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INTEREST RATE AND CURRENCY DERIVATIVES

DAILY MTM REPORT

DAILY SUMMARY FOR: 30/07/2018

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 31/07/2018	Any day expiry	13.15050	13.15050		13.16980	13.16980		16.23	0.00	0.00	0	1,762.00	
\$ / R	On 31/07/2018	Any day expiry	13.00	Put	8.06300	0.00806	19.50840	0.01951	8.063	19.08	0.12	0	500.00	
\$ / R	On 31/07/2018	Any day expiry	13.50	Call	0.67380	0.00067	7.39800	0.00740	0.674	22.34	0.01	0	500.00	
\$ / R	On 31/07/2018	Any day expiry	13.80	Put	649.52140	0.64952	631.36960	0.63137	649.521	27.59	1.00	0	1,000.00	
\$ / R	On 31/07/2018	Any day expiry	15.82	Call	0.00000	0.00000	0.01150	0.00001	0.000	47.51	0.00	0	500.00	
\$ / R	On 31/07/2018	Any day expiry	16.32	Call	0.00000	0.00000	0.04580	0.00005	0.000	52.54	0.00	0	500.00	
\$ / R	On 02/08/2018	Any day expiry	13.15050		13.15050		13.17160	13.17160		16.26	0.00	0	55.00	
\$ / R	On 06/08/2018	Any day expiry	13.15740		13.15740		13.17850	13.17850		15.04	0.00	0	420.00	
\$ / R	On 07/08/2018	Any day expiry	13.15910		13.15910		13.18030	13.18030		15.21	0.00	0	0.00	
\$ / R	On 07/08/2018	Any day expiry	12.32	Put	1.15160	0.00115	1.61420	0.00161	1.152	18.99	0.01	0	1,880.00	
\$ / R	On 07/08/2018	Any day expiry	13.86	Put	705.29210	0.70529	687.24220	0.68724	705.292	18.68	0.97	0	1,880.00	
\$ / R	On 07/08/2018	Any day expiry	16.18	Call	0.04840	0.00005	0.04140	0.00004	0.048	39.78	0.00	0	1,880.00	
\$ / R	On 13/08/2018	Any day expiry	13.16930		13.16930		13.19060	13.19060		14.96	0.00	0	70.00	
\$ / R	On 15/08/2018	Any day expiry	13.17270		13.17270		13.19400	13.19400		15.09	0.00	554,085.00	42	4,144.00
\$ / R	On 15/08/2018	Any day expiry	13.18	Put	170.97030	0.17097	169.69000	0.16969	170.970	15.20	0.50	0	350.00	
\$ / R	On 15/08/2018	Any day expiry	13.22	Call	146.56920	0.14657	165.56390	0.16556	146.569	15.35	0.46	0	350.00	

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 15/08/2018	Any day expiry	13.43	Put	336.37110	0.33637	329.91600	0.32992	336.371	16.12	0.71	0.00	0	106.00
\$ / R	On 15/08/2018	Any day expiry	13.55	Call	54.27650	0.05428	66.61600	0.06662	54.276	16.56	0.21	0.00	0	106.00
\$ / R	On 20/08/2018	Any day expiry			13.18120	13.18120	13.20250	13.20250		15.03	0.00	0.00	0	600.00
\$ / R	On 23/08/2018	Any day expiry			13.18630	13.18630	13.20770	13.20770		15.15	0.00	0.00	0	0.00
\$ / R	On 23/08/2018	Any day expiry	13.21	Put	217.11340	0.21711	212.58360	0.21258	217.113	15.19	0.51	0.00	0	50,000.00
\$ / R	On 28/08/2018	Any day expiry			13.19470	13.19470	13.21620	13.21620		14.94	0.00	0.00	0	0.00
\$ / R	On 28/08/2018	Any day expiry	13.23	Put	241.43270	0.24143	235.64460	0.23564	241.433	15.03	0.52	0.00	0	35,000.00
\$ / R	On 31/08/2018	Any day expiry			13.19980	13.19980	13.22140	13.22140		15.03	0.00	0.00	0	3,299.00
\$ / R	On 31/08/2018	Any day expiry	13.00	Put	143.00650	0.14301	139.92210	0.13992	143.006	14.81	0.36	0.00	0	500.00
\$ / R	On 31/08/2018	Any day expiry	13.65	Call	95.34970	0.09535	105.41480	0.10541	95.350	16.46	0.25	0.00	0	500.00
\$ / R	On 31/08/2018	Any day expiry	13.80	Put	669.83670	0.66984	656.58310	0.65658	669.837	16.94	0.81	0.00	0	1,000.00
\$ / R	On 31/08/2018	Any day expiry	16.05	Call	0.64540	0.00065	0.76830	0.00077	0.645	23.18	0.00	0.00	0	500.00
\$ / R	On 31/08/2018	Any day expiry	16.57	Call	0.73950	0.00074	0.84640	0.00085	0.740	26.89	0.00	0.00	0	500.00
\$ / R	On 03/09/2018	Any day expiry			13.20490	13.20490	13.22660	13.22660		14.85	0.00	0.00	0	197.00
\$ / R	On 07/09/2018	Any day expiry			13.21180	13.21180	13.23350	13.23350		15.03	0.00	0.00	0	0.00
\$ / R	On 07/09/2018	Any day expiry	12.90	Put	124.59370	0.12459	120.96490	0.12096	124.594	14.70	0.30	0.00	0	100.00
\$ / R	On 07/09/2018	Any day expiry	13.09	Put	199.31440	0.19931	194.10980	0.19411	199.314	14.91	0.42	0.00	0	600.00
\$ / R	On 07/09/2018	Any day expiry	13.32	Call	215.50500	0.21550	228.04540	0.22805	215.505	15.38	0.45	0.00	0	600.00
\$ / R	On 07/09/2018	Any day expiry	13.45	Call	171.33710	0.17134	182.46940	0.18247	171.337	15.77	0.37	0.00	0	100.00
\$ / R	On 07/09/2018	Any day expiry	13.80	Call	90.34420	0.09034	98.08310	0.09808	90.344	16.81	0.22	0.00	0	100.00
\$ / R	On 07/09/2018	Any day expiry	13.90	Call	74.85110	0.07485	81.90980	0.08191	74.851	17.10	0.19	0.00	0	600.00
\$ / R	On 13/09/2018	Any day expiry			13.22210	13.22210	13.24380	13.24380		15.03	0.00	0.00	0	0.00
\$ / R	On 13/09/2018	Any day expiry	13.30	Put	324.95870	0.32496	314.98750	0.31499	324.959	15.31	0.53	0.00	0	747.00
\$ / R	On 17/09/2018	Foreign Exchange Future			13.22890	13.22890	13.25070	13.25070		15.08	0.00	283,177,833.40	21,406	439,653.00
\$ / R	On 17/09/2018	Foreign Exchange Future	11.48	Put	2.38620	0.00239	2.40460	0.00240	2.386	16.50	0.01	0.00	0	5,200.00
\$ / R	On 17/09/2018	Foreign Exchange Future	11.50	Put	2.48370	0.00248	2.50520	0.00251	2.484	16.41	0.01	0.00	0	45,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	11.60	Put	3.04180	0.00304	3.08110	0.00308	3.042	15.92	0.01	0.00	0	2,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	11.75	Put	4.15340	0.00415	4.23060	0.00423	4.153	15.20	0.02	0.00	0	93,314.00
\$ / R	On 17/09/2018	Foreign Exchange Future	11.85	Put	5.13960	0.00514	5.25140	0.00525	5.140	14.72	0.02	0.00	0	48,200.00
\$ / R	On 17/09/2018	Foreign Exchange Future	11.90	Put	5.72700	0.00573	5.85940	0.00586	5.727	14.48	0.02	0.00	0	3,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	12.00	Put	7.89230	0.00789	8.00590	0.00801	7.892	14.24	0.03	0.00	0	13,300.00
\$ / R	On 17/09/2018	Foreign Exchange Future	12.25	Put	20.78860	0.02079	20.31960	0.02032	20.789	14.26	0.07	0.00	0	40,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	12.25	Call	999.68860	0.99969	1,021.01960	1.02102	999.689	14.26	0.93	0.00	0	500.00
\$ / R	On 17/09/2018	Foreign Exchange Future	12.30	Put	24.80280	0.02480	24.11430	0.02411	24.803	14.26	0.08	0.00	0	100.00
\$ / R	On 17/09/2018	Foreign Exchange Future	12.38	Put	32.52900	0.03253	31.39790	0.03140	32.529	14.27	0.10	0.00	0	60,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	12.50	Call	776.54700	0.77655	796.31340	0.79631	776.547	14.27	0.87	0.00	0	4,600.00
\$ / R	On 17/09/2018	Foreign Exchange Future	12.50	Put	47.64700	0.04765	45.61340	0.04561	47.647	14.27	0.13	0.00	0	44,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	12.58	Put	60.47570	0.06048	57.66800	0.05767	60.476	14.28	0.16	0.00	0	8,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	12.61	Put	66.07440	0.06607	62.97590	0.06298	66.074	14.29	0.17	0.00	0	13,231.00
\$ / R	On 17/09/2018	Foreign Exchange Future	12.65	Put	74.53580	0.07454	71.12020	0.07112	74.536	14.34	0.19	0.00	0	1,550.00
\$ / R	On 17/09/2018	Foreign Exchange Future	12.77	Call	563.44600	0.56345	580.77700	0.58078	563.446	14.49	0.76	0.00	0	5,200.00
\$ / R	On 17/09/2018	Foreign Exchange Future	12.80	Put	113.19050	0.11319	108.43720	0.10844	113.190	14.53	0.26	0.00	0	500.00
\$ / R	On 17/09/2018	Foreign Exchange Future	12.80	Call	542.09050	0.54209	559.13720	0.55914	542.091	14.53	0.74	0.00	0	50.00
\$ / R	On 17/09/2018	Foreign Exchange Future	12.85	Put	128.65850	0.12866	123.41360	0.12341	128.659	14.59	0.28	0.00	0	750.00

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	13.00	Put	183.29530	0.18330	176.45980	0.17646	183.295	14.77	0.36	0.00	0	72,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.00	Call	412.19530	0.41220	427.15980	0.42716	412.195	14.77	0.64	0.00	0	7,500.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.10	Put	226.74890	0.22675	218.78790	0.21879	226.749	14.90	0.42	0.00	0	2,500.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.20	Put	275.84570	0.27585	266.72920	0.26673	275.846	15.02	0.47	0.00	0	4,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.20	Call	304.74570	0.30475	317.42920	0.31743	304.746	15.02	0.53	0.00	0	4,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.22	Put	286.33390	0.28633	276.98550	0.27699	286.334	15.04	0.48	0.00	0	26,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.25	Call	281.37680	0.28138	293.48280	0.29348	281.377	15.08	0.50	0.00	0	1,250.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.25	Put	302.47680	0.30248	292.78280	0.29278	302.477	15.08	0.50	0.00	0	74,064.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.30	Call	260.83780	0.26084	272.44780	0.27245	260.838	15.22	0.47	0.00	0	500.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.50	Call	191.24940	0.19125	200.97990	0.20098	191.249	15.77	0.37	0.00	0	2,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.60	Put	534.31140	0.53431	521.37550	0.52138	534.311	16.05	0.67	0.00	0	4,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.60	Call	163.21140	0.16321	172.07550	0.17208	163.211	16.05	0.33	0.00	0	26,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	13.65	Call	150.67830	0.15068	159.12980	0.15913	150.678	16.18	0.31	0.00	0	1,464.00
\$ / R	On 17/09/2018	Foreign Exchange Future	14.00	Call	85.26260	0.08526	91.22980	0.09123	85.263	17.12	0.19	0.00	0	60,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	14.00	Put	856.36260	0.85636	840.52980	0.84053	856.363	17.12	0.81	0.00	0	1,500.00
\$ / R	On 17/09/2018	Foreign Exchange Future	14.20	Call	61.11120	0.06111	65.95820	0.06596	61.111	17.63	0.14	0.00	0	500.00
\$ / R	On 17/09/2018	Foreign Exchange Future	14.70	Call	25.88240	0.02588	28.50250	0.02850	25.882	18.75	0.07	0.00	0	63,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	15.00	Call	14.13350	0.01413	15.56780	0.01557	14.133	19.08	0.04	0.00	0	4,000.00
\$ / R	On 17/09/2018	Foreign Exchange Future	15.97	Call	2.08280	0.00208	2.23240	0.00223	2.083	20.44	0.01	0.00	0	5,300.00
\$ / R	On 17/09/2018	Foreign Exchange Future	16.04	Call	2.04260	0.00204	2.18310	0.00218	2.043	20.81	0.01	0.00	0	1,550.00
\$ / R	On 17/09/2018	Foreign Exchange Future	16.14	Call	1.99210	0.00199	2.12080	0.00212	1.992	21.34	0.01	0.00	0	750.00
\$ / R	On 17/09/2018	Foreign Exchange Future	16.29	Call	1.93040	0.00193	2.04340	0.00204	1.930	22.13	0.01	0.00	0	73,314.00
\$ / R	On 25/09/2018	Any day expiry			13.24260	13.24260	13.26450	13.26450		15.10	0.00	0.00	0	0.00
\$ / R	On 28/09/2018	Any day expiry			13.24780	13.24780	13.26960	13.26960		15.16	0.00	0.00	0	5,532.00
\$ / R	On 28/09/2018	Any day expiry	13.00	Put	207.00740	0.20701	198.67360	0.19867	207.007	14.87	0.37	0.00	0	500.00
\$ / R	On 28/09/2018	Any day expiry	13.78	Call	155.47630	0.15548	162.16060	0.16216	155.476	16.51	0.29	0.00	0	500.00
\$ / R	On 28/09/2018	Any day expiry	13.80	Put	703.33030	0.70333	688.11030	0.68811	703.330	16.56	0.72	0.00	0	1,000.00
\$ / R	On 28/09/2018	Any day expiry	16.25	Call	4.03200	0.00403	4.43280	0.00443	4.032	21.44	0.01	0.00	0	500.00
\$ / R	On 28/09/2018	Any day expiry	16.80	Call	2.68630	0.00269	2.54150	0.00254	2.686	23.29	0.01	0.00	0	500.00
\$ / R	On 02/10/2018	Any day expiry			13.25460	13.25460	13.27650	13.27650		15.09	0.00	0.00	0	55.00
\$ / R	On 12/10/2018	Any day expiry			13.27170	13.27170	13.29350	13.29350		15.09	0.00	0.00	0	0.00
\$ / R	On 12/10/2018	Any day expiry	13.51	Call	270.36170	0.27036	279.62050	0.27962	270.362	15.70	0.41	0.00	0	5,000.00
\$ / R	On 17/10/2018	Any day expiry			13.28020	13.28020	13.30200	13.30200		15.15	0.00	0.00	0	235.00
\$ / R	On 22/10/2018	Any day expiry			13.28870	13.28870	13.31050	13.31050		15.10	0.00	0.00	0	0.00
\$ / R	On 22/10/2018	Any day expiry	13.20	Put	336.73990	0.33674	327.71210	0.32771	336.740	14.97	0.45	0.00	0	1,630.00
\$ / R	On 22/10/2018	Any day expiry	14.00	Call	169.34950	0.16935	176.05590	0.17606	169.350	16.69	0.27	0.00	0	1,630.00
\$ / R	On 25/10/2018	Any day expiry			13.29380	13.29380	13.31560	13.31560		15.13	0.00	0.00	0	70.00
\$ / R	On 29/10/2018	Any day expiry			13.30070	13.30070	13.32240	13.32240		15.08	0.00	0.00	0	225.00
\$ / R	On 31/10/2018	Any day expiry			13.30410	13.30410	13.32590	13.32590		15.11	0.00	0.00	0	3,608.00
\$ / R	On 31/10/2018	Any day expiry	13.00	Put	256.86500	0.25686	249.90790	0.24991	256.865	14.74	0.36	0.00	0	500.00
\$ / R	On 31/10/2018	Any day expiry	13.80	Put	733.55280	0.73355	720.29770	0.72030	733.553	16.20	0.66	0.00	0	1,000.00
\$ / R	On 31/10/2018	Any day expiry	13.93	Call	206.26020	0.20626	214.09840	0.21410	206.260	16.49	0.30	0.00	0	500.00
\$ / R	On 31/10/2018	Any day expiry	16.47	Call	11.02780	0.01103	11.99600	0.01200	11.028	20.52	0.02	0.00	0	500.00
\$ / R	On 31/10/2018	Any day expiry	17.02	Call	4.78830	0.00479	5.16440	0.00516	4.788	20.66	0.01	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 01/11/2018	Any day expiry		13.30580	13.30580		13.32750	13.32750		15.12	0.00	0.00	0	55.00
\$ / R	On 05/11/2018	Any day expiry		13.31250	13.31250		13.33430	13.33430		15.09	0.00	0.00	0	0.00
\$ / R	On 05/11/2018	Any day expiry	11.90	Put	25.01660	0.02502	25.30650	0.02531	25.017	14.12	0.06	0.00	0	1,880.00
\$ / R	On 05/11/2018	Any day expiry	13.86	Put	782.24890	0.78225	768.68960	0.76869	782.249	16.29	0.67	0.00	0	1,880.00
\$ / R	On 05/11/2018	Any day expiry	16.81	Call	7.38680	0.00739	8.01220	0.00801	7.387	20.33	0.02	0.00	0	1,880.00
\$ / R	On 13/11/2018	Any day expiry		13.32600	13.32600		13.34780	13.34780		15.18	0.00	0.00	0	70.00
\$ / R	On 16/11/2018	Any day expiry		13.33110	13.33110		13.35290	13.35290		15.22	0.00	0.00	0	420.00
\$ / R	On 16/11/2018	Any day expiry	10.83	Put	5.59200	0.00559	5.53640	0.00554	5.592	17.30	0.01	0.00	0	51,000.00
\$ / R	On 16/11/2018	Any day expiry	11.67	Put	21.84270	0.02184	20.89760	0.02090	21.843	14.91	0.05	0.00	0	51,000.00
\$ / R	On 16/11/2018	Any day expiry	13.22	Call	492.91060	0.49291	505.57940	0.50558	492.911	15.04	0.56	0.00	0	51,000.00
\$ / R	On 29/11/2018	Any day expiry		13.35300	13.35300		13.37490	13.37490		15.19	0.00	0.00	0	461.00
\$ / R	On 30/11/2018	Any day expiry		13.35470	13.35470		13.37660	13.37660		15.20	0.00	0.00	0	3,363.00
\$ / R	On 30/11/2018	Any day expiry	13.00	Put	293.95980	0.29396	285.84570	0.28585	293.960	14.73	0.36	0.00	0	500.00
\$ / R	On 30/11/2018	Any day expiry	13.80	Put	759.44660	0.75945	745.97540	0.74598	759.447	16.10	0.62	0.00	0	1,000.00
\$ / R	On 30/11/2018	Any day expiry	14.08	Call	243.42600	0.24343	250.51340	0.25051	243.426	16.66	0.31	0.00	0	500.00
\$ / R	On 30/11/2018	Any day expiry	16.70	Call	25.20490	0.02520	25.60290	0.02560	25.205	21.21	0.04	0.00	0	500.00
\$ / R	On 30/11/2018	Any day expiry	17.31	Call	16.18300	0.01618	15.99810	0.01600	16.183	22.23	0.03	0.00	0	500.00
\$ / R	On 11/12/2018	Any day expiry		13.37320	13.37320		13.39520	13.39520		15.17	0.00	0.00	0	0.00
\$ / R	On 11/12/2018	Any day expiry	13.65	Put	664.37250	0.66437	651.57040	0.65157	664.373	15.75	0.57	0.00	0	20,000.00
\$ / R	On 11/12/2018	Any day expiry	15.69	Call	67.85530	0.06786	70.16240	0.07016	67.855	19.38	0.10	0.00	0	20,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future		13.37830	13.37830		13.40030	13.40030		15.28	0.00	53,513.20	4	66,738.00
\$ / R	On 14/12/2018	Foreign Exchange Future	11.64	Put	30.09690	0.03010	29.07880	0.02908	30.097	14.75	0.06	0.00	0	2,764.00
\$ / R	On 14/12/2018	Foreign Exchange Future	11.75	Put	35.97710	0.03598	34.55260	0.03455	35.977	14.53	0.07	0.00	0	230,784.00
\$ / R	On 14/12/2018	Foreign Exchange Future	11.90	Put	45.72020	0.04572	43.59560	0.04360	45.720	14.24	0.08	0.00	0	11,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.00	Put	53.51100	0.05351	50.81600	0.05082	53.511	14.04	0.10	0.00	0	174,530.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.02	Put	55.20920	0.05521	52.38800	0.05239	55.209	14.00	0.10	0.00	0	5,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.10	Put	64.46700	0.06447	61.24930	0.06125	64.467	13.97	0.11	0.00	0	8,580.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.20	Put	79.46740	0.07947	75.83510	0.07584	79.467	14.03	0.13	0.00	0	7,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.25	Put	87.87830	0.08788	84.03430	0.08403	87.878	14.06	0.14	0.00	0	3,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.38	Put	112.81160	0.11281	108.39810	0.10840	112.812	14.14	0.17	0.00	0	39,589.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.50	Put	140.03140	0.14003	135.07610	0.13508	140.031	14.21	0.21	0.00	0	26,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.50	Call	1,018.33140	1.01833	1,035.37610	1.03538	1,018.331	14.21	0.79	0.00	0	230,784.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.63	Put	174.41030	0.17441	168.85670	0.16886	174.410	14.28	0.24	0.00	0	39,589.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.68	Put	189.04890	0.18905	183.26500	0.18326	189.049	14.31	0.26	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.75	Put	210.90830	0.21091	204.79800	0.20480	210.908	14.36	0.28	0.00	0	1,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.00	Put	308.65820	0.30866	300.67650	0.30068	308.658	14.71	0.36	0.00	0	175,030.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.00	Call	686.95820	0.68696	700.97650	0.70098	686.958	14.71	0.64	0.00	0	7,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.10	Put	353.99090	0.35399	345.24430	0.34524	353.991	14.85	0.39	0.00	0	11,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.20	Call	581.12050	0.58112	593.61010	0.59361	581.121	14.99	0.58	0.00	0	7,100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.22	Put	412.99960	0.41300	403.33510	0.40334	413.000	15.02	0.43	0.00	0	5,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.25	Put	428.52460	0.42852	418.63300	0.41863	428.525	15.06	0.44	0.00	0	27,800.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.25	Call	556.82460	0.55682	568.93300	0.56893	556.825	15.06	0.56	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.45	Put	540.46620	0.54047	529.10750	0.52911	540.466	15.37	0.50	0.00	0	4,080.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.50	Put	571.08160	0.57108	559.38250	0.55938	571.082	15.47	0.52	0.00	0	26,300.00

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	13.50	Call	449.38160	0.44938	459.68250	0.45968	449.382	15.47	0.48	0.00	0	230,784.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.70	Put	700.93430	0.70093	687.92940	0.68793	700.934	15.86	0.58	0.00	0	7,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.71	Put	707.72320	0.70772	694.65410	0.69465	707.723	15.88	0.58	0.00	0	30.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.78	Put	755.97170	0.75597	742.47510	0.74248	755.972	16.01	0.60	0.00	0	100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.78	Call	354.27170	0.35427	362.77510	0.36278	354.272	16.01	0.40	0.00	0	100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.79	Put	762.96650	0.76297	749.41140	0.74941	762.966	16.03	0.60	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.80	Call	348.28980	0.34829	356.67340	0.35667	348.290	16.05	0.39	0.00	0	3,264.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.95	Call	306.53610	0.30654	314.06920	0.31407	306.536	16.34	0.36	0.00	0	39,589.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.00	Call	293.78000	0.29378	301.04440	0.30104	293.780	16.44	0.34	0.00	0	16,130.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.13	Call	263.11980	0.26312	269.80660	0.26981	263.120	16.69	0.31	0.00	0	20,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.33	Call	222.34080	0.22234	228.30550	0.22831	222.341	17.08	0.27	0.00	0	100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.38	Call	213.23580	0.21324	219.03490	0.21903	213.236	17.17	0.26	0.00	0	30.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.44	Call	202.83290	0.20283	208.44000	0.20844	202.833	17.29	0.25	0.00	0	11,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.60	Call	177.69660	0.17770	182.82570	0.18283	177.697	17.60	0.22	0.00	0	18,900.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.61	Call	176.24260	0.17624	181.34320	0.18134	176.243	17.62	0.22	0.00	0	1,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.62	Call	174.80420	0.17480	179.87640	0.17988	174.804	17.64	0.22	0.00	0	5,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.70	Call	163.73460	0.16373	168.59170	0.16859	163.735	17.79	0.21	0.00	0	20,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.75	Call	157.20990	0.15721	161.93520	0.16194	157.210	17.89	0.20	0.00	0	127,100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.84	Call	145.42200	0.14542	149.86200	0.14986	145.422	18.03	0.19	0.00	0	1,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.00	Call	126.70190	0.12670	130.68090	0.13068	126.702	18.28	0.17	0.00	0	20,100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.01	Call	125.62090	0.12562	129.57000	0.12957	125.621	18.30	0.17	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.09	Call	117.31020	0.11731	121.05080	0.12105	117.310	18.42	0.16	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.15	Call	111.46520	0.11147	115.05250	0.11505	111.465	18.51	0.15	0.00	0	27,030.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.48	Call	84.45740	0.08446	87.31970	0.08732	84.457	19.03	0.12	0.00	0	29,600.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.70	Call	70.47240	0.07047	72.94070	0.07294	70.472	19.37	0.10	0.00	0	11,380.00
\$ / R	On 21/12/2018	Any day expiry			13.39010	13.39010	13.41210	13.41210		15.25	0.00	0.00	0	0.00
\$ / R	On 21/12/2018	Any day expiry	13.20	Put	409.41500	0.40941	399.82420	0.39982	409.415	14.98	0.42	0.00	0	1,000.00
\$ / R	On 21/12/2018	Any day expiry	13.30	Put	461.48060	0.46148	451.15410	0.45115	461.481	15.12	0.45	0.00	0	1,000.00
\$ / R	On 21/12/2018	Any day expiry	14.66	Call	181.05930	0.18106	186.06080	0.18606	181.059	17.66	0.22	0.00	0	1,000.00
\$ / R	On 21/12/2018	Any day expiry	14.75	Call	168.66000	0.16866	173.42610	0.17343	168.660	17.83	0.21	0.00	0	1,000.00
\$ / R	On 31/12/2018	Any day expiry			13.40700	13.40700	13.42900	13.42900		15.19	0.00	0.00	0	2,078.00
\$ / R	On 31/12/2018	Any day expiry	13.00	Put	323.19100	0.32319	314.29210	0.31429	323.191	14.64	0.36	0.00	0	500.00
\$ / R	On 31/12/2018	Any day expiry	13.80	Put	779.16760	0.77917	765.53030	0.76553	779.168	15.92	0.59	0.00	0	1,000.00
\$ / R	On 31/12/2018	Any day expiry	14.22	Call	276.77810	0.27678	283.18750	0.28319	276.778	16.70	0.31	0.00	0	500.00
\$ / R	On 31/12/2018	Any day expiry	16.93	Call	39.94950	0.03995	39.90670	0.03991	39.949	21.36	0.05	0.00	0	500.00
\$ / R	On 31/12/2018	Any day expiry	17.58	Call	26.49300	0.02649	27.27730	0.02728	26.493	22.31	0.04	0.00	0	500.00
\$ / R	On 02/01/2019	Any day expiry			13.41030	13.41030	13.43240	13.43240		15.19	0.00	0.00	0	55.00
\$ / R	On 18/01/2019	Any day expiry			13.43730	13.43730	13.45940	13.45940		15.27	0.00	0.00	0	0.00
\$ / R	On 18/01/2019	Any day expiry	12.66	Put	212.58860	0.21259	205.91570	0.20592	212.589	14.27	0.26	0.00	0	263.00
\$ / R	On 30/01/2019	Any day expiry			13.45760	13.45760	13.47970	13.47970		15.24	0.00	0.00	0	55.00
\$ / R	On 31/01/2019	Any day expiry			13.45930	13.45930	13.48140	13.48140		15.24	0.00	0.00	0	1,225.00
\$ / R	On 31/01/2019	Any day expiry	13.00	Put	350.06700	0.35007	340.59210	0.34059	350.067	14.63	0.35	0.00	0	500.00
\$ / R	On 31/01/2019	Any day expiry	14.38	Call	304.12260	0.30412	309.96990	0.30997	304.123	16.85	0.31	0.00	0	500.00
\$ / R	On 13/02/2019	Any day expiry			13.48080	13.48080	13.50320	13.50320		15.34	0.00	0.00	0	70.00

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 28/02/2019	Any day expiry			13.50550	13.50550		13.52830	13.52830		15.35	0.00	0.00	0	4,725.00
\$ / R	13.00	Put	On 28/02/2019	Any day expiry	372.82070	0.37282		364.34900	0.36435	372.821	14.66	0.35	0.00	0	500.00		
\$ / R	14.52	Call	On 28/02/2019	Any day expiry	329.23570	0.32924		335.69850	0.33570	329.236	17.03	0.31	0.00	0	500.00		
\$ / R			On 18/03/2019	Foreign Exchange Future	13.53530	13.53530		13.55840	13.55840		15.42	0.00	0.00	0	7,820.00		
\$ / R	10.33	Put	On 18/03/2019	Foreign Exchange Future	6.30770	0.00631		6.85230	0.00685	6.308	15.20	0.01	0.00	0	1,000.00		
\$ / R	11.74	Put	On 18/03/2019	Foreign Exchange Future	65.57720	0.06558		64.50330	0.06450	65.577	13.92	0.09	0.00	0	1,000.00		
\$ / R	12.06	Put	On 18/03/2019	Foreign Exchange Future	110.89960	0.11090		107.25370	0.10725	110.900	14.02	0.14	0.00	0	4,145.00		
\$ / R	12.47	Put	On 18/03/2019	Foreign Exchange Future	201.45230	0.20145		195.25350	0.19525	201.452	14.23	0.22	0.00	0	721.00		
\$ / R	13.45	Call	On 18/03/2019	Foreign Exchange Future	697.44290	0.69744		709.61530	0.70962	697.443	15.28	0.54	0.00	0	4,145.00		
\$ / R	13.46	Put	On 18/03/2019	Foreign Exchange Future	617.76700	0.61777		606.78680	0.60679	617.767	15.29	0.46	0.00	0	20,000.00		
\$ / R	13.75	Put	On 18/03/2019	Foreign Exchange Future	793.32570	0.79333		780.78310	0.78078	793.326	15.73	0.53	0.00	0	17,981.00		
\$ / R	13.86	Put	On 18/03/2019	Foreign Exchange Future	865.27940	0.86528		852.16650	0.85217	865.279	15.90	0.55	0.00	0	721.00		
\$ / R	14.30	Call	On 18/03/2019	Foreign Exchange Future	412.80560	0.41281		420.76100	0.42076	412.806	16.60	0.36	0.00	0	500.00		
\$ / R	14.48	Call	On 18/03/2019	Foreign Exchange Future	371.07910	0.37108		378.37110	0.37837	371.079	16.91	0.33	0.00	0	1,000.00		
\$ / R	14.96	Call	On 18/03/2019	Foreign Exchange Future	280.59950	0.28060		286.42750	0.28643	280.600	17.70	0.26	0.00	0	17,981.00		
\$ / R	15.45	Call	On 18/03/2019	Foreign Exchange Future	207.85940	0.20786		212.63960	0.21264	207.859	18.31	0.20	0.00	0	20,000.00		
\$ / R	15.54	Call	On 18/03/2019	Foreign Exchange Future	196.89010	0.19689		201.50530	0.20151	196.890	18.42	0.19	0.00	0	721.00		
\$ / R			On 27/03/2019	Any day expiry	13.55010	13.55010		13.57350	13.57350		15.42	0.00	0.00	0	4,414.00		
\$ / R			On 29/03/2019	Any day expiry	13.55340	13.55340		13.57680	13.57680		15.43	0.00	0.00	0	0.00		
\$ / R	13.00	Put	On 29/03/2019	Any day expiry	394.80620	0.39481		385.49820	0.38550	394.806	14.70	0.34	0.00	0	500.00		
\$ / R	14.67	Call	On 29/03/2019	Any day expiry	352.07180	0.35207		358.99510	0.35900	352.072	17.21	0.31	0.00	0	500.00		
\$ / R			On 02/04/2019	Any day expiry	13.56000	13.56000		13.58350	13.58350		15.42	0.00	0.00	0	55.00		
\$ / R			On 30/04/2019	Any day expiry	13.60620	13.60620		13.63040	13.63040		15.49	0.00	0.00	0	1,280.00		
\$ / R	13.00	Put	On 30/04/2019	Any day expiry	415.03350	0.41503		405.74180	0.40574	415.033	14.70	0.34	0.00	0	3,000.00		
\$ / R	13.49	Call	On 30/04/2019	Any day expiry	777.68610	0.77769		790.75070	0.79075	777.686	15.35	0.55	0.00	0	2,500.00		
\$ / R	14.84	Call	On 30/04/2019	Any day expiry	373.35830	0.37336		380.98530	0.38099	373.358	17.36	0.31	0.00	0	500.00		
\$ / R			On 31/05/2019	Any day expiry	13.65830	13.65830		13.68230	13.68230		15.56	0.00	0.00	0	55.00		
\$ / R	13.00	Put	On 31/05/2019	Any day expiry	433.18310	0.43318		424.24040	0.42424	433.183	14.72	0.33	0.00	0	500.00		
\$ / R	15.01	Call	On 31/05/2019	Any day expiry	392.55530	0.39256		400.58610	0.40059	392.555	17.51	0.31	0.00	0	500.00		
\$ / R			On 03/06/2019	Any day expiry	13.66340	13.66340		13.68730	13.68730		15.55	0.00	0.00	0	29,000.00		
\$ / R			On 14/06/2019	Foreign Exchange Future	13.68190	13.68190		13.70570	13.70570		15.62	0.00	0.00	0	15,910.00		
\$ / R	10.69	Put	On 14/06/2019	Foreign Exchange Future	10.25800	0.01026		11.63030	0.01163	10.258	12.78	0.02	0.00	0	1,000.00		
\$ / R	12.28	Put	On 14/06/2019	Foreign Exchange Future	201.50250	0.20150		197.01610	0.19702	201.503	14.20	0.19	0.00	0	1,000.00		
\$ / R	12.75	Put	On 14/06/2019	Foreign Exchange Future	344.94290	0.34494		338.02250	0.33802	344.943	14.55	0.28	0.00	0	1,000.00		
\$ / R	12.98	Put	On 14/06/2019	Foreign Exchange Future	431.81950	0.43182		424.03700	0.42404	431.819	14.69	0.33	0.00	0	911.00		
\$ / R	13.24	Put	On 14/06/2019	Foreign Exchange Future	552.78260	0.55278		543.87070	0.54387	552.783	15.02	0.38	0.00	0	30,000.00		
\$ / R	13.83	Put	On 14/06/2019	Foreign Exchange Future	885.73400	0.88573		874.32240	0.87432	885.734	15.79	0.50	0.00	0	25,000.00		
\$ / R	13.88	Put	On 14/06/2019	Foreign Exchange Future	917.35460	0.91735		905.72350	0.90572	917.355	15.86	0.51	0.00	0	12,450.00		
\$ / R	14.58	Call	On 14/06/2019	Foreign Exchange Future	508.28860	0.50829		517.73020	0.51773	508.289	16.83	0.37	0.00	0	1,000.00		
\$ / R	14.82	Call	On 14/06/2019	Foreign Exchange Future	453.53930	0.45354		462.21200	0.46221	453.539	17.18	0.34	0.00	0	30,000.00		
\$ / R	15.55	Call	On 14/06/2019	Foreign Exchange Future	319.08110	0.31908		326.16660	0.32617	319.081	18.09	0.25	0.00	0	25,000.00		
\$ / R	15.62	Call	On 14/06/2019	Foreign Exchange Future	308.52080	0.30852		315.49020	0.31549	308.521	18.17	0.24	0.00	0	12,450.00		
\$ / R	15.80	Call	On 14/06/2019	Foreign Exchange Future	283.16330	0.28316		289.85030	0.28985	283.163	18.37	0.23	0.00	0	1,000.00		
\$ / R	15.92	Call	On 14/06/2019	Foreign Exchange Future	267.60060	0.26760		274.10600	0.27411	267.601	18.51	0.22	0.00	0	911.00		

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										
					13.70540	13.70540	13.72910	13.72910		15.61	0.00	0.00	0	0.00
\$ / R	13.00	Put	On 28/06/2019	Any day expiry	447.39390	0.44739	440.50930	0.44051	447.394	14.71	0.33	0.00	0	500.00
\$ / R	15.17	Call	On 28/06/2019	Any day expiry	405.81700	0.40582	415.22960	0.41523	405.817	17.61	0.30	0.00	0	500.00
\$ / R			On 01/07/2019	Any day expiry	13.71050	13.71050	13.73420	13.73420		15.60	0.00	0.00	0	55.00
\$ / R			On 03/07/2019	Any day expiry	13.71380	13.71380	13.73750	13.73750		15.60	0.00	0.00	0	0.00
\$ / R	13.45	Put	On 03/07/2019	Any day expiry	671.26110	0.67126	661.32740	0.66133	671.261	15.28	0.42	0.00	0	39,250.00
\$ / R	16.44	Call	On 03/07/2019	Any day expiry	232.63960	0.23264	238.55920	0.23856	232.640	19.02	0.18	0.00	0	39,250.00
\$ / R			On 31/07/2019	Any day expiry	13.76090	13.76090	13.78440	13.78440		15.65	0.00	0.00	0	0.00
\$ / R	13.00	Put	On 31/07/2019	Any day expiry	464.40960	0.46441	458.02200	0.45802	464.410	14.74	0.32	0.00	0	500.00
\$ / R	15.34	Call	On 31/07/2019	Any day expiry	424.73400	0.42473	433.91650	0.43392	424.734	17.71	0.30	0.00	0	500.00
\$ / R			On 01/08/2019	Any day expiry	13.76260	13.76260	13.78620	13.78620		15.66	0.00	0.00	0	55.00
\$ / R			On 30/08/2019	Any day expiry	13.81540	13.81540	13.83870	13.83870		15.80	0.00	0.00	0	0.00
\$ / R	13.00	Put	On 30/08/2019	Any day expiry	481.96040	0.48196	475.55270	0.47555	481.960	14.85	0.32	0.00	0	500.00
\$ / R	15.52	Call	On 30/08/2019	Any day expiry	442.98160	0.44298	451.64940	0.45165	442.982	17.93	0.30	0.00	0	500.00
\$ / R			On 02/09/2019	Any day expiry	13.82090	13.82090	13.84420	13.84420		15.79	0.00	0.00	0	55.00
\$ / R			On 16/09/2019	Foreign Exchange Future	13.84640	13.84640	13.86950	13.86950		15.88	0.00	0.00	0	0.00
\$ / R	10.75	Put	On 16/09/2019	Foreign Exchange Future	19.34420	0.01934	16.10600	0.01611	19.344	12.69	0.03	0.00	0	1,000.00
\$ / R	12.50	Put	On 16/09/2019	Foreign Exchange Future	312.04220	0.31204	306.70270	0.30670	312.042	14.59	0.23	0.00	0	1,000.00
\$ / R	15.87	Call	On 16/09/2019	Foreign Exchange Future	410.48640	0.41049	418.49020	0.41849	410.486	18.30	0.27	0.00	0	1,000.00
\$ / R			On 30/09/2019	Any day expiry	13.87190	13.87190	13.89490	13.89490		15.91	0.00	0.00	0	0.00
\$ / R	13.00	Put	On 30/09/2019	Any day expiry	497.59010	0.49759	491.32640	0.49133	497.590	14.93	0.31	0.00	0	500.00
\$ / R	15.68	Call	On 30/09/2019	Any day expiry	464.88370	0.46488	473.26170	0.47326	464.884	18.09	0.30	0.00	0	500.00
\$ / R			On 02/10/2019	Any day expiry	13.87550	13.87550	13.89850	13.89850		15.98	0.00	0.00	0	55.00
\$ / R			On 31/10/2019	Any day expiry	13.92830	13.92830	13.95110	13.95110		16.08	0.00	0.00	0	55.00
\$ / R	13.00	Put	On 31/10/2019	Any day expiry	513.35290	0.51335	506.38970	0.50639	513.353	15.02	0.31	0.00	0	500.00
\$ / R	15.87	Call	On 31/10/2019	Any day expiry	481.61470	0.48161	489.76810	0.48977	481.615	18.28	0.30	0.00	0	500.00
\$ / R			On 29/11/2019	Any day expiry	13.98120	13.98120	14.00360	14.00360		16.18	0.00	0.00	0	0.00
\$ / R	13.00	Put	On 29/11/2019	Any day expiry	526.03910	0.52604	519.17570	0.51918	526.039	15.08	0.31	0.00	0	500.00
\$ / R	16.03	Call	On 29/11/2019	Any day expiry	500.04960	0.50005	507.91580	0.50792	500.050	18.43	0.30	0.00	0	500.00
\$ / R			On 02/12/2019	Any day expiry	13.98660	13.98660	14.00910	14.00910		16.17	0.00	0.00	0	55.00
\$ / R			On 13/12/2019	Foreign Exchange Future	14.00670	14.00670	14.02900	14.02900		16.19	0.00	0.00	0	0.00
\$ / R	20.00	Call	On 13/12/2019	Foreign Exchange Future	142.82270	0.14282	147.31770	0.14732	142.823	21.28	0.10	0.00	0	2,000.00
\$ / R			On 31/12/2019	Any day expiry	14.03940	14.03940	14.06160	14.06160		16.25	0.00	0.00	0	0.00
\$ / R	13.00	Put	On 31/12/2019	Any day expiry	538.24360	0.53824	531.42470	0.53142	538.244	15.12	0.30	0.00	0	500.00
\$ / R	16.21	Call	On 31/12/2019	Any day expiry	518.53490	0.51853	526.26330	0.52626	518.535	18.58	0.30	0.00	0	500.00
\$ / R			On 02/01/2020	Any day expiry	14.04310	14.04310	14.06520	14.06520		16.26	0.00	0.00	0	55.00
\$ / R			On 31/01/2020	Any day expiry	14.09590	14.09590	14.11780	14.11780		16.34	0.00	0.00	0	55.00
\$ / R			On 02/03/2020	Any day expiry	14.15230	14.15230	14.17400	14.17400		16.39	0.00	0.00	0	55.00
\$ / R			On 02/04/2020	Any day expiry	14.20880	14.20880	14.23010	14.23010		16.45	0.00	0.00	0	55.00
\$ / R			On 29/04/2020	Any day expiry	14.25800	14.25800	14.27910	14.27910		16.50	0.00	0.00	0	55.00
\$ / R			On 02/06/2020	Any day expiry	14.31990	14.31990	14.34070	14.34070		16.55	0.00	0.00	0	1,055.00
\$ / R			On 12/06/2020	Foreign Exchange Future	14.33810	14.33810	14.35880	14.35880		16.59	0.00	0.00	0	0.00
\$ / R			On 28/07/2020	Any day expiry	14.42190	14.42190	14.44220	14.44220		16.63	0.00	0.00	0	84,000.00
\$ / R			On 14/09/2020	Foreign Exchange Future	14.52220	14.52220	14.54360	14.54360		16.79	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
\$ / R MAXI	On 17/09/2018	Foreign Exchange Future			13.22890		13.22890		13.25070	13.25070		15.08	0.00	264,578.00	20	345.00
\$ / R MAXI	On 14/12/2018	Foreign Exchange Future			13.37830		13.37830		13.40030	13.40030		15.28	0.00	0.00	0	20.00
\$ / R MAXI	On 18/03/2019	Foreign Exchange Future			13.53530		13.53530		13.55840	13.55840		15.42	0.00	0.00	0	5.00
\$ / R MAXI	On 14/06/2019	Foreign Exchange Future			13.68190		13.68190		13.70570	13.70570		15.62	0.00	0.00	0	0.00
£ / R	On 17/09/2018	Foreign Exchange Future			17.42780		17.42780		17.42670	17.42670		13.90	0.00	365,983.80	21	226,543.00
£ / R	On 28/09/2018	Any day expiry			17.46110		17.46110		17.45940	17.45940		13.98	0.00	0.00	0	14.00
£ / R	On 14/12/2018	Foreign Exchange Future			17.69530		17.69530		17.69300	17.69300		14.18	0.00	35,390.60	2	11,544.00
£ / R	On 18/03/2019	Foreign Exchange Future			17.98550		17.98550		17.98510	17.98510		14.83	0.00	0.00	0	4,932.00
£ / R	On 14/06/2019	Foreign Exchange Future			18.25910		18.25910		18.25990	18.25990		15.52	0.00	0.00	0	6,156.00
£ / R	On 16/09/2019	Foreign Exchange Future			18.56700		18.56700		18.56800	18.56800		16.03	0.00	0.00	0	895.00
¥ / R	On 23/08/2018	Any day expiry			0.11900		0.11900		0.11920	0.11920		17.33	0.00	0.00	0	0.00
¥ / R	On 17/09/2018	Foreign Exchange Future			0.11959		0.11959		0.11978	0.11978		20.83	0.00	0.00	0	115.00
¥ / R	On 14/12/2018	Foreign Exchange Future			0.12175		0.12175		0.12190	0.12190		17.65	0.00	0.00	0	0.00
¥ / R	On 18/03/2019	Foreign Exchange Future			0.12415		0.12415		0.12434	0.12434		20.32	0.00	0.00	0	0.00
¥ / R	On 14/06/2019	Foreign Exchange Future			0.12644		0.12644		0.12665	0.12665		20.09	0.00	0.00	0	0.00
€ / R	On 31/07/2018	Any day expiry			15.40210		15.40210		15.34830	15.34830		13.82	0.00	0.00	0	33.00
€ / R	On 07/09/2018	Any day expiry			15.51430		15.51430		15.46370	15.46370		13.91	0.00	0.00	0	34.00
€ / R	On 11/09/2018	Any day expiry			15.52700		15.52700		15.47610	15.47610		13.95	0.00	0.00	0	0.00
€ / R	On 17/09/2018	Foreign Exchange Future			15.54620		15.54620		15.49500	15.49500		13.94	0.00	13,540,740.20	871	132,595.00
€ / R	On 17/09/2018	Foreign Exchange Future	13.50	Put	3.00670		0.00301		3.75960	0.00376	3.007	16.58	0.01	0.00	0	29,734.00
€ / R	On 17/09/2018	Foreign Exchange Future	14.25	Put	15.66940		0.01567		19.12820	0.01913	15.669	14.30	0.05	0.00	0	57,090.00
€ / R	On 17/09/2018	Foreign Exchange Future	15.85	Put	508.44570		0.50845		549.42290	0.54942	508.446	14.60	0.63	0.00	0	86,824.00
€ / R	On 17/09/2018	Foreign Exchange Future	16.76	Call	49.40050		0.04940		48.57430	0.04857	49.401	16.44	0.11	0.00	0	29,734.00
€ / R	On 17/09/2018	Foreign Exchange Future	19.56	Call	2.34130		0.00234		2.50260	0.00250	2.341	24.21	0.01	0.00	0	86,824.00
€ / R	On 25/09/2018	Any day expiry			15.57180		15.57180		15.52020	15.52020		13.95	0.00	0.00	0	0.00
€ / R	On 14/12/2018	Foreign Exchange Future			15.83240		15.83240		15.77870	15.77870		14.22	0.00	300,815.60	19	28,621.00
€ / R	On 18/03/2019	Foreign Exchange Future			16.14860		16.14860		16.09570	16.09570		14.33	0.00	0.00	0	4,808.00
€ / R	On 14/06/2019	Foreign Exchange Future			16.45170		16.45170		16.39960	16.39960		14.49	0.00	0.00	0	5,256.00
10Y STND	On 17/12/2025	Interest Rate Swap			95.21000		95.21000		95.16000	95.16000			0.00	0.00	0	0.00
10Y STND	On 16/03/2026	Interest Rate Swap			92.20000		92.20000		92.15000	92.15000			0.00	0.00	0	0.00
10Y STND	On 15/06/2026	Interest Rate Swap			90.92000		90.92000		90.88000	90.88000			0.00	0.00	0	0.00
10Y STND	On 21/09/2026	Interest Rate Swap			93.07000		93.07000		93.02000	93.02000			0.00	0.00	0	0.00
10Y STND	On 21/12/2026	Interest Rate Swap			96.83000		96.83000		96.77000	96.77000			0.00	0.00	0	0.00
10Y STND	On 15/03/2027	Interest Rate Swap			95.38000		95.38000		95.32000	95.32000			0.00	0.00	0	0.00
10Y STND	On 21/06/2027	Interest Rate Swap			97.43000		97.43000		97.37000	97.37000			0.00	0.00	0	0.00
10Y STND	On 20/09/2027	Interest Rate Swap			102.84000		102.84000		102.77000	102.77000			0.00	0.00	0	0.00
10Y STND	On 20/12/2027	Interest Rate Swap			103.17000		103.17000		103.09000	103.09000			0.00	0.00	0	0.00
10Y STND	On 22/03/2028	Interest Rate Swap			96.68000		96.68000		96.60000	96.60000			0.00	0.00	0	0.00
10Y STND	On 20/06/2028	Interest Rate Swap			103.81000		103.81000		103.72000	103.72000			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 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		102.24000	102.24000		102.24000	102.24000			0.00	0.00	0	0.00
1Y STND	On 22/03/2019	Interest Rate Swap		99.57000	99.57000		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			0.00	0.00	0	0.00
2Y STND	On 21/09/2018	Interest Rate Swap		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			0.00	0.00	0	0.00
2Y STND	On 15/03/2019	Interest Rate Swap		99.31000	99.31000		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			0.00	0.00	0	0.00
2Y STND	On 20/09/2019	Interest Rate Swap		101.91000	101.91000		101.91000	101.91000			0.00	0.00	0	0.00
2Y STND	On 20/12/2019	Interest Rate Swap		102.90000	102.90000		102.90000	102.90000			0.00	0.00	0	0.00
2Y STND	On 23/03/2020	Interest Rate Swap		98.98000	98.98000		98.98000	98.98000			0.00	0.00	0	0.00
2Y STND	On 22/06/2020	Interest Rate Swap		102.59000	102.59000		102.60000	102.60000			0.00	0.00	0	0.00
5Y STND	On 17/12/2020	Interest Rate Swap		96.49000	96.49000		96.51000	96.51000			0.00	0.00	0	0.00
5Y STND	On 16/03/2021	Interest Rate Swap		95.71000	95.71000		95.73000	95.73000			0.00	0.00	0	0.00
5Y STND	On 15/06/2021	Interest Rate Swap		94.90000	94.90000		94.91000	94.91000			0.00	0.00	0	0.00
5Y STND	On 21/09/2021	Interest Rate Swap		95.08000	95.08000		95.08000	95.08000			0.00	0.00	0	0.00
5Y STND	On 21/12/2021	Interest Rate Swap		97.26000	97.26000		97.25000	97.25000			0.00	0.00	0	51.00
5Y STND	On 15/03/2022	Interest Rate Swap		97.39000	97.39000		97.37000	97.37000			0.00	0.00	0	0.00
5Y STND	On 21/06/2022	Interest Rate Swap		98.57000	98.57000		98.54000	98.54000			0.00	0.00	0	0.00
5Y STND	On 20/09/2022	Interest Rate Swap		102.47000	102.47000		102.44000	102.44000			0.00	0.00	0	0.00
5Y STND	On 20/12/2022	Interest Rate Swap		103.70000	103.70000		103.68000	103.68000			0.00	0.00	0	0.00
5Y STND	On 22/03/2023	Interest Rate Swap		97.08000	97.08000		97.07000	97.07000			0.00	0.00	0	0.00
5Y STND	On 20/06/2023	Interest Rate Swap		103.09000	103.09000		103.09000	103.09000			0.00	0.00	0	0.00
AL37	On 02/08/2018	Index Future		587.60000	587.60000		587.76000	587.76000			0.00	0.00	0	0.00
AL37	On 01/11/2018	Index Future		598.08000	598.08000		598.24500	598.24500			0.00	0.00	0	0.00
AL37	On 07/02/2019	Index Future		609.67300	609.67300		609.83700	609.83700			0.00	0.00	0	0.00
AL37	On 02/05/2019	Index Future		619.86200	619.86200		620.04300	620.04300			0.00	0.00	0	0.00
AL7T	On 02/08/2018	Index Future		688.25000	688.25000		688.58000	688.58000			0.00	0.00	0	0.00
AL7T	On 01/11/2018	Index Future		700.52500	700.52500		700.86300	700.86300			0.00	0.00	0	0.00
AL7T	On 07/02/2019	Index Future		714.10400	714.10400		714.44300	714.44300			0.00	0.00	0	0.00
AL7T	On 02/05/2019	Index Future		726.03800	726.03800		726.40000	726.40000			0.00	0.00	0	0.00
ALBI	On 02/08/2018	Index Future		626.02300	626.02300		626.34600	626.34600			0.00	888,952,660.00	142	336.00
ALBI	On 01/11/2018	Index Future		637.18800	637.18800		637.51900	637.51900			0.00	452,403,480.00	71	769.00
ALBI	On 07/02/2019	Index Future		649.53900	649.53900		649.87200	649.87200			0.00	0.00	0	0.00
ALBI	On 02/05/2019	Index Future		660.39500	660.39500		660.74800	660.74800			0.00	0.00	0	0.00
AU\$ / R	On 17/09/2018	Foreign Exchange Future		9.80310	9.80310		9.81740	9.81740		10.86	0.00	0.00	0	12,322.00
AU\$ / R	On 14/12/2018	Foreign Exchange Future		9.91990	9.91990		9.93360	9.93360		10.96	0.00	0.00	0	11,417.00

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
AU\$ / R	On 18/03/2019	Foreign Exchange Future	10.04670		10.04670		10.06110	10.06110		11.59	0.00	0.00	0	0.00
AU\$ / R	On 14/06/2019	Foreign Exchange Future	10.16860		10.16860		10.18350	10.18350		12.24	0.00	0.00	0	4,929.00
CAD/ R	On 14/12/2018	Foreign Exchange Future	10.31550		10.31550		10.28270	10.28270		12.16	0.00	0.00	0	595.00
CAD/ R	On 18/03/2019	Foreign Exchange Future	10.45330		10.45330		10.42030	10.42030		12.84	0.00	0.00	0	0.00
CF CANDO CC01	On 15/10/2018	Can-Do Future	315.86680		315.86680		325.04610	325.04610			0.00	0.00	0	25,000.00
CHF / R	On 17/09/2018	Foreign Exchange Future	13.43060		13.43060		13.38040	13.38040		13.70	0.00	0.00	0	1,575.00
CHF / R	On 14/12/2018	Foreign Exchange Future	13.69200		13.69200		13.63780	13.63780		13.87	0.00	0.00	0	400.00
CHF / R	On 18/03/2019	Foreign Exchange Future	13.97920		13.97920		13.92800	13.92800		14.08	0.00	0.00	0	0.00
CHF / R	On 14/06/2019	Foreign Exchange Future	14.25450		14.25450		14.20350	14.20350		14.26	0.00	0.00	0	150.00
CNH / R	On 17/09/2018	Foreign Exchange Future	1.93870		1.93870		1.94260	1.94260		12.16	0.00	0.00	0	0.00
CNH / R	On 14/12/2018	Foreign Exchange Future	1.95860		1.95860		1.96310	1.96310		12.19	0.00	0.00	0	0.00
CNH / R	On 18/03/2019	Foreign Exchange Future	1.97900		1.97900		1.98440	1.98440		13.05	0.00	0.00	0	0.00
CNH / R	On 14/06/2019	Foreign Exchange Future	1.99780		1.99780		2.00400	2.00400		13.68	0.00	0.00	0	0.00
DKK / R	On 17/09/2018	Foreign Exchange Future	2.09060		2.09060		2.08290	2.08290		13.13	0.00	0.00	0	245.00
DKK / R	On 14/12/2018	Foreign Exchange Future	2.13080		2.13080		2.12210	2.12210		13.39	0.00	0.00	0	15.00
DKK / R	On 18/03/2019	Foreign Exchange Future	2.17380		2.17380		2.16590	2.16590		13.57	0.00	0.00	0	0.00
DKK / R	On 14/06/2019	Foreign Exchange Future	2.21540		2.21540		2.20730	2.20730		14.23	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	10.62077		79.70992		10.61689	79.73376			0.00	0.00	0	0.00
ES33	On 01/11/2018	Bond Future	10.72715		77.34340		10.72310	77.36786			0.00	0.00	0	9,466.00
ES33	On 07/02/2019	Bond Future	10.84790		78.84227		10.84376	78.86680			0.00	0.00	0	0.00
ES33	On 02/05/2019	Bond Future	10.95042		76.36969		10.94581	76.39658			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	10.82560		82.66822		10.82170	82.69575			0.00	0.00	0	0.00
ES42	On 01/11/2018	Bond Future	10.92829		79.88264		10.92421	79.91096			0.00	0.00	0	7,957.00
ES42	On 07/02/2019	Bond Future	11.04083		81.43052		11.03666	81.45896			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
ES42	On 02/05/2019	Bond Future		11.14116	78.53068		11.13654	78.56168			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 02/08/2018	GOVI		621.93700	621.93700		622.31700	622.31700			0.00	0.00	0	26.00
GOVI	On 01/11/2018	GOVI		633.02900	633.02900		633.41800	633.41800			0.00	6,330,290.00	1	460.00
GOVI	On 07/02/2019	GOVI		645.29900	645.29900		645.69200	645.69200			0.00	0.00	0	0.00
GOVI	On 02/05/2019	GOVI		656.08400	656.08400		656.49800	656.49800			0.00	0.00	0	0.00
HK\$/R	On 17/09/2018	Foreign Exchange Future		1.68730	1.68730		1.68990	1.68990		15.17	0.00	0.00	0	0.00
HK\$/R	On 14/12/2018	Foreign Exchange Future		1.70930	1.70930		1.71180	1.71180		15.05	0.00	0.00	0	0.00
HK\$/R	On 18/03/2019	Foreign Exchange Future		1.73190	1.73190		1.73460	1.73460		15.51	0.00	0.00	0	0.00
HK\$/R	On 14/06/2019	Foreign Exchange Future		1.75280	1.75280		1.75560	1.75560		15.53	0.00	0.00	0	0.00
I2025	On 02/08/2018	Bond Future		130.85932	130.85932		130.69869	130.69869			0.00	0.00	0	498.00
I2025	On 01/11/2018	Bond Future		133.22535	133.22535		133.06165	133.06165			0.00	0.00	0	365.00
I2025	On 07/02/2019	Bond Future		134.41755	134.41755		134.25046	134.25046			0.00	0.00	0	0.00
I2025	On 02/05/2019	Bond Future		136.68745	136.68745		136.52085	136.52085			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		99.61399	99.61399		99.61127	99.61127			0.00	0.00	0	0.00
I2029	On 01/11/2018	Bond Future		100.36547	100.36547		100.36258	100.36258			0.00	0.00	0	1,370.00
I2029	On 07/02/2019	Bond Future		102.32847	102.32847		102.32534	102.32534			0.00	0.00	0	0.00
I2029	On 02/05/2019	Bond Future		102.98591	102.98591		102.98525	102.98525			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		102.77467	102.77467		102.77188	102.77188			0.00	0.00	0	9,076.00
I2033	On 01/11/2018	Bond Future		103.51191	103.51191		103.50900	103.50900			0.00	0.00	0	5,770.00
I2033	On 07/02/2019	Bond Future		105.53652	105.53652		105.53324	105.53324			0.00	0.00	0	0.00
I2033	On 02/05/2019	Bond Future		106.17538	106.17538		106.17474	106.17474			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		122.43803	122.43803		122.43464	122.43464			0.00	0.00	0	429.00
I2038	On 01/11/2018	Bond Future		124.65179	124.65179		124.64821	124.64821			0.00	0.00	0	9,621.00
I2038	On 07/02/2019	Bond Future		125.49963	125.49963		125.49585	125.49585			0.00	0.00	0	0.00
I2038	On 02/05/2019	Bond Future		127.61882	127.61882		127.61809	127.61809			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		116.73345	116.73345		116.73011	116.73011			0.00	0.00	0	8,628.00
I2046	On 01/11/2018	Bond Future		117.19493	117.19493		117.19134	117.19134			0.00	0.00	0	10,966.00
I2046	On 07/02/2019	Bond Future		119.48710	119.48710		119.48305	119.48305			0.00	0.00	0	0.00
I2046	On 02/05/2019	Bond Future		119.82250	119.82250		119.82146	119.82146			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		121.07574	121.07574		121.07215	121.07215			0.00	0.00	0	232.00

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 01/11/2018	Bond Future			123.26488		123.26488		123.26101	123.26101			0.00	0.00	0	9,854.00
I2050	On 07/02/2019	Bond Future			123.90415		123.90415		123.90024	123.90024			0.00	0.00	0	0.00
I2050	On 02/05/2019	Bond Future			125.99656		125.99656		125.99552	125.99552			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 02/08/2018	Index Future			250.59700		250.59700		250.31000	250.31000			0.00	601,432,800.00	240	425.00
IGOV	On 01/11/2018	Index Future			255.12800		255.12800		254.83500	254.83500			0.00	0.00	0	714.00
IGOV	On 07/02/2019	Index Future			260.11900		260.11900		259.81900	259.81900			0.00	0.00	0	0.00
IGOV	On 02/05/2019	Index Future			264.51300		264.51300		264.21300	264.21300			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			0.13040		0.13040		0.13090	0.13090			0.00	0.00	0	562.00
KES / R	On 14/12/2018	Foreign Exchange Future			0.12930		0.12930		0.12970	0.12970			0.00	0.00	0	0.00
KES / R	On 18/03/2019	Foreign Exchange Future			0.12790		0.12790		0.12930	0.12930			0.00	0.00	0	0.00
KES / R	On 14/06/2019	Foreign Exchange Future			0.12680		0.12680		0.12930	0.12930			0.00	0.00	0	1,093.00
NOK/R	On 17/09/2018	Foreign Exchange Future			1.62950		1.62950		1.62260	1.62260		12.40	0.00	0.00	0	0.00
NOK/R	On 14/12/2018	Foreign Exchange Future			1.65380		1.65380		1.64660	1.64660		12.26	0.00	0.00	0	0.00
NOK/R	On 18/03/2019	Foreign Exchange Future			1.67950		1.67950		1.67240	1.67240		13.17	0.00	0.00	0	0.00
NOK/R	On 14/06/2019	Foreign Exchange Future			1.70430		1.70430		1.69670	1.69670		13.73	0.00	0.00	0	0.00
NZ\$ / R	On 17/09/2018	Foreign Exchange Future			9.03510		9.03510		8.99970	8.99970		12.14	0.00	0.00	0	0.00
NZ\$ / R	On 14/12/2018	Foreign Exchange Future			9.14100		9.14100		9.10540	9.10540		12.32	0.00	0.00	0	0.00
NZ\$ / R	On 18/03/2019	Foreign Exchange Future			9.25690		9.25690		9.22130	9.22130		13.02	0.00	0.00	0	0.00
NZ\$ / R	On 14/06/2019	Foreign Exchange Future			9.36910		9.36910		9.33360	9.33360		13.81	0.00	0.00	0	0.00
PULA / R	On 17/09/2018	Foreign Exchange Future			1.28930		1.28930		1.28880	1.28880			0.00	0.00	0	0.00
PULA / R	On 14/12/2018	Foreign Exchange Future			1.29660		1.29660		1.29910	1.29910			0.00	0.00	0	0.00
PULA / R	On 18/03/2019	Foreign Exchange Future			1.30370		1.30370		1.30890	1.30890			0.00	0.00	0	0.00
PULA / R	On 14/06/2019	Foreign Exchange Future			1.31030		1.31030		1.31770	1.31770			0.00	0.00	0	0.00
QUANTO £ / \$	On 17/09/2018	Foreign Exchange Future			1.31740		1.31740		1.31520	1.31520			0.00	0.00	0	8.00
QUANTO € / \$	On 17/09/2018	Foreign Exchange Future			1.17520		1.17520		1.16940	1.16940			0.00	0.00	0	165.00
R / ¥	On 23/08/2018	Any day expiry			8.40310		8.40310	0.11850	8.38950	8.38950		15.93	0.00	0.00	0	0.00
R / ¥	On 23/08/2018	Any day expiry	8.07	Put	413.19190		0.04132	0.11850	496.62590	0.04966	413.192	18.25	0.19	0.00	0	13,000.00
R / ¥	On 23/08/2018	Any day expiry	8.27	Call	2,198.82620		0.21988	0.11850	2,170.49840	0.21705	2,198.826	16.84	0.65	0.00	0	13,000.00
R / ¥	On 23/08/2018	Any day expiry	8.35	Call	1,676.39070		0.16764	0.11850	1,655.56510	0.16556	1,676.391	16.28	0.57	0.00	0	20,000.00

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 / ¥EN	On 17/09/2018	Foreign Exchange Future			8.36170		8.36170	0.11850	8.34860	8.34860		15.89	0.00	0.00	0	0.00
R186	On 02/08/2018	Bond Future			8.58333		112.60820		8.57394	112.66753		6.76	0.00	0.00	0	70,511.00
R186	On 02/08/2018	Bond Future	7.50	Call	0.00000		0.00000		0.00000	0.00000	0.000	6.16	0.00	0.00	0	3,020.00
R186	On 02/08/2018	Bond Future	8.25	Call	0.08000		0.00008		3.73000	0.00373	0.080	6.28	0.00	0.00	0	3,020.00
R186	On 02/08/2018	Bond Future	8.75	Call	1,065.19000		1.06519		1,167.28000	1.16728	1,065.190	6.76	0.94	0.00	0	2,500.00
R186	On 02/08/2018	Bond Future	8.75	Put	19.11000		0.01911		61.87000	0.06187	19.110	6.76	0.06	0.00	0	2,500.00
R186	On 02/08/2018	Bond Future	8.90	Put	0.48000		0.00048		7.09000	0.00709	0.480	6.90	0.00	0.00	0	2,500.00
R186	On 01/11/2018	Bond Future			8.64327		114.61670		8.63340	114.67740		7.35	0.00	265,796,127.30	2,319	52,378.00
R186	On 01/11/2018	Bond Future	7.96	Call	280.49000		0.28049		303.54000	0.30354	280.490	6.70	0.14	0.00	0	5,000.00
R186	On 01/11/2018	Bond Future	8.46	Call	1,160.02000		1.16002		1,210.01000	1.21001	1,160.020	7.15	0.40	0.00	0	5,000.00
R186	On 01/11/2018	Bond Future	8.90	Put	1,050.10000		1.05010		1,054.33000	1.05433	1,050.100	7.46	0.35	0.00	0	2,500.00
R186	On 01/11/2018	Bond Future	9.14	Put	654.05000		0.65405		661.50000	0.66150	654.050	7.70	0.24	0.00	0	5,000.00
R186	On 07/02/2019	Bond Future			8.71069		111.53284		8.70042	111.59413		7.80	0.00	0.00	0	719.00
R186	On 02/05/2019	Bond Future			8.77136		113.39595		8.76015	113.46109		7.44	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			297.70315		297.70315		297.00479	297.00479			0.00	0.00	0	1,235.00
R197	On 01/11/2018	Bond Future			303.08572		303.08572		302.37450	302.37450			0.00	0.00	0	2,350.00
R197	On 07/02/2019	Bond Future			301.65738		301.65738		300.93170	300.93170			0.00	0.00	0	0.00
R197	On 02/05/2019	Bond Future			306.75102		306.75102		306.02064	306.02064			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			232.74992		232.74992		232.74328	232.74328			0.00	0.00	0	12,245.00
R202	On 01/11/2018	Bond Future			236.95804		236.95804		236.95115	236.95115			0.00	0.00	0	10,129.00
R202	On 07/02/2019	Bond Future			237.68539		237.68539		237.67797	237.67797			0.00	0.00	0	0.00
R202	On 02/05/2019	Bond Future			241.69912		241.69912		241.69753	241.69753			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			8.04802		102.24080		8.03855	102.27616		3.53	0.00	0.00	0	14,658.00
R2023	On 01/11/2018	Bond Future			8.10691		100.13845		8.09671	100.17471		4.14	0.00	0.00	0	41,469.00
R2023	On 07/02/2019	Bond Future			8.17741		102.07918		8.16655	102.11564		4.13	0.00	0.00	0	0.00
R2023	On 02/05/2019	Bond Future			8.23383		99.85689		8.22141	99.89651		4.20	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			8.97820		93.22864		8.96880	93.29204		9.26	0.00	0.00	0	34,636.00
R2030	On 02/08/2018	Bond Future	8.51	Call	0.00000		0.00000		0.34000	0.00034	0.000	8.56	0.00	0.00	0	7,850.00
R2030	On 02/08/2018	Bond Future	8.91	Call	131.90000		0.13190		267.18000	0.26718	131.900	9.15	0.28	0.00	0	7,850.00
R2030	On 02/08/2018	Bond Future	9.50	Put	0.00000		0.00000		0.51000	0.00051	0.000	10.04	0.00	0.00	0	7,850.00
R2030	On 01/11/2018	Bond Future			9.03600		94.89143		9.02623	94.95620		10.02	0.00	0.00	0	47,700.00

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		9.10091	92.72105		9.09083	92.78658		10.62	0.00	0.00	0	167.00
R2030	On 02/05/2019	Bond Future		9.16117	94.26981		9.15037	94.33883		10.46	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 02/08/2018	Bond Future		9.17346	95.78169		9.16411	95.85007		10.02	0.00	0.00	0	19,886.00
R2032	On 01/11/2018	Bond Future		9.23559	93.33516		9.22589	93.40500		11.26	0.00	16,240,317.84	174	34,400.00
R2032	On 07/02/2019	Bond Future		9.30429	95.14391		9.29430	95.21462		11.43	0.00	0.00	0	456.00
R2032	On 02/05/2019	Bond Future		9.36376	92.57792		9.35311	92.65220		11.87	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		9.30838	100.22283		9.30403	100.25824		10.66	0.00	0.00	0	37,551.00
R2035	On 01/11/2018	Bond Future		9.37092	97.51465		9.36640	97.55093		12.03	0.00	9,751,465.00	100	67,699.00
R2035	On 07/02/2019	Bond Future		9.44125	99.40446		9.43663	99.44097		12.23	0.00	0.00	0	298.00
R2035	On 02/05/2019	Bond Future		9.49817	96.56725		9.49309	96.60689		12.75	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		9.37319	92.55631		9.36881	92.59223		11.70	0.00	0.00	0	22,706.00
R2037	On 01/11/2018	Bond Future		9.43096	94.20709		9.42641	94.24395		12.63	0.00	490,818,938.90	5,210	50,485.00
R2037	On 07/02/2019	Bond Future		9.49536	91.77284		9.49072	91.80991		13.46	0.00	0.00	0	650.00
R2037	On 02/05/2019	Bond Future		9.55394	93.30568		9.54886	93.34579		13.41	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		6.60414	101.50231		6.59436	101.50592		0.15	0.00	0.00	0	10,270.00
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		9.44819	96.07670		9.44380	96.11547		12.11	0.00	0.00	0	13,118.00
R2040	On 01/11/2018	Bond Future		9.50580	97.79037		9.50125	97.83009		13.09	0.00	0.00	0	19,198.00
R2040	On 01/11/2018	Bond Future	8.50	Call	127.54000	0.12754	139.89000	0.13989	127.540	11.20	0.06	0.00	0	2,950.00
R2040	On 01/11/2018	Bond Future	9.10	Call	996.42000	0.99642	1,039.31000	1.03931	996.420	11.86	0.28	0.00	0	2,950.00
R2040	On 01/11/2018	Bond Future	9.20	Call	1,305.03000	1.30503	1,353.45000	1.35345	1,305.030	12.11	0.34	0.00	0	3,540.00
R2040	On 01/11/2018	Bond Future	9.80	Call	4,021.33000	4.02133	4,085.43000	4.08543	4,021.330	13.16	0.66	0.00	0	3,540.00
R2040	On 07/02/2019	Bond Future		9.56998	95.17490		9.56533	95.21496		13.99	0.00	0.00	0	100.00
R2040	On 02/05/2019	Bond Future		9.62815	96.76466		9.62310	96.80767		13.96	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		9.48308	93.16165		9.46865	93.29153		12.72	0.00	0.00	0	12,764.00
R2044	On 01/11/2018	Bond Future		9.53877	94.82324		9.52390	94.95564		13.77	0.00	96,245,588.60	1,015	34,649.00
R2044	On 07/02/2019	Bond Future		9.60067	92.27568		9.58538	92.41015		14.73	0.00	0.00	0	108.00
R2044	On 02/05/2019	Bond Future		9.65665	93.81692		9.64067	93.95597		14.70	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

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 02/08/2018	Bond Future		9.47810	96.60797		9.46868	96.69519		12.58	0.00	0.00	0	75,007.00
R2048	On 01/11/2018	Bond Future		9.53510	93.89865		9.52539	93.98756		14.27	0.00	375,594,600.00	4,000	95,573.00
R2048	On 07/02/2019	Bond Future		9.59875	95.71836		9.58877	95.80860		14.56	0.00	0.00	0	0.00
R2048	On 02/05/2019	Bond Future		9.65006	92.88297		9.63955	92.97708		15.26	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		7.36661	100.28964		7.35671	100.30291		0.72	0.00	0.00	0	3,471.00
R207	On 01/11/2018	Bond Future		7.38576	102.07839		7.37346	102.09217		0.73	0.00	12,759,798.75	125	17,308.00
R207	On 07/02/2019	Bond Future		7.41038	100.41165		7.39494	100.42519		0.72	0.00	0.00	0	0.00
R207	On 02/05/2019	Bond Future		7.45928	102.08905		7.43466	102.10536		0.62	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		7.67289	100.19203		7.66334	100.21424		1.70	0.00	0.00	0	7,728.00
R208	On 01/11/2018	Bond Future		7.72422	98.57956		7.71345	98.60245		1.99	0.00	0.00	0	28,717.00
R208	On 07/02/2019	Bond Future		7.78807	100.48999		7.77610	100.51279		2.03	0.00	0.00	0	0.00
R208	On 02/05/2019	Bond Future		7.84817	98.76897		7.83318	98.79465		2.04	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		9.28807	76.06812		9.28366	76.09855		12.06	0.00	11,105,945.52	146	83,037.00
R209	On 02/08/2018	Bond Future	8.46	Call	0.00000	0.00000	0.00000	0.00000	0.000	10.79	0.00	0.00	0	5,000.00
R209	On 02/08/2018	Bond Future	8.49	Call	0.00000	0.00000	0.00000	0.00000	0.000	10.79	0.00	0.00	0	500.00
R209	On 02/08/2018	Bond Future	8.83	Put	3,261.56000	3.26156	3,231.57000	3.23157	3,261.560	10.88	1.00	0.00	0	500.00
R209	On 02/08/2018	Bond Future	8.96	Call	0.30000	0.00030	7.31000	0.00731	0.300	11.05	0.00	0.00	0	5,000.00
R209	On 02/08/2018	Bond Future	9.21	Put	660.54000	0.66054	752.58000	0.75258	660.540	11.57	0.75	0.00	0	500.00
R209	On 02/08/2018	Bond Future	9.43	Put	47.43000	0.04743	124.28000	0.12428	47.430	11.95	0.12	0.00	0	5,000.00
R209	On 02/08/2018	Bond Future	9.66	Call	2,501.78000	2.50178	2,538.71000	2.53871	2,501.780	12.33	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	13.57	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	14.15	0.00	0.00	0	435.00
R209	On 01/11/2018	Bond Future		9.34320	74.27716		9.33863	74.30835		13.64	0.00	0.00	0	115,680.00
R209	On 01/11/2018	Bond Future	8.89	Call	730.61000	0.73061	763.43000	0.76343	730.610	12.49	0.26	0.00	0	2,000.00
R209	On 01/11/2018	Bond Future	9.64	Call	3,197.06000	3.19706	3,247.92000	3.24792	3,197.060	13.85	0.66	0.00	0	2,000.00
R209	On 01/11/2018	Bond Future	9.98	Put	656.25000	0.65625	674.51000	0.67451	656.250	14.50	0.21	0.00	0	2,000.00
R209	On 01/11/2018	Bond Future	10.00	Put	632.78000	0.63278	650.87000	0.65087	632.780	14.54	0.20	0.00	0	5,850.00
R209	On 07/02/2019	Bond Future		9.40366	75.71663		9.39901	75.74799		13.91	0.00	0.00	0	340.00
R209	On 02/05/2019	Bond Future		9.45561	73.83348		9.45055	73.86725		14.46	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

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/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 02/08/2018	Bond Future	185.54293		185.54293		185.38256	185.38256			0.00	0.00	0	300.00
R210	On 01/11/2018	Bond Future	186.39763		186.39763		186.23410	186.23410			0.00	0.00	0	2,149.00
R210	On 07/02/2019	Bond Future	190.04308		190.04308		189.87610	189.87610			0.00	0.00	0	0.00
R210	On 02/05/2019	Bond Future	190.70221		190.70221		190.53711	190.53711			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	153.44208		153.44208		153.23617	153.23617			0.00	0.00	0	2,357.00
R212	On 01/11/2018	Bond Future	156.21645		156.21645		156.00660	156.00660			0.00	0.00	0	3,476.00
R212	On 07/02/2019	Bond Future	157.11804		157.11804		156.90387	156.90387			0.00	0.00	0	0.00
R212	On 02/05/2019	Bond Future	159.77115		159.77115		159.55729	159.55729			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	9.07824		87.64461		9.06384	87.73991		9.71	0.00	0.00	0	14,535.00
R213	On 01/11/2018	Bond Future	9.13859		85.66185		9.12367	85.75909		11.02	0.00	0.00	0	32,593.00
R213	On 07/02/2019	Bond Future	9.20670		87.32200		9.19129	87.42070		11.23	0.00	0.00	0	112.00
R213	On 02/05/2019	Bond Future	9.26179		85.23325		9.24555	85.33579		11.51	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	9.43304		75.60911		9.42863	75.64101		12.92	0.00	0.00	0	15,976.00
R214	On 01/11/2018	Bond Future	9.48909		73.66495		9.48452	73.69767		14.57	0.00	0.00	0	33,162.00
R214	On 07/02/2019	Bond Future	9.55163		75.09264		9.54697	75.12561		14.84	0.00	0.00	0	0.00
R214	On 02/05/2019	Bond Future	9.60205		73.05294		9.59701	73.08828		15.48	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	9.72870		9.72870		9.74540	9.74540		12.40	0.00	0.00	0	0.00
SGD / R	On 14/12/2018	Foreign Exchange Future	9.86190		9.86190		9.87830	9.87830		12.53	0.00	0.00	0	0.00
SGD / R	On 18/03/2019	Foreign Exchange Future	10.00440		10.00440		10.02260	10.02260		12.92	0.00	0.00	0	0.00
SGD / R	On 14/06/2019	Foreign Exchange Future	10.13990		10.13990		10.15890	10.15890		13.38	0.00	0.00	0	0.00
TRY / R	On 17/09/2018	Foreign Exchange Future	2.65730		2.65730		2.67950	2.67950		19.95	0.00	172,724.50	65	1,500.00
TRY / R	On 14/12/2018	Foreign Exchange Future	2.58490		2.58490		2.60750	2.60750		19.93	0.00	0.00	0	0.00
TRY / R	On 18/03/2019	Foreign Exchange Future	2.50200		2.50200		2.52580	2.52580		19.33	0.00	0.00	0	0.00
TRY / R	On 14/06/2019	Foreign Exchange Future	2.42840		2.42840		2.45270	2.45270		18.71	0.00	0.00	0	0.00
ZMW / R	On 17/09/2018	Foreign Exchange Future	1.28480		1.28480		1.29110	1.29110			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
ZMW / R	On 14/12/2018		Foreign Exchange Future	1.24750	1.24750	1.25230	1.25230			0.00	0.00	0	0.00
ZMW / R	On 18/03/2019		Foreign Exchange Future	1.20140	1.20140	1.20610	1.20610			0.00	0.00	0	0.00
ZMW / R	On 14/06/2019		Foreign Exchange Future	1.16140	1.16140	1.16600	1.16600			0.00	0.00	0	0.00
Total for Derivatives :											3,525,897,676.21	35,993	6 011 179.00
Grand Total:											3,525,897,676.21	35,993	6 011 179.00