



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 01-March-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Mar 2018	DAAD	Future	4	9.2295	9.1892	0.0000	0.0000	0	0.00		
Mar 2018	DAAD	Future	46	9.2486	9.2083	0.0000	0.0000	0	0.00		
			<u>50</u>					<u>0.00</u>	<u>0.00</u>	<u>77 166.00</u>	<u>731 212 213.80</u>
	<b>Total</b>		<b>50</b>					<b>0.00</b>	<b>0.00</b>	<b>146 166.00</b>	<b>731 212 213.80</b>
<b>Future</b>											
Mar 2018	DAEU	Future	63	14.5353	14.4007	0.0000	0.0000	0	0.00		
Mar 2018	DAEU	Future	3	14.5814	14.4470	0.0000	0.0000	0	0.00		
Apr 2018	DAEU	Future	107	14.6271	14.4896	0.0000	0.0000	0	0.00		
Apr 2018	DAEU	Future	16	14.6855	14.5475	0.0000	0.0000	0	0.00		
			<u>189</u>					<u>0.00</u>	<u>0.00</u>	<u>790 445.00</u>	<u>11 797 900 287.40</u>
	<b>Total</b>		<b>189</b>					<b>0.00</b>	<b>0.00</b>	<b>1 737 232.00</b>	<b>11 797 900 287.40</b>
<b>Future</b>											
Mar 2018	DAGB	Future	0	16.3749	16.2436	0.0000	0.0000	17	278,373.30		
Mar 2018	DAGB	Future	38	16.4048	16.2792	0.0000	0.0000	0	0.00		
Apr 2018	DAGB	Future	9	16.5517	16.4230	0.0000	0.0000	0	0.00		
			<u>47</u>					<u>17.00</u>	<u>278,373.30</u>	<u>53 672.00</u>	<u>880 560 386.40</u>
	<b>Total</b>		<b>47</b>					<b>17.00</b>	<b>278,373.30</b>	<b>260 985.00</b>	<b>880 560 386.40</b>
<b>Future</b>											
Mar 2018	DAUS	Future	6,178	11.9327	11.7843	0.0000	0.0000	0	0.00		
Mar 2018	DAUS	Future	30,000	11.9451	11.7965	0.0000	0.0000	0	0.00		
Mar 2018	DAUS	Future	1,199	11.9576	11.8087	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	0	11.9717	11.8223	0.0000	0.0000	35,000	419,072,500.00		
Apr 2018	DAUS	Future	54	11.9883	11.8386	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	70	12.0015	11.8517	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	506	12.0114	11.8614	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	70	12.0295	11.8791	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	181	12.0617	11.9112	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 2018	DAUS	Future	445	12.1076	11.9564	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	100	12.1124	11.9611	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,800	12.1408	11.9890	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	500	12.1471	11.9952	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	70	12.1487	11.9968	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,853	12.1581	12.0061	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	12.1787	12.0263	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	1,766	12.2071	12.0542	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	1,295	12.2509	12.0974	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	12.2931	12.1390	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	12.2993	12.1452	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	430	12.3025	12.1483	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	12.3228	12.1683	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	12.4628	12.3070	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	13.3258	13.1597	0.0000	0.0000	0	0.00		
			<u>131,022</u>					<u>35,000.00</u>	<u>419,072,500.00</u>	<u>7 883 651.00</u>	<u>95 832 262 650.00</u>

**Option**

Mar 2018	DAUS	13.40 Put	100,000	1480.0002	1636.9085	0.0000	0.0000	0	0.00
Mar 2018	DAUS	11.80 Call	20,000	173.9138	87.9076	0.0000	0.0000	0	0.00
Mar 2018	DAUS	12.00 Call	20,000	135.8238	85.4111	0.0000	0.0000	0	0.00
Mar 2018	DAUS	11.66 Call	50,000	355.0906	255.2811	0.0000	0.0000	0	0.00
Mar 2018	DAUS	11.76 Put	546	94.5127	156.2412	0.0000	0.0000	0	0.00
Mar 2018	DAUS	11.87 Call	546	227.9156	156.3351	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.00 Call	4,000	9.2585	6.1186	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.61 Call	120,000	426.1797	319.8779	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.00 Put	1,000	2998.6559	3148.4261	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.81 Call	2,000	1.1478	0.7018	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.70 Put	400	129.7486	183.0194	0.0000	0.0000	0	0.00
Apr 2018	DAUS	12.10 Call	400	235.7452	177.7185	0.0000	0.0000	0	0.00
Apr 2018	DAUS	13.80 Put	1,000	1799.0729	1945.3739	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.23 Call	500	2.1217	1.9966	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.66 Call	500	1.7943	1.1473	0.0000	0.0000	0	0.00
May 2018	DAUS	11.50 Put	2,000	73.1236	109.8297	0.0000	0.0000	0	0.00
May 2018	DAUS	11.80 Call	2,000	386.5648	298.6082	0.0000	0.0000	0	0.00
May 2018	DAUS	12.50 Call	2,000	127.7531	95.0299	0.0000	0.0000	0	0.00
May 2018	DAUS	12.74 Put	1,880	814.0551	938.8999	0.0000	0.0000	0	0.00
May 2018	DAUS	13.86 Put	1,880	1847.3663	1993.2318	0.0000	0.0000	0	0.00
May 2018	DAUS	15.63 Call	1,880	2.5517	1.7006	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Put	11,000	824.2683	947.7388	0.0000	0.0000	0	0.00
May 2018	DAUS	14.50 Put	11,000	2471.0574	2620.0498	0.0000	0.0000	0	0.00
May 2018	DAUS	15.76 Call	11,000	2.0437	1.5415	0.0000	0.0000	0	0.00
May 2018	DAUS	10.90 Put	1,000	9.1093	18.8042	0.0000	0.0000	0	0.00

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May 2018	DAUS	11.70 Put	1,000	150.2188	203.6787	0.0000	0.0000	0	0.00
May 2018	DAUS	12.20 Call	1,000	243.2059	188.0455	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Put	51,000	291.5043	370.1839	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1774.9540	1915.4583	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	3.4457	2.7490	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	1.5293	1.1285	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1757.9229	1894.9585	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	5.1958	3.7361	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	2.2491	1.5916	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	381.9638	460.2637	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	89.6145	71.1516	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	78.2087	61.9743	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.19 Put	0	2106.3193	2246.0565	0.0000	0.0000	1,500	0.00
Jul 2018	DAUS	14.45 Put	1,500	2352.8209	2494.3282	0.0000	0.0000	1,500	0.00
Jul 2018	DAUS	15.72 Call	0	9.3246	6.3682	0.0000	0.0000	1,500	0.00
Jul 2018	DAUS	15.94 Call	1,500	6.7420	4.5352	0.0000	0.0000	1,500	0.00
Jul 2018	DAUS	13.80 Put	1,000	1741.5052	1875.0589	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	12.4703	9.2022	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	6.3324	4.5615	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	555.1767	644.4073	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1792.5856	1926.4498	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	10.4866	7.9349	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	1728.2979	1858.6855	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	22.6303	18.0684	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	12.7162	10.0095	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	1719.6959	1846.8782	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	30.9448	25.0853	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	18.0600	14.4418	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	1710.7514	1834.3918	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	39.3556	31.7562	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	24.2750	19.2979	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	378.3891	441.3678	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	1760.3396	1884.6075	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	31.0244	24.8609	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	76.5059	92.7781	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	286.7031	337.5465	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	340.8510	296.9106	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	1704.1135	1823.8458	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	45.1286	36.5830	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	27.4922	21.9358	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	1577.8692	1693.2267	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	95.2084	84.4746	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	13.80 Put	1,000	1697.3453	1814.8864	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	16.93 Call	500	49.3285	41.5759	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	17.58 Call	500	30.0391	25.0481	0.0000	0.0000	0	0.00	
			<u>646,812</u>					<u>6,000.00</u>	<u>0.00</u>	<u>17 401 511.00</u>
		<b>Total</b>	<b>777,834</b>					<b>41,000.00</b>	<b>419,072,500.00</b>	<b>25 285 162.00</b>
										<b>95 832 262 650.00</b>
<b>Future</b>										
Mar 2018	EUUS	Future	190	1.2184	1.2223	0.0000	0.0000	0	0.00	
Jun 2018	EUUS	Future	50	1.2271	1.2310	0.0000	0.0000	0	0.00	
			<u>240</u>					<u>0.00</u>	<u>0.00</u>	<u>703 198.00</u>
		<b>Total</b>	<b>240</b>					<b>0.00</b>	<b>0.00</b>	<b>703 198.00</b>
										<b>7 962 036 812.00</b>
<b>Option</b>										
Mar 2018	JYZA	9.07 Call	11,700	660.4411	1240.4237	0.0000	0.0000	0	0.00	
Jun 2018	JYZA	8.89 Put	1,200	3685.8236	3034.4984	0.0000	0.0000	0	0.00	
			<u>12,900</u>					<u>0.00</u>	<u>0.00</u>	<u>23 400.00</u>
		<b>Total</b>	<b>12,900</b>					<b>0.00</b>	<b>0.00</b>	<b>23 400.00</b>
										<b>0.00</b>
<b>Future</b>										
Mar 2018	ZAAD	Future	6,832	9.2350	9.1946	9.2195	9.1918	500	4,602,825.00	
Jun 2018	ZAAD	Future	5,486	9.3545	9.3130	9.3250	9.3089	500	4,658,475.00	
Sep 2018	ZAAD	Future	400	9.4718	9.4299	0.0000	0.0000	0	0.00	
Dec 2018	ZAAD	Future	10,812	9.5857	9.5434	0.0000	0.0000	0	0.00	
			<u>23,530</u>					<u>1,000.00</u>	<u>9,261,300.00</u>	<u>3 549 542.00</u>
		<b>Total</b>	<b>23,530</b>					<b>1,000.00</b>	<b>9,261,300.00</b>	<b>3 581 919.00</b>
										<b>30 692 115 906.20</b>
<b>Future</b>										
Mar 2018	ZACA	Future	700	9.2930	9.2161	0.0000	0.0000	0	0.00	
Jun 2018	ZACA	Future	430	9.4279	9.3482	0.0000	0.0000	0	0.00	
			<u>1,130</u>					<u>0.00</u>	<u>0.00</u>	<u>128 133.00</u>
		<b>Total</b>	<b>1,130</b>					<b>0.00</b>	<b>0.00</b>	<b>128 133.00</b>
										<b>1 260 432 927.10</b>
<b>Future</b>										
Mar 2018	ZAEU	Future	119,461	14.5476	14.4129	14.5735	14.4963	4,718	68,619,960.60	
Jun 2018	ZAEU	Future	28,597	14.8364	14.6972	14.8415	14.7950	4,525	66,829,645.00	
Sep 2018	ZAEU	Future	45,432	15.1200	14.9792	15.0812	15.0812	250	3,770,300.00	
Dec 2018	ZAEU	Future	2,971	15.4011	15.2593	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	Future	1,091	15.6980	15.5542	0.0000	0.0000	0	0.00	
Jun 2019	ZAEU	Future	3,542	15.9400	15.7987	0.0000	0.0000	0	0.00	
			<u>201,094</u>					<u>9,493.00</u>	<u>139,219,905.60</u>	<u>13 936 896.00</u>
										<b>198 059 683 374.00</b>
<b>Option</b>										

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Mar 2018	ZAEU	14.45 Put	10,000	123.5743	186.0106	0.0000	0.0000	0	0.00
Mar 2018	ZAEU	14.62 Put	10,000	207.1050	294.6479	0.0000	0.0000	0	0.00
Mar 2018	ZAEU	15.05 Put	5,648	534.4287	654.6602	0.0000	0.0000	0	0.00
Mar 2018	ZAEU	15.10 Put	14,172	579.0031	701.3682	0.0000	0.0000	0	0.00
Mar 2018	ZAEU	16.50 Call	643	0.8007	0.6874	0.0000	0.0000	0	0.00
Mar 2018	ZAEU	17.00 Call	620	0.2585	0.2507	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	13.50 Put	29,734	31.0644	42.5789	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	13.75 Put	50,995	57.4980	74.5544	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	13.97 Put	6,460	93.0918	116.9159	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	14.25 Put	29,734	164.6684	205.8054	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	15.25 Put	50,995	692.7866	787.5054	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	15.63 Call	29,734	189.3764	157.0765	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	16.44 Put	6,460	1683.6532	1807.8013	0.0000	0.0000	810	0.00
Jun 2018	ZAEU	18.61 Call	6,460	13.8705	13.5137	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	20.55 Call	50,995	2.8457	2.1586	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	13.50 Put	29,734	59.5488	63.9645	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	14.25 Put	86,824	208.2704	243.9984	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	15.85 Put	86,824	1088.5887	1185.3303	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	16.76 Call	29,734	190.0172	163.2506	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	19.56 Call	86,824	31.3047	32.9049	0.0000	0.0000	0	0.00
			<u>622,590</u>					<i>810.00</i>	<i>0.00</i>
									<i>7 891 269.00</i>
									<i>0.00</i>
		<b>Total</b>	<b>823,684</b>					<b>10,303.00</b>	<b>139,219,905.60</b>
									<b>21 828 165.00</b>
									<b>198 059 683 374.00</b>
<b>Future</b>									
Mar 2018	ZAFR	Future	1,215	12.6230	12.5065	0.0000	0.0000	0	0.00
			<u>1,215</u>					<i>0.00</i>	<i>0.00</i>
									<i>605 550.00</i>
		<b>Total</b>	<b>1,215</b>					<b>0.00</b>	<b>0.00</b>
									<i>6 459 053 543.50</i>
									<i>6 459 053 543.50</i>
<b>Future</b>									
Mar 2018	ZAGB	Future	192,942	16.4168	16.2911	16.4339	16.3361	4,455	73,062,675.00
Jun 2018	ZAGB	Future	14,467	16.6940	16.5646	16.7444	16.6338	1,530	25,506,195.00
Sep 2018	ZAGB	Future	13,662	16.9584	16.8269	0.0000	0.0000	0	0.00
Dec 2018	ZAGB	Future	898	17.2163	17.0845	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	Future	951	17.4912	17.3587	0.0000	0.0000	0	0.00
Jun 2019	ZAGB	Future	3,115	17.7524	17.6194	0.0000	0.0000	0	0.00
			<u>226,035</u>					<i>5,985.00</i>	<i>98,568,870.00</i>
									<i>9 935 195.00</i>
									<i>166 293 671 322.40</i>
<b>Option</b>									
Mar 2018	ZAGB	17.00 Put	500	714.4449	816.0462	0.0000	0.0000	0	0.00
Mar 2018	ZAGB	19.00 Call	1,500	4.8796	4.1556	0.0000	0.0000	0	0.00
Mar 2018	ZAGB	20.14 Call	500	2.1835	2.2308	0.0000	0.0000	0	0.00
Jun 2018	ZAGB	17.50 Put	500	1254.7042	1345.6302	0.0000	0.0000	0	0.00
Jun 2018	ZAGB	20.40 Call	500	72.2598	62.3293	0.0000	0.0000	0	0.00

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			3,500					0.00	0.00	1 774 113.00	0.00
		<b>Total</b>	<b>229,535</b>					<b>5,985.00</b>	<b>98,568,870.00</b>	11 709 308.00	166 293 671 322.40
<b>Future</b>											
	Mar 2018 ZAJY	Future	8,261	0.1118	0.1102	0.0000	0.0000	0	0.00		
			8,261					0.00	0.00	961 606.00	10 715 347 944.50
		<b>Total</b>	<b>8,261</b>					<b>0.00</b>	<b>0.00</b>	961 606.00	10 715 347 944.50
<b>Future</b>											
	Jun 2018 ZAKS	Future	1,145	0.1171	0.1156	0.0000	0.0000	0	0.00		
	Sep 2018 ZAKS	Future	562	0.1162	0.1145	0.0000	0.0000	0	0.00		
			1,707					0.00	0.00	31 923.00	432 652 210.00
		<b>Total</b>	<b>1,707</b>					<b>0.00</b>	<b>0.00</b>	31 923.00	432 652 210.00
<b>Future</b>											
	Jun 2018 ZATR	Future	6,380	3.0721	3.0431	0.0000	0.0000	0	0.00		
			6,380					0.00	0.00	244 569.00	880 239 905.50
		<b>Total</b>	<b>6,380</b>					<b>0.00</b>	<b>0.00</b>	244 569.00	880 239 905.50
<b>Future</b>											
	Mar 2018 ZAUM	Future	452	11.9398	11.7912	11.8807	11.8494	20	23,727,550.00		
	Jun 2018 ZAUM	Future	138	12.0903	11.9393	12.0866	12.0282	10	12,057,400.00		
	Sep 2018 ZAUM	Future	45	12.2337	12.0805	0.0000	0.0000	0	0.00		
	Dec 2018 ZAUM	Future	3	12.3708	12.2156	0.0000	0.0000	0	0.00		
			638					30.00	35,784,950.00	147 924.00	170 229 163 010.00
		<b>Total</b>	<b>638</b>					<b>30.00</b>	<b>35,784,950.00</b>	152 447.00	170 229 163 010.00
<b>Future</b>											
	Mar 2018 ZAUS	Future	751,451	11.9398	11.7912	11.9675	11.8480	130,867	1,558,178,959.50		
	Jun 2018 ZAUS	Future	225,781	12.0903	11.9393	12.1100	11.9966	4,843	58,219,074.80		
	Sep 2018 ZAUS	Future	38,398	12.2337	12.0805	12.2391	12.2001	44	538,442.40		
	Dec 2018 ZAUS	Future	18,500	12.3708	12.2156	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	Future	600	12.5130	12.3568	0.0000	0.0000	250	3,001,480.00		
	Jun 2019 ZAUS	Future	869	12.6486	12.4912	0.0000	0.0000	0	0.00		
			1,035,599					136,004.00	1,619,937,956.70	167 668 765.00	1 975 540 981 114.10
<b>Option</b>											
	Mar 2018 ZAUS	11.45 Put	2,250	11.4893	32.0078	0.0000	0.0000	0	0.00		
	Mar 2018 ZAUS	11.50 Put	32,520	16.2421	41.5981	0.0000	0.0000	0	0.00		
	Mar 2018 ZAUS	11.60 Put	750	30.3482	67.1583	0.0000	0.0000	0	0.00		
	Mar 2018 ZAUS	11.67 Put	10,000	44.7573	90.7933	0.0000	0.0000	0	0.00		
	Mar 2018 ZAUS	11.68 Put	10,000	47.1659	94.5855	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>
Mar 2018	ZAUS	11.72 Put	10,000	57.7471	110.8316	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	11.80 Put	90,000	83.7281	148.5851	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	11.99 Put	40,000	174.1255	272.9363	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	227,000	180.1547	280.3821	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.20 Put	32,520	320.2339	443.3929	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.25 Put	3,750	360.1618	487.4677	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.36 Put	20,880	453.1645	587.6573	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	488.4400	624.9716	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.47 Call	750	21.4641	12.4324	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.50 Put	25,380	579.2588	719.9083	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.55 Call	2,000	15.6130	9.2097	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.70 Call	11,000	9.1317	5.2710	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.70 Put	2,000	769.3317	914.0710	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.82 Put	10,323	886.2044	1032.1969	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.94 Put	5,000	1004.1924	1151.0080	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.95 Call	13,200	3.8611	2.1311	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Call	41,000	3.2709	1.7867	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	80,146	1063.4709	1210.5867	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.20 Call	1,000	1.6901	0.9492	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.20 Put	373	1261.8901	1409.7492	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.22 Put	15,000	1281.7754	1429.6931	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	2,478	1311.6185	1459.6157	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.32 Put	7,500	1381.3129	1529.4627	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.35 Call	2,000	1.0040	0.6072	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	1441.1063	1589.3570	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	7,500	1461.0468	1609.3260	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Call	35,000	0.6058	0.3979	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Put	17,750	1560.8058	1709.1979	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.60 Put	98,694	1660.6367	1809.1042	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.66 Call	10,000	0.3602	0.2602	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.70 Call	25,150	0.3173	0.2350	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.74 Put	20,880	1800.4799	1949.0126	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.76 Call	4,000	0.2630	0.2023	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.79 Call	2,000	0.2397	0.1880	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.84 Put	1,000	1900.4058	2048.9666	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.91 Put	7,000	1970.3667	2118.9413	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.93 Call	100	0.1571	0.1349	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.93 Put	10,323	1990.3571	2138.9349	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.95 Put	1,000	2010.3481	2158.9289	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.98 Put	200	2040.3356	2188.9205	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.00 Call	10,000	0.1280	0.1152	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.02 Call	55	0.1208	0.1102	0.0000	0.0000	0	0.00

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Mar 2018	ZAUS	14.05 Put	500	2110.3108	2258.9032	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.07 Call	100	0.1047	0.0988	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.12 Call	4,951	0.0909	0.0887	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.16 Put	750	2220.2813	2368.8833	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.18 Put	41,000	2240.2770	2388.8836	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Call	73	0.0729	0.0839	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.22 Put	2,000	2280.2690	2428.8842	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.44 Call	10,000	0.0574	0.0885	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.45 Call	17,000	0.0584	0.0887	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.49 Put	80,000	2550.2625	2698.8897	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Call	10,490	0.0635	0.0899	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Put	400	2560.2635	2708.8899	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.52 Put	850	2580.2657	2728.8904	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.54 Call	7,500	0.0678	0.0909	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.57 Call	100	0.0712	0.0917	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.60 Call	100	0.0747	0.0925	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.75 Call	25,047	0.0935	0.0968	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.86 Call	15,000	0.1091	0.1004	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.90 Call	5,000	0.1152	0.1018	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	18,718	0.1168	0.1022	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.00 Call	6,126	0.1313	0.1055	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	0.1506	0.1099	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.26 Call	2,500	0.1797	0.1163	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	0.2239	0.0852	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	35,000	0.2335	0.0750	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.57 Call	6,000	0.2330	0.0600	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.69 Call	750	0.1661	0.0407	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.00 Call	13,176	0.0678	0.0146	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.16 Call	225,000	0.0422	0.0085	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	60,750	29.9634	42.2896	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.20 Put	2,550	55.8533	77.1937	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.35 Call	10,000	824.3665	703.3419	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.45 Call	10,000	748.0323	634.0806	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	66	121.1355	161.9434	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.70 Call	60	579.3178	482.0238	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.75 Put	60,000	208.9556	265.9410	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.77 Put	76,000	217.2629	275.5591	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.90 Put	2,000	275.8662	342.6342	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Call	3,000	416.5702	339.6870	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	22,550	326.2702	400.3870	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.12 Put	372	392.9651	476.4237	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.14 Call	8,000	355.2622	288.9500	0.0000	0.0000	0	0.00



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Jun 2018	ZAUS	12.14 Put	155,500	404.9622	489.6500	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Put	500	411.0245	496.3201	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.24 Call	500	317.6958	257.3029	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	2,415	473.8540	565.0334	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	506.7194	600.6934	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	12,603	575.1575	674.4226	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Call	2,550	237.2502	190.4002	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	114,600	646.9502	751.1002	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	838.8665	953.0375	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	1010.8711	1132.4840	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Call	3,000	134.9488	106.8125	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	22,728	1044.6488	1167.5125	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	1087.2804	1211.6333	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	1191.2978	1318.7315	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	1217.6494	1345.5578	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,550	1306.3991	1435.8025	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	91.1329	70.6665	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	1449.7102	1582.5400	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	1467.8435	1601.0631	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	1486.0233	1619.6232	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1614.4505	1750.5026	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1716.6546	1854.3890	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1763.4461	1901.8807	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1772.8275	1911.3972	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1791.6130	1930.4494	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1801.0168	1939.9839	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1857.5898	1997.3141	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1952.4118	2093.2892	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	2047.8318	2189.7403	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	2191.9307	2335.1851	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	23.4125	16.7458	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	17.8082	12.7704	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	15.2617	10.9710	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	9.5186	6.9212	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	9.0727	6.6072	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	7.9792	5.8356	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	7.0111	5.1523	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	5.6716	4.2050	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	5.0552	3.7678	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	4.8111	3.5944	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	3.1056	2.2577	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	1.5828	1.1339	0.0000	0.0000	0	0.00

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Jun 2018	ZAUS	16.38 Call	750	1.0482	0.7446	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.41 Call	300	0.9903	0.7026	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.49 Call	7,420	0.8504	0.6016	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.52 Call	66	0.8030	0.5674	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.65 Call	500	0.6252	0.4396	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.92 Call	2,415	0.3686	0.2567	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.00 Call	3,500	0.3145	0.2184	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.21 Call	500	0.2064	0.1423	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.38 Call	7,028	0.1461	0.1001	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.50 Put	45,000	189.5073	231.9959	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.75 Put	73,314	280.8346	338.5490	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.85 Put	48,200	324.7850	387.4582	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.61 Put	5,300	767.7164	865.2880	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.65 Put	1,550	795.7018	894.7756	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.85 Put	750	941.1773	1047.3596	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.25 Put	73,314	1255.4722	1373.8619	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.30 Call	1,500	230.3428	196.8382	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.65 Call	1,464	176.0439	148.1195	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	15.97 Call	5,300	33.4920	27.1900	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.04 Call	1,550	31.2335	25.3112	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.14 Call	750	28.2509	22.8360	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.29 Call	73,314	24.2697	19.5434	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	11.64 Put	2,764	290.5226	338.1756	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.50 Call	150	599.4290	528.6592	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.96 Put	23,443	1039.5099	1139.8852	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.00 Call	2,000	439.4927	385.8658	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.80 Call	2,764	271.5930	234.9883	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	14.89 Call	1,000	141.5775	124.2970	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.95 Call	2,000	87.5889	75.3198	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	17.24 Call	23,443	33.7356	27.1681	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	99.9179	87.0750	0.0000	0.0000	0	0.00		
			<u>3,051,672</u>					<u>0.00</u>	<u>0.00</u>	<u>46 644 344.00</u>	<u>0.00</u>
	<b>Total</b>		<b>4,087,271</b>					<b>136,004.00</b>	<b>1,619,937,956.70</b>	<b>214 313 109.00</b>	<b>1 975 540 981 114.10</b>
<b>Grand Total</b>			<b>5,974,611</b>					<b>194,339.00</b>	<b>2 322 123 855.60</b>	<b>290,116,890</b>	<b>2,722,053,543,750.86</b>