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## CURRENCY DERIVATIVES

## CURRENCY FUTURES AND OPTIONS HIGH/LOW

HIGH/LOW FROM: 11/11/2019 TO 11/11/2019

Deal Date	Contract Details	Strike	Call/ Put	Product	Previous Close Price	Today Close Price	Spot Rate	ZAR Converted Amount	% Movement In MTM	Today's High	Today's Low	Open Interest
11/11/2019	\$ / R 2019/11/29	14.25	P	Any day expiry	0.04749	0.03814			-19.67224	0.00000	0.00000	0
11/11/2019	\$ / R 2019/11/29	13.00	C	Any day expiry	1.72711	1.72710			-0.00038	0.00000	0.00000	0
11/11/2019	\$ / R 2019/11/29			Any day expiry	14.72710	14.72710			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2019/11/29	14.20	C	Any day expiry	0.56571	0.55742			-1.46521	0.00000	0.00000	0
11/11/2019	\$ / R 2019/11/29	14.25	C	Any day expiry	0.52459	0.51524			-1.78074	0.00000	0.00000	0
11/11/2019	\$ / R 2019/11/29	13.00	P	Any day expiry	0.00001	0.00000			-74.71264	0.00000	0.00000	0
11/11/2019	\$ / R 2019/11/29	14.20	P	Any day expiry	0.03861	0.03032			-21.46699	0.00000	0.00000	0
11/11/2019	\$ / R 2019/11/29	17.26	P	Any day expiry	2.53295	2.53292			-0.00148	0.00000	0.00000	0
11/11/2019	\$ / R 2019/11/29	17.26	C	Any day expiry	0.00005	0.00002			-69.62963	0.00000	0.00000	0
11/11/2019	\$ / R 2019/11/29	16.87	P	Any day expiry	2.14314	2.14299			-0.00693	0.00000	0.00000	0
11/11/2019	\$ / R 2019/11/29	16.87	C	Any day expiry	0.00024	0.00009			-62.04593	0.00000	0.00000	0
11/11/2019	\$ / R 2019/11/29	16.03	P	Any day expiry	1.30797	1.30590			-0.15885	0.00000	0.00000	0
11/11/2019	\$ / R 2019/11/29	16.03	C	Any day expiry	0.00507	0.00300			-40.94636	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/02	13.44	C	Any day expiry	1.29326	1.29290			-0.02793	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/02			Any day expiry	14.73250	14.73250			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/02	13.44	P	Any day expiry	0.00076	0.00040			-47.68946	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/04	14.84	P	Any day expiry	0.29938	0.28509			-4.77128	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/04			Any day expiry	14.73620	14.73620			0.00000	0.00000	0.00000	0

Deal Date	Contract Details	Strike	Call/ Put	Product	Previous Close Price	Today Close Price	Spot Rate	ZAR Converted Amount	% Movement In MTM	Today's High	Today's Low	Open Interest
11/11/2019	\$ / R 2019/12/04	14.84	C	Any day expiry	0.19558	0.18129			-7.30359	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	13.03	P	Foreign Exchange Future	0.00032	0.00019			-39.96899	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	14.12	P	Foreign Exchange Future	0.05628	0.04941			-12.19718	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.55	P	Foreign Exchange Future	1.80406	1.80232			-0.09638	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.13	C	Foreign Exchange Future	0.01772	0.01413			-20.28059	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.37	C	Foreign Exchange Future	0.01022	0.00781			-23.58158	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	14.08	P	Foreign Exchange Future	0.04921	0.04285			-12.92082	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	12.87	C	Foreign Exchange Future	1.88272	1.88266			-0.00277	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	13.94	C	Foreign Exchange Future	0.84252	0.83784			-0.55610	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	14.41	P	Foreign Exchange Future	0.13108	0.12082			-7.82940	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	13.80	C	Foreign Exchange Future	0.97004	0.96678			-0.33594	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	13.00	P	Foreign Exchange Future	0.00027	0.00016			-40.84297	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.85	P	Foreign Exchange Future	2.10064	2.09966			-0.04659	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	17.38	C	Foreign Exchange Future	0.00089	0.00056			-37.29918	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	15.81	C	Foreign Exchange Future	0.03584	0.03011			-16.00456	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	15.80	P	Foreign Exchange Future	1.08403	1.07821			-0.53631	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13			Foreign Exchange Future	14.75260	14.75260			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.55	C	Foreign Exchange Future	0.00666	0.00492			-26.09753	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	14.11	C	Foreign Exchange Future	0.69704	0.69031			-0.96657	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	14.11	P	Foreign Exchange Future	0.05444	0.04771			-12.37528	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	13.94	P	Foreign Exchange Future	0.02992	0.02524			-15.65775	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	17.02	P	Foreign Exchange Future	2.26954	2.26884			-0.03071	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	17.02	C	Foreign Exchange Future	0.00214	0.00144			-32.56249	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	14.00	C	Foreign Exchange Future	0.78968	0.78432			-0.67915	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	14.00	P	Foreign Exchange Future	0.03708	0.03172			-14.46250	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.25	P	Foreign Exchange Future	1.51094	1.50797			-0.19625	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.25	C	Foreign Exchange Future	0.01354	0.01057			-21.90619	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	11.89	C	Foreign Exchange Future	2.86260	2.86260			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	11.89	P	Foreign Exchange Future	0.00000	0.00000			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	13.66	C	Foreign Exchange Future	1.10218	1.10007			-0.19161	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	13.66	P	Foreign Exchange Future	0.00958	0.00747			-22.05179	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	15.82	C	Foreign Exchange Future	0.03508	0.02942			-16.13600	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	15.82	P	Foreign Exchange Future	1.10248	1.09682			-0.51337	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	13.03	C	Foreign Exchange Future	1.72292	1.72279			-0.00748	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	14.12	C	Foreign Exchange Future	0.68888	0.68201			-0.99642	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.99	P	Foreign Exchange Future	2.23970	2.23896			-0.03306	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.13	P	Foreign Exchange Future	1.39512	1.39153			-0.25759	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.37	P	Foreign Exchange Future	1.62762	1.62521			-0.14801	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	14.08	C	Foreign Exchange Future	0.72181	0.71545			-0.88081	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.35	P	Foreign Exchange Future	1.60811	1.60561			-0.15517	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	12.87	P	Foreign Exchange Future	0.00012	0.00006			-44.72103	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	14.41	C	Foreign Exchange Future	0.47368	0.46342			-2.16658	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	13.80	P	Foreign Exchange Future	0.01744	0.01418			-18.68735	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	13.00	C	Foreign Exchange Future	1.75287	1.75276			-0.00625	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.85	C	Foreign Exchange Future	0.00324	0.00226			-30.25039	0.00000	0.00000	0

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11/11/2019	\$ / R 2019/12/13	17.38	P	Foreign Exchange Future	2.62829	2.62796			-0.01263	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	15.81	P	Foreign Exchange Future	1.09324	1.08751			-0.52472	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	15.80	C	Foreign Exchange Future	0.03663	0.03081			-15.87354	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.99	C	Foreign Exchange Future	0.00230	0.00156			-32.15930	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	14.10	C	Foreign Exchange Future	0.70525	0.69864			-0.93735	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	14.10	P	Foreign Exchange Future	0.05265	0.04604			-12.55517	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.35	C	Foreign Exchange Future	0.01071	0.00821			-23.30183	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.20	P	Foreign Exchange Future	1.46255	1.45933			-0.21986	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	16.20	C	Foreign Exchange Future	0.01515	0.01193			-21.22859	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	14.07	C	Foreign Exchange Future	0.73015	0.72391			-0.85350	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	14.07	P	Foreign Exchange Future	0.04755	0.04131			-13.10686	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	20.00	P	Foreign Exchange Future	5.24740	5.24740			-0.00001	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/13	20.00	C	Foreign Exchange Future	0.00000	0.00000			-60.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/31	17.44	P	Any day expiry	2.65958	2.65859			-0.03747	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/31	16.21	P	Any day expiry	1.46517	1.46065			-0.30845	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/31			Any day expiry	14.78540	14.78540			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/31	14.20	P	Any day expiry	0.10990	0.10287			-6.39315	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/31	17.44	C	Any day expiry	0.00498	0.00399			-19.99117	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/31	17.05	C	Any day expiry	0.00973	0.00806			-17.17537	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/31	16.21	C	Any day expiry	0.04057	0.03605			-11.14020	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/31	14.20	C	Any day expiry	0.69530	0.68827			-1.01050	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/31	17.05	P	Any day expiry	2.27433	2.27266			-0.07346	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/31	14.25	C	Any day expiry	0.65918	0.65176			-1.12514	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/31	14.25	P	Any day expiry	0.12378	0.11636			-5.99192	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/31	13.00	P	Any day expiry	0.00168	0.00131			-22.37155	0.00000	0.00000	0
11/11/2019	\$ / R 2019/12/31	13.00	C	Any day expiry	1.78708	1.78671			-0.02105	0.00000	0.00000	0
11/11/2019	\$ / R 2020/01/02			Any day expiry	14.78910	14.78910			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2020/01/02	13.49	P	Any day expiry	0.01417	0.01224			-13.60800	0.00000	0.00000	0
11/11/2019	\$ / R 2020/01/02	13.49	C	Any day expiry	1.31327	1.31134			-0.14680	0.00000	0.00000	0
11/11/2019	\$ / R 2020/01/31	13.54	P	Any day expiry	0.03865	0.03595			-6.98601	0.00000	0.00000	0
11/11/2019	\$ / R 2020/01/31			Any day expiry	14.84240	14.84240			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2020/01/31	13.54	C	Any day expiry	1.34105	1.33835			-0.20134	0.00000	0.00000	0
11/11/2019	\$ / R 2020/02/28			Any day expiry	14.89510	14.89510			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2020/02/28	14.78	P	Any day expiry	0.45181	0.44500			-1.50675	0.00000	0.00000	0
11/11/2019	\$ / R 2020/02/28	14.78	C	Any day expiry	0.56691	0.56010			-1.20084	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/02			Any day expiry	14.90060	14.90060			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/02	13.59	P	Any day expiry	0.06996	0.06693			-4.32825	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/02	13.59	C	Any day expiry	1.38056	1.37753			-0.21933	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	13.19	P	Foreign Exchange Future	0.03367	0.03195			-5.10760	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	14.51	P	Foreign Exchange Future	0.34479	0.33894			-1.69855	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	16.81	C	Foreign Exchange Future	0.11706	0.11274			-3.68780	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	14.40	C	Foreign Exchange Future	0.82437	0.81878			-0.67846	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	16.60	P	Foreign Exchange Future	1.81393	1.80922			-0.25987	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	17.73	C	Foreign Exchange Future	0.05453	0.05175			-5.10150	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	15.61	C	Foreign Exchange Future	0.31863	0.31232			-1.98049	0.00000	0.00000	0

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11/11/2019	\$ / R 2020/03/16	14.01	P	Foreign Exchange Future	0.16896	0.16451			-2.62998	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	15.63	C	Foreign Exchange Future	0.31339	0.30711			-2.00661	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16			Foreign Exchange Future	14.92590	14.92590			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	14.51	C	Foreign Exchange Future	0.76069	0.75484			-0.76989	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	13.06	C	Foreign Exchange Future	1.88987	1.88851			-0.07183	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	13.06	P	Foreign Exchange Future	0.02397	0.02261			-5.66383	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	15.61	P	Foreign Exchange Future	1.00273	0.99642			-0.62933	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	11.91	C	Foreign Exchange Future	3.01623	3.01619			-0.00143	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	11.91	P	Foreign Exchange Future	0.00033	0.00029			-13.11625	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	13.19	C	Foreign Exchange Future	1.76957	1.76785			-0.09719	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	16.81	P	Foreign Exchange Future	2.00116	1.99684			-0.21572	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	14.40	P	Foreign Exchange Future	0.29847	0.29288			-1.87388	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	16.60	C	Foreign Exchange Future	0.13983	0.13512			-3.37116	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	17.73	P	Foreign Exchange Future	2.85863	2.85585			-0.09732	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	14.01	C	Foreign Exchange Future	1.08486	1.08041			-0.40959	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	15.63	P	Foreign Exchange Future	1.01749	1.01121			-0.61805	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	14.66	C	Foreign Exchange Future	0.68010	0.67395			-0.90434	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	14.66	P	Foreign Exchange Future	0.41420	0.40805			-1.48488	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	17.04	P	Foreign Exchange Future	2.21054	2.20665			-0.17621	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	17.04	C	Foreign Exchange Future	0.09644	0.09255			-4.03870	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	17.88	P	Foreign Exchange Future	3.00241	2.99984			-0.08580	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	17.88	C	Foreign Exchange Future	0.04831	0.04574			-5.33194	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	13.78	C	Foreign Exchange Future	1.26149	1.25782			-0.29148	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	13.78	P	Foreign Exchange Future	0.11559	0.11192			-3.18094	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	12.96	C	Foreign Exchange Future	1.98403	1.98291			-0.05598	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	12.96	P	Foreign Exchange Future	0.01813	0.01701			-6.12797	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	15.62	C	Foreign Exchange Future	0.31600	0.30970			-1.99352	0.00000	0.00000	0
11/11/2019	\$ / R 2020/03/16	15.62	P	Foreign Exchange Future	1.01010	1.00380			-0.62366	0.00000	0.00000	0
11/11/2019	\$ / R 2020/04/02	13.64	C	Any day expiry	1.42155	1.41839			-0.22229	0.00000	0.00000	0
11/11/2019	\$ / R 2020/04/02			Any day expiry	14.95720	14.95720			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2020/04/02	13.64	P	Any day expiry	0.10435	0.10119			-3.02824	0.00000	0.00000	0
11/11/2019	\$ / R 2020/04/29			Any day expiry	15.00870	15.00870			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2020/04/29	13.69	P	Any day expiry	0.13585	0.13265			-2.35550	0.00000	0.00000	0
11/11/2019	\$ / R 2020/04/29	13.69	C	Any day expiry	1.45455	1.45135			-0.21999	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/02	13.74	P	Any day expiry	0.17379	0.17061			-1.82862	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/02			Any day expiry	15.07600	15.07600			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/02	13.74	C	Any day expiry	1.50979	1.50661			-0.21049	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/12	11.90	C	Foreign Exchange Future	3.20150	3.20121			-0.00918	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/12	14.25	C	Foreign Exchange Future	1.17945	1.17534			-0.34887	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/12	15.17	P	Foreign Exchange Future	0.78604	0.78086			-0.65903	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/12			Foreign Exchange Future	15.09580	15.09580			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/12	14.25	P	Foreign Exchange Future	0.33365	0.32954			-1.23326	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/12	17.26	P	Foreign Exchange Future	2.38085	2.37675			-0.17225	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/12	17.26	C	Foreign Exchange Future	0.21665	0.21255			-1.89292	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/12	15.17	C	Foreign Exchange Future	0.71184	0.70666			-0.72773	0.00000	0.00000	0

Deal Date	Contract Details	Strike	Call/ Put	Product	Previous Close Price	Today Close Price	Spot Rate	ZAR Converted Amount	% Movement In MTM	Today's High	Today's Low	Open Interest
11/11/2019	\$ / R 2020/06/12	11.90	P	Foreign Exchange Future	0.00570	0.00541			-5.15473	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/12	15.18	C	Foreign Exchange Future	0.70780	0.70262			-0.73249	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/12	15.16	P	Foreign Exchange Future	0.78010	0.77493			-0.66349	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/12	15.18	P	Foreign Exchange Future	0.79200	0.78682			-0.65462	0.00000	0.00000	0
11/11/2019	\$ / R 2020/06/12	15.16	C	Foreign Exchange Future	0.71590	0.71073			-0.72299	0.00000	0.00000	0
11/11/2019	\$ / R 2020/07/28			Any day expiry	15.18680	15.18680			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2020/07/28	15.37	P	Any day expiry	0.94137	0.93655			-0.51167	0.00000	0.00000	0
11/11/2019	\$ / R 2020/07/28	15.37	C	Any day expiry	0.75817	0.75335			-0.63531	0.00000	0.00000	0
11/11/2019	\$ / R 2020/09/14	15.35	P	Foreign Exchange Future	0.95873	0.95428			-0.46462	0.00000	0.00000	0
11/11/2019	\$ / R 2020/09/14	15.34	C	Foreign Exchange Future	0.89312	0.88867			-0.49834	0.00000	0.00000	0
11/11/2019	\$ / R 2020/09/14			Foreign Exchange Future	15.28040	15.28040			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R 2020/09/14	15.35	C	Foreign Exchange Future	0.88913	0.88468			-0.50099	0.00000	0.00000	0
11/11/2019	\$ / R 2020/09/14	15.34	P	Foreign Exchange Future	0.95272	0.94827			-0.46717	0.00000	0.00000	0
11/11/2019	\$ / R 2020/09/14	15.36	C	Foreign Exchange Future	0.88516	0.88070			-0.50367	0.00000	0.00000	0
11/11/2019	\$ / R 2020/09/14	15.36	P	Foreign Exchange Future	0.96476	0.96030			-0.46212	0.00000	0.00000	0
11/11/2019	\$ / R MAXI 2019/12/13	14.02	P	Foreign Exchange Future	0.03987	0.03426			-14.06544	0.00000	0.00000	0
11/11/2019	\$ / R MAXI 2019/12/13	14.01	C	Foreign Exchange Future	0.78105	0.77557			-0.70224	0.00000	0.00000	0
11/11/2019	\$ / R MAXI 2019/12/13			Foreign Exchange Future	14.75260	14.75260			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R MAXI 2019/12/13	14.02	C	Foreign Exchange Future	0.77247	0.76686			-0.72598	0.00000	0.00000	0
11/11/2019	\$ / R MAXI 2019/12/13	14.01	P	Foreign Exchange Future	0.03845	0.03297			-14.26325	0.00000	0.00000	0
11/11/2019	\$ / R MAXI 2019/12/13	14.03	C	Foreign Exchange Future	0.76392	0.75819			-0.75029	0.00000	0.00000	0
11/11/2019	\$ / R MAXI 2019/12/13	14.03	P	Foreign Exchange Future	0.04132	0.03559			-13.86974	0.00000	0.00000	0
11/11/2019	\$ / R MAXI 2020/03/16	14.68	C	Foreign Exchange Future	0.66989	0.66371			-0.92309	0.00000	0.00000	0
11/11/2019	\$ / R MAXI 2020/03/16	14.69	P	Foreign Exchange Future	0.42893	0.42273			-1.44541	0.00000	0.00000	0
11/11/2019	\$ / R MAXI 2020/03/16			Foreign Exchange Future	14.92590	14.92590			0.00000	0.00000	0.00000	0
11/11/2019	\$ / R MAXI 2020/03/16	14.68	P	Foreign Exchange Future	0.42399	0.41781			-1.45845	0.00000	0.00000	0
11/11/2019	\$ / R MAXI 2020/03/16	14.69	C	Foreign Exchange Future	0.66483	0.65863			-0.93254	0.00000	0.00000	0
11/11/2019	\$ / R MAXI 2020/03/16	14.67	C	Foreign Exchange Future	0.67498	0.66881			-0.91369	0.00000	0.00000	0
11/11/2019	\$ / R MAXI 2020/03/16	14.67	P	Foreign Exchange Future	0.41908	0.41291			-1.47161	0.00000	0.00000	0
11/11/2019	£ / R 2019/12/13	19.96	C	Foreign Exchange Future	0.11756	0.10580			-10.00496	0.00000	0.00000	0
11/11/2019	£ / R 2019/12/13	19.95	P	Foreign Exchange Future	0.79851	0.78666			-1.48401	0.00000	0.00000	0
11/11/2019	£ / R 2019/12/13			Foreign Exchange Future	19.27110	19.27110			0.00000	0.00000	0.00000	0
11/11/2019	£ / R 2019/12/13	19.97	C	Foreign Exchange Future	0.11554	0.10386			-10.10341	0.00000	0.00000	0
11/11/2019	£ / R 2019/12/13	19.97	P	Foreign Exchange Future	0.81444	0.80276			-1.43328	0.00000	0.00000	0
11/11/2019	£ / R 2019/12/13	19.96	P	Foreign Exchange Future	0.80646	0.79470			-1.45845	0.00000	0.00000	0
11/11/2019	£ / R 2019/12/13	19.95	C	Foreign Exchange Future	0.11961	0.10776			-9.90703	0.00000	0.00000	0
11/11/2019	£ / R 2019/12/13	18.75	C	Foreign Exchange Future	0.65740	0.64544			-1.81923	0.00000	0.00000	0
11/11/2019	£ / R 2019/12/13	18.75	P	Foreign Exchange Future	0.13630	0.12434			-8.77435	0.00000	0.00000	0
11/11/2019	£ / R 2019/12/13	22.13	P	Foreign Exchange Future	2.86016	2.85970			-0.01586	0.00000	0.00000	0
11/11/2019	£ / R 2019/12/13	22.13	C	Foreign Exchange Future	0.00126	0.00080			-36.10890	0.00000	0.00000	0
11/11/2019	£ / R 2020/03/16	19.00	P	Foreign Exchange Future	0.41652	0.40921			-1.75687	0.00000	0.00000	0
11/11/2019	£ / R 2020/03/16	20.31	C	Foreign Exchange Future	0.41223	0.40448			-1.87979	0.00000	0.00000	0
11/11/2019	£ / R 2020/03/16			Foreign Exchange Future	19.57520	19.57520			0.00000	0.00000	0.00000	0
11/11/2019	£ / R 2020/03/16	20.29	C	Foreign Exchange Future	0.41824	0.41046			-1.85833	0.00000	0.00000	0
11/11/2019	£ / R 2020/03/16	20.29	P	Foreign Exchange Future	1.13304	1.12526			-0.68596	0.00000	0.00000	0

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11/11/2019	£ / R 2020/03/16	19.00	C	Foreign Exchange Future	0.99172	0.98441			-0.73789	0.00000	0.00000	0
11/11/2019	£ / R 2020/03/16	20.31	P	Foreign Exchange Future	1.14703	1.13928			-0.67558	0.00000	0.00000	0
11/11/2019	£ / R 2020/03/16	20.30	C	Foreign Exchange Future	0.41523	0.40746			-1.86903	0.00000	0.00000	0
11/11/2019	£ / R 2020/03/16	20.30	P	Foreign Exchange Future	1.14003	1.13226			-0.68075	0.00000	0.00000	0
11/11/2019	£ / R 2020/06/12	20.01	P	Foreign Exchange Future	1.01610	1.00960			-0.64020	0.00000	0.00000	0
11/11/2019	£ / R 2020/06/12			Foreign Exchange Future	19.86290	19.86290			0.00000	0.00000	0.00000	0
11/11/2019	£ / R 2020/06/12	20.00	C	Foreign Exchange Future	0.87320	0.86670			-0.74471	0.00000	0.00000	0
11/11/2019	£ / R 2020/06/12	20.00	P	Foreign Exchange Future	1.01030	1.00380			-0.64365	0.00000	0.00000	0
11/11/2019	£ / R 2020/06/12	20.01	C	Foreign Exchange Future	0.86900	0.86250			-0.74857	0.00000	0.00000	0
11/11/2019	£ / R 2020/06/12	19.99	C	Foreign Exchange Future	0.87742	0.87092			-0.74088	0.00000	0.00000	0
11/11/2019	£ / R 2020/06/12	19.99	P	Foreign Exchange Future	1.00452	0.99802			-0.64714	0.00000	0.00000	0
11/11/2019	£ / R 2020/09/14	20.30	C	Foreign Exchange Future	1.11511	1.10942			-0.50970	0.00000	0.00000	0
11/11/2019	£ / R 2020/09/14	20.29	P	Foreign Exchange Future	1.23891	1.23323			-0.45858	0.00000	0.00000	0
11/11/2019	£ / R 2020/09/14			Foreign Exchange Future	20.17040	20.17040			0.00000	0.00000	0.00000	0
11/11/2019	£ / R 2020/09/14	20.31	C	Foreign Exchange Future	1.11091	1.10523			-0.51180	0.00000	0.00000	0
11/11/2019	£ / R 2020/09/14	20.31	P	Foreign Exchange Future	1.25051	1.24483			-0.45467	0.00000	0.00000	0
11/11/2019	£ / R 2020/09/14	20.30	P	Foreign Exchange Future	1.24471	1.23902			-0.45663	0.00000	0.00000	0
11/11/2019	£ / R 2020/09/14	20.29	C	Foreign Exchange Future	1.11931	1.11363			-0.50758	0.00000	0.00000	0
11/11/2019	¥ / R 2019/12/13	0.13	P	Foreign Exchange Future	0.00097	0.00088			-9.37610	0.00000	0.00000	0
11/11/2019	¥ / R 2019/12/13	0.12	C	Foreign Exchange Future	0.01461	0.01461			-0.01906	0.00000	0.00000	0
11/11/2019	¥ / R 2019/12/13			Foreign Exchange Future	0.13460	0.13460			0.00000	0.00000	0.00000	0
11/11/2019	¥ / R 2019/12/13	0.13	C	Foreign Exchange Future	0.00557	0.00548			-1.63135	0.00000	0.00000	0
11/11/2019	¥ / R 2019/12/13	0.12	P	Foreign Exchange Future	0.00001	0.00001			-35.14196	0.00000	0.00000	0
11/11/2019	¥ / R 2019/12/13	0.14	C	Foreign Exchange Future	0.00106	0.00096			-9.56910	0.00000	0.00000	0
11/11/2019	¥ / R 2019/12/13	0.14	P	Foreign Exchange Future	0.00646	0.00636			-1.57578	0.00000	0.00000	0
11/11/2019	¥ / R 2020/03/16	0.15	P	Foreign Exchange Future	0.01476	0.01470			-0.37013	0.00000	0.00000	0
11/11/2019	¥ / R 2020/03/16			Foreign Exchange Future	0.13720	0.13720			0.00000	0.00000	0.00000	0
11/11/2019	¥ / R 2020/03/16	0.14	C	Foreign Exchange Future	0.00455	0.00449			-1.47313	0.00000	0.00000	0
11/11/2019	¥ / R 2020/03/16	0.14	P	Foreign Exchange Future	0.00735	0.00729			-0.91213	0.00000	0.00000	0
11/11/2019	¥ / R 2020/03/16	0.15	C	Foreign Exchange Future	0.00196	0.00190			-2.78919	0.00000	0.00000	0
11/11/2019	¥ / R 2020/03/16	0.13	C	Foreign Exchange Future	0.00952	0.00947			-0.53894	0.00000	0.00000	0
11/11/2019	¥ / R 2020/03/16	0.13	P	Foreign Exchange Future	0.00232	0.00227			-2.20803	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	18.03	P	Foreign Exchange Future	1.28970	1.28463			-0.39332	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	19.80	P	Foreign Exchange Future	3.03162	3.03141			-0.00691	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	14.09	P	Foreign Exchange Future	0.00000	0.00000			-57.44681	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	15.70	P	Foreign Exchange Future	0.01537	0.01233			-19.77667	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	13.73	C	Foreign Exchange Future	3.03890	3.03890			-0.00001	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	16.15	C	Foreign Exchange Future	0.69013	0.68209			-1.16513	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13			Foreign Exchange Future	16.76890	16.76890			0.00000	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	18.02	C	Foreign Exchange Future	0.02920	0.02406			-17.61158	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	18.02	P	Foreign Exchange Future	1.28030	1.27516			-0.40167	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	14.09	C	Foreign Exchange Future	2.67890	2.67890			-0.00010	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	20.62	P	Foreign Exchange Future	3.85117	3.85114			-0.00092	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	20.62	C	Foreign Exchange Future	0.00007	0.00004			-49.71910	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	18.03	C	Foreign Exchange Future	0.02860	0.02353			-17.73752	0.00000	0.00000	0

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11/11/2019	€ / R 2019/12/13	15.85	P	Foreign Exchange Future	0.02677	0.02232			-16.64998	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	19.80	C	Foreign Exchange Future	0.00052	0.00031			-40.34682	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	15.70	C	Foreign Exchange Future	1.08427	1.08123			-0.28029	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	19.79	P	Foreign Exchange Future	3.02163	3.02142			-0.00708	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	13.73	P	Foreign Exchange Future	0.00000	0.00000			-60.00000	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	16.15	P	Foreign Exchange Future	0.07123	0.06319			-11.28848	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	18.01	C	Foreign Exchange Future	0.02981	0.02460			-17.48529	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	18.01	P	Foreign Exchange Future	1.27091	1.26570			-0.41019	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	14.23	C	Foreign Exchange Future	2.53891	2.53890			-0.00022	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	14.23	P	Foreign Exchange Future	0.00001	0.00000			-54.80769	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	15.85	C	Foreign Exchange Future	0.94567	0.94122			-0.47138	0.00000	0.00000	0
11/11/2019	€ / R 2019/12/13	19.79	C	Foreign Exchange Future	0.00053	0.00032			-40.24092	0.00000	0.00000	0
11/11/2019	€ / R 2020/02/10	16.65	C	Any day expiry	0.66546	0.65796			-1.12765	0.00000	0.00000	0
11/11/2019	€ / R 2020/02/10	17.00	P	Any day expiry	0.51516	0.50706			-1.57219	0.00000	0.00000	0
11/11/2019	€ / R 2020/02/10			Any day expiry	16.97740	16.97740			0.00000	0.00000	0.00000	0
11/11/2019	€ / R 2020/02/10	17.07	P	Any day expiry	0.55540	0.54725			-1.46607	0.00000	0.00000	0
11/11/2019	€ / R 2020/02/10	17.07	C	Any day expiry	0.46280	0.45465			-1.75941	0.00000	0.00000	0
11/11/2019	€ / R 2020/02/10	16.65	P	Any day expiry	0.33806	0.33056			-2.21974	0.00000	0.00000	0
11/11/2019	€ / R 2020/02/10	16.91	P	Any day expiry	0.46576	0.45775			-1.71929	0.00000	0.00000	0
11/11/2019	€ / R 2020/02/10	17.00	C	Any day expiry	0.49256	0.48446			-1.64432	0.00000	0.00000	0
11/11/2019	€ / R 2020/02/10	16.91	C	Any day expiry	0.53316	0.52515			-1.50194	0.00000	0.00000	0
11/11/2019	€ / R 2020/03/16	18.46	C	Foreign Exchange Future	0.21031	0.20446			-2.78291	0.00000	0.00000	0
11/11/2019	€ / R 2020/03/16	18.45	P	Foreign Exchange Future	1.56566	1.55979			-0.37495	0.00000	0.00000	0
11/11/2019	€ / R 2020/03/16			Foreign Exchange Future	17.09630	17.09630			0.00000	0.00000	0.00000	0
11/11/2019	€ / R 2020/03/16	18.47	C	Foreign Exchange Future	0.20868	0.20285			-2.79626	0.00000	0.00000	0
11/11/2019	€ / R 2020/03/16	18.47	P	Foreign Exchange Future	1.58238	1.57655			-0.36877	0.00000	0.00000	0
11/11/2019	€ / R 2020/03/16	18.46	P	Foreign Exchange Future	1.57401	1.56816			-0.37184	0.00000	0.00000	0
11/11/2019	€ / R 2020/03/16	18.45	C	Foreign Exchange Future	0.21196	0.20609			-2.76965	0.00000	0.00000	0
11/11/2019	AU\$ / R 2019/12/13	10.91	P	Foreign Exchange Future	0.48167	0.47788			-0.78842	0.00000	0.00000	0
11/11/2019	AU\$ / R 2019/12/13	11.00	P	Foreign Exchange Future	0.56278	0.55975			-0.53765	0.00000	0.00000	0
11/11/2019	AU\$ / R 2019/12/13			Foreign Exchange Future	10.45630	10.45630			0.00000	0.00000	0.00000	0
11/11/2019	AU\$ / R 2019/12/13	10.90	C	Foreign Exchange Future	0.02916	0.02528			-13.32915	0.00000	0.00000	0
11/11/2019	AU\$ / R 2019/12/13	10.90	P	Foreign Exchange Future	0.47286	0.46898			-0.82204	0.00000	0.00000	0
11/11/2019	AU\$ / R 2019/12/13	10.91	C	Foreign Exchange Future	0.02797	0.02418			-13.57605	0.00000	0.00000	0
11/11/2019	AU\$ / R 2019/12/13	11.00	C	Foreign Exchange Future	0.01908	0.01605			-15.86074	0.00000	0.00000	0
11/11/2019	AU\$ / R 2019/12/13	10.89	C	Foreign Exchange Future	0.03040	0.02642			-13.08381	0.00000	0.00000	0
11/11/2019	AU\$ / R 2019/12/13	10.89	P	Foreign Exchange Future	0.46410	0.46012			-0.85695	0.00000	0.00000	0
11/11/2019	AU\$ / R 2020/03/16	11.06	C	Foreign Exchange Future	0.14384	0.14064			-2.22574	0.00000	0.00000	0
11/11/2019	AU\$ / R 2020/03/16	11.05	P	Foreign Exchange Future	0.59303	0.58982			-0.54238	0.00000	0.00000	0
11/11/2019	AU\$ / R 2020/03/16			Foreign Exchange Future	10.60320	10.60320			0.00000	0.00000	0.00000	0
11/11/2019	AU\$ / R 2020/03/16	11.07	C	Foreign Exchange Future	0.14148	0.13830			-2.25188	0.00000	0.00000	0
11/11/2019	AU\$ / R 2020/03/16	11.07	P	Foreign Exchange Future	0.60828	0.60510			-0.52377	0.00000	0.00000	0
11/11/2019	AU\$ / R 2020/03/16	11.06	P	Foreign Exchange Future	0.60064	0.59744			-0.53301	0.00000	0.00000	0
11/11/2019	AU\$ / R 2020/03/16	11.05	C	Foreign Exchange Future	0.14623	0.14302			-2.19959	0.00000	0.00000	0
11/11/2019	CAD/ R 2019/12/13	11.54	C	Foreign Exchange Future	0.03412	0.02954			-13.40665	0.00000	0.00000	0

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11/11/2019	CAD/ R 2019/12/13	11.55	P	Foreign Exchange Future	0.57264	0.56816			-0.78321	0.00000	0.00000	0
11/11/2019	CAD/ R 2019/12/13	11.53	P	Foreign Exchange Future	0.55503	0.55037			-0.84027	0.00000	0.00000	0
11/11/2019	CAD/ R 2019/12/13			Foreign Exchange Future	11.01030	11.01030			0.00000	0.00000	0.00000	0
11/11/2019	CAD/ R 2019/12/13	11.54	P	Foreign Exchange Future	0.56382	0.55924			-0.81129	0.00000	0.00000	0
11/11/2019	CAD/ R 2019/12/13	11.55	C	Foreign Exchange Future	0.03294	0.02846			-13.61550	0.00000	0.00000	0
11/11/2019	CAD/ R 2019/12/13	11.53	C	Foreign Exchange Future	0.03533	0.03067			-13.19911	0.00000	0.00000	0
11/11/2019	CAD/ R 2020/03/16	11.70	C	Foreign Exchange Future	0.16780	0.16405			-2.23411	0.00000	0.00000	0
11/11/2019	CAD/ R 2020/03/16			Foreign Exchange Future	11.16030	11.16030			0.00000	0.00000	0.00000	0
11/11/2019	CAD/ R 2020/03/16	11.68	C	Foreign Exchange Future	0.17257	0.16880			-2.18973	0.00000	0.00000	0
11/11/2019	CAD/ R 2020/03/16	11.68	P	Foreign Exchange Future	0.69227	0.68850			-0.54587	0.00000	0.00000	0
11/11/2019	CAD/ R 2020/03/16	11.70	P	Foreign Exchange Future	0.70750	0.70375			-0.52987	0.00000	0.00000	0
11/11/2019	CAD/ R 2020/03/16	11.69	C	Foreign Exchange Future	0.17017	0.16641			-2.21185	0.00000	0.00000	0
11/11/2019	CAD/ R 2020/03/16	11.69	P	Foreign Exchange Future	0.69987	0.69611			-0.53780	0.00000	0.00000	0
11/11/2019	CHF / R 2019/12/13	15.96	P	Foreign Exchange Future	1.21124	1.20682			-0.36537	0.00000	0.00000	0
11/11/2019	CHF / R 2019/12/13	15.95	C	Foreign Exchange Future	0.02490	0.02041			-18.04212	0.00000	0.00000	0
11/11/2019	CHF / R 2019/12/13			Foreign Exchange Future	14.77310	14.77310			0.00000	0.00000	0.00000	0
11/11/2019	CHF / R 2019/12/13	15.96	C	Foreign Exchange Future	0.02434	0.01992			-18.18081	0.00000	0.00000	0
11/11/2019	CHF / R 2019/12/13	15.95	P	Foreign Exchange Future	1.20180	1.19731			-0.37388	0.00000	0.00000	0
11/11/2019	CHF / R 2019/12/13	15.97	C	Foreign Exchange Future	0.02379	0.01943			-18.31930	0.00000	0.00000	0
11/11/2019	CHF / R 2019/12/13	15.97	P	Foreign Exchange Future	1.22069	1.21633			-0.35704	0.00000	0.00000	0
11/11/2019	CHF / R 2020/03/16	16.64	P	Foreign Exchange Future	1.71617	1.71124			-0.28688	0.00000	0.00000	0
11/11/2019	CHF / R 2020/03/16			Foreign Exchange Future	15.07740	15.07740			0.00000	0.00000	0.00000	0
11/11/2019	CHF / R 2020/03/16	16.63	C	Foreign Exchange Future	0.15490	0.14996			-3.19096	0.00000	0.00000	0
11/11/2019	CHF / R 2020/03/16	16.63	P	Foreign Exchange Future	1.70750	1.70256			-0.28948	0.00000	0.00000	0
11/11/2019	CHF / R 2020/03/16	16.64	C	Foreign Exchange Future	0.15357	0.14864			-3.20600	0.00000	0.00000	0
11/11/2019	CHF / R 2020/03/16	16.62	C	Foreign Exchange Future	0.15625	0.15128			-3.17602	0.00000	0.00000	0
11/11/2019	CHF / R 2020/03/16	16.62	P	Foreign Exchange Future	1.69885	1.69388			-0.29210	0.00000	0.00000	0
11/11/2019	CNH / R 2019/12/13	2.11	P	Foreign Exchange Future	0.00527	0.00451			-14.37532	0.00000	0.00000	0
11/11/2019	CNH / R 2019/12/13	2.10	C	Foreign Exchange Future	0.11878	0.11814			-0.54296	0.00000	0.00000	0
11/11/2019	CNH / R 2019/12/13			Foreign Exchange Future	2.21470	2.21470			0.00000	0.00000	0.00000	0
11/11/2019	CNH / R 2019/12/13	2.11	C	Foreign Exchange Future	0.10997	0.10921			-0.68921	0.00000	0.00000	0
11/11/2019	CNH / R 2019/12/13	2.10	P	Foreign Exchange Future	0.00408	0.00344			-15.80139	0.00000	0.00000	0
11/11/2019	CNH / R 2019/12/13	2.12	C	Foreign Exchange Future	0.10142	0.10054			-0.86367	0.00000	0.00000	0
11/11/2019	CNH / R 2019/12/13	2.12	P	Foreign Exchange Future	0.00672	0.00584			-13.03732	0.00000	0.00000	0
11/11/2019	DKK / R 2019/12/13	2.54	P	Foreign Exchange Future	0.29067	0.29061			-0.02045	0.00000	0.00000	0
11/11/2019	DKK / R 2019/12/13			Foreign Exchange Future	2.24950	2.24950			0.00000	0.00000	0.00000	0
11/11/2019	DKK / R 2019/12/13	2.54	C	Foreign Exchange Future	0.00017	0.00011			-34.76430	0.00000	0.00000	0
11/11/2019	DKK / R 2019/12/13	2.55	C	Foreign Exchange Future	0.00013	0.00009			-36.04868	0.00000	0.00000	0
11/11/2019	DKK / R 2019/12/13	2.53	P	Foreign Exchange Future	0.28072	0.28064			-0.02595	0.00000	0.00000	0
11/11/2019	DKK / R 2019/12/13	2.55	P	Foreign Exchange Future	0.30063	0.30059			-0.01606	0.00000	0.00000	0
11/11/2019	DKK / R 2019/12/13	2.53	C	Foreign Exchange Future	0.00022	0.00014			-33.47732	0.00000	0.00000	0
11/11/2019	DKK / R 2020/03/16	2.61	C	Foreign Exchange Future	0.00854	0.00814			-4.67337	0.00000	0.00000	0
11/11/2019	DKK / R 2020/03/16	2.60	P	Foreign Exchange Future	0.31420	0.31379			-0.13296	0.00000	0.00000	0
11/11/2019	DKK / R 2020/03/16			Foreign Exchange Future	2.29500	2.29500			0.00000	0.00000	0.00000	0
11/11/2019	DKK / R 2020/03/16	2.62	C	Foreign Exchange Future	0.00793	0.00755			-4.80800	0.00000	0.00000	0



Deal Date	Contract Details	Strike	Call/ Put	Product	Previous Close Price	Today Close Price	Spot Rate	ZAR Converted Amount	% Movement In MTM	Today's High	Today's Low	Open Interest
11/11/2019	DKK / R 2020/03/16	2.62	P	Foreign Exchange Future	0.33293	0.33255			-0.11452	0.00000	0.00000	0
11/11/2019	DKK / R 2020/03/16	2.61	P	Foreign Exchange Future	0.32354	0.32314			-0.12341	0.00000	0.00000	0
11/11/2019	DKK / R 2020/03/16	2.60	C	Foreign Exchange Future	0.00920	0.00879			-4.53950	0.00000	0.00000	0
11/11/2019	HK\$/R 2019/12/13	1.84	C	Foreign Exchange Future	0.06342	0.06216			-1.99716	0.00000	0.00000	0
11/11/2019	HK\$/R 2019/12/13	1.83	P	Foreign Exchange Future	0.01238	0.01123			-9.34231	0.00000	0.00000	0
11/11/2019	HK\$/R 2019/12/13			Foreign Exchange Future	1.88810	1.88810			0.00000	0.00000	0.00000	0
11/11/2019	HK\$/R 2019/12/13	1.85	C	Foreign Exchange Future	0.05680	0.05544			-2.39997	0.00000	0.00000	0
11/11/2019	HK\$/R 2019/12/13	1.85	P	Foreign Exchange Future	0.01870	0.01734			-7.28981	0.00000	0.00000	0
11/11/2019	HK\$/R 2019/12/13	1.84	P	Foreign Exchange Future	0.01532	0.01406			-8.26621	0.00000	0.00000	0
11/11/2019	HK\$/R 2019/12/13	1.83	C	Foreign Exchange Future	0.07048	0.06933			-1.64147	0.00000	0.00000	0
11/11/2019	KES / R 2019/12/13			Foreign Exchange Future	0.13910	0.13910			0.00000	0.00000	0.00000	0
11/11/2019	KES / R 2020/03/16			Foreign Exchange Future	0.13910	0.13910			0.00000	0.00000	0.00000	0
11/11/2019	NOK/R 2019/12/13			Foreign Exchange Future	1.71570	1.71570			0.00000	0.00000	0.00000	0
11/11/2019	NZ\$ / R 2019/12/13	10.35	P	Foreign Exchange Future	0.49672	0.49278			-0.79164	0.00000	0.00000	0
11/11/2019	NZ\$ / R 2019/12/13			Foreign Exchange Future	9.88230	9.88230			0.00000	0.00000	0.00000	0
11/11/2019	NZ\$ / R 2019/12/13	10.35	C	Foreign Exchange Future	0.02902	0.02508			-13.55174	0.00000	0.00000	0
11/11/2019	NZ\$ / R 2019/12/13	10.34	P	Foreign Exchange Future	0.48792	0.48389			-0.82438	0.00000	0.00000	0
11/11/2019	NZ\$ / R 2019/12/13	10.36	C	Foreign Exchange Future	0.02786	0.02402			-13.79298	0.00000	0.00000	0
11/11/2019	NZ\$ / R 2019/12/13	10.36	P	Foreign Exchange Future	0.50556	0.50172			-0.76007	0.00000	0.00000	0
11/11/2019	NZ\$ / R 2019/12/13	10.34	C	Foreign Exchange Future	0.03022	0.02619			-13.31213	0.00000	0.00000	0
11/11/2019	NZ\$ / R 2020/03/16	10.52	C	Foreign Exchange Future	0.13879	0.13557			-2.32203	0.00000	0.00000	0
11/11/2019	NZ\$ / R 2020/03/16	10.53	P	Foreign Exchange Future	0.65249	0.64929			-0.49148	0.00000	0.00000	0
11/11/2019	NZ\$ / R 2020/03/16			Foreign Exchange Future	10.01410	10.01410			0.00000	0.00000	0.00000	0
11/11/2019	NZ\$ / R 2020/03/16	10.52	P	Foreign Exchange Future	0.64469	0.64147			-0.49989	0.00000	0.00000	0
11/11/2019	NZ\$ / R 2020/03/16	10.53	C	Foreign Exchange Future	0.13659	0.13339			-2.34778	0.00000	0.00000	0
11/11/2019	NZ\$ / R 2020/03/16	10.51	C	Foreign Exchange Future	0.14102	0.13778			-2.29638	0.00000	0.00000	0
11/11/2019	NZ\$ / R 2020/03/16	10.51	P	Foreign Exchange Future	0.63692	0.63368			-0.50843	0.00000	0.00000	0
11/11/2019	PULA / R 2019/12/13	1.35	P	Foreign Exchange Future	0.00000	0.00000			0.00000	0.00000	0.00000	0
11/11/2019	PULA / R 2019/12/13			Foreign Exchange Future	1.35080	1.35080			0.00000	0.00000	0.00000	0
11/11/2019	PULA / R 2019/12/13	1.34	C	Foreign Exchange Future	0.01080	0.01080			0.00000	0.00000	0.00000	0
11/11/2019	PULA / R 2019/12/13	1.34	P	Foreign Exchange Future	0.00000	0.00000			0.00000	0.00000	0.00000	0
11/11/2019	PULA / R 2019/12/13	1.35	C	Foreign Exchange Future	0.00080	0.00080			0.00000	0.00000	0.00000	0
11/11/2019	PULA / R 2019/12/13	1.33	C	Foreign Exchange Future	0.02080	0.02080			0.00000	0.00000	0.00000	0
11/11/2019	PULA / R 2019/12/13	1.33	P	Foreign Exchange Future	0.00000	0.00000			0.00000	0.00000	0.00000	0
11/11/2019	QUANTO £ / \$ 2019/12/13			Foreign Exchange Future	1.30630	1.30630			0.00000	0.00000	0.00000	0
11/11/2019	QUANTO £ / \$ 2020/03/16			Foreign Exchange Future	1.31150	1.31150			0.00000	0.00000	0.00000	0
11/11/2019	QUANTO € / \$ 2019/12/13			Foreign Exchange Future	1.13670	1.13670			0.00000	0.00000	0.00000	0
11/11/2019	QUANTO € / \$ 2020/03/16			Foreign Exchange Future	1.14540	1.14540			0.00000	0.00000	0.00000	0
11/11/2019	SGD / R 2019/12/13	10.67	P	Foreign Exchange Future	0.08314	0.07666			-7.79156	0.00000	0.00000	0
11/11/2019	SGD / R 2019/12/13	10.66	C	Foreign Exchange Future	0.30359	0.29721			-2.10264	0.00000	0.00000	0
11/11/2019	SGD / R 2019/12/13			Foreign Exchange Future	10.88370	10.88370			0.00000	0.00000	0.00000	0
11/11/2019	SGD / R 2019/12/13	10.67	C	Foreign Exchange Future	0.29684	0.29036			-2.18234	0.00000	0.00000	0
11/11/2019	SGD / R 2019/12/13	10.66	P	Foreign Exchange Future	0.07989	0.07351			-7.98989	0.00000	0.00000	0
11/11/2019	SGD / R 2019/12/13	10.68	C	Foreign Exchange Future	0.29018	0.28361			-2.26396	0.00000	0.00000	0
11/11/2019	SGD / R 2019/12/13	10.68	P	Foreign Exchange Future	0.08648	0.07991			-7.59677	0.00000	0.00000	0

Deal Date	Contract Details	Strike	Call/ Put	Product	Previous Close Price	Today Close Price	Spot Rate	ZAR Converted Amount	% Movement In MTM	Today's High	Today's Low	Open Interest
11/11/2019	TRY / R 2019/12/13	2.30	C	Foreign Exchange Future	0.01307	0.01147			-12.27651	0.00000	0.00000	0
11/11/2019	TRY / R 2019/12/13	2.28	P	Foreign Exchange Future	0.14674	0.14494			-1.22958	0.00000	0.00000	0
11/11/2019	TRY / R 2019/12/13			Foreign Exchange Future	2.14970	2.14970			0.00000	0.00000	0.00000	0
11/11/2019	TRY / R 2019/12/13	2.30	P	Foreign Exchange Future	0.16337	0.16177			-0.98224	0.00000	0.00000	0
11/11/2019	TRY / R 2019/12/13	2.28	C	Foreign Exchange Future	0.01644	0.01464			-10.97433	0.00000	0.00000	0
11/11/2019	TRY / R 2019/12/13	2.29	P	Foreign Exchange Future	0.15498	0.15327			-1.10017	0.00000	0.00000	0
11/11/2019	TRY / R 2019/12/13	2.29	C	Foreign Exchange Future	0.01468	0.01297			-11.61721	0.00000	0.00000	0

**Future Open Interest**

**0**

**Option Open Interest**

**0**

**Total**

**0**