



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 17-April-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Apr 2018	DAEU	Future	16	14.8216	14.9781	0.0000	0.0000	0	0.00		
May 2018	DAEU	Future	41	14.8926	15.0499	0.0000	0.0000	0	0.00		
			<u>57</u>					<u>0.00</u>	<u>0.00</u>	<u>790 883.00</u>	<u>11 804 363 950.70</u>
	<b>Total</b>		<b>57</b>					<b>0.00</b>	<b>0.00</b>	<b>1 737 670.00</b>	<b>11 804 363 950.70</b>
<b>Future</b>											
Apr 2018	DAGB	Future	9	17.1771	17.3363	0.0000	0.0000	0	0.00		
May 2018	DAGB	Future	11	17.2224	17.3826	0.0000	0.0000	0	0.00		
			<u>20</u>					<u>0.00</u>	<u>0.00</u>	<u>53 724.00</u>	<u>881 424 413.00</u>
	<b>Total</b>		<b>20</b>					<b>0.00</b>	<b>0.00</b>	<b>261 037.00</b>	<b>881 424 413.00</b>
<b>Future</b>											
Apr 2018	DAUS	Future	0	12.0075	12.0767	0.0000	0.0000	2,359	28,347,912.50		
Apr 2018	DAUS	Future	70	11.9885	12.0853	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	1,846	11.9920	12.0887	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	396	11.9985	12.0953	0.0000	0.0000	12	144,282.00		
May 2018	DAUS	Future	46,000	12.0100	12.1069	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	70	12.0165	12.1135	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	181	12.0485	12.1452	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	1,790	12.0935	12.1901	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	100	12.0981	12.1948	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,800	12.1255	12.2228	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	500	12.1316	12.2289	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	70	12.1331	12.2304	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,345	12.1361	12.2335	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,303	12.1422	12.2396	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	12.1620	12.2595	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	1,666	12.1895	12.2870	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	1,295	12.2321	12.3299	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	12.2730	12.3709	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>		
Oct 2018	DAUS	Future	225	12.2790	12.3769	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	430	12.2819	12.3799	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	12.3012	12.3994	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	12.4371	12.5361	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	12.4979	12.5974	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	13.2804	13.3849	0.0000	0.0000	0	0.00		
			<u>147,781</u>					<u>2,371.00</u>	<u>28,492,194.50</u>	<u>9 245 752.00</u>	<u>112 096 739 840.40</u>

Option

Apr 2018	DAUS	12.03 Put	20,000	81.3708	44.5591	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.00 Put	1,000	3009.7933	2912.9744	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.81 Call	2,000	0.2065	0.3474	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.70 Put	400	20.0340	13.7090	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.76 Put	202	28.4075	19.5845	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.78 Put	100	31.8246	21.9904	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.85 Put	288	46.7878	32.5728	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.87 Call	202	180.5391	261.6050	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.91 Call	100	152.5325	230.1677	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.94 Call	288	132.9431	207.6434	0.0000	0.0000	0	0.00
Apr 2018	DAUS	12.04 Put	240	122.6675	84.8576	0.0000	0.0000	0	0.00
Apr 2018	DAUS	12.10 Call	400	60.6824	106.0517	0.0000	0.0000	0	0.00
Apr 2018	DAUS	12.11 Call	240	57.7406	101.6529	0.0000	0.0000	0	0.00
Apr 2018	DAUS	13.80 Put	1,000	1801.5515	1704.7895	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.23 Call	500	0.1729	0.0000	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.66 Call	500	0.3075	0.0000	0.0000	0.0000	0	0.00
May 2018	DAUS	11.50 Put	2,000	7.3625	4.5428	0.0000	0.0000	0	0.00
May 2018	DAUS	11.80 Call	2,000	242.7370	327.0221	0.0000	0.0000	0	0.00
May 2018	DAUS	12.50 Call	2,000	8.6902	17.9604	0.0000	0.0000	0	0.00
May 2018	DAUS	12.25 Call	20,000	39.9469	72.3730	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Call	100,000	130.0172	195.4548	0.0000	0.0000	0	0.00
May 2018	DAUS	12.10 Call	100,000	88.9492	138.5373	0.0000	0.0000	0	0.00
May 2018	DAUS	12.74 Put	1,880	734.4483	644.7562	0.0000	0.0000	0	0.00
May 2018	DAUS	13.86 Put	1,880	1847.0085	1750.2099	0.0000	0.0000	0	0.00
May 2018	DAUS	15.63 Call	1,880	0.1184	0.0949	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Put	11,000	740.7230	653.3975	0.0000	0.0000	0	0.00
May 2018	DAUS	14.50 Put	11,000	2478.7348	2381.7817	0.0000	0.0000	0	0.00
May 2018	DAUS	15.76 Call	11,000	0.0370	0.0984	0.0000	0.0000	0	0.00
May 2018	DAUS	10.90 Put	1,000	1.3811	1.2065	0.0000	0.0000	0	0.00
May 2018	DAUS	11.70 Put	1,000	39.0495	26.9459	0.0000	0.0000	0	0.00
May 2018	DAUS	12.20 Call	1,000	89.6178	130.8930	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Put	51,000	150.5313	116.5571	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1753.9179	1658.8616	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.7612	0.7834	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>
May 2018	DAUS	15.89 Call	500	0.4765	0.7335	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	44.5315	62.8687	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1717.7846	1626.6865	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	1.9491	2.1801	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	0.9612	1.3095	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	257.6574	223.3225	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	21.5942	30.8037	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	16.4771	23.8552	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	2328.2180	2235.5091	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	1.6295	2.2623	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1690.4663	1603.9628	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	2.1821	2.8695	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	0.8123	1.1988	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	437.3627	390.5795	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1742.4290	1656.0980	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	1.1948	1.7411	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	1669.6015	1587.1042	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	2.4386	3.3771	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	0.9328	1.3391	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	1653.2826	1573.8704	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	2.9616	4.7152	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	1.1535	1.9571	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	1638.3388	1562.5902	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	8.3303	13.1603	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	4.0246	6.7530	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	279.9450	254.1059	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	1689.8018	1613.4183	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	6.4497	9.9477	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	41.7280	40.0920	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	200.3340	182.3789	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	226.1602	259.6335	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	1629.1776	1555.8056	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	14.2283	19.0883	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	7.1894	9.9959	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	1497.5776	1427.1296	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	42.2467	50.0037	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	1619.4768	1548.6544	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	18.6917	23.7273	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	9.7218	12.6833	0.0000	0.0000	0	0.00
			<u>575,126</u>					<u>0.00</u>	<u>0.00</u>
			<b>Total</b>	<b>722,907</b>				<b>2,371.00</b>	<b>28,492,194.50</b>
								<b>27 440 619.00</b>	<b>112 096 739 840.40</b>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
<b>Option</b>										
May 2018	DAYJ	8.94 Call	100,000	929.7381	718.1133	0.0000	0.0000	0	0.00	
Jun 2018	DAYJ	8.34 Put	110,000	852.7507	978.7362	0.0000	0.0000	0	0.00	
			<u>210,000</u>					<u>0.00</u>	<u>0.00</u>	<u>200 000.00</u>
		<b>Total</b>	<b>210,000</b>					<b>0.00</b>	<b>0.00</b>	<b>200 000.00</b>
<b>Future</b>										
Jun 2018	EUUS	Future	190	1.2396	1.2428	0.0000	0.0000	0	0.00	
			<u>190</u>					<u>0.00</u>	<u>0.00</u>	<u>703 628.00</u>
		<b>Total</b>	<b>190</b>					<b>0.00</b>	<b>0.00</b>	<b>7 967 376 542.00</b>
<b>Future</b>										
Sep 2018	JYZA	Future	283	8.6806	8.6179	0.0000	0.0000	0	0.00	
			<u>283</u>					<u>0.00</u>	<u>0.00</u>	<u>18 783.00</u>
		<b>Total</b>	<b>283</b>					<b>0.00</b>	<b>0.00</b>	<b>186 145 988.86</b>
<b>Option</b>										
Jun 2018	JYZA	8.89 Put	1,200	2350.8114	2684.4075	0.0000	0.0000	0	0.00	
			<u>1,200</u>					<u>0.00</u>	<u>0.00</u>	<u>25 800.00</u>
		<b>Total</b>	<b>1,483</b>					<b>0.00</b>	<b>0.00</b>	<b>44 583.00</b>
<b>Future</b>										
Jun 2018	ZAAD	Future	12,044	9.3856	9.4674	9.4005	9.3980	16	150,383.00	
Sep 2018	ZAAD	Future	850	9.4991	9.5816	0.0000	0.0000	0	0.00	
Dec 2018	ZAAD	Future	11,312	9.6097	9.6928	0.0000	0.0000	0	0.00	
			<u>24,206</u>					<u>16.00</u>	<u>150,383.00</u>	<u>3 605 702.00</u>
		<b>Total</b>	<b>24,206</b>					<b>16.00</b>	<b>150,383.00</b>	<b>31 217 778 105.30</b>
<b>Future</b>										
Jun 2018	ZACA	Future	1,520	9.6185	9.6916	0.0000	0.0000	0	0.00	
			<u>1,520</u>					<u>0.00</u>	<u>0.00</u>	<u>131 163.00</u>
		<b>Total</b>	<b>1,520</b>					<b>0.00</b>	<b>0.00</b>	<b>1 288 630 167.10</b>
<b>Future</b>										
Jun 2018	ZAEU	Future	115,648	14.9708	15.1280	15.0822	15.0017	17,292	260,636,190.80	
Sep 2018	ZAEU	Future	57,137	15.2535	15.4144	15.3786	15.3604	1,250	19,209,900.00	
Dec 2018	ZAEU	Future	4,549	15.5317	15.6958	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	Future	2,625	15.8409	16.0083	0.0000	0.0000	0	0.00	
Jun 2019	ZAEU	Future	5,256	16.1024	16.2674	0.0000	0.0000	0	0.00	
			<u>185,215</u>					<u>18,542.00</u>	<u>279,846,090.80</u>	<u>14 437 384.00</u>
		<b>Total</b>	<b>185,215</b>					<b>18,542.00</b>	<b>279,846,090.80</b>	<b>205 485 630 009.80</b>
<b>Option</b>										
Jun 2018	ZAEU	13.50 Put	29,734	8.5335	5.7361	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.75 Put	50,995	13.7436	10.2446	0.0000	0.0000	0	0.00	

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Jun 2018	ZAEU	13.97 Put	6,460	21.2950	17.2420	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.25 Put	29,734	40.9496	33.2108	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.30 Call	10,000	719.3176	865.2893	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.40 Call	10,000	637.5877	774.9359	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.00 Call	3,000	260.0828	353.4342	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.25 Put	50,995	450.8604	360.8205	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.63 Call	29,734	88.7974	129.9810	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.00 Call	3,000	44.4042	69.8347	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.44 Put	6,460	1488.1602	1343.5287	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	6,460	1.8668	2.0899	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	50,995	0.3135	0.5677	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	13.50 Put	29,734	17.3534	17.0380	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	86,824	88.2703	70.5898	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	861.9827	763.6772	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	113.8359	145.4971	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	13.0795	15.4782	0.0000	0.0000	0	0.00	
			<u>607,507</u>					0.00	0.00	7 917 269.00
		<b>Total</b>	<b>792,722</b>					<b>18,542.00</b>	<b>279,846,090.80</b>	22 354 653.00
										205 485 630 009.80
<b>Future</b>										
Jun 2018	ZAFR	Future	1,215	12.5661	12.7474	0.0000	0.0000	0	0.00	
			<u>1,215</u>					0.00	0.00	609 303.00
		<b>Total</b>	<b>1,215</b>					<b>0.00</b>	<b>0.00</b>	6 506 705 521.30
<b>Future</b>										
Jun 2018	ZAGB	Future	215,638	17.3221	17.4814	17.4222	17.3600	33,402	581,187,841.20	
Sep 2018	ZAGB	Future	18,494	17.5919	17.7540	17.6875	17.6847	515	9,108,432.50	
Dec 2018	ZAGB	Future	5,393	17.8524	18.0174	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	Future	3,129	18.1338	18.3005	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,465	18.4047	18.5725	0.0000	0.0000	0	0.00	
			<u>248,119</u>					33,917.00	590,296,273.70	10 492 470.00
										175 606 969 696.70
<b>Option</b>										
Jun 2018	ZAGB	17.50 Put	500	477.9176	398.5641	0.0000	0.0000	0	0.00	
Jun 2018	ZAGB	20.40 Call	500	5.5076	8.3688	0.0000	0.0000	0	0.00	
			<u>1,000</u>					0.00	0.00	1 774 113.00
		<b>Total</b>	<b>249,119</b>					<b>33,917.00</b>	<b>590,296,273.70</b>	12 266 583.00
										175 606 969 696.70
<b>Future</b>										
Jun 2018	ZAJY	Future	8,296	0.1131	0.1139	0.0000	0.0000	0	0.00	
			<u>8,296</u>					0.00	0.00	978 643.00
		<b>Total</b>	<b>8,296</b>					<b>0.00</b>	<b>0.00</b>	10 906 872 238.10

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<b>Future</b>										
Jun 2018	ZAKS	Future	1,145	0.1190	0.1198	0.0000	0.0000	0	0.00	
Sep 2018	ZAKS	Future	562	0.1171	0.1193	0.0000	0.0000	0	0.00	
			<u>1,707</u>					<u>0.00</u>	<u>0.00</u>	<u>31 923.00</u>
		<b>Total</b>	<b>1,707</b>					<b>0.00</b>	<b>0.00</b>	<b>31 923.00</b>
<b>Future</b>										
Jun 2018	ZATR	Future	12,120	2.8924	2.9044	0.0000	0.0000	0	0.00	
			<u>12,120</u>					<u>0.00</u>	<u>0.00</u>	<u>250 309.00</u>
		<b>Total</b>	<b>12,120</b>					<b>0.00</b>	<b>0.00</b>	<b>250 309.00</b>
<b>Future</b>										
Jun 2018	ZAUM	Future	385	12.0767	12.1730	12.1145	12.1145	2	2,422,900.00	
Sep 2018	ZAUM	Future	50	12.2154	12.3130	0.0000	0.0000	0	0.00	
Dec 2018	ZAUM	Future	28	12.3473	12.4457	0.0000	0.0000	0	0.00	
			<u>463</u>					<u>2.00</u>	<u>2,422,900.00</u>	<u>149 285.00</u>
		<b>Total</b>	<b>463</b>					<b>2.00</b>	<b>2,422,900.00</b>	<b>153 808.00</b>
<b>Future</b>										
Jun 2018	ZAUS	Future	928,917	12.0767	12.1730	12.1500	12.0689	79,997	968,834,689.70	
Sep 2018	ZAUS	Future	56,865	12.2154	12.3130	0.0000	0.0000	3,171	38,871,703.50	
Dec 2018	ZAUS	Future	21,666	12.3473	12.4457	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	Future	2,515	12.4849	12.5843	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	Future	3,087	12.6192	12.7187	0.0000	0.0000	0	0.00	
			<u>1,013,050</u>					<u>83,168.00</u>	<u>1,007,706,393.20</u>	<u>171 319 697.00</u>
										<u>2 019 247 203 997.10</u>
<b>Option</b>										
Jun 2018	ZAUS	11.00 Put	60,750	8.0503	6.5505	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.20 Put	2,550	16.5367	13.5114	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.35 Call	10,000	754.1766	845.5176	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.45 Call	10,000	664.6329	754.1539	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.50 Put	30,216	44.3557	36.4659	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.60 Put	12,000	63.7559	51.0678	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.70 Call	60	465.3946	544.8193	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.75 Put	60,000	103.4311	84.2111	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.77 Put	76,000	109.7684	89.5678	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.80 Put	1,500	119.7588	98.0425	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.90 Put	9,500	157.3551	130.2411	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.00 Call	3,000	278.3979	341.7622	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.00 Put	39,050	201.6979	168.7622	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.06 Put	150	231.5509	194.9854	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.12 Put	372	264.5383	223.5493	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	ZAUS	12.13 Call	0	217.2116	271.5365	0.0000	0.0000	1,000	0.00
Jun 2018	ZAUS	12.14 Put	155,500	276.5467	233.5901	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Put	500	282.6452	238.7061	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	2,415	346.9710	297.0085	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Call	4,000	157.9768	201.4253	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	381.2768	328.4253	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	12,603	453.7480	395.4338	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.45 Call	150	118.4430	153.8695	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Call	10,050	107.4999	140.4871	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	114,600	530.7999	467.4871	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	739.1500	665.7014	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	926.4995	846.6076	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Call	15,500	39.8732	55.2596	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	21,728	963.1732	882.2596	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	1009.3813	927.2717	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	1121.7208	1037.0914	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	1150.0836	1064.8949	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	1245.3021	1158.4323	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	19.6491	28.6432	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	1398.5955	1309.5543	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	1417.9120	1328.5893	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	1437.2588	1347.6640	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1573.4221	1482.1779	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1681.1556	1588.8874	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1730.2998	1637.6333	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1740.1401	1647.3987	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1759.8315	1666.9441	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1769.6825	1676.7245	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1828.8569	1735.5027	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	4.4120	6.7945	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1927.7120	1833.7945	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	2026.8042	1932.4277	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	2175.7832	2080.8745	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	1.4000	2.0688	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	1.3672	1.7247	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	1.3559	1.6903	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	1.3464	1.6243	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	1.3473	1.6203	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	1.3507	1.6116	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	1.3560	1.6057	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	1.3684	1.6013	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	1.3769	1.6013	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	ZAUS	15.53 Call	965	1.3809	1.6019	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	1.3048	1.6182	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	0.5922	0.7591	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	0.3650	0.4713	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.3415	0.4413	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.2855	0.3699	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.2669	0.3461	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.1989	0.2589	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.1068	0.1402	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.0886	0.1166	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.0539	0.0714	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.0359	0.0477	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	108.0014	95.9713	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	112.8392	100.3045	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	139.3122	124.0733	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	73,314	188.1285	167.3207	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	225.9937	202.0204	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	290.8563	261.8722	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	386.7632	445.3034	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	451.5627	409.4024	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	1,600	296.9473	344.9698	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	5,300	658.7647	605.3410	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	687.7592	632.9873	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	222.8433	261.7885	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	215.8618	253.8762	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	839.2966	778.2246	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	134.5420	160.5403	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	1169.1420	1097.5403	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	127.7812	152.6690	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	103.2628	125.1181	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	87.5093	107.1066	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	3.6174	4.8472	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	3.2072	4.3007	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	2.6967	3.6375	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	2.0728	2.8208	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	207.3849	189.7692	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	150	469.0330	523.4275	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	317.3210	358.2771	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,000	272.4867	308.6999	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	2,764	172.5332	199.0107	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.89 Call	1,000	74.6650	87.4455	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.95 Call	2,000	37.7680	44.6093	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 2019	ZAUS	10.33 Put	1,000	25.8436	22.7786	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	11.74 Put	1,000	288.0104	267.2061	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.06 Put	4,145	419.5650	390.0567	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	13.45 Call	4,145	354.5181	391.9216	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	14.48 Call	1,000	188.2723	212.2831	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	51.9695	60.6196	0.0000	0.0000	0	0.00	
			<u>1,682,706</u>					<u>1,000.00</u>	<u>0.00</u>	<u>47 445 177.00</u>
	<b>Total</b>		<b><u>2,695,756</u></b>					<b><u>84,168.00</u></b>	<b><u>1,007,706,393.20</u></b>	<b><u>218 764 874.00</u></b>
										<u>0.00</u>
										<u>2 019 247 203 997.10</u>

<b>Grand Total</b>			<b><u>4,721,781</u></b>					<b><u>139,016.00</u></b>	<b><u>1 908 914 235.20</u></b>	<b><u>298,161,361</u></b>	<b><u>2,801,255,971,671.68</u></b>
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