78550	0.34979	294.662	15.07	0.51	0.00	0	747.00
\$ / R		On 17/09/2018	Foreign Exchange Future		13.26640	13.26640	13.17600	13.17600		14.75	0.00	666,809,063.20	50,263	463,073.00
\$ / R	11.48	Put	On 17/09/2018	Foreign Exchange Future	2.27030	0.00227	2.43240	0.00243	2.270	17.03	0.01	0.00	0	5,200.00
\$ / R	11.50	Put	On 17/09/2018	Foreign Exchange Future	2.38130	0.00238	2.54170	0.00254	2.381	16.95	0.01	0.00	0	45,000.00
\$ / R	11.60	Put	On 17/09/2018	Foreign Exchange Future	3.02620	0.00303	3.17290	0.00317	3.026	16.55	0.01	0.00	0	2,000.00
\$ / R	11.75	Put	On 17/09/2018	Foreign Exchange Future	4.34910	0.00435	4.45430	0.00445	4.349	15.94	0.02	0.00	0	93,314.00
\$ / R	11.85	Put	On 17/09/2018	Foreign Exchange Future	5.55040	0.00555	5.61070	0.00561	5.550	15.54	0.02	0.00	0	48,200.00
\$ / R	11.90	Put	On 17/09/2018	Foreign Exchange Future	6.27540	0.00628	6.30820	0.00631	6.275	15.34	0.02	0.00	0	3,000.00
\$ / R	12.00	Put	On 17/09/2018	Foreign Exchange Future	8.78100	0.00878	9.41730	0.00942	8.781	15.17	0.03	0.00	0	13,300.00
\$ / R	12.25	Put	On 17/09/2018	Foreign Exchange Future	19.45910	0.01946	23.48580	0.02349	19.459	14.74	0.06	0.00	0	40,000.00
\$ / R	12.25	Call	On 17/09/2018	Foreign Exchange Future	1,035.85910	1.03586	949.48580	0.94949	1,035.859	14.74	0.94	0.00	0	500.00
\$ / R	12.30	Put	On 17/09/2018	Foreign Exchange Future	22.64010	0.02264	27.78820	0.02779	22.640	14.66	0.07	0.00	0	100.00
\$ / R	12.38	Put	On 17/09/2018	Foreign Exchange Future	28.68890	0.02869	36.01810	0.03602	28.689	14.52	0.09	0.00	0	60,000.00
\$ / R	12.50	Call	On 17/09/2018	Foreign Exchange Future	806.80380	0.80680	728.00080	0.72800	806.804	14.32	0.88	0.00	0	4,600.00
\$ / R	12.50	Put	On 17/09/2018	Foreign Exchange Future	40.40380	0.04040	52.00080	0.05200	40.404	14.32	0.12	0.00	0	44,000.00
\$ / R	12.58	Put	On 17/09/2018	Foreign Exchange Future	51.12080	0.05112	66.07380	0.06607	51.121	14.26	0.14	0.00	0	8,000.00
\$ / R	12.61	Put	On 17/09/2018	Foreign Exchange Future	56.22920	0.05623	72.43270	0.07243	56.229	14.28	0.15	0.00	0	13,231.00
\$ / R	12.65	Put	On 17/09/2018	Foreign Exchange Future	63.62620	0.06363	81.58320	0.08158	63.626	14.31	0.17	0.00	0	1,550.00
\$ / R	12.77	Call	On 17/09/2018	Foreign Exchange Future	586.55270	0.58655	519.91360	0.51991	586.553	14.41	0.78	0.00	0	5,200.00
\$ / R	12.80	Put	On 17/09/2018	Foreign Exchange Future	97.86890	0.09787	123.19580	0.12320	97.869	14.43	0.24	0.00	0	500.00
\$ / R	12.80	Call	On 17/09/2018	Foreign Exchange Future	564.26890	0.56427	499.19580	0.49920	564.269	14.43	0.76	0.00	0	50.00
\$ / R	12.85	Put	On 17/09/2018	Foreign Exchange Future	111.74960	0.11175	139.77250	0.13977	111.750	14.47	0.26	0.00	0	750.00
\$ / R	13.00	Put	On 17/09/2018	Foreign Exchange Future	161.44680	0.16145	198.04200	0.19804	161.447	14.59	0.34	0.00	0	72,000.00
\$ / R	13.00	Call	On 17/09/2018	Foreign Exchange Future	427.84680	0.42785	374.04200	0.37404	427.847	14.59	0.66	0.00	0	7,500.00
\$ / R	13.10	Put	On 17/09/2018	Foreign Exchange Future	201.59720	0.20160	244.12290	0.24412	201.597	14.67	0.40	0.00	0	2,500.00

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 17/09/2018	Foreign Exchange Future	13.20	Put	247.50550	0.24751	295.95190	0.29595	247.505	14.75	0.45	0.00	0	4,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.20	Call	313.90550	0.31391	271.95190	0.27195	313.905	14.75	0.55	0.00	0	4,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.22	Put	258.10200	0.25810	307.61770	0.30762	258.102	14.81	0.46	0.00	0	10,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.25	Call	290.83130	0.29083	251.52820	0.25153	290.831	14.89	0.52	0.00	0	1,250.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.25	Put	274.43130	0.27443	325.52820	0.32553	274.431	14.89	0.48	0.00	0	74,064.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.30	Call	269.17960	0.26918	232.44810	0.23245	269.180	15.02	0.49	0.00	0	500.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.50	Call	195.84450	0.19584	168.40010	0.16840	195.845	15.57	0.39	0.00	0	2,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.60	Put	499.94910	0.49995	566.89040	0.56689	499.949	15.84	0.66	0.00	0	4,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.60	Call	166.34910	0.16635	142.89040	0.14289	166.349	15.84	0.34	0.00	0	26,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.65	Call	153.18700	0.15319	131.55160	0.13155	153.187	15.97	0.32	0.00	0	1,464.00
\$ / R	On 17/09/2018	Foreign Exchange Future	14.00	Call	85.00100	0.08500	72.96850	0.07297	85.001	16.91	0.20	0.00	0	60,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	14.00	Put	818.60100	0.81860	896.96850	0.89697	818.601	16.91	0.80	0.00	0	1,500.00
\$ / R	On 17/09/2018	Foreign Exchange Future	14.20	Call	60.38080	0.06038	51.80690	0.05181	60.381	17.43	0.15	0.00	0	500.00
\$ / R	On 17/09/2018	Foreign Exchange Future	14.70	Call	24.12930	0.02413	20.71380	0.02071	24.129	18.45	0.06	0.00	0	63,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	15.00	Call	12.88020	0.01288	11.06900	0.01107	12.880	18.80	0.04	0.00	0	4,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	15.97	Call	1.94840	0.00195	1.70750	0.00171	1.948	20.43	0.01	0.00	0	5,300.00
\$ / R	On 17/09/2018	Foreign Exchange Future	16.04	Call	1.91150	0.00191	1.68200	0.00168	1.912	20.81	0.01	0.00	0	1,550.00
\$ / R	On 17/09/2018	Foreign Exchange Future	16.14	Call	1.86560	0.00187	1.65070	0.00165	1.866	21.35	0.01	0.00	0	750.00
\$ / R	On 17/09/2018	Foreign Exchange Future	16.29	Call	1.80970	0.00181	1.61390	0.00161	1.810	22.16	0.01	0.00	0	73,314.00
\$ / R	On 25/09/2018	Any day expiry			13.27990	13.27990	13.18950	13.18950		15.00	0.00	0.00	0	0.00
\$ / R	On 28/09/2018	Any day expiry			13.28500	13.28500	13.19460	13.19460		15.07	0.00	40,158,750.00	3,000	5,532.00
\$ / R	On 28/09/2018	Any day expiry	13.00	Put	186.36380	0.18636	221.86620	0.22187	186.364	14.75	0.35	0.00	0	500.00
\$ / R	On 28/09/2018	Any day expiry	13.78	Call	157.24230	0.15724	137.23310	0.13723	157.242	16.29	0.30	0.00	0	500.00
\$ / R	On 28/09/2018	Any day expiry	13.80	Put	667.72620	0.66773	738.68320	0.73868	667.726	16.34	0.71	0.00	0	1,000.00
\$ / R	On 28/09/2018	Any day expiry	16.25	Call	3.69190	0.00369	3.33150	0.00333	3.692	21.31	0.01	0.00	0	500.00
\$ / R	On 28/09/2018	Any day expiry	16.80	Call	2.26980	0.00227	2.10990	0.00211	2.270	23.00	0.01	0.00	0	500.00
\$ / R	On 02/10/2018	Any day expiry			13.29180	13.29180	13.20130	13.20130		15.02	0.00	0.00	0	55.00
\$ / R	On 12/10/2018	Any day expiry			13.30890	13.30890	13.21840	13.21840		15.03	0.00	0.00	0	0.00
\$ / R	On 12/10/2018	Any day expiry	13.51	Call	276.81720	0.27682	244.93500	0.24494	276.817	15.52	0.43	0.00	0	5,000.00
\$ / R	On 17/10/2018	Any day expiry			13.31740	13.31740	13.22690	13.22690		15.00	0.00	0.00	0	235.00
\$ / R	On 22/10/2018	Any day expiry			13.32600	13.32600	13.23540	13.23540		15.06	0.00	0.00	0	0.00
\$ / R	On 22/10/2018	Any day expiry	13.20	Put	313.47010	0.31347	355.98180	0.35598	313.470	14.88	0.43	0.00	0	1,630.00
\$ / R	On 22/10/2018	Any day expiry	14.00	Call	171.69890	0.17170	152.21980	0.15222	171.699	16.52	0.28	0.00	0	1,630.00
\$ / R	On 25/10/2018	Any day expiry			13.33110	13.33110	13.24050	13.24050		15.10	0.00	0.00	0	70.00
\$ / R	On 29/10/2018	Any day expiry			13.33800	13.33800	13.24730	13.24730		15.06	0.00	0.00	0	225.00
\$ / R	On 31/10/2018	Any day expiry			13.34140	13.34140	13.25080	13.25080		15.09	0.00	0.00	0	3,608.00
\$ / R	On 31/10/2018	Any day expiry	13.00	Put	237.68880	0.23769	271.91390	0.27191	237.689	14.66	0.35	0.00	0	500.00
\$ / R	On 31/10/2018	Any day expiry	13.80	Put	701.04110	0.70104	765.44880	0.76545	701.041	16.05	0.65	0.00	0	1,000.00
\$ / R	On 31/10/2018	Any day expiry	13.93	Call	209.79570	0.20980	187.01780	0.18702	209.796	16.33	0.31	0.00	0	500.00
\$ / R	On 31/10/2018	Any day expiry	16.47	Call	10.89030	0.01089	9.33820	0.00934	10.890	20.47	0.02	0.00	0	500.00
\$ / R	On 31/10/2018	Any day expiry	17.02	Call	4.75410	0.00475	4.04530	0.00405	4.754	20.66	0.01	0.00	0	500.00
\$ / R	On 01/11/2018	Any day expiry			13.34310	13.34310	13.25250	13.25250		15.09	0.00	0.00	0	55.00
\$ / R	On 05/11/2018	Any day expiry			13.34990	13.34990	13.25920	13.25920		15.06	0.00	0.00	0	0.00
\$ / R	On 05/11/2018	Any day expiry	11.90	Put	22.75000	0.02275	26.62970	0.02663	22.750	14.24	0.05	0.00	0	1,880.00

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 05/11/2018	Any day expiry	13.86	Put	749.21320	0.74921	814.81050	0.81481	749.213	16.13	0.66	0.00	0	1,880.00
\$ / R	On 05/11/2018	Any day expiry	16.81	Call	7.39840	0.00740	6.27570	0.00628	7.398	20.33	0.02	0.00	0	1,880.00
\$ / R	On 13/11/2018	Any day expiry			13.36350	13.36350	13.27260	13.27260		15.06	0.00	0.00	0	70.00
\$ / R	On 16/11/2018	Any day expiry			13.36860	13.36860	13.27770	13.27770		15.09	0.00	0.00	0	420.00
\$ / R	On 16/11/2018	Any day expiry	10.83	Put	5.38220	0.00538	5.84400	0.00584	5.382	17.57	0.01	0.00	0	51,000.00
\$ / R	On 16/11/2018	Any day expiry	11.67	Put	19.43890	0.01944	22.16740	0.02217	19.439	14.95	0.04	0.00	0	51,000.00
\$ / R	On 16/11/2018	Any day expiry	13.22	Call	507.08920	0.50709	458.98950	0.45899	507.089	14.93	0.57	0.00	0	51,000.00
\$ / R	On 29/11/2018	Any day expiry			13.39060	13.39060	13.29950	13.29950		15.16	0.00	0.00	0	461.00
\$ / R	On 30/11/2018	Any day expiry			13.39230	13.39230	13.30110	13.30110		15.17	0.00	0.00	0	3,363.00
\$ / R	On 30/11/2018	Any day expiry	13.00	Put	275.18660	0.27519	309.83480	0.30983	275.187	14.65	0.35	0.00	0	500.00
\$ / R	On 30/11/2018	Any day expiry	13.80	Put	728.18330	0.72818	789.71600	0.78972	728.183	15.95	0.61	0.00	0	1,000.00
\$ / R	On 30/11/2018	Any day expiry	14.08	Call	247.25710	0.24726	224.20790	0.22421	247.257	16.50	0.32	0.00	0	500.00
\$ / R	On 30/11/2018	Any day expiry	16.70	Call	24.44940	0.02445	21.60830	0.02161	24.449	21.04	0.04	0.00	0	500.00
\$ / R	On 30/11/2018	Any day expiry	17.31	Call	15.42100	0.01542	13.25510	0.01326	15.421	22.04	0.03	0.00	0	500.00
\$ / R	On 11/12/2018	Any day expiry			13.41100	13.41100	13.31960	13.31960		15.14	0.00	0.00	0	0.00
\$ / R	On 11/12/2018	Any day expiry	13.65	Put	635.07820	0.63508	691.77450	0.69177	635.078	15.61	0.56	0.00	0	20,000.00
\$ / R	On 11/12/2018	Any day expiry	15.69	Call	67.81810	0.06782	61.37790	0.06138	67.818	19.26	0.10	0.00	0	20,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future			13.41600	13.41600	13.32460	13.32460		15.16	0.00	432,437,928.00	32,233	68,768.00
\$ / R	On 14/12/2018	Foreign Exchange Future	11.64	Put	28.25850	0.02826	30.27690	0.03028	28.258	14.88	0.05	0.00	0	2,764.00
\$ / R	On 14/12/2018	Foreign Exchange Future	11.75	Put	33.43110	0.03343	35.93150	0.03593	33.431	14.63	0.06	0.00	0	230,784.00
\$ / R	On 14/12/2018	Foreign Exchange Future	11.90	Put	41.96130	0.04196	45.28610	0.04529	41.961	14.28	0.08	0.00	0	11,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.00	Put	48.76280	0.04876	54.81660	0.05482	48.763	14.05	0.09	0.00	0	174,530.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.02	Put	50.24330	0.05024	57.33580	0.05734	50.243	14.00	0.09	0.00	0	5,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.10	Put	58.70860	0.05871	68.30990	0.06831	58.709	13.96	0.10	0.00	0	8,580.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.20	Put	72.73880	0.07274	84.17310	0.08417	72.739	14.02	0.12	0.00	0	7,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.25	Put	80.63600	0.08064	93.05870	0.09306	80.636	14.05	0.13	0.00	0	3,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.38	Put	104.14050	0.10414	119.36110	0.11936	104.140	14.13	0.16	0.00	0	39,589.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.50	Put	129.94320	0.12994	148.01950	0.14802	129.943	14.20	0.19	0.00	0	26,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.50	Call	1,045.94320	1.04594	972.61950	0.97262	1,045.943	14.20	0.81	0.00	0	230,784.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.63	Put	162.69470	0.16269	184.13330	0.18413	162.695	14.28	0.23	0.00	0	39,589.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.68	Put	176.69070	0.17669	200.03770	0.20004	176.691	14.31	0.24	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.75	Put	197.63100	0.19763	224.28010	0.22428	197.631	14.35	0.27	0.00	0	1,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.00	Put	290.59410	0.29059	325.19670	0.32520	290.594	14.66	0.35	0.00	0	175,030.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.00	Call	706.59410	0.70659	649.79670	0.64980	706.594	14.66	0.65	0.00	0	7,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.10	Put	333.97170	0.33397	371.81020	0.37181	333.972	14.78	0.38	0.00	0	11,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.20	Call	596.85830	0.59686	546.52610	0.54653	596.858	14.91	0.59	0.00	0	7,100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.22	Put	390.65400	0.39065	432.35970	0.43236	390.654	14.93	0.42	0.00	0	5,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.25	Put	405.60060	0.40560	448.26970	0.44827	405.601	14.97	0.43	28,970,045.65	5,000	32,800.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.25	Call	571.60060	0.57160	522.86970	0.52287	571.601	14.97	0.57	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.45	Put	514.02450	0.51402	564.90060	0.56490	514.024	15.25	0.49	0.00	0	4,080.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.50	Put	543.94470	0.54394	596.28600	0.59629	543.945	15.34	0.51	0.00	0	26,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.50	Call	459.94470	0.45994	420.88600	0.42089	459.945	15.34	0.49	0.00	0	230,784.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.70	Put	671.24020	0.67124	729.09920	0.72910	671.240	15.72	0.57	0.00	0	7,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.71	Put	677.90950	0.67791	736.02770	0.73603	677.909	15.74	0.57	0.00	0	30.00

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	13.78	Put	725.35350	0.72535	785.26100	0.78526	725.354	15.87	0.59	0.00	0	100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.78	Call	361.35350	0.36135	329.86100	0.32986	361.353	15.87	0.41	0.00	0	100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.79	Put	732.23940	0.73224	792.39740	0.79240	732.239	15.89	0.59	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.80	Call	355.15150	0.35515	324.15550	0.32416	355.152	15.91	0.40	0.00	0	3,264.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.95	Call	311.86020	0.31186	284.40100	0.28440	311.860	16.19	0.36	0.00	0	39,589.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.00	Call	298.63210	0.29863	272.39060	0.27239	298.632	16.28	0.35	47,653,239.80	10,000	21,010.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.13	Call	267.06870	0.26707	243.58230	0.24358	267.069	16.54	0.32	0.00	0	20,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.33	Call	225.32780	0.22533	205.38760	0.20539	225.328	16.93	0.28	0.00	0	100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.38	Call	216.01700	0.21602	196.88150	0.19688	216.017	17.03	0.27	0.00	0	30.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.44	Call	205.38770	0.20539	187.17600	0.18718	205.388	17.15	0.26	0.00	0	11,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.60	Call	179.72000	0.17972	163.76630	0.16377	179.720	17.46	0.23	0.00	0	18,900.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.61	Call	178.23740	0.17824	162.41430	0.16241	178.237	17.48	0.23	0.00	0	1,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.62	Call	176.76570	0.17677	161.07710	0.16108	176.766	17.50	0.23	0.00	0	5,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.70	Call	165.47870	0.16548	150.35120	0.15035	165.479	17.66	0.21	0.00	0	20,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.75	Call	158.82800	0.15883	143.87830	0.14388	158.828	17.76	0.21	0.00	0	127,100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.84	Call	146.80670	0.14681	132.95260	0.13295	146.807	17.90	0.19	0.00	0	1,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.00	Call	127.73410	0.12773	115.64430	0.11564	127.734	18.16	0.17	11,493,271.90	5,000	15,100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.01	Call	126.63270	0.12663	114.64570	0.11465	126.633	18.17	0.17	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.09	Call	118.17730	0.11818	106.98020	0.10698	118.177	18.30	0.16	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.15	Call	112.23220	0.11223	101.59520	0.10160	112.232	18.39	0.15	0.00	0	27,030.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.48	Call	84.81300	0.08481	76.78770	0.07679	84.813	18.91	0.12	0.00	0	29,600.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.70	Call	70.65010	0.07065	63.99540	0.06400	70.650	19.26	0.10	0.00	0	11,380.00
\$ / R	On 21/12/2018	Any day expiry			13.42790	13.42790	13.33640	13.33640		15.23	0.00	0.00	0	0.00
\$ / R	On 21/12/2018	Any day expiry	13.20	Put	387.69820	0.38770	428.65710	0.42866	387.698	14.90	0.41	0.00	0	1,000.00
\$ / R	On 21/12/2018	Any day expiry	13.30	Put	438.18610	0.43819	482.24490	0.48224	438.186	15.03	0.44	0.00	0	1,000.00
\$ / R	On 21/12/2018	Any day expiry	14.66	Call	182.96330	0.18296	167.07580	0.16708	182.963	17.52	0.23	0.00	0	1,000.00
\$ / R	On 21/12/2018	Any day expiry	14.75	Call	170.27750	0.17028	155.03920	0.15504	170.278	17.69	0.21	0.00	0	1,000.00
\$ / R	On 31/12/2018	Any day expiry			13.44490	13.44490	13.35320	13.35320		15.15	0.00	0.00	0	2,078.00
\$ / R	On 31/12/2018	Any day expiry	13.00	Put	304.87720	0.30488	339.42610	0.33943	304.877	14.57	0.34	0.00	0	500.00
\$ / R	On 31/12/2018	Any day expiry	13.80	Put	748.98300	0.74898	808.13900	0.80814	748.983	15.79	0.58	0.00	0	1,000.00
\$ / R	On 31/12/2018	Any day expiry	14.22	Call	281.02200	0.28102	257.52880	0.25753	281.022	16.56	0.32	0.00	0	500.00
\$ / R	On 31/12/2018	Any day expiry	16.93	Call	39.68410	0.03968	36.35530	0.03636	39.684	21.26	0.05	0.00	0	500.00
\$ / R	On 31/12/2018	Any day expiry	17.58	Call	27.58790	0.02759	23.26050	0.02326	27.588	22.41	0.04	0.00	0	500.00
\$ / R	On 02/01/2019	Any day expiry			13.44830	13.44830	13.35650	13.35650		15.16	0.00	0.00	0	55.00
\$ / R	On 18/01/2019	Any day expiry			13.47540	13.47540	13.38340	13.38340		15.23	0.00	0.00	0	0.00
\$ / R	On 18/01/2019	Any day expiry	12.66	Put	200.75660	0.20076	223.27140	0.22327	200.757	14.28	0.25	0.00	0	263.00
\$ / R	On 30/01/2019	Any day expiry			13.49570	13.49570	13.40350	13.40350		15.21	0.00	0.00	0	55.00
\$ / R	On 31/01/2019	Any day expiry			13.49740	13.49740	13.40520	13.40520		15.21	0.00	0.00	0	1,225.00
\$ / R	On 31/01/2019	Any day expiry	13.00	Put	332.13940	0.33214	366.43950	0.36644	332.139	14.57	0.34	0.00	0	500.00
\$ / R	On 31/01/2019	Any day expiry	14.38	Call	308.44120	0.30844	284.90890	0.28491	308.441	16.72	0.32	0.00	0	500.00
\$ / R	On 13/02/2019	Any day expiry			13.51930	13.51930	13.42690	13.42690		15.23	0.00	0.00	0	70.00
\$ / R	On 28/02/2019	Any day expiry			13.54460	13.54460	13.45200	13.45200		15.32	0.00	0.00	0	4,725.00
\$ / R	On 28/02/2019	Any day expiry	13.00	Put	355.97480	0.35597	389.38310	0.38938	355.975	14.63	0.34	0.00	0	500.00
\$ / R	On 28/02/2019	Any day expiry	14.52	Call	334.26150	0.33426	310.76190	0.31076	334.262	16.92	0.32	0.00	0	500.00

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			13.57480	13.57480							7,820.00
\$ / R	10.33	Put	On 18/03/2019	Foreign Exchange Future	7.13010	0.00713	6.91220	0.00691	7.130	15.66	0.01	0.00	0	1,000.00	
\$ / R	11.74	Put	On 18/03/2019	Foreign Exchange Future	64.01110	0.06401	70.28150	0.07028	64.011	14.10	0.09	0.00	0	1,000.00	
\$ / R	12.06	Put	On 18/03/2019	Foreign Exchange Future	105.64700	0.10565	116.59660	0.11660	105.647	14.08	0.13	0.00	0	4,145.00	
\$ / R	12.47	Put	On 18/03/2019	Foreign Exchange Future	191.31500	0.19131	210.86810	0.21087	191.315	14.24	0.21	0.00	0	721.00	
\$ / R	13.45	Call	On 18/03/2019	Foreign Exchange Future	713.20880	0.71321	666.02710	0.66603	713.209	15.21	0.55	0.00	0	4,145.00	
\$ / R	13.46	Put	On 18/03/2019	Foreign Exchange Future	593.88300	0.59388	639.68560	0.63969	593.883	15.22	0.45	0.00	0	20,000.00	
\$ / R	13.75	Put	On 18/03/2019	Foreign Exchange Future	765.83630	0.76584	819.27150	0.81927	765.836	15.64	0.52	0.00	0	17,981.00	
\$ / R	13.86	Put	On 18/03/2019	Foreign Exchange Future	836.62850	0.83663	892.49630	0.89250	836.629	15.80	0.54	0.00	0	721.00	
\$ / R	14.30	Call	On 18/03/2019	Foreign Exchange Future	419.72480	0.41972	391.77280	0.39177	419.725	16.49	0.37	0.00	0	500.00	
\$ / R	14.48	Call	On 18/03/2019	Foreign Exchange Future	376.94620	0.37695	351.76510	0.35177	376.946	16.79	0.34	0.00	0	1,000.00	
\$ / R	14.96	Call	On 18/03/2019	Foreign Exchange Future	284.36230	0.28436	264.49450	0.26449	284.362	17.58	0.27	0.00	0	17,981.00	
\$ / R	15.45	Call	On 18/03/2019	Foreign Exchange Future	210.67640	0.21068	195.24510	0.19525	210.676	18.21	0.20	0.00	0	20,000.00	
\$ / R	15.54	Call	On 18/03/2019	Foreign Exchange Future	199.57690	0.19958	184.83410	0.18483	199.577	18.33	0.20	0.00	0	721.00	
\$ / R			On 27/03/2019	Any day expiry			13.59000	13.59000					0	4,414.00	
\$ / R			On 29/03/2019	Any day expiry			13.59330	13.59330					0	0.00	
\$ / R	13.00	Put	On 29/03/2019	Any day expiry	377.20600	0.37721	410.43460	0.41043	377.206	14.66	0.33	0.00	0	500.00	
\$ / R	14.67	Call	On 29/03/2019	Any day expiry	357.33990	0.35734	334.17080	0.33417	357.340	17.09	0.32	0.00	0	500.00	
\$ / R			On 02/04/2019	Any day expiry			13.60000	13.60000					0	55.00	
\$ / R			On 30/04/2019	Any day expiry			13.64710	13.64710					0	1,280.00	
\$ / R	13.00	Put	On 30/04/2019	Any day expiry	396.80880	0.39681	431.50600	0.43151	396.809	14.64	0.33	0.00	0	3,000.00	
\$ / R	13.49	Call	On 30/04/2019	Any day expiry	794.21030	0.79421	747.15220	0.74715	794.210	15.27	0.56	0.00	0	2,500.00	
\$ / R	14.84	Call	On 30/04/2019	Any day expiry	378.44750	0.37845	356.23630	0.35624	378.448	17.24	0.31	0.00	0	500.00	
\$ / R			On 31/05/2019	Any day expiry			13.69990	13.69990					0	55.00	
\$ / R	13.00	Put	On 31/05/2019	Any day expiry	415.10120	0.41510	449.90270	0.44990	415.101	14.66	0.32	0.00	0	500.00	
\$ / R	15.01	Call	On 31/05/2019	Any day expiry	398.06380	0.39806	374.87240	0.37487	398.064	17.40	0.31	0.00	0	500.00	
\$ / R			On 03/06/2019	Any day expiry			13.70500	13.70500					0	29,000.00	
\$ / R			On 14/06/2019	Foreign Exchange Future			13.72380	13.72380				6,861,900.00	500	15,910.00	
\$ / R	10.69	Put	On 14/06/2019	Foreign Exchange Future	12.03400	0.01203	10.90630	0.01091	12.034	13.27	0.02	0.00	0	1,000.00	
\$ / R	12.28	Put	On 14/06/2019	Foreign Exchange Future	192.71050	0.19271	212.12840	0.21213	192.710	14.22	0.18	0.00	0	1,000.00	
\$ / R	12.75	Put	On 14/06/2019	Foreign Exchange Future	330.59230	0.33059	357.74910	0.35775	330.592	14.53	0.27	0.00	0	1,000.00	
\$ / R	12.98	Put	On 14/06/2019	Foreign Exchange Future	415.02830	0.41503	447.80620	0.44781	415.028	14.66	0.32	0.00	0	911.00	
\$ / R	13.24	Put	On 14/06/2019	Foreign Exchange Future	532.74510	0.53275	572.10270	0.57210	532.745	14.98	0.37	0.00	0	30,000.00	
\$ / R	13.83	Put	On 14/06/2019	Foreign Exchange Future	858.71170	0.85871	911.07510	0.91108	858.712	15.72	0.49	0.00	0	25,000.00	
\$ / R	13.88	Put	On 14/06/2019	Foreign Exchange Future	889.81580	0.88982	943.18070	0.94318	889.816	15.79	0.50	0.00	0	12,450.00	
\$ / R	14.58	Call	On 14/06/2019	Foreign Exchange Future	516.57400	0.51657	487.68870	0.48769	516.574	16.73	0.38	0.00	0	1,000.00	
\$ / R	14.82	Call	On 14/06/2019	Foreign Exchange Future	460.34920	0.46035	434.78430	0.43478	460.349	17.08	0.34	0.00	0	30,000.00	
\$ / R	15.55	Call	On 14/06/2019	Foreign Exchange Future	323.42370	0.32342	304.48800	0.30449	323.424	17.99	0.25	0.00	0	25,000.00	
\$ / R	15.62	Call	On 14/06/2019	Foreign Exchange Future	312.72620	0.31273	294.33910	0.29434	312.726	18.07	0.25	0.00	0	12,450.00	
\$ / R	15.80	Call	On 14/06/2019	Foreign Exchange Future	287.04560	0.28705	269.97850	0.26998	287.046	18.28	0.23	0.00	0	1,000.00	
\$ / R	15.92	Call	On 14/06/2019	Foreign Exchange Future	271.28660	0.27129	255.03910	0.25504	271.287	18.42	0.22	0.00	0	911.00	
\$ / R			On 28/06/2019	Any day expiry			13.74770	13.74770					0	0.00	
\$ / R	13.00	Put	On 28/06/2019	Any day expiry	431.05690	0.43106	464.30570	0.46431	431.057	14.70	0.32	0.00	0	500.00	
\$ / R	15.17	Call	On 28/06/2019	Any day expiry	412.63090	0.41263	388.44020	0.38844	412.631	17.53	0.31	0.00	0	500.00	

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 01/07/2019	Any day expiry												
					13.75280	13.75280	13.65740	13.65740		15.59	0.00	0.00	0	55.00		
\$ / R			On 03/07/2019	Any day expiry												
					13.75620	13.75620	13.66070	13.66070		15.60	0.00	0.00	0	0.00		
\$ / R			On 03/07/2019	Any day expiry	13.45	Put	648.39600	0.64840	692.70090	0.69270	648.396	15.23	0.41	0.00	0	39,250.00
\$ / R			On 03/07/2019	Any day expiry	16.44	Call	235.58660	0.23559	222.47020	0.22247	235.587	18.94	0.19	0.00	0	39,250.00
\$ / R			On 31/07/2019	Any day expiry			13.80390	13.80390	13.70740	13.70740		15.65	0.00	0.00	0	0.00
\$ / R			On 31/07/2019	Any day expiry	13.00	Put	447.99410	0.44799	479.60360	0.47960	447.994	14.73	0.32	0.00	0	500.00
\$ / R			On 31/07/2019	Any day expiry	15.34	Call	430.99520	0.43100	406.91470	0.40691	430.995	17.62	0.30	0.00	0	500.00
\$ / R			On 01/08/2019	Any day expiry			13.80560	13.80560	13.70910	13.70910		15.65	0.00	0.00	0	55.00
\$ / R			On 30/08/2019	Any day expiry			13.85780	13.85780	13.76130	13.76130		15.79	0.00	0.00	0	0.00
\$ / R			On 30/08/2019	Any day expiry	13.00	Put	465.65030	0.46565	497.12560	0.49713	465.650	14.83	0.31	0.00	0	500.00
\$ / R			On 30/08/2019	Any day expiry	15.52	Call	448.45180	0.44845	425.50480	0.42550	448.452	17.83	0.30	0.00	0	500.00
\$ / R			On 02/09/2019	Any day expiry			13.86320	13.86320	13.76670	13.76670		15.79	0.00	0.00	0	55.00
\$ / R			On 16/09/2019	Foreign Exchange Future			13.88860	13.88860	13.79190	13.79190		15.87	0.00	0.00	0	0.00
\$ / R			On 16/09/2019	Foreign Exchange Future	10.75	Put	16.59530	0.01660	18.28780	0.01829	16.595	12.51	0.02	0.00	0	1,000.00
\$ / R			On 16/09/2019	Foreign Exchange Future	12.50	Put	300.28070	0.30028	323.22860	0.32323	300.281	14.58	0.22	0.00	0	1,000.00
\$ / R			On 16/09/2019	Foreign Exchange Future	15.87	Call	414.90850	0.41491	394.41660	0.39442	414.908	18.19	0.28	0.00	0	1,000.00
\$ / R			On 30/09/2019	Any day expiry			13.91400	13.91400	13.81720	13.81720		15.90	0.00	0.00	0	0.00
\$ / R			On 30/09/2019	Any day expiry	13.00	Put	481.58950	0.48159	512.69140	0.51269	481.589	14.91	0.31	0.00	0	500.00
\$ / R			On 30/09/2019	Any day expiry	15.68	Call	470.07870	0.47008	447.31340	0.44731	470.079	17.99	0.30	0.00	0	500.00
\$ / R			On 02/10/2019	Any day expiry			13.91760	13.91760	13.82080	13.82080		15.91	0.00	0.00	0	55.00
\$ / R			On 31/10/2019	Any day expiry			13.97020	13.97020	13.87310	13.87310		16.02	0.00	0.00	0	55.00
\$ / R			On 31/10/2019	Any day expiry	13.00	Put	497.10240	0.49710	527.95320	0.52795	497.102	15.00	0.30	0.00	0	500.00
\$ / R			On 31/10/2019	Any day expiry	15.87	Call	486.55640	0.48656	464.05090	0.46405	486.556	18.18	0.30	0.00	0	500.00
\$ / R			On 29/11/2019	Any day expiry			14.02280	14.02280	13.92540	13.92540		16.11	0.00	0.00	0	0.00
\$ / R			On 29/11/2019	Any day expiry	13.00	Put	510.12650	0.51013	541.46890	0.54147	510.127	15.05	0.30	0.00	0	500.00
\$ / R			On 29/11/2019	Any day expiry	16.03	Call	504.74050	0.50474	481.92760	0.48193	504.741	18.33	0.30	0.00	0	500.00
\$ / R			On 02/12/2019	Any day expiry			14.02820	14.02820	13.93080	13.93080		16.16	0.00	0.00	0	55.00
\$ / R			On 13/12/2019	Foreign Exchange Future			14.04820	14.04820	13.95070	13.95070		16.18	0.00	351,205.00	25	25.00
\$ / R			On 13/12/2019	Foreign Exchange Future	20.00	Call	143.71920	0.14372	135.07210	0.13507	143.719	21.21	0.10	0.00	0	2,000.00
\$ / R			On 31/12/2019	Any day expiry			14.08080	14.08080	13.98310	13.98310		16.24	0.00	0.00	0	0.00
\$ / R			On 31/12/2019	Any day expiry	13.00	Put	522.67010	0.52267	553.67520	0.55368	522.670	15.10	0.30	0.00	0	500.00
\$ / R			On 31/12/2019	Any day expiry	16.21	Call	522.93080	0.52293	500.22470	0.50022	522.931	18.48	0.30	0.00	0	500.00
\$ / R			On 02/01/2020	Any day expiry			14.08450	14.08450	13.98670	13.98670		16.25	0.00	0.00	0	55.00
\$ / R			On 31/01/2020	Any day expiry			14.13700	14.13700	14.03900	14.03900		16.32	0.00	0.00	0	55.00
\$ / R			On 02/03/2020	Any day expiry			14.19330	14.19330	14.09490	14.09490		16.38	0.00	0.00	0	55.00
\$ / R			On 02/04/2020	Any day expiry			14.24950	14.24950	14.15090	14.15090		16.44	0.00	0.00	0	55.00
\$ / R			On 29/04/2020	Any day expiry			14.29840	14.29840	14.19960	14.19960		16.48	0.00	0.00	0	55.00
\$ / R			On 02/06/2020	Any day expiry			14.36010	14.36010	14.26090	14.26090		16.53	0.00	0.00	0	1,055.00
\$ / R			On 12/06/2020	Foreign Exchange Future			14.37820	14.37820	14.27890	14.27890		16.57	0.00	0.00	0	0.00
\$ / R			On 28/07/2020	Any day expiry			14.46160	14.46160	14.36190	14.36190		16.61	0.00	0.00	0	84,000.00
\$ / R			On 14/09/2020	Foreign Exchange Future			14.56240	14.56240	14.46250	14.46250		16.77	0.00	0.00	0	0.00
\$ / R MAXI			On 17/09/2018	Foreign Exchange Future			13.26640	13.26640	13.17600	13.17600		14.86	0.00	0.00	0	345.00
\$ / R MAXI			On 14/12/2018	Foreign Exchange Future			13.41600	13.41600	13.32460	13.32460		15.16	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 MAXI	On 18/03/2019	Foreign Exchange Future			13.57480		13.57480		13.48210	13.48210		15.33	0.00	0.00	0	5.00
\$ / R MAXI	On 14/06/2019	Foreign Exchange Future			13.72380		13.72380		13.62900	13.62900		15.55	0.00	0.00	0	0.00
£ / R	On 17/09/2018	Foreign Exchange Future			17.43580		17.43580		17.31090	17.31090		13.81	0.00	31,523,926.40	1,808	224,932.00
£ / R	On 28/09/2018	Any day expiry			17.46860		17.46860		17.34370	17.34370		13.91	0.00	0.00	0	14.00
£ / R	On 14/12/2018	Foreign Exchange Future			17.70350		17.70350		17.57700	17.57700		14.12	0.00	17,738,907.00	1,002	12,534.00
£ / R	On 18/03/2019	Foreign Exchange Future			17.99630		17.99630		17.86730	17.86730		14.80	0.00	8,998,150.00	500	4,932.00
£ / R	On 14/06/2019	Foreign Exchange Future			18.27330		18.27330		18.14020	18.14020		15.50	0.00	0.00	0	6,156.00
£ / R	On 16/09/2019	Foreign Exchange Future			18.58080		18.58080		18.44420	18.44420		16.04	0.00	0.00	0	895.00
¥ / R	On 23/08/2018	Any day expiry			0.11830		0.11830		0.11750	0.11750		22.10	0.00	0.00	0	0.00
¥ / R	On 17/09/2018	Foreign Exchange Future			0.11895		0.11895		0.11808	0.11808		20.86	0.00	0.00	0	115.00
¥ / R	On 14/12/2018	Foreign Exchange Future			0.12108		0.12108		0.12021	0.12021		17.74	0.00	0.00	0	0.00
¥ / R	On 18/03/2019	Foreign Exchange Future			0.12349		0.12349		0.12258	0.12258		15.90	0.00	0.00	0	0.00
¥ / R	On 14/06/2019	Foreign Exchange Future			0.12578		0.12578		0.12486	0.12486		20.10	0.00	0.00	0	0.00
€ / R	On 07/09/2018	Any day expiry			15.49680		15.49680		15.43730	15.43730		13.81	0.00	0.00	0	34.00
€ / R	On 11/09/2018	Any day expiry			15.50950		15.50950		15.45000	15.45000		13.74	0.00	0.00	0	0.00
€ / R	On 17/09/2018	Foreign Exchange Future			15.52850		15.52850		15.46910	15.46910		13.82	0.00	1,040,409.50	67	132,145.00
€ / R	On 17/09/2018	Foreign Exchange Future	13.50	Put	2.96080		0.00296		3.32480	0.00332	2.961	16.78	0.01	0.00	0	29,734.00
€ / R	On 17/09/2018	Foreign Exchange Future	14.25	Put	15.91330		0.01591		18.53390	0.01853	15.913	14.50	0.05	0.00	0	57,090.00
€ / R	On 17/09/2018	Foreign Exchange Future	15.85	Put	510.90720		0.51091		556.01020	0.55601	510.907	14.48	0.64	0.00	0	86,824.00
€ / R	On 17/09/2018	Foreign Exchange Future	16.76	Call	43.11230		0.04311		40.10170	0.04010	43.112	16.36	0.10	0.00	0	29,734.00
€ / R	On 17/09/2018	Foreign Exchange Future	19.56	Call	1.97170		0.00197		2.15180	0.00215	1.972	24.38	0.00	0.00	0	86,824.00
€ / R	On 25/09/2018	Any day expiry			15.55380		15.55380		15.49440	15.49440		13.82	0.00	0.00	0	0.00
€ / R	On 14/12/2018	Foreign Exchange Future			15.81450		15.81450		15.75380	15.75380		14.12	0.00	14,486,082.00	916	34,373.00
€ / R	On 18/03/2019	Foreign Exchange Future			16.13260		16.13260		16.06990	16.06990		14.32	0.00	0.00	0	4,721.00
€ / R	On 18/03/2019	Foreign Exchange Future	16.00	Call	786.86380		0.78686		757.64240	0.75764	786.864	14.16	0.55	0.00	0	650.00
€ / R	On 14/06/2019	Foreign Exchange Future			16.43760		16.43760		16.37230	16.37230		14.50	0.00	0.00	0	5,256.00
10Y STND	On 17/12/2025	Interest Rate Swap			95.44000		95.44000		95.19000	95.19000			0.00	0.00	0	0.00
10Y STND	On 16/03/2026	Interest Rate Swap			92.45000		92.45000		92.18000	92.18000			0.00	0.00	0	0.00
10Y STND	On 15/06/2026	Interest Rate Swap			91.20000		91.20000		90.92000	90.92000			0.00	0.00	0	0.00
10Y STND	On 21/09/2026	Interest Rate Swap			93.35000		93.35000		93.07000	93.07000			0.00	0.00	0	0.00
10Y STND	On 21/12/2026	Interest Rate Swap			97.12000		97.12000		96.84000	96.84000			0.00	0.00	0	0.00
10Y STND	On 15/03/2027	Interest Rate Swap			95.69000		95.69000		95.39000	95.39000			0.00	0.00	0	0.00
10Y STND	On 21/06/2027	Interest Rate Swap			97.75000		97.75000		97.45000	97.45000			0.00	0.00	0	0.00
10Y STND	On 20/09/2027	Interest Rate Swap			103.16000		103.16000		102.86000	102.86000			0.00	0.00	0	0.00
10Y STND	On 20/12/2027	Interest Rate Swap			103.49000		103.49000		103.18000	103.18000			0.00	0.00	0	0.00
10Y STND	On 22/03/2028	Interest Rate Swap			97.02000		97.02000		96.68000	96.68000			0.00	0.00	0	0.00
10Y STND	On 20/06/2028	Interest Rate Swap			104.15000		104.15000		103.81000	103.81000			0.00	0.00	0	0.00
1Y STND	On 20/09/2018	Interest Rate Swap			101.76000		101.76000		101.76000	101.76000			0.00	0.00	0	0.00
1Y STND	On 20/12/2018	Interest Rate Swap			102.23000		102.23000		102.24000	102.24000			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
1Y STND	On 22/03/2019	Interest Rate Swap	99.56000	99.56000	99.56000	99.57000	99.57000				0.00	0.00	0	0.00
1Y STND	On 20/06/2019	Interest Rate Swap	102.00000	102.00000	102.00000	102.00000	102.00000				0.00	0.00	0	0.00
2Y STND	On 21/09/2018	Interest Rate Swap	98.52000	98.52000	98.52000	98.52000	98.52000				0.00	0.00	0	0.00
2Y STND	On 21/12/2018	Interest Rate Swap	98.90000	98.90000	98.90000	98.90000	98.90000				0.00	0.00	0	0.00
2Y STND	On 15/03/2019	Interest Rate Swap	99.30000	99.30000	99.30000	99.31000	99.31000				0.00	0.00	0	0.00
2Y STND	On 21/06/2019	Interest Rate Swap	99.74000	99.74000	99.74000	99.74000	99.74000				0.00	0.00	0	0.00
2Y STND	On 20/09/2019	Interest Rate Swap	101.91000	101.91000	101.91000	101.90000	101.90000				0.00	0.00	0	0.00
2Y STND	On 20/12/2019	Interest Rate Swap	102.90000	102.90000	102.90000	102.89000	102.89000				0.00	0.00	0	0.00
2Y STND	On 23/03/2020	Interest Rate Swap	98.98000	98.98000	98.98000	98.96000	98.96000				0.00	0.00	0	0.00
2Y STND	On 22/06/2020	Interest Rate Swap	102.60000	102.60000	102.60000	102.57000	102.57000				0.00	0.00	0	0.00
5Y STND	On 17/12/2020	Interest Rate Swap	96.51000	96.51000	96.51000	96.47000	96.47000				0.00	0.00	0	0.00
5Y STND	On 16/03/2021	Interest Rate Swap	95.75000	95.75000	95.75000	95.69000	95.69000				0.00	0.00	0	0.00
5Y STND	On 15/06/2021	Interest Rate Swap	94.94000	94.94000	94.94000	94.89000	94.89000				0.00	0.00	0	0.00
5Y STND	On 21/09/2021	Interest Rate Swap	95.13000	95.13000	95.13000	95.05000	95.05000				0.00	0.00	0	0.00
5Y STND	On 21/12/2021	Interest Rate Swap	97.32000	97.32000	97.32000	97.23000	97.23000				0.00	0.00	0	51.00
5Y STND	On 15/03/2022	Interest Rate Swap	97.44000	97.44000	97.44000	97.34000	97.34000				0.00	0.00	0	0.00
5Y STND	On 21/06/2022	Interest Rate Swap	98.63000	98.63000	98.63000	98.51000	98.51000				0.00	0.00	0	0.00
5Y STND	On 20/09/2022	Interest Rate Swap	102.54000	102.54000	102.54000	102.41000	102.41000				0.00	0.00	0	0.00
5Y STND	On 20/12/2022	Interest Rate Swap	103.78000	103.78000	103.78000	103.64000	103.64000				0.00	0.00	0	0.00
5Y STND	On 22/03/2023	Interest Rate Swap	97.18000	97.18000	97.18000	97.02000	97.02000				0.00	0.00	0	0.00
5Y STND	On 20/06/2023	Interest Rate Swap	103.20000	103.20000	103.20000	103.03000	103.03000				0.00	0.00	0	0.00
AL37	On 02/08/2018	Index Future	586.78300	586.78300	586.78300	587.61800	587.61800				0.00	0.00	0	0.00
AL37	On 01/11/2018	Index Future	597.24800	597.24800	597.24800	598.09800	598.09800				0.00	0.00	0	0.00
AL37	On 07/02/2019	Index Future	608.82100	608.82100	608.82100	609.69200	609.69200				0.00	0.00	0	0.00
AL37	On 02/05/2019	Index Future	619.00200	619.00200	619.00200	619.88200	619.88200				0.00	0.00	0	0.00
AL7T	On 02/08/2018	Index Future	686.98600	686.98600	686.98600	688.48900	688.48900				0.00	0.00	0	0.00
AL7T	On 01/11/2018	Index Future	699.23800	699.23800	699.23800	700.76800	700.76800				0.00	0.00	0	0.00
AL7T	On 07/02/2019	Index Future	712.78800	712.78800	712.78800	714.35200	714.35200				0.00	0.00	0	0.00
AL7T	On 02/05/2019	Index Future	724.70800	724.70800	724.70800	726.29200	726.29200				0.00	0.00	0	0.00
ALBI	On 02/08/2018	Index Future	624.82300	624.82300	624.82300	626.32200	626.32200				0.00	6,248,230.00	1	245.00
ALBI	On 01/11/2018	Index Future	635.96700	635.96700	635.96700	637.49200	637.49200				0.00	6,359,670.00	1	863.00
ALBI	On 07/02/2019	Index Future	648.29100	648.29100	648.29100	649.85000	649.85000				0.00	0.00	0	0.00
ALBI	On 02/05/2019	Index Future	659.13100	659.13100	659.13100	660.71100	660.71100				0.00	0.00	0	0.00
AU\$ / R	On 17/09/2018	Foreign Exchange Future	9.82180	9.82180	9.82180	9.79100	9.79100			10.95	0.00	88,396.20	9	12,322.00
AU\$ / R	On 14/12/2018	Foreign Exchange Future	9.93810	9.93810	9.93810	9.90700	9.90700			11.13	0.00	0.00	0	11,417.00
AU\$ / R	On 18/03/2019	Foreign Exchange Future	10.06570	10.06570	10.06570	10.03400	10.03400			11.63	0.00	0.00	0	0.00
AU\$ / R	On 14/06/2019	Foreign Exchange Future	10.18880	10.18880	10.18880	10.15590	10.15590			12.29	0.00	0.00	0	4,929.00

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
CAD / R	On 14/12/2018	Foreign Exchange Future		10.33870	10.33870		10.25850	10.25850		12.15	0.00	0.00	0	595.00
CAD / R	On 18/03/2019	Foreign Exchange Future		10.47710	10.47710		10.39530	10.39530		12.87	0.00	0.00	0	0.00
CF CANDO CC01	On 15/10/2018	Can-Do Future		288.76390	288.76390		289.59420	289.59420			0.00	0.00	0	25,000.00
CHF / R	On 17/09/2018	Foreign Exchange Future		13.41520	13.41520		13.36150	13.36150		13.49	0.00	0.00	0	1,575.00
CHF / R	On 14/12/2018	Foreign Exchange Future		13.67540	13.67540		13.62070	13.62070		13.83	0.00	0.00	0	400.00
CHF / R	On 18/03/2019	Foreign Exchange Future		13.96480	13.96480		13.90870	13.90870		14.03	0.00	0.00	0	0.00
CHF / R	On 14/06/2019	Foreign Exchange Future		14.24200	14.24200		14.18340	14.18340		14.30	0.00	0.00	0	150.00
CNH / R	On 17/09/2018	Foreign Exchange Future		1.94150	1.94150		1.93300	1.93300		12.23	0.00	0.00	0	0.00
CNH / R	On 14/12/2018	Foreign Exchange Future		1.96140	1.96140		1.95260	1.95260		12.28	0.00	0.00	0	0.00
CNH / R	On 18/03/2019	Foreign Exchange Future		1.98220	1.98220		1.97310	1.97310		13.10	0.00	0.00	0	0.00
CNH / R	On 14/06/2019	Foreign Exchange Future		2.00170	2.00170		1.99210	1.99210		13.74	0.00	0.00	0	0.00
DKK / R	On 17/09/2018	Foreign Exchange Future		2.08830	2.08830		2.08020	2.08020		13.13	0.00	0.00	0	245.00
DKK / R	On 14/12/2018	Foreign Exchange Future		2.12830	2.12830		2.12000	2.12000		13.38	0.00	0.00	0	15.00
DKK / R	On 18/03/2019	Foreign Exchange Future		2.17170	2.17170		2.16320	2.16320		13.57	0.00	0.00	0	0.00
DKK / R	On 14/06/2019	Foreign Exchange Future		2.21360	2.21360		2.20470	2.20470		14.24	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 02/08/2018	Bond Future		10.64116	79.58487		10.61461	79.74776			0.00	0.00	0	0.00
ES33	On 01/11/2018	Bond Future		10.74827	77.21605		10.72077	77.38194			0.00	0.00	0	9,466.00
ES33	On 07/02/2019	Bond Future		10.86989	78.71217		10.84126	78.88162			0.00	0.00	0	0.00
ES33	On 02/05/2019	Bond Future		10.97299	76.23826		10.94355	76.40977			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 02/08/2018	Bond Future		10.84613	82.52356		10.81948	82.71142			0.00	0.00	0	0.00
ES42	On 01/11/2018	Bond Future		10.94955	79.73535		10.92195	79.92665			0.00	0.00	0	7,957.00
ES42	On 07/02/2019	Bond Future		11.06293	81.28011		11.03423	81.47554			0.00	0.00	0	0.00
ES42	On 02/05/2019	Bond Future		11.16385	78.37872		11.13433	78.57652			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

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
GOVI	On 02/08/2018	GOVI		620.68500	620.68500		622.26500	622.26500			0.00	62,068,500.00	10	21.00
GOVI	On 01/11/2018	GOVI		631.75500	631.75500		633.36300	633.36300			0.00	31,587,750.00	5	465.00
GOVI	On 07/02/2019	GOVI		643.99700	643.99700		645.64100	645.64100			0.00	0.00	0	0.00
GOVI	On 02/05/2019	GOVI		654.76600	654.76600		656.43200	656.43200			0.00	0.00	0	0.00
HK\$/R	On 17/09/2018	Foreign Exchange Future		1.69190	1.69190		1.68080	1.68080		15.01	0.00	0.00	0	0.00
HK\$/R	On 14/12/2018	Foreign Exchange Future		1.71380	1.71380		1.70260	1.70260		14.94	0.00	0.00	0	0.00
HK\$/R	On 18/03/2019	Foreign Exchange Future		1.73670	1.73670		1.72540	1.72540		15.43	0.00	0.00	0	0.00
HK\$/R	On 14/06/2019	Foreign Exchange Future		1.75780	1.75780		1.74640	1.74640		15.48	0.00	0.00	0	0.00
I2025	On 02/08/2018	Bond Future		130.66182	130.66182		130.86254	130.86254			0.00	0.00	0	498.00
I2025	On 01/11/2018	Bond Future		133.02404	133.02404		133.22865	133.22865			0.00	0.00	0	365.00
I2025	On 07/02/2019	Bond Future		134.21090	134.21090		134.42114	134.42114			0.00	0.00	0	0.00
I2025	On 02/05/2019	Bond Future		136.47922	136.47922		136.69118	136.69118			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 02/08/2018	Bond Future		99.58494	99.58494		99.61690	99.61690			0.00	0.00	0	0.00
I2029	On 01/11/2018	Bond Future		100.33863	100.33863		100.36844	100.36844			0.00	0.00	0	1,370.00
I2029	On 07/02/2019	Bond Future		102.30056	102.30056		102.33160	102.33160			0.00	0.00	0	0.00
I2029	On 02/05/2019	Bond Future		102.95700	102.95700		102.98920	102.98920			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 02/08/2018	Bond Future		103.12595	103.12595		103.15937	103.15937			0.00	0.00	0	9,076.00
I2033	On 01/11/2018	Bond Future		103.87209	103.87209		103.90347	103.90347			0.00	0.00	0	5,770.00
I2033	On 07/02/2019	Bond Future		105.90319	105.90319		105.93592	105.93592			0.00	0.00	0	0.00
I2033	On 02/05/2019	Bond Future		106.54837	106.54837		106.58166	106.58166			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 02/08/2018	Bond Future		122.96801	122.96801		122.44141	122.44141			0.00	0.00	0	429.00
I2038	On 01/11/2018	Bond Future		125.19120	125.19120		124.65537	124.65537			0.00	0.00	0	9,621.00
I2038	On 07/02/2019	Bond Future		126.04798	126.04798		125.50341	125.50341			0.00	0.00	0	0.00
I2038	On 02/05/2019	Bond Future		128.17834	128.17834		127.62280	127.62280			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 02/08/2018	Bond Future		117.37187	117.37187		116.96051	116.96051			0.00	0.00	0	7,628.00
I2046	On 01/11/2018	Bond Future		117.84904	117.84904		117.42595	117.42595			0.00	0.00	0	11,966.00
I2046	On 07/02/2019	Bond Future		120.15345	120.15345		119.72280	119.72280			0.00	0.00	0	0.00
I2046	On 02/05/2019	Bond Future		120.49872	120.49872		120.06241	120.06241			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 02/08/2018	Bond Future		121.16988	121.16988		121.07960	121.07960			0.00	0.00	0	232.00
I2050	On 01/11/2018	Bond Future		123.36064	123.36064		123.26876	123.26876			0.00	0.00	0	9,854.00
I2050	On 07/02/2019	Bond Future		124.00134	124.00134		123.90831	123.90831			0.00	0.00	0	0.00
I2050	On 02/05/2019	Bond Future		126.09699	126.09699		126.00080	126.00080			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	
I2050	On 31/12/2050	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00	
IGOV	On 02/08/2018	Index Future	250.89800		250.89800		250.71400	250.71400			0.00	0.00	0	424.00	
IGOV	On 01/11/2018	Index Future	255.43400		255.43400		255.24700	255.24700			0.00	0.00	0	718.00	
IGOV	On 07/02/2019	Index Future	260.42900		260.42900		260.24000	260.24000			0.00	0.00	0	0.00	
IGOV	On 02/05/2019	Index Future	264.83100		264.83100		264.63600	264.63600			0.00	0.00	0	0.00	
JIBAR FUTURE	On 19/09/2018	Jibar Tradeable Future	7.07000		92.93000		7.07000	92.93000			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	35,000.00	
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 17/09/2018	Foreign Exchange Future	0.13110	0.13110		0.13010	0.13010				0.00	0.00	0	562.00	
KES / R	On 14/12/2018	Foreign Exchange Future	0.13060	0.13060		0.12920	0.12920				0.00	0.00	0	0.00	
KES / R	On 18/03/2019	Foreign Exchange Future	0.12970	0.12970		0.12860	0.12860				0.00	0.00	0	0.00	
KES / R	On 14/06/2019	Foreign Exchange Future	0.12830	0.12830		0.12830	0.12830				0.00	0.00	0	1,093.00	
NOK/R	On 17/09/2018	Foreign Exchange Future	1.62710	1.62710		1.62130	1.62130			12.41	0.00	0.00	0	0.00	
NOK/R	On 14/12/2018	Foreign Exchange Future	1.65140	1.65140		1.64550	1.64550			12.25	0.00	0.00	0	0.00	
NOK/R	On 18/03/2019	Foreign Exchange Future	1.67720	1.67720		1.67130	1.67130			13.15	0.00	0.00	0	0.00	
NOK/R	On 14/06/2019	Foreign Exchange Future	1.70180	1.70180		1.69550	1.69550			13.72	0.00	0.00	0	0.00	
NZ\$ / R	On 17/09/2018	Foreign Exchange Future	9.01180	9.01180		8.97360	8.97360			12.06	0.00	0.00	0	0.00	
NZ\$ / R	On 14/12/2018	Foreign Exchange Future	9.11680	9.11680		9.07880	9.07880			12.24	0.00	0.00	0	0.00	
NZ\$ / R	On 18/03/2019	Foreign Exchange Future	9.23350	9.23350		9.19460	9.19460			13.02	0.00	0.00	0	0.00	
NZ\$ / R	On 14/06/2019	Foreign Exchange Future	9.34640	9.34640		9.30640	9.30640			13.81	0.00	0.00	0	0.00	
PULA / R	On 17/09/2018	Foreign Exchange Future	1.29200	1.29200		1.28580	1.28580				0.00	0.00	0	0.00	
PULA / R	On 14/12/2018	Foreign Exchange Future	1.30230	1.30230		1.29430	1.29430				0.00	0.00	0	0.00	
PULA / R	On 18/03/2019	Foreign Exchange Future	1.31210	1.31210		1.30360	1.30360				0.00	0.00	0	0.00	
PULA / R	On 14/06/2019	Foreign Exchange Future	1.32110	1.32110		1.31170	1.31170				0.00	0.00	0	0.00	
QUANTO £ / \$	On 17/09/2018	Foreign Exchange Future	1.31430	1.31430		1.31380	1.31380				0.00	1,314.30	1	9.00	
QUANTO € / \$	On 17/09/2018	Foreign Exchange Future	1.17050	1.17050		1.17400	1.17400				0.00	0.00	0	145.00	
R / ¥	On 23/08/2018	Any day expiry	8.45040	8.45040	0.11791	8.51070	8.51070			15.15	0.00	0.00	0	0.00	
R / ¥	On 23/08/2018	Any day expiry	8.07	Put	284.53590	0.02845	0.11791	274.22910	0.02742	284.536	18.09	0.14	0.00	0	13,000.00
R / ¥	On 23/08/2018	Any day expiry	8.27	Call	2,455.29550	0.24553	0.11791	2,991.83130	0.29918	2,455.295	16.71	0.71	0.00	0	13,000.00
R / ¥	On 23/08/2018	Any day expiry	8.35	Call	1,891.94870	0.18919	0.11791	2,387.56490	0.23876	1,891.949	16.17	0.63	0.00	0	20,000.00
R / ¥EN	On 17/09/2018	Foreign Exchange Future	8.40710	8.40710	0.11791	8.46880	8.46880			15.59	0.00	0.00	0	0.00	
R186	On 02/08/2018	Bond Future	8.61068	112.43565		8.57766	112.64402			6.66	0.00	480,774,839.40	4,276	69,961.00	

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 02/08/2018	Bond Future	7.50	Call	0.00000	0.00000		0.00000	0.00000	0.00000	0.000	6.08	0.00	0.00	0	3,020.00
R186	On 02/08/2018	Bond Future	8.25	Call	0.00000	0.00000		0.01000	0.00001	0.000	0.000	6.46	0.00	0.00	0	3,020.00
R186	On 02/08/2018	Bond Future	8.75	Call	875.72000	0.87572		1,088.35000	1.08835	875.720	6.89	0.98	0.00	0.00	0	2,500.00
R186	On 02/08/2018	Bond Future	8.75	Put	2.19000	0.00219		6.45000	0.00645	2.190	6.89	0.02	0.00	0.00	0	2,500.00
R186	On 02/08/2018	Bond Future	8.90	Put	0.00000	0.00000		0.04000	0.00004	0.000	7.08	0.00	0.00	0.00	0	2,500.00
R186	On 01/11/2018	Bond Future			8.67189	114.44094		8.63734	114.65317		7.33	0.00	1,642,227,489.00	14,350	55,290.00	
R186	On 01/11/2018	Bond Future	7.96	Call	244.98000	0.24498		278.39000	0.27839	244.980	6.68	0.13	0.00	0.00	0	5,000.00
R186	On 01/11/2018	Bond Future	8.46	Call	1,069.84000	1.06984		1,161.61000	1.16161	1,069.840	7.13	0.38	0.00	0.00	0	5,000.00
R186	On 01/11/2018	Bond Future	8.90	Put	1,091.43000	1.09143		1,024.51000	1.02451	1,091.430	7.44	0.37	0.00	0.00	0	2,500.00
R186	On 01/11/2018	Bond Future	9.14	Put	677.67000	0.67767		633.18000	0.63318	677.670	7.67	0.25	0.00	0.00	0	5,000.00
R186	On 07/02/2019	Bond Future			8.74082	111.35327		8.70444	111.57014		7.66	0.00	0.00	0.00	0	719.00
R186	On 02/05/2019	Bond Future			8.80260	113.21468		8.76482	113.43395		7.33	0.00	0.00	0.00	0	0.00
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 02/08/2018	Bond Future			297.46937	297.46937		297.70951	297.70951				0.00	0.00	0	1,235.00
R197	On 01/11/2018	Bond Future			302.84755	302.84755		303.09224	303.09224				0.00	0.00	0	2,350.00
R197	On 07/02/2019	Bond Future			301.41847	301.41847		301.66441	301.66441				0.00	0.00	0	0.00
R197	On 02/05/2019	Bond Future			306.51248	306.51248		306.75854	306.75854				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 02/08/2018	Bond Future			232.95896	232.95896		233.03369	233.03369				0.00	0.00	0	12,245.00
R202	On 01/11/2018	Bond Future			237.17067	237.17067		237.24725	237.24725				0.00	0.00	0	10,129.00
R202	On 07/02/2019	Bond Future			237.90412	237.90412		237.98055	237.98055				0.00	0.00	0	0.00
R202	On 02/05/2019	Bond Future			241.92483	241.92483		241.99936	241.99936				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 02/08/2018	Bond Future			8.08563	102.10050		8.04743	102.24300			3.46	0.00	47,068,330.50	461	14,637.00
R2023	On 01/11/2018	Bond Future			8.14714	99.99556		8.10627	100.14072			4.09	0.00	2,099,906.76	21	41,469.00
R2023	On 07/02/2019	Bond Future			8.22096	101.93316		8.17669	102.08160			4.06	0.00	0.00	0	0.00
R2023	On 02/05/2019	Bond Future			8.28005	99.70961		8.23302	99.85948			4.13	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
R2030	On 02/08/2018	Bond Future			9.01065	93.01025		8.97256	93.26667			9.18	0.00	42,319,663.75	455	34,636.00
R2030	On 02/08/2018	Bond Future	8.51	Call	0.00000	0.00000		0.00000	0.00000	0.000	8.47	0.00	0.00	0.00	0	7,850.00
R2030	On 02/08/2018	Bond Future	8.91	Call	12.04000	0.01204		93.67000	0.09367	12.040	9.07	0.06	0.00	0.00	0	7,850.00
R2030	On 02/08/2018	Bond Future	9.50	Put	0.00000	0.00000		0.00000	0.00000	0.000	9.95	0.00	0.00	0.00	0	7,850.00
R2030	On 01/11/2018	Bond Future			9.06961	94.66907		9.03015	94.93020			9.94	0.00	86,148,853.70	910	48,226.00
R2030	On 07/02/2019	Bond Future			9.13591	92.49399		9.09482	92.76064			10.48	0.00	0.00	0	167.00
R2030	On 02/05/2019	Bond Future			9.19720	94.04004		9.15486	94.31013			10.34	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

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
R2032	On 02/08/2018	Bond Future		9.19570	95.61933		9.16275	95.86002		9.91	0.00	0.00	0	19,886.00
R2032	On 01/11/2018	Bond Future		9.25860	93.16978		9.22452	93.41487		11.12	0.00	0.00	0	34,700.00
R2032	On 07/02/2019	Bond Future		9.32820	94.97496		9.29280	95.22525		11.28	0.00	0.00	0	456.00
R2032	On 02/05/2019	Bond Future		9.38827	92.40728		9.35190	92.66064		11.71	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 02/08/2018	Bond Future		9.33069	100.04152		9.30270	100.26907		10.53	0.00	4,001,660.80	40	37,551.00
R2035	On 01/11/2018	Bond Future		9.39395	97.33008		9.36506	97.56170		11.87	0.00	3,893,203.20	40	68,063.00
R2035	On 07/02/2019	Bond Future		9.46514	99.21600		9.43516	99.45259		12.07	0.00	0.00	0	298.00
R2035	On 02/05/2019	Bond Future		9.52262	96.37679		9.49189	96.61625		12.57	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 02/08/2018	Bond Future		9.39565	92.37247		9.36755	92.60256		11.56	0.00	0.00	0	22,706.00
R2037	On 01/11/2018	Bond Future		9.45410	94.01997		9.42515	94.25416		12.46	0.00	0.00	0	48,614.00
R2037	On 07/02/2019	Bond Future		9.51933	91.58169		9.48934	91.82094		13.27	0.00	0.00	0	650.00
R2037	On 02/05/2019	Bond Future		9.57846	93.11248		9.54773	93.35472		13.22	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 02/08/2018	Bond Future		6.63093	101.49243		6.60842	101.50073		0.15	0.00	854,464,768.17	8,419	1,606.00
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 02/08/2018	Bond Future		9.47065	95.87873		9.44255	96.12651		11.99	0.00	0.00	0	13,118.00
R2040	On 01/11/2018	Bond Future		9.52894	97.58878		9.49999	97.84109		12.96	0.00	0.00	0	19,698.00
R2040	On 01/11/2018	Bond Future	8.50	Call	105.28000	0.10528	121.10000	0.12110	105.280	11.09	0.05	0.00	0	2,950.00
R2040	On 01/11/2018	Bond Future	9.10	Call	992.60000	0.99260	1,075.18000	1.07518	992.600	12.30	0.28	0.00	0	2,950.00
R2040	On 01/11/2018	Bond Future	9.20	Call	1,286.07000	1.28607	1,383.51000	1.38351	1,286.070	12.51	0.33	0.00	0	3,540.00
R2040	On 01/11/2018	Bond Future	9.80	Call	3,907.77000	3.90777	4,086.97000	4.08697	3,907.770	13.41	0.65	0.00	0	3,540.00
R2040	On 07/02/2019	Bond Future		9.59392	94.96911		9.56396	95.22677		13.84	0.00	0.00	0	100.00
R2040	On 02/05/2019	Bond Future		9.65265	96.55645		9.62196	96.81738		13.81	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 02/08/2018	Bond Future		9.50562	92.95939		9.47746	93.21220		12.63	0.00	41,924,684.89	451	12,254.00
R2044	On 01/11/2018	Bond Future		9.56197	94.61731		9.53298	94.87476		13.66	0.00	42,672,406.81	451	38,689.00
R2044	On 07/02/2019	Bond Future		9.62467	92.06529		9.59469	92.32823		14.61	0.00	0.00	0	108.00
R2044	On 02/05/2019	Bond Future		9.68118	93.60416		9.65050	93.87039		14.59	0.00	0.00	0	0.00
R2044	On 31/01/2044	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2048	On 02/08/2018	Bond Future		9.50063	96.39995		9.46747	96.70640		12.51	0.00	96,399.95	1	74,628.00
R2048	On 01/11/2018	Bond Future		9.55830	93.68681		9.52416	93.99884		14.18	0.00	0.00	0	96,472.00
R2048	On 07/02/2019	Bond Future		9.62273	95.50215		9.58744	95.82064		14.48	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
R2048	On 02/05/2019	Bond Future			9.67456		92.66423		9.63844	92.98703		15.16	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 02/08/2018	Bond Future			7.41542		100.22426		7.37134	100.28331		0.71	0.00	145,325,177.00	1,450	3,376.00
R207	On 01/11/2018	Bond Future			7.44525		102.01176		7.39151	102.07195		0.72	0.00	131,391,146.88	1,288	19,140.00
R207	On 07/02/2019	Bond Future			7.48835		100.34336		7.41776	100.40519		0.71	0.00	0.00	0	0.00
R207	On 02/05/2019	Bond Future			7.56240		102.02077		7.46906	102.08257		0.61	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 02/08/2018	Bond Future			7.71563		100.09272		7.67232	100.19336		1.68	0.00	177,864,763.44	1,777	7,728.00
R208	On 01/11/2018	Bond Future			7.77186		98.47842		7.72358	98.58092		1.96	0.00	0.00	0	28,717.00
R208	On 07/02/2019	Bond Future			7.84244		100.38652		7.78729	100.49148		2.01	0.00	0.00	0	0.00
R208	On 02/05/2019	Bond Future			7.90897		98.66492		7.84724	98.77056		2.01	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 02/08/2018	Bond Future			9.31062		75.91281		9.28246	76.10684		12.00	0.00	1,316,328,125.40	17,340	70,011.00
R209	On 02/08/2018	Bond Future	8.46	Call	0.00000		0.00000		0.00000	0.00000	0.000	10.69	0.00	0.00	0	5,000.00
R209	On 02/08/2018	Bond Future	8.96	Call	0.00000		0.00000		0.05000	0.00005	0.000	11.51	0.00	0.00	0	5,000.00
R209	On 02/08/2018	Bond Future	9.43	Put	9.48000		0.00948		21.92000	0.02192	9.480	12.31	0.05	0.00	0	5,000.00
R209	On 02/08/2018	Bond Future	9.66	Call	2,346.14000		2.34614		2,540.20000	2.54020	2,346.140	12.80	1.00	0.00	0	435.00
R209	On 02/08/2018	Bond Future	10.21	Put	0.00000		0.00000		0.00000	0.00000	0.000	14.00	0.00	0.00	0	435.00
R209	On 02/08/2018	Bond Future	10.84	Put	0.00000		0.00000		0.00000	0.00000	0.000	14.07	0.00	0.00	0	435.00
R209	On 01/11/2018	Bond Future			9.36641		74.11906		9.33741	74.31668		13.49	0.00	1,752,915,769.00	23,650	131,875.00
R209	On 01/11/2018	Bond Future	8.89	Call	721.45000		0.72145		782.37000	0.78237	721.450	12.89	0.26	0.00	0	2,000.00
R209	On 01/11/2018	Bond Future	8.99	Call	936.35000		0.93635		1,008.51000	1.00851	936.350	13.10	0.31	0.00	0	760.00
R209	On 01/11/2018	Bond Future	9.47	Put	1,710.17000		1.71017		1,637.20000	1.63720	1,710.170	13.82	0.43	0.00	0	760.00
R209	On 01/11/2018	Bond Future	9.64	Call	3,114.36000		3.11436		3,254.73000	3.25473	3,114.360	14.15	0.65	0.00	0	2,000.00
R209	On 01/11/2018	Bond Future	9.82	Put	946.64000		0.94664		903.27000	0.90327	946.640	14.54	0.27	0.00	0	760.00
R209	On 01/11/2018	Bond Future	9.98	Put	717.62000		0.71762		684.23000	0.68423	717.620	14.91	0.22	0.00	0	2,000.00
R209	On 01/11/2018	Bond Future	10.00	Put	693.05000		0.69305		660.76000	0.66076	693.050	14.96	0.21	0.00	0	5,850.00
R209	On 07/02/2019	Bond Future			9.42766		75.55509		9.39769	75.75689		13.73	0.00	0.00	0	340.00
R209	On 02/05/2019	Bond Future			9.48013		73.67013		9.44946	73.87453		14.27	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

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
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 02/08/2018	Bond Future	185.17727		185.17727		185.23724	185.23724			0.00	0.00	0	300.00
R210	On 01/11/2018	Bond Future	186.03175		186.03175		186.08635	186.08635			0.00	0.00	0	2,149.00
R210	On 07/02/2019	Bond Future	189.66938		189.66938		189.72606	189.72606			0.00	0.00	0	0.00
R210	On 02/05/2019	Bond Future	190.32008		190.32008		190.38000	190.38000			0.00	0.00	0	0.00
R210	On 31/03/2028	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R212	On 02/08/2018	Bond Future	153.39097		153.39097		153.44492	153.44492			0.00	0.00	0	2,357.00
R212	On 01/11/2018	Bond Future	156.16421		156.16421		156.21931	156.21931			0.00	0.00	0	3,476.00
R212	On 07/02/2019	Bond Future	157.06275		157.06275		157.12120	157.12120			0.00	0.00	0	0.00
R212	On 02/05/2019	Bond Future	159.71720		159.71720		159.77453	159.77453			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 02/08/2018	Bond Future	9.10566	87.46356		9.07259	87.68199			9.62	0.00	0.00	0	14,535.00
R213	On 01/11/2018	Bond Future	9.16694	85.47751		9.13275	85.69990			10.95	0.00	0.00	0	32,893.00
R213	On 07/02/2019	Bond Future	9.23615	87.13383		9.20062	87.36092			11.09	0.00	0.00	0	112.00
R213	On 02/05/2019	Bond Future	9.29201	85.04290		9.25551	85.27288			11.39	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 02/08/2018	Bond Future	9.45562	75.44615		9.42743	75.64969			12.79	0.00	0.00	0	15,576.00
R214	On 01/11/2018	Bond Future	9.51231	73.49908		9.48331	73.70634			14.41	0.00	37,337,532.64	508	34,170.00
R214	On 07/02/2019	Bond Future	9.57562	74.92325		9.54567	75.13481			14.67	0.00	0.00	0	0.00
R214	On 02/05/2019	Bond Future	9.62654	72.88159		9.59592	73.09593			15.30	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 17/09/2018	Foreign Exchange Future	9.74610	9.74610		9.68730	9.68730			12.24	0.00	0.00	0	0.00
SGD / R	On 14/12/2018	Foreign Exchange Future	9.87840	9.87840		9.81910	9.81910			12.59	0.00	0.00	0	0.00
SGD / R	On 18/03/2019	Foreign Exchange Future	10.02250	10.02250		9.96230	9.96230			12.90	0.00	0.00	0	0.00
SGD / R	On 14/06/2019	Foreign Exchange Future	10.15770	10.15770		10.09790	10.09790			13.37	0.00	0.00	0	0.00
TRY / R	On 17/09/2018	Foreign Exchange Future	2.64330	2.64330		2.63200	2.63200			19.62	0.00	0.00	0	1,500.00
TRY / R	On 14/12/2018	Foreign Exchange Future	2.57070	2.57070		2.55940	2.55940			19.81	0.00	0.00	0	0.00
TRY / R	On 18/03/2019	Foreign Exchange Future	2.48760	2.48760		2.47980	2.47980			19.19	0.00	0.00	0	0.00
TRY / R	On 14/06/2019	Foreign Exchange Future	2.41220	2.41220		2.40270	2.40270			18.70	0.00	0.00	0	0.00
ZMW / R	On 17/09/2018	Foreign Exchange Future	1.30360	1.30360		1.28270	1.28270				0.00	0.00	0	0.00
ZMW / R	On 14/12/2018	Foreign Exchange Future	1.26460	1.26460		1.24470	1.24470				0.00	0.00	0	0.00
ZMW / R	On 18/03/2019	Foreign Exchange Future	1.22330	1.22330		1.20390	1.20390				0.00	0.00	0	0.00
ZMW / R	On 14/06/2019	Foreign Exchange Future	1.18210	1.18210		1.16370	1.16370				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
Total for Derivatives :											8,851,907,226.34	296,229	6 030 110.00
Grand Total:											8,851,907,226.34	296,229	6 030 110.00