



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 17-April-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
Apr 2019	DAEU	Future	1	15.8198	15.9388	0.0000	0.0000	0	0.00
May 2019	DAEU	Future	2	15.9317	16.0512	0.0000	0.0000	0	0.00
			<u>3</u>					<u>0.00</u>	<u>0.00</u>
									<u>816 224.00</u>
									<u>12 206 024 302.80</u>
<b>Option</b>									
Feb 2020	DAEU	16.65 Call	21,000	915.2715	987.5693	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	810.9877	876.2109	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	777.9596	840.9559	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	753.2517	814.5398	0.0000	0.0000	0	0.00
			<u>66,000</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>66,003</b>					<b>0.00</b>	<b>0.00</b>
									<u>2 628 611.00</u>
									<u>12 206 024 302.80</u>
<b>Future</b>									
Apr 2019	DAGB	Future	120	18.2465	18.4058	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	18.2559	18.4151	0.0000	0.0000	0	0.00
May 2019	DAGB	Future	91	18.3537	18.5139	0.0000	0.0000	0	0.00
Jun 2019	DAGB	Future	49	18.4404	18.6015	0.0000	0.0000	0	0.00
			<u>287</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>287</b>					<b>0.00</b>	<b>0.00</b>
									<u>67 296.00</u>
									<u>1 129 513 525.50</u>
<b>Future</b>									
Apr 2019	DAUS	Future	349	13.9828	14.0929	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	15	13.9877	14.0979	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	4,000	13.9894	14.0995	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	50,000	14.0007	14.1110	0.0000	0.0000	50,000	700,400,000.00
May 2019	DAUS	Future	25,000	14.0039	14.1142	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	93	14.0104	14.1208	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	2	14.0136	14.1240	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	387	14.0367	14.1473	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	91	14.0401	14.1506	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	74	14.0467	14.1573	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>		
Jun 2019	DAUS	Future	2,381	14.0865	14.1974	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.0915	14.2024	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	982	14.1416	14.2533	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.1433	14.2550	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	2,216	14.1920	14.3048	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.1970	14.3100	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.2004	14.3134	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	3,757	14.2154	14.3289	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	98	14.2442	14.3577	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.2476	14.3611	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	153	14.2971	14.4112	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	Future	97	14.3469	14.4622	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.3521	14.4674	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.3556	14.4709	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	45	14.4020	14.5175	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.4054	14.5209	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.4557	14.5719	0.0000	0.0000	0	0.00		
Feb 2020	DAUS	Future	3,500	14.5047	14.6225	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.5100	14.6278	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.5644	14.6814	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6128	14.7288	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.6750	14.7913	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.7784	14.8951	0.0000	0.0000	0	0.00		
			<u>179,240</u>					<u>50,000.00</u>	<u>700,400,000.00</u>	<u>12 148 823.00</u>	<u>151 548 683 726.40</u>

**Option**

Apr 2019	DAUS	14.20 Call	25,000	24.5656	49.2430	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.50 Call	50,000	5.1930	9.6934	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.55 Call	25,000	4.0939	7.4228	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	0.7114	0.4659	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	511.2191	616.7287	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.95 Put	734	108.7491	73.8010	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Call	734	56.6181	92.3091	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	267.2181	192.8091	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	306.9315	226.9959	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.45 Call	734	20.2663	34.3293	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	4.3050	6.5184	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	0.3893	0.6405	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	0.1299	0.2020	0.0000	0.0000	0	0.00
May 2019	DAUS	13.75 Put	22,000	72.2270	51.3151	0.0000	0.0000	0	0.00
May 2019	DAUS	13.95 Call	20,000	196.9258	272.1476	0.0000	0.0000	0	0.00
May 2019	DAUS	14.03 Call	65,000	158.3156	225.4458	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	354.5837	443.9498	0.0000	0.0000	0	0.00

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May 2019	DAUS	14.20 Call	50,000	113.5929	163.7500	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	157.3400	205.8861	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	22.4120	32.9380	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	13.3438	20.6096	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	15.9050	13.1980	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	378.0572	319.7002	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	411.6292	350.3070	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	59.6874	77.9781	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	14.8957	21.2362	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	7.0960	10.4584	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	197.2653	163.5483	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	310.2577	262.9846	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	364.2504	309.4590	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	28.7444	22.0083	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	323.0733	280.5975	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	427.1237	373.2022	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	459.0359	402.6987	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	97.8443	120.2809	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	80.8943	99.9324	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	35.0028	45.9243	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	21.1519	28.6740	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	50.6433	44.7591	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	472.1749	424.4084	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	502.8946	451.9431	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	140.1565	166.2304	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	65.8706	80.0208	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	47.3500	57.8138	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	668.3317	609.1685	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	69.3083	82.5513	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	73.9408	66.8850	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	508.1374	462.5435	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	538.0831	489.7288	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	172.9386	199.4666	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	91.8017	107.2960	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	69.8103	81.6756	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	16.4722	21.1593	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	96.1561	88.3553	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	537.9489	493.6290	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	566.5551	520.4987	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	204.4913	231.8285	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	117.5212	134.0187	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	91.8814	104.6212	0.0000	0.0000	0	0.00

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Oct 2019	DAUS	13.00 Put	500	118.2392	109.2905	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	566.3123	522.7626	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	594.5591	549.4164	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	231.0050	259.1909	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	141.1668	158.3493	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	113.7699	127.3789	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	137.7439	127.0754	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	590.9946	546.1661	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	619.0202	572.6726	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	257.7650	285.3427	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	164.2909	181.5368	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	136.5242	149.0252	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	156.5421	145.6695	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	611.9196	567.4924	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	639.6765	593.7978	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	281.6530	308.7810	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.05 Call	250	186.9452	204.7041	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.44 Call	250	159.9522	172.1438	0.0000	0.0000	0	0.00
			<u>619,496</u>					0.00	0.00
			<u>798,736</u>					<u>50,000.00</u>	<u>700,400,000.00</u>
									<u>36 874 817.00</u>
									<u>151 548 683 726.40</u>
<b>Future</b>									
Jun 2019	EUUS	Future	5	1.1361	1.1356	0.0000	0.0000	0	0.00
Sep 2019	EUUS	Future	143	1.1450	1.1446	0.0000	0.0000	0	0.00
			<u>148</u>					0.00	0.00
			<u>148</u>					<u>0.00</u>	<u>0.00</u>
									<u>746 137.00</u>
									<u>8 464 558 774.00</u>
<b>Future</b>									
Jun 2019	GBUS	Future	702	1.3081	1.3093	0.0000	0.0000	0	0.00
			<u>702</u>					0.00	0.00
			<u>702</u>					<u>0.00</u>	<u>0.00</u>
									<u>176 872.00</u>
									<u>2 277 876 069.00</u>
<b>Future</b>									
Jun 2019	ZAAD	Future	26,772	10.1108	10.1816	0.0000	0.0000	0	0.00
Sep 2019	ZAAD	Future	1,731	10.2439	10.3164	0.0000	0.0000	0	0.00
Dec 2019	ZAAD	Future	400	10.3738	10.4468	0.0000	0.0000	0	0.00
			<u>28,903</u>					0.00	0.00
			<u>28,903</u>					<u>0.00</u>	<u>0.00</u>
									<u>3 887 865.00</u>
									<u>34 120 642 340.40</u>
<b>Option</b>									
Dec 2019	ZAAD	11.00 Call	1,000	192.5753	217.4423	0.0000	0.0000	0	0.00
			<u>1,000</u>					0.00	0.00
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>
									<u>34 377.00</u>
			<u>29,903</u>					<u>0.00</u>	<u>0.00</u>
									<u>3 922 242.00</u>
									<u>34 120 642 340.40</u>

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<b>Future</b>										
Jun 2019	ZACA	Future	2,200	10.5693	10.6275	0.0000	0.0000	0	0.00	
Sep 2019	ZACA	Future	1,165	10.7108	10.7711	0.0000	0.0000	0	0.00	
			<u>3,365</u>					<u>0.00</u>	<u>0.00</u>	<u>158 248.00</u>
		<b>Total</b>	<b>3,365</b>					<b>0.00</b>	<b>0.00</b>	<b>158 248.00</b>
<b>Future</b>										
Jun 2019	ZADK	Future	1,485	2.1411	2.1581	0.0000	0.0000	0	0.00	
			<u>1,485</u>					<u>0.00</u>	<u>0.00</u>	<u>16 060.00</u>
		<b>Total</b>	<b>1,485</b>					<b>0.00</b>	<b>0.00</b>	<b>16 060.00</b>
<b>Future</b>										
Jun 2019	ZAEU	Future	121,278	15.9768	16.0965	15.9950	15.9488	45	718,882.00	
Sep 2019	ZAEU	Future	41,870	16.2831	16.4070	0.0000	0.0000	1,012	16,476,372.00	
Dec 2019	ZAEU	Future	32,686	16.5749	16.7025	0.0000	0.0000	0	0.00	
Mar 2020	ZAEU	Future	4,361	16.8984	17.0286	0.0000	0.0000	0	0.00	
			<u>200,195</u>					<u>1,057.00</u>	<u>17,195,254.00</u>	<u>16 716 533.00</u>
										<u>242 569 988 832.10</u>
<b>Option</b>										
Jun 2019	ZAEU	15.35 Put	570	90.3631	73.5056	0.0000	0.0000	0	0.00	
Jun 2019	ZAEU	16.64 Call	300	141.3888	174.9139	0.0000	0.0000	0	0.00	
Jun 2019	ZAEU	16.73 Put	500	878.8785	789.3340	0.0000	0.0000	0	0.00	
Sep 2019	ZAEU	15.62 Put	14,429	257.3189	227.2290	0.0000	0.0000	0	0.00	
Sep 2019	ZAEU	15.85 Put	587	350.2299	311.9964	0.0000	0.0000	0	0.00	
Sep 2019	ZAEU	18.27 Call	14,429	138.2850	158.0222	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	13.73 Put	17,150	33.7386	31.2455	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	14.09 Put	136,646	51.2720	48.0865	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	14.23 Put	61,500	60.0614	56.5581	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	15.70 Put	136,646	328.2637	299.8210	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	15.85 Put	61,500	386.0279	350.0153	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	16.15 Put	17,150	522.1514	477.0245	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	19.79 Call	136,646	152.4333	167.0347	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	19.80 Call	61,500	151.7669	166.2934	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	120.5636	128.3963	0.0000	0.0000	0	0.00	
			<u>676,703</u>					<u>0.00</u>	<u>0.00</u>	<u>12 048 500.00</u>
		<b>Total</b>	<b>876,898</b>					<b>1,057.00</b>	<b>17,195,254.00</b>	<b>28 765 033.00</b>
										<b>242 569 988 832.10</b>
<b>Future</b>										
Jun 2019	ZAFR	Future	1,093	14.0170	14.1607	0.0000	0.0000	0	0.00	
Sep 2019	ZAFR	Future	300	14.2994	14.4478	0.0000	0.0000	0	0.00	
			<u>1,393</u>					<u>0.00</u>	<u>0.00</u>	<u>633 002.00</u>
										<u>6 847 394 595.90</u>

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<b>Total</b>			<b>1,393</b>					<b>0.00</b>	<b>0.00</b>	633 002.00	6 847 394 595.90
<b>Future</b>											
Jun 2019	ZAGB	Future	118,564	18.3969	18.5576	18.4091	18.3600	45	827,499.30		
Sep 2019	ZAGB	Future	23,418	18.6878	18.8533	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	Future	12,845	18.9611	19.1297	0.0000	0.0000	0	0.00		
Mar 2020	ZAGB	Future	4,674	19.2577	19.4322	0.0000	0.0000	0	0.00		
			<u>159,501</u>					<u>45.00</u>	<u>827,499.30</u>	<u>14 718 721.00</u>	<u>253 181 226 891.70</u>
<b>Option</b>											
Jun 2019	ZAGB	18.00 Call	1,000	609.7021	732.5471	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	19.15 Put	500	945.2061	855.6638	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	18.75 Put	500	754.1277	689.5513	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	22.13 Call	500	180.2379	203.5430	0.0000	0.0000	0	0.00		
			<u>2,500</u>					<u>0.00</u>	<u>0.00</u>	<u>1 790 813.00</u>	<u>0.00</u>
<b>Total</b>			<b>162,001</b>					<b>45.00</b>	<b>827,499.30</b>	16 509 534.00	253 181 226 891.70
<b>Future</b>											
Jun 2019	ZAKS	Future	2,166	0.1375	0.1391	0.0000	0.0000	0	0.00		
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>	<u>515 662 000.00</u>
<b>Total</b>			<b>2,166</b>					<b>0.00</b>	<b>0.00</b>	38 066.00	515 662 000.00
<b>Future</b>											
Sep 2019	ZANZ	Future	646	9.5862	9.7201	0.0000	0.0000	0	0.00		
			<u>646</u>					<u>0.00</u>	<u>0.00</u>	<u>147 042.00</u>	<u>1 130 048 204.60</u>
<b>Total</b>			<b>646</b>					<b>0.00</b>	<b>0.00</b>	167 042.00	1 130 048 204.60
<b>Future</b>											
Jun 2019	ZATR	Future	3,646	2.3690	2.3513	0.0000	0.0000	0	0.00		
			<u>3,646</u>					<u>0.00</u>	<u>0.00</u>	<u>556 277.00</u>	<u>1 668 453 313.10</u>
<b>Total</b>			<b>3,646</b>					<b>0.00</b>	<b>0.00</b>	556 277.00	1 668 453 313.10
<b>Future</b>											
Jun 2019	ZAUM	Future	454	14.0633	14.1740	0.0000	0.0000	0	0.00		
			<u>454</u>					<u>0.00</u>	<u>0.00</u>	<u>156 788.00</u>	<u>182 284 460 340.00</u>
<b>Total</b>			<b>454</b>					<b>0.00</b>	<b>0.00</b>	161 311.00	182 284 460 340.00
<b>Future</b>											
Jun 2019	ZAUS	Future	875,323	14.0633	14.1740	14.0943	14.0227	22,912	322,393,751.90		
Sep 2019	ZAUS	Future	27,613	14.2205	14.3340	14.2000	14.2000	125	1,775,000.00		
Dec 2019	ZAUS	Future	22,753	14.3711	14.4867	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	10,345	14.5345	14.6525	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Jun 2020	ZAUS	Future	700	14.6933	14.8097	0.0000	0.0000	0	0.00
			<u>936,734</u>					<u>23,037.00</u>	<u>324,168,751.90</u>
									<u>202 781 442.00</u>
									<u>2 463 230 277 175.80</u>
Option									
Jun 2019	ZAUS	10.69 Put	1,000	0.0723	0.0843	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	3.0121	2.7156	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	7.8696	6.4606	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	10.8809	8.1756	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.92 Put	2,100	18.4107	14.4134	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	21.9953	17.4398	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	23.3185	18.5631	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.10 Put	14,000	31.0193	25.1533	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.22 Put	122,704	43.0497	35.5749	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	45.3962	37.6203	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	46.6092	38.6785	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.28 Put	122,704	50.4126	42.0029	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.30 Put	143,800	53.0897	44.3477	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.35 Put	4,317	60.3027	50.6835	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	7,500	657.0686	749.8547	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	585.3799	673.7294	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Put	700	122.0799	99.7294	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	206.8483	172.8055	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	401.5104	474.3318	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.91 Put	1,000	242.9032	204.4693	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	360.5070	428.8640	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	15,000	350.7745	418.0085	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	301,700	287.4745	244.0085	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.06 Put	2,100	319.7507	272.6566	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	325.5173	277.6079	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	404.8757	347.7687	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,982	437.4579	377.7180	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.30 Put	30,000	471.1122	408.8081	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	219.0861	264.9986	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	199.2459	241.8212	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	160.3054	195.8995	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	716.4780	639.3816	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	732.4656	654.5979	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.66 Call	122,704	143.8007	176.2538	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.72 Call	122,704	132.5701	162.8173	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	2,000	127.2971	156.4901	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	115.5153	142.6793	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	90.0732	112.2299	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	78.5230	98.1222	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>
Jun 2019	ZAUS	15.30 Call	14,000	59.8613	75.1527	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	58.2751	73.1877	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	45.0082	57.7816	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	39.2462	52.0867	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	37.9156	50.7588	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	35.3802	47.4996	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	34.1715	45.9402	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	30.2390	40.8402	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	26.7313	36.2642	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	22.7805	31.0756	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	21.5906	29.5047	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	18.6980	25.6688	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	15.8834	21.9117	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	2.4934	2.9163	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	2.8850	3.1310	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	36.9611	36.5746	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	65.8270	61.6439	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	89.6578	81.7895	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	114.9239	104.5647	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	137.5217	124.9657	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	831.7315	919.6012	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	281.0069	253.7560	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.75 Put	1,000	301.6348	272.7304	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	310.1233	280.5532	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.80 Put	14,000	323.1083	292.5309	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.90 Put	5,908	368.5872	334.5897	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.92 Put	2,149	378.0825	343.3954	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	402.3956	365.9737	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	417.3787	379.9063	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.04 Call	1,000	618.3066	692.9326	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	480.1965	438.5057	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	530.4337	485.4083	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.25 Call	500	524.6543	591.0470	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	584.4669	534.7659	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	621.7988	569.1646	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.46 Put	17,287	686.2367	630.1508	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	14,000	433.2612	489.3177	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Put	14,000	712.7612	655.3177	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	815.8099	753.4470	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.70 Put	1,000	851.3518	787.4130	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.75 Call	1,000	357.9619	405.9756	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.82 Put	1,000	938.9281	871.3294	0.0000	0.0000	0	0.00



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Sep 2019	ZAUS	14.85 Put	3,000	961.2959	892.8140	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	296.3557	337.0942	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	289.7880	329.6957	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	263.1260	299.7395	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1383.5270	1301.6430	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	204.0511	233.0090	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1536.4216	1450.9149	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	157.1037	180.4813	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.66 Call	2,149	90.1836	103.7946	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.67 Call	14,000	89.5813	103.1000	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	67.3369	76.8097	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	65.2672	73.9447	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	63.6133	71.9096	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	52.1172	58.9484	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	47.4167	53.6439	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	45.7998	51.8187	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	36.8950	41.7628	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	27.1027	23.5248	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	122.6698	114.5408	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	146.8313	136.4642	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.03 Put	69,000	153.4153	141.9445	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	341.8723	315.4736	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	401.7669	368.6384	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	467.0091	429.7470	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	34,000	496.5743	457.5237	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	532.2530	491.1142	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	537.4552	496.0121	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	547.9316	505.8935	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.11 Put	24,055	553.2103	510.8725	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.12 Put	69,000	558.5098	515.8768	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	723.2940	671.7296	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	318.4139	349.1952	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	266.3809	293.5426	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.20 Call	50,100	256.6501	282.8060	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.25 Call	21,000	249.9520	275.4107	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.35 Call	4,150	237.1667	261.2792	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.37 Call	500	234.7054	258.5540	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.55 Call	24,055	213.8523	235.4712	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	183.8486	202.1865	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.99 Call	69,000	171.6207	188.6002	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.02 Call	139,860	169.1325	185.8318	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	145.5476	156.2317	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	20.00 Call	2,000	46.3281	52.3806	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	32.1585	28.0576	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	12.96 Put	277,778	188.2710	172.1350	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.06 Put	275,862	213.9968	196.2719	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.19 Put	272,897	249.2499	230.8329	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.78 Put	60,000	451.5688	420.3034	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	558.8764	517.9961	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.40 Put	277,778	768.9842	717.6881	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.51 Put	275,862	833.9583	779.7851	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.66 Put	272,897	926.1917	868.3081	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.60 Call	277,778	343.2565	368.9268	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.81 Call	275,862	315.1924	338.5147	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.04 Call	272,897	287.7121	308.6940	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	230.7333	241.3789	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.88 Call	60,000	223.4862	233.3271	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	11.90 Put	900	52.2909	49.7502	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	14.25 Put	900	726.5742	681.0405	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	17.26 Call	900	385.3452	409.0256	0.0000	0.0000	0	0.00		
			<u>5,858,642</u>					<i>0.00</i>	<i>0.00</i>	<i>71 813 316.00</i>	<i>0.00</i>
	<b>Total</b>		<b>6,795,376</b>					<b>23,037.00</b>	<b>324,168,751.90</b>	<b>274 594 758.00</b>	<b>2 463 230 277 175.80</b>
<b>Grand Total</b>			<b>8,743,209</b>					<b>74,139.00</b>	<b>1 042 591 505.20</b>	<b>375,611,739</b>	<b>3,417,045,272,567.22</b>