



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 03-May-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
May 2018	DAEU	Future	41	15.2492	15.2498	0.0000	0.0000	0	0.00		
			<u>41</u>					<u>0.00</u>	<u>0.00</u>	790 899.00	11 804 604 189.10
		<b>Total</b>	<b>41</b>					<b>0.00</b>	<b>0.00</b>	1 737 686.00	11 804 604 189.10
<b>Future</b>											
May 2018	DAGB	Future	11	17.2456	17.3091	0.0000	0.0000	0	0.00		
			<u>11</u>					<u>0.00</u>	<u>0.00</u>	53 733.00	881 578 220.30
		<b>Total</b>	<b>11</b>					<b>0.00</b>	<b>0.00</b>	261 046.00	881 578 220.30
<b>Future</b>											
May 2018	DAUS	Future	46,000	12.7206	12.7106	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	70	12.7224	12.7175	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	46,000	12.7393	12.7345	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	34,600	12.7410	12.7362	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	20,000	12.7461	12.7413	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	40,000	12.7529	12.7481	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	181	12.7563	12.7515	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	1,746	12.7698	12.7649	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	9,546	12.7898	12.7849	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	2,085	12.8047	12.7999	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	100	12.8097	12.8049	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,800	12.8394	12.8340	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	500	12.8460	12.8405	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	70	12.8477	12.8421	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,345	12.8510	12.8453	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	2,515	12.8575	12.8518	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	12.8788	12.8727	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	2,879	12.9078	12.9018	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	1,295	12.9530	12.9469	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	12.9966	12.9905	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	13.0030	12.9969	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	1,643	13.0062	13.0001	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	13.0269	13.0207	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	1,212	13.0535	13.0472	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	13.1506	13.1440	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	13.1709	13.1639	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	1,225	13.1941	13.1867	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	13.2359	13.2278	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,225	13.2886	13.2795	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.0092	14.0024	0.0000	0.0000	0	0.00
			<u>306,181</u>					<u>0.00</u>	<u>0.00</u>
									<u>9 730 041.00</u>
									<u>118 064 105 422.20</u>

**Option**

May 2018	DAUS	12.25 Call	20,000	470.7377	458.2116	0.0000	0.0000	0	0.00
May 2018	DAUS	12.40 Call	35,311	321.5139	311.5372	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Call	100,000	720.7052	711.1127	0.0000	0.0000	0	0.00
May 2018	DAUS	12.10 Call	100,000	620.8303	612.0395	0.0000	0.0000	0	0.00
May 2018	DAUS	12.74 Put	1,880	106.8692	120.1741	0.0000	0.0000	0	0.00
May 2018	DAUS	13.86 Put	1,880	1141.1300	1146.4420	0.0000	0.0000	0	0.00
May 2018	DAUS	15.63 Call	1,880	0.0610	0.0621	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Put	11,000	136.2124	145.4673	0.0000	0.0000	0	0.00
May 2018	DAUS	14.50 Put	11,000	1772.7530	1777.5653	0.0000	0.0000	0	0.00
May 2018	DAUS	15.76 Call	11,000	0.0739	0.0962	0.0000	0.0000	0	0.00
May 2018	DAUS	10.90 Put	1,000	0.0331	0.0000	0.0000	0.0000	0	0.00
May 2018	DAUS	11.70 Put	1,000	0.3935	0.5355	0.0000	0.0000	0	0.00
May 2018	DAUS	12.20 Call	1,000	538.0922	535.4318	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Put	51,000	3.3620	3.6885	0.0000	0.0000	0	0.00
May 2018	DAUS	11.95 Call	30,000	792.6585	788.0881	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Call	30,000	745.4058	740.6742	0.0000	0.0000	0	0.00
May 2018	DAUS	12.37 Call	30,000	414.9103	412.7851	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	80,000	253.7040	253.5021	0.0000	0.0000	0	0.00
May 2018	DAUS	12.45 Call	40,000	367.7921	367.0543	0.0000	0.0000	0	0.00
May 2018	DAUS	12.46 Call	30,000	360.6204	359.9263	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Put	270	122.7417	126.8493	0.0000	0.0000	0	0.00
May 2018	DAUS	12.69 Call	270	229.3481	228.6312	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1055.3986	1061.0693	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.3535	0.3281	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	0.2514	0.2710	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	211.4905	209.5893	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1050.9345	1053.5516	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	2.1109	2.1481	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	1.9125	1.9726	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	17.6850	17.6842	0.0000	0.0000	0	0.00

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Jul 2018	DAUS	12.50 Put	2,000	148.2193	148.2902	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	179.5136	175.4934	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	46.6004	46.5969	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	91.7392	88.8689	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	74.7421	72.1634	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1643.2861	1647.1851	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	5.1153	5.0173	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1052.0338	1055.3705	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	7.5670	7.3618	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	3.9936	4.0313	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	134.9631	135.4519	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1104.2450	1107.9596	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	5.7155	5.6688	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	1057.0270	1060.6620	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	12.1043	12.0149	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	5.3035	5.4275	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	1061.0204	1064.7656	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	19.4155	16.0914	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	10.3271	7.0806	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	1065.2833	1068.9951	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	33.3091	31.3519	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	21.9448	20.0388	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	100.8456	101.1286	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	1112.5102	1116.6383	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	28.9702	27.1554	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	16.1229	16.5316	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	70.6825	71.4056	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	469.0925	465.9550	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	1071.8929	1076.0093	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	46.4181	44.0804	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	29.3115	27.4030	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	962.2906	966.3908	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	91.8693	90.2531	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	1076.5088	1080.8564	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	58.2501	55.1825	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	35.5339	33.2643	0.0000	0.0000	0	0.00
			<u>823,517</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>1,129,698</b>					<b>0.00</b>	<b>0.00</b>
									<b>18 498 245.00</b>
									<b>118 064 105 422.20</b>
<b>Option</b>									
Jun 2018	DAYJ	8.34 Put	110,000	1379.8041	1190.0867	0.0000	0.0000	0	0.00
			<u>110,000</u>					<u>0.00</u>	<u>0.00</u>
									<b>110 000.00</b>
									<b>0.00</b>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
		<b>Total</b>	<b>110,000</b>					<b>0.00</b>	<b>0.00</b>	110 000.00	0.00
<b>Future</b>											
	Jun 2018	EUUS	Future	120	1.1990	1.1996	0.0000	0.0000	0	0.00	
				120					0.00	0.00	7 971 149 412.00
			<b>Total</b>	<b>120</b>					<b>0.00</b>	<b>0.00</b>	7 971 149 412.00
<b>Future</b>											
	Sep 2018	JYZA	Future	283	8.3537	8.4287	0.0000	0.0000	0	0.00	
				283					0.00	0.00	18 783.00
<b>Option</b>											
	Jun 2018	JYZA	8.89 Put	1,200	4212.0228	3654.4207	0.0000	0.0000	0	0.00	
				1,200					0.00	0.00	25 800.00
			<b>Total</b>	<b>1,483</b>					<b>0.00</b>	<b>0.00</b>	44 583.00
<b>Future</b>											
	Jun 2018	ZAAD	Future	13,367	9.5941	9.5771	9.5606	9.5556	660	6,312,395.00	
	Sep 2018	ZAAD	Future	850	9.7128	9.6954	0.0000	0.0000	0	0.00	
	Dec 2018	ZAAD	Future	11,312	9.8277	9.8092	0.0000	0.0000	0	0.00	
				25,529					660.00	6,312,395.00	3 614 330.00
			<b>Total</b>	<b>25,529</b>					<b>660.00</b>	<b>6,312,395.00</b>	31 299 438 178.70
<b>Future</b>											
	Jun 2018	ZACA	Future	1,500	9.9190	9.9551	0.0000	0.0000	0	0.00	
				1,500					0.00	0.00	131 193.00
			<b>Total</b>	<b>1,500</b>					<b>0.00</b>	<b>0.00</b>	131 193.00
<b>Future</b>											
	Jun 2018	ZAEU	Future	116,067	15.3311	15.3329	15.2737	15.2294	882	13,448,029.60	
	Sep 2018	ZAEU	Future	57,507	15.6206	15.6223	15.5605	15.5226	1,265	19,657,293.50	
	Dec 2018	ZAEU	Future	7,625	15.9077	15.9104	0.0000	0.0000	0	0.00	
	Mar 2019	ZAEU	Future	4,686	16.2234	16.2261	0.0000	0.0000	0	0.00	
	Jun 2019	ZAEU	Future	5,256	16.4909	16.4923	0.0000	0.0000	0	0.00	
				191,141					2,147.00	33,105,323.10	14 496 590.00
<b>Option</b>											
	Jun 2018	ZAEU	13.50 Put	29,734	2.8770	3.1098	0.0000	0.0000	0	0.00	
	Jun 2018	ZAEU	13.75 Put	50,995	5.8027	6.2171	0.0000	0.0000	0	0.00	
	Jun 2018	ZAEU	13.97 Put	6,460	9.3280	10.0321	0.0000	0.0000	0	0.00	
	Jun 2018	ZAEU	14.25 Put	29,734	16.6008	17.9504	0.0000	0.0000	0	0.00	
	Jun 2018	ZAEU	14.30 Call	10,000	1049.5522	1052.8604	0.0000	0.0000	0	0.00	
	Jun 2018	ZAEU	14.40 Call	10,000	953.9551	957.6292	0.0000	0.0000	0	0.00	

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Jun 2018	ZAEU	15.00 Call	3,000	459.5837	465.4967	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.25 Put	50,995	232.6994	236.6469	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.63 Call	29,734	166.0973	170.9030	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.00 Call	3,000	86.0070	89.4987	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.44 Put	6,460	1142.8761	1142.9704	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	6,460	1.5634	1.7898	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	50,995	0.8053	0.8980	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	13.50 Put	29,734	14.8067	15.7499	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	86,824	46.4768	48.3832	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	636.5553	639.1104	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	183.1841	185.6757	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	17.8880	19.2814	0.0000	0.0000	0	0.00	
			<u>607,507</u>					<u>0.00</u>	<u>0.00</u>	<u>7 917 269.00</u>
		<b>Total</b>	<b>798,648</b>					<b>2,147.00</b>	<b>33,105,323.10</b>	<b>22 413 859.00</b>
										<b>206 394 102 940.20</b>
<b>Future</b>										
Jun 2018	ZAFR	Future	1,215	12.8408	12.8482	0.0000	0.0000	0	0.00	
			<u>1,215</u>					<u>0.00</u>	<u>0.00</u>	<u>609 303.00</u>
		<b>Total</b>	<b>1,215</b>					<b>0.00</b>	<b>0.00</b>	<b>6 506 705 521.30</b>
										<b>609 303.00</b>
										<b>6 506 705 521.30</b>
<b>Future</b>										
Jun 2018	ZAGB	Future	432,209	17.3503	17.4175	17.2550	17.2550	5	86,275.00	
Sep 2018	ZAGB	Future	17,994	17.6294	17.6958	0.0000	0.0000	0	0.00	
Dec 2018	ZAGB	Future	6,227	17.8998	17.9661	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	Future	4,932	18.1926	18.2555	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,465	18.4596	18.5234	0.0000	0.0000	0	0.00	
			<u>466,827</u>					<u>5.00</u>	<u>86,275.00</u>	<u>10 766 739.00</u>
										<u>180 328 519 810.10</u>
<b>Option</b>										
Jun 2018	ZAGB	17.50 Put	500	437.7282	402.7550	0.0000	0.0000	0	0.00	
Jun 2018	ZAGB	20.40 Call	500	4.0414	4.8540	0.0000	0.0000	0	0.00	
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 774 113.00</u>
		<b>Total</b>	<b>467,827</b>					<b>5.00</b>	<b>86,275.00</b>	<b>12 540 852.00</b>
										<b>180 328 519 810.10</b>
<b>Future</b>										
Jun 2018	ZAJY	Future	8,296	0.1176	0.1165	0.0000	0.0000	0	0.00	
			<u>8,296</u>					<u>0.00</u>	<u>0.00</u>	<u>978 643.00</u>
		<b>Total</b>	<b>8,296</b>					<b>0.00</b>	<b>0.00</b>	<b>10 906 872 238.10</b>
										<b>978 643.00</b>
										<b>10 906 872 238.10</b>
<b>Future</b>										
Jun 2018	ZAKS	Future	1,145	0.1266	0.1267	0.0000	0.0000	0	0.00	
Sep 2018	ZAKS	Future	562	0.1261	0.1262	0.0000	0.0000	0	0.00	

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			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	3,940	2.9767	3.0192	0.0000	0.0000	0	0.00		
			3,940					0.00	0.00	258 929.00	923 231 285.50
		<b>Total</b>	<b>3,940</b>					<b>0.00</b>	<b>0.00</b>	258 929.00	923 231 285.50
<b>Future</b>											
	Jun 2018 ZAUM	Future	377	12.7864	12.7816	12.7887	12.7887	5	6,394,350.00		
	Sep 2018 ZAUM	Future	52	12.9352	12.9292	0.0000	0.0000	0	0.00		
	Dec 2018 ZAUM	Future	10	13.0755	13.0691	0.0000	0.0000	0	0.00		
			439					5.00	6,394,350.00	149 581.00	172 218 032 350.00
		<b>Total</b>	<b>439</b>					<b>5.00</b>	<b>6,394,350.00</b>	154 104.00	172 218 032 350.00
<b>Future</b>											
	Jun 2018 ZAUS	Future	1,133,374	12.7864	12.7816	12.8045	12.6500	63,673	809,016,123.40		
	Sep 2018 ZAUS	Future	90,037	12.9352	12.9292	12.9400	12.7940	703	9,039,016.70		
	Dec 2018 ZAUS	Future	24,421	13.0755	13.0691	13.0111	12.9777	390	5,055,612.00		
	Mar 2019 ZAUS	Future	3,498	13.2220	13.2141	0.0000	0.0000	0	0.00		
	Jun 2019 ZAUS	Future	3,087	13.3562	13.3473	0.0000	0.0000	0	0.00		
			1,254,417					64,766.00	823,110,752.10	172 494 865.00	2 033 800 226 920.40
<b>Option</b>											
	Jun 2018 ZAUS	11.00 Put	60,750	0.8317	0.8212	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.20 Put	2,550	1.6370	1.6184	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.35 Call	10,000	1439.1032	1434.2753	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.45 Call	10,000	1340.1636	1335.3281	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.50 Put	40,216	4.4367	4.3967	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.60 Put	12,000	6.2858	6.2776	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.75 Put	60,000	10.4656	10.5542	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.77 Put	76,000	11.1878	11.2958	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.80 Put	5,500	12.3589	12.4982	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.90 Put	9,500	17.1362	17.4124	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.00 Call	3,000	809.9666	805.6383	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.00 Put	29,050	23.5666	24.0383	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.06 Put	150	28.4144	29.0366	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.12 Put	372	34.1484	34.9502	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.14 Put	155,500	36.2790	37.1473	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.15 Call	500	673.7982	669.9003	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.15 Put	1,000	37.3982	38.3003	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.23 Call	3,000	607.5570	603.7834	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>
Jun 2018	ZAUS	12.25 Call	40,000	591.5071	587.7632	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	12,415	55.1071	56.1632	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Call	4,000	552.3336	548.6635	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	65.9336	67.0635	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	15,103	91.9285	93.1942	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.45 Call	150	443.6203	440.1494	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Call	2,550	410.5086	407.0963	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	115,230	124.1086	125.4963	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	233.1750	234.8343	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	359.0870	361.1478	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Call	15,500	172.5373	169.8858	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	21,228	386.1373	388.2858	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	421.1074	423.3622	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	509.8330	512.3384	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	532.9815	535.5484	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	612.6217	615.3889	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	90.1466	88.2088	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	746.8240	749.8868	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	763.9986	767.0945	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	781.2772	784.4070	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	904.8938	908.2452	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1004.8156	1008.3285	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1050.9114	1054.4930	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1060.1758	1063.7711	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1078.7487	1082.3704	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1088.0558	1091.6909	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1144.1795	1147.8904	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	25.0725	24.1033	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1238.6725	1242.5033	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1334.1740	1338.1133	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1478.2912	1482.5385	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	7.7623	7.5620	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	5.1310	5.0515	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	4.0742	4.0385	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	2.0398	2.0710	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	1.9037	1.9381	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	1.5840	1.6247	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	1.3186	1.3631	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	1.1716	1.2190	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	1.1691	1.2177	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	1.1685	1.2177	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	1.1755	1.2296	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	16.16 Call	5,183	1.2159	1.2773	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	1.2539	1.3202	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	1.2599	1.3268	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	1.2765	1.3453	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	1.2830	1.3525	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	1.3133	1.3859	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.7541	0.8005	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.6378	0.6783	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.4084	0.4364	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.2829	0.3035	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	29.0868	29.2936	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	30.0944	30.3075	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	35.6622	35.9119	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	73,314	50.4152	50.7091	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	64.4821	64.7956	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	72.5249	72.8499	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	90.7992	91.1411	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	835.7851	830.1721	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	20,000	150.5851	150.9721	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	165.1577	165.5559	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	191.7262	192.2451	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	671.5214	666.2428	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	4,000	236.3214	237.0428	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	282.2284	283.1570	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	300.1105	301.1148	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	522.6987	517.9539	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	507.9120	503.2347	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	398.8245	400.2562	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.88 Put	250	414.9396	416.4377	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	20,000	418.7136	414.5097	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	345.9475	342.2963	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	329.7429	326.2243	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	644.5429	647.0243	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	314.2787	310.8942	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	259.2864	256.4167	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	224.3865	221.8355	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	19.4031	19.2798	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	17.4702	17.4163	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	15.0071	15.0370	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	11.8944	12.0180	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	79.0534	79.8577	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	150	874.8248	872.0234	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	12.50 Put	100	299.3248	302.9234	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	616.7130	613.6758	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	534.8635	532.2841	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	2,764	350.4368	348.1952	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.89 Call	1,000	163.9089	161.9747	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	1,000	151.6218	149.7738	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.95 Call	2,000	80.9625	79.8081	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	6.8980	9.1325	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	127.7228	133.5851	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	204.3673	209.9842	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.76 Put	250	461.6999	467.3553	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	623.3164	620.5243	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	353.7793	350.6249	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Call	1,000	236.4143	232.8719	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	106.2915	105.4478	0.0000	0.0000	0	0.00
			<u>1,860,407</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b><u>3,114,824</u></b>					<b><u>64,766.00</u></b>	<b><u>823,110,752.10</u></b>
								<u>220 229 463.00</u>	<u>2 033 800 226 920.40</u>

<b>Grand Total</b>	<b><u>5,665,278</u></b>			<b><u>67,583.00</u></b>	<b><u>869 009 095.20</u></b>	<b><u>300,765,001</u></b>	<b><u>2,827,885,460,435.68</u></b>
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