



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 22-June-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
Jul 2018	DAEU	Future	34	15.7456	15.8914	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	33	15.7943	15.9408	0.0000	0.0000	0	0.00
			<u>67</u>					<u>0.00</u>	<u>0.00</u>
									<u>791 007.00</u>
									<u>11 806 212 560.60</u>
<b>Option</b>									
Jul 2018	DAEU	15.63 Put	10,000	199.8257	150.8847	0.0000	0.0000	0	0.00
			<u>10,000</u>					<u>0.00</u>	<u>0.00</u>
									<u>956 787.00</u>
									<u>0.00</u>
		<b>Total</b>	<b>10,067</b>					<b>0.00</b>	<b>0.00</b>
									<b>1 747 794.00</b>
									<b>11 806 212 560.60</b>
<b>Future</b>									
Jun 2018	DAUS	Future	4,240	13.4826	13.6363	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	13.4877	13.6415	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	55	13.4895	13.6432	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	150	13.4946	13.6484	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	13.5184	13.6727	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	13.5252	13.6797	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	13.5269	13.6814	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	845	13.5303	13.6849	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,427	13.5373	13.6920	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	55	13.5407	13.6956	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.5598	13.7150	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	5,470	13.5633	13.7186	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	600	13.5720	13.7274	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	2,602	13.5912	13.7470	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	197	13.5965	13.7524	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	3,280	13.6406	13.7974	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	13.6476	13.8045	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.6874	13.8452	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.6943	13.8523	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,363	13.6978	13.8558	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	13.6995	13.8576	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Nov 2018	DAUS	Future	70	13.7203	13.8789	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	700	13.7255	13.8842	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	3,117	13.7498	13.9090	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	1,830	13.8035	13.9638	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	13.8069	13.9673	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	13.8555	14.0164	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	13.8572	14.0181	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	13.8797	14.0409	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	4,725	13.9057	14.0672	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	13.9525	14.1146	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	13.9630	14.1253	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	14.0118	14.1751	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	14.0659	14.2303	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	54,000	14.0712	14.2356	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.1181	14.2827	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.1601	14.3237	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.2035	14.3661	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.2442	14.4058	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.2835	14.4442	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.3269	14.4866	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.3689	14.5277	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.4082	14.5661	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.4502	14.6071	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.4923	14.6482	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.5289	14.6839	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.5750	14.7289	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.6884	14.8448	0.0000	0.0000	0	0.00
			<u>183,540</u>					<u>0.00</u>	<u>0.00</u>
									<u>10 286 084.00</u>
									<u>125 148 126 522.80</u>
<b>Option</b>									
Jun 2018	DAUS	12.22 Put	500	0.1785	0.0599	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.44 Put	109	0.6386	0.3341	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.45 Put	635	0.6763	0.3548	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.47 Put	158	0.7583	0.4001	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.52 Call	109	963.6085	1116.8391	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.55 Call	500	933.7956	1086.9440	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.56 Call	635	923.8652	1076.9831	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.62 Call	158	864.3738	1017.2707	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.85 Call	500	638.8612	789.8649	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	355.8704	250.4674	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	0.0595	0.1547	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	0.0143	0.0326	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	0.0035	0.1252	0.0000	0.0000	0	0.00

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Jul 2018	DAUS	12.50 Put	2,000	1.2829	1.1244	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	402.3847	540.8418	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.60 Put	100,000	2.7215	2.3087	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	1.2204	0.9887	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.25 Put	20,000	79.8247	46.9639	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	142.1580	219.1402	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Put	20,000	247.5580	170.7402	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	101.3154	162.3810	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	980.3298	855.0706	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	2.5259	4.8356	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.00 Put	500	85.9811	56.6024	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.50 Call	500	316.3360	406.5837	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	465.2821	376.0907	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	5.6848	10.1153	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	2.2109	3.5763	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	12.4218	7.4336	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	523.2803	431.8338	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	5.0267	10.2768	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	143.5404	107.4140	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	373.7620	456.0635	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	526.7164	443.2164	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	26.1250	37.6115	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	13.7085	21.6880	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	274.8040	221.4264	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	182.3116	144.0770	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	413.6227	492.0509	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	565.6092	486.0470	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	44.7812	60.7359	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	26.6026	39.3500	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	221.9521	182.0148	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	606.3683	529.0437	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	456.3467	531.3100	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	68.2159	86.3639	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	49.8495	63.4176	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	37.6935	30.2269	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	648.5213	568.5663	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	60.4662	75.5776	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	7.3380	6.5551	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	29.1952	23.7972	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	830.3350	936.3004	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	254.2249	212.6867	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	637.4695	561.5635	0.0000	0.0000	0	0.00

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Nov 2018	DAUS	14.08 Call	500	485.3498	557.6885	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	89.0099	106.3216	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	67.5941	81.3980	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.65 Put	20,000	561.3344	491.2233	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	15.69 Call	20,000	182.4254	216.8698	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.20 Put	1,000	351.1700	0.0000	0.0000	0.0000	1,000	0.00		
Dec 2018	DAUS	13.30 Put	1,000	395.0513	0.0000	0.0000	0.0000	1,000	0.00		
Dec 2018	DAUS	14.66 Call	1,000	373.6287	0.0000	0.0000	0.0000	1,000	0.00		
Dec 2018	DAUS	14.75 Call	1,000	353.6041	0.0000	0.0000	0.0000	1,000	0.00		
Dec 2018	DAUS	13.00 Put	500	281.0454	238.4298	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	662.1813	587.2717	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.22 Call	500	513.7358	584.2806	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	109.2827	127.5137	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	85.1116	99.6142	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.00 Put	500	305.4367	261.4871	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.38 Call	500	534.7373	602.6798	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	325.4425	280.5402	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	553.2255	619.5854	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.00 Put	500	344.9057	299.2561	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.67 Call	500	570.6076	635.2987	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	363.8814	317.8350	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	1093.3559	1191.2367	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	587.1417	649.8255	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	381.6347	334.9452	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	602.0818	663.2807	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	397.0710	350.0772	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	613.9137	674.1936	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	419.2692	371.9164	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	633.4654	692.1842	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	437.9596	390.8459	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	644.8276	701.8308	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	455.0522	407.9920	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	660.9206	716.7265	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	473.0239	424.9818	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	671.0389	725.6683	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	488.5554	437.5767	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	683.8632	737.0808	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	503.4922	451.2939	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	696.5363	748.1230	0.0000	0.0000	0	0.00		
			<u>402,331</u>					<u>4,000.00</u>	<u>0.00</u>	<u>19 033 082.00</u>	<u>0.00</u>
	<b>Total</b>		<b>585,871</b>					<b>4,000.00</b>	<b>0.00</b>	<b>29 319 166.00</b>	<b>125 148 126 522.80</b>

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<b>Future</b>											
Sep 2018	EUUS	Future	2,723	1.1710	1.1684	1.1736	1.1736	5,420	63,668,630.00		
			<u>2,723</u>					<u>5,420.00</u>	<u>63,668,630.00</u>	<u>726 146.00</u>	<u>8 231 661 772.00</u>
		<b>Total</b>	<b>2,723</b>					<b>5,420.00</b>	<b>63,668,630.00</b>	<b>726 146.00</b>	<b>8 231 661 772.00</b>
<b>Future</b>											
Sep 2018	ZAAD	Future	12,322	10.1079	10.1715	0.0000	0.0000	4,071	41,183,910.50		
Dec 2018	ZAAD	Future	11,412	10.2279	10.2940	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	10.4881	10.5585	0.0000	0.0000	0	0.00		
			<u>28,663</u>					<u>4,071.00</u>	<u>41,183,910.50</u>	<u>3 683 040.00</u>	<u>31 983 742 240.40</u>
		<b>Total</b>	<b>28,663</b>					<b>4,071.00</b>	<b>41,183,910.50</b>	<b>3 715 417.00</b>	<b>31 983 742 240.40</b>
<b>Future</b>											
Dec 2018	ZACA	Future	500	10.3607	10.5034	0.0000	0.0000	0	0.00		
			<u>500</u>					<u>0.00</u>	<u>0.00</u>	<u>136 153.00</u>	<u>1 339 439 627.10</u>
		<b>Total</b>	<b>500</b>					<b>0.00</b>	<b>0.00</b>	<b>136 153.00</b>	<b>1 339 439 627.10</b>
<b>Future</b>											
Sep 2018	ZAEU	Future	134,883	15.9499	16.0979	15.9577	15.9389	682	10,899,704.70		
Dec 2018	ZAEU	Future	19,006	16.2437	16.3953	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	Future	4,808	16.5732	16.7278	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	16.8878	17.0473	0.0000	0.0000	0	0.00		
			<u>163,953</u>					<u>682.00</u>	<u>10,899,704.70</u>	<u>15 018 116.00</u>	<u>214 448 013 070.90</u>
<b>Option</b>											
Sep 2018	ZAEU	13.50 Put	29,734	9.7064	9.3318	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	86,688	21.6847	20.9917	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	431.1724	372.0992	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	236.4888	285.7098	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	18.2963	24.4517	0.0000	0.0000	0	0.00		
			<u>319,804</u>					<u>0.00</u>	<u>0.00</u>	<u>7 964 516.00</u>	<u>0.00</u>
		<b>Total</b>	<b>483,757</b>					<b>682.00</b>	<b>10,899,704.70</b>	<b>22 982 632.00</b>	<b>214 448 013 070.90</b>
<b>Future</b>											
Sep 2018	ZAFR	Future	1,215	13.8603	13.9962	0.0000	0.0000	0	0.00		
			<u>1,215</u>					<u>0.00</u>	<u>0.00</u>	<u>612 948.00</u>	<u>6 555 963 200.80</u>
		<b>Total</b>	<b>1,215</b>					<b>0.00</b>	<b>0.00</b>	<b>612 948.00</b>	<b>6 555 963 200.80</b>
<b>Future</b>											
Sep 2018	ZAGB	Future	226,524	18.1389	18.3343	18.1099	18.1041	2,492	45,229,620.40		
Dec 2018	ZAGB	Future	7,437	18.4172	18.6175	18.3926	18.3926	500	9,196,300.00		
Mar 2019	ZAGB	Future	4,932	18.7254	18.9298	0.0000	0.0000	0	0.00		

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	Jun 2019	ZAGB	Future	6,543	19.0157	19.2254	0.0000	0.0000	0	0.00		
				<u>245,436</u>					<u>2,992.00</u>	<u>54,425,920.40</u>	<u>11 891 889.00</u>	<u>200 175 828 683.60</u>
			<b>Total</b>	<b>245,436</b>					<b>2,992.00</b>	<b>54,425,920.40</b>	<b>13 666 002.00</b>	<b>200 175 828 683.60</b>
<b>Future</b>												
	Sep 2018	ZAJY	Future	115	0.1247	0.1260	0.0000	0.0000	0	0.00		
				<u>115</u>					<u>0.00</u>	<u>0.00</u>	<u>993 919.00</u>	<u>11 089 418 491.40</u>
			<b>Total</b>	<b>115</b>					<b>0.00</b>	<b>0.00</b>	<b>993 919.00</b>	<b>11 089 418 491.40</b>
<b>Future</b>												
	Sep 2018	ZAKS	Future	562	0.1336	0.1347	0.0000	0.0000	0	0.00		
	Jun 2019	ZAKS	Future	1,093	0.1320	0.1316	0.0000	0.0000	0	0.00		
				<u>1,655</u>					<u>0.00</u>	<u>0.00</u>	<u>35 358.00</u>	<u>476 333 960.00</u>
			<b>Total</b>	<b>1,655</b>					<b>0.00</b>	<b>0.00</b>	<b>35 358.00</b>	<b>476 333 960.00</b>
<b>Future</b>												
	Sep 2018	ZATR	Future	12,775	2.8036	2.8039	0.0000	0.0000	0	0.00		
				<u>12,775</u>					<u>0.00</u>	<u>0.00</u>	<u>289 254.00</u>	<u>1 008 061 782.50</u>
			<b>Total</b>	<b>12,775</b>					<b>0.00</b>	<b>0.00</b>	<b>289 254.00</b>	<b>1 008 061 782.50</b>
<b>Future</b>												
	Sep 2018	ZAUM	Future	336	13.6213	13.7776	0.0000	0.0000	10	13,595,000.00		
	Dec 2018	ZAUM	Future	10	13.7740	13.9338	0.0000	0.0000	0	0.00		
				<u>346</u>					<u>10.00</u>	<u>13,595,000.00</u>	<u>151 854.00</u>	<u>175 152 869 500.00</u>
			<b>Total</b>	<b>346</b>					<b>10.00</b>	<b>13,595,000.00</b>	<b>156 377.00</b>	<b>175 152 869 500.00</b>
<b>Future</b>												
	Sep 2018	ZAUS	Future	590,669	13.6213	13.7776	13.7199	13.5854	11,762	160,740,655.40		
	Dec 2018	ZAUS	Future	74,889	13.7740	13.9338	13.8309	13.7871	3,330	46,036,797.20		
	Mar 2019	ZAUS	Future	5,690	13.9369	14.0988	0.0000	0.0000	0	0.00		
	Jun 2019	ZAUS	Future	14,610	14.0903	14.2552	0.0000	0.0000	0	0.00		
				<u>685,858</u>					<u>15,092.00</u>	<u>206,777,452.60</u>	<u>177 695 347.00</u>	<u>2 102 219 120 570.10</u>
<b>Option</b>												
	Sep 2018	ZAUS	11.48 Put	5,200	8.9845	7.4618	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.50 Put	45,000	9.2605	7.6915	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.60 Put	2,000	10.7764	8.9534	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.75 Put	93,314	13.5459	11.2551	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.85 Put	48,200	15.7929	13.1185	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.90 Put	3,000	17.0578	14.1665	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	12.00 Put	13,300	19.9121	16.5269	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	12.25 Call	500	1400.7463	1551.9663	0.0000	0.0000	0	0.00		

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Sep 2018	ZAUS	12.25 Put	40,000	29.4463	24.3663	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	33.9020	26.3465	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	42.1107	29.8662	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	1178.5001	1318.2513	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	34,000	57.2001	40.6513	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	69.3206	50.1530	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	74.3272	54.1189	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	81.4105	59.7689	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	956.9162	1086.9596	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	933.6929	1062.5129	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	124.3622	94.7847	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	788.3295	906.8749	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	659.7157	766.9862	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	238.4157	189.3862	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	246.4264	196.4240	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	630.0436	734.8795	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	258.7436	207.2795	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	496.4881	589.2088	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	449.7975	537.7796	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	428.4975	360.1796	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	428.7583	513.4914	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	683.9121	593.6787	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	115.2459	148.4242	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	44.7535	61.3081	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	41.9214	57.6235	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	38.2157	52.7817	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	33.3248	46.3501	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	34.1073	27.0389	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	231,517	41.0138	32.8083	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	52.3065	42.3265	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	61.1973	49.8788	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	63.1179	51.5170	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	71.3069	58.5213	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	82.7567	68.3624	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	89.0198	73.7691	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	107.1280	89.4741	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	231,517	1404.1210	1540.0645	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	130.1210	106.2645	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	159.6800	130.1983	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	172.1808	141.1146	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	5,500	190.7796	157.4351	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1041.9533	1159.8604	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Dec 2018	ZAUS	13.00 Put	190,030	267.9533	226.0604	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	304.7404	258.2070	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	919.5361	1026.9065	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	354.0534	300.4189	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	891.0429	995.4067	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	3,300	367.0429	311.6067	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	460.3292	397.4363	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	231,517	759.4326	854.5086	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	485.4326	420.7086	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	592.7010	520.8371	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	632.7746	717.7505	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	638.7746	563.9505	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	644.6940	569.4591	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	624.6350	708.7939	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	566.7182	644.8990	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	11,000	548.6070	625.0310	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	504.1825	576.1708	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	442.8576	508.4265	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	412.4732	474.7323	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	372.7321	429.8652	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	370.3962	427.2140	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	368.0729	424.5840	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	350.0587	404.2648	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	339.2993	392.1523	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	320.8528	371.3520	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	21,600	290.7925	337.3607	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	289.0224	335.3562	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	275.3020	319.8052	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	265.5055	308.6824	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	214.4748	253.3278	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	1,000	211.7447	250.1971	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	186.4159	221.1087	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	10,000	154.4744	184.2153	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	7.4416	7.2457	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	53.2302	40.5526	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	95.7228	75.8676	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	1013.8917	1112.2175	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	531.9108	468.0135	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	684.6150	611.6831	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	602.3644	671.0016	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	475.7662	532.2824	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	376.3833	424.2940	0.0000	0.0000	0	0.00



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Jun 2019	ZAUS	10.69 Put	1,000	12.4262	12.9507	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.28 Put	1,000	158.2222	127.6867	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.75 Put	1,000	305.4804	258.8884	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.98 Put	911	382.1634	335.3060	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.24 Put	30,000	481.8114	427.9629	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.83 Put	25,000	772.7633	697.9657	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.88 Put	12,450	801.0559	724.9218	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.58 Call	1,000	750.6488	822.8931	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.82 Call	30,000	678.5147	745.2670	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.55 Call	25,000	505.2020	557.7765	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.62 Call	12,450	490.8971	542.9978	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.80 Call	1,000	456.2124	506.1014	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.92 Call	911	434.6758	482.6132	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	10.75 Put	1,000	24.6556	23.5417	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	12.50 Put	1,000	266.2839	222.1937	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	15.87 Call	1,000	597.8006	651.3750	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	245.8061	275.3722	0.0000	0.0000	0	0.00	
			<u>2,552,637</u>					<i>0.00</i>	<i>0.00</i>	<i>50 643 988.00</i>
										<i>0.00</i>
		<b>Total</b>	<b>3,238,495</b>					<b>15,092.00</b>	<b>206,777,452.60</b>	<b>228 339 335.00</b>
										<b>2 102 219 120 570.10</b>
<b>Grand Total</b>			<b>4,611,618</b>					<b>32,267.00</b>	<b>390 550 618.20</b>	<b>312,085,091</b>
										<b>2,935,599,608,909.82</b>