



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

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

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Feb 2018	DAAD	Future	46	9.8377	9.8001	0.0000	0.0000	0	0.00		
			46					0.00	0.00	77 070.00	730 326 654.80
		<b>Total</b>	<b>46</b>					<b>0.00</b>	<b>0.00</b>	146 070.00	730 326 654.80
<b>Future</b>											
Jan 2018	DAEU	Future	151,647	15.0313	15.0229	0.0000	0.0000	0	0.00		
Feb 2018	DAEU	Future	44	15.0810	15.0726	0.0000	0.0000	0	0.00		
Mar 2018	DAEU	Future	63	15.1667	15.1586	0.0000	0.0000	0	0.00		
Mar 2018	DAEU	Future	3	15.2118	15.2037	0.0000	0.0000	0	0.00		
			151,757					0.00	0.00	745 543.00	11 134 851 230.70
<b>Option</b>											
Jan 2018	DAEU	15.80 Put	193,000	780.4642	789.4781	0.0000	0.0000	0	0.00		
Jan 2018	DAEU	16.50 Call	15,150	2.6032	2.8501	0.0000	0.0000	0	0.00		
Feb 2018	DAEU	16.41 Put	1,647	1311.3338	1319.2549	0.0000	0.0000	0	0.00		
			209,797					0.00	0.00	946 787.00	0.00
		<b>Total</b>	<b>361,554</b>					<b>0.00</b>	<b>0.00</b>	1 692 330.00	11 134 851 230.70
<b>Future</b>											
Jan 2018	DAGB	Future	10	16.9666	16.9160	0.0000	0.0000	0	0.00		
Mar 2018	DAGB	Future	17	17.0582	17.0075	0.0000	0.0000	0	0.00		
Mar 2018	DAGB	Future	38	17.0994	17.0487	0.0000	0.0000	0	0.00		
			65					0.00	0.00	53 598.00	879 314 344.30
		<b>Total</b>	<b>65</b>					<b>0.00</b>	<b>0.00</b>	260 911.00	879 314 344.30
<b>Future</b>											
Jan 2018	DAUS	Future	241	12.2679	12.2694	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	70	12.2772	12.2812	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	144,845	12.2890	12.2929	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	1,346	12.3065	12.3104	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	70	12.3142	12.3182	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>
Feb 2018	DAUS	Future	12	12.3181	12.3221	0.0000	0.0000	0	0.00
Feb 2018	DAUS	Future	3,201	12.3416	12.3458	0.0000	0.0000	0	0.00
Mar 2018	DAUS	Future	5,607	12.3678	12.3722	0.0000	0.0000	0	0.00
Mar 2018	DAUS	Future	1,199	12.3926	12.3971	0.0000	0.0000	0	0.00
Apr 2018	DAUS	Future	70	12.4389	12.4433	0.0000	0.0000	0	0.00
Apr 2018	DAUS	Future	110	12.4495	12.4538	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	70	12.4690	12.4732	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	181	12.5043	12.5084	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	445	12.5555	12.5594	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	12.5608	12.5647	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	12.5925	12.5963	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,000	12.5992	12.6031	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	12.6009	12.6048	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,853	12.6111	12.6150	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	12.6331	12.6370	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	1,336	12.6635	12.6676	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	1,295	12.7109	12.7152	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	12.7562	12.7606	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	12.7627	12.7672	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	12.7873	12.7917	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	12.9399	12.9445	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	13.9222	13.9234	0.0000	0.0000	0	0.00
			<u>249,426</u>					<u>0.00</u>	<u>0.00</u>
									<u>7 462 608.00</u>
									<u>90 823 770 783.50</u>
<b>Option</b>									
Jan 2018	DAUS	13.90 Put	20,000	1632.1074	1630.6115	0.0000	0.0000	0	0.00
Jan 2018	DAUS	12.25 Put	440	116.8282	120.3460	0.0000	0.0000	0	0.00
Jan 2018	DAUS	12.32 Put	460	152.5605	155.9628	0.0000	0.0000	0	0.00
Jan 2018	DAUS	12.36 Call	440	105.5775	112.6841	0.0000	0.0000	0	0.00
Jan 2018	DAUS	12.41 Call	460	88.0202	94.8035	0.0000	0.0000	0	0.00
Jan 2018	DAUS	12.80 Put	25,000	528.9782	528.2829	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.16 Put	19,500	875.3607	872.4256	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	107,000	964.1615	960.9524	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.27 Put	2,883	983.9472	980.6882	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.30 Put	40,904	1013.6550	1010.3278	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.40 Put	168,000	1112.8897	1109.3817	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.90 Call	42,000	0.2818	0.3518	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.00 Call	23,300	0.1901	0.2406	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.25 Call	29,000	0.0730	0.0955	0.0000	0.0000	0	0.00
Feb 2018	DAUS	12.57 Put	242	331.0341	332.6079	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.04 Put	234	757.1924	755.0332	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.15 Put	3,496	864.5069	861.7731	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.22 Call	242	0.0763	0.0803	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>
Feb 2018	DAUS	15.52 Call	2,723	0.1557	0.1318	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.79 Call	234	0.2626	0.1931	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.88 Call	773	0.3066	0.2170	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.20 Put	35,000	908.1222	905.1257	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.80 Put	35,000	1500.6387	1496.8950	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.16 Put	1,880	868.1115	865.2004	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.86 Put	1,880	1556.9726	1553.2041	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.05 Call	1,880	0.1621	0.1997	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.75 Put	20,000	1440.4552	1436.7243	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.90 Put	20,000	1589.6309	1585.8233	0.0000	0.0000	0	0.00
Feb 2018	DAUS	14.20 Put	20,000	1881.5936	1877.6245	0.0000	0.0000	0	0.00
Feb 2018	DAUS	12.50 Call	3,450	173.2927	174.8231	0.0000	0.0000	3,460	0.00
Feb 2018	DAUS	13.80 Call	8,500	11.9798	11.7244	0.0000	0.0000	0	0.00
Feb 2018	DAUS	14.18 Put	2,186	1843.2760	1839.0647	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.40 Put	100,000	1087.1701	1082.1687	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.00 Put	1,000	2578.0841	2573.8650	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.81 Call	2,000	5.3399	4.9179	0.0000	0.0000	0	0.00
Apr 2018	DAUS	13.80 Put	1,000	1434.3282	1429.6354	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.23 Call	500	15.0729	14.8240	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.66 Call	500	7.6252	7.1692	0.0000	0.0000	0	0.00
May 2018	DAUS	12.74 Put	1,880	565.9472	560.5810	0.0000	0.0000	0	0.00
May 2018	DAUS	13.86 Put	1,880	1484.8862	1480.1336	0.0000	0.0000	0	0.00
May 2018	DAUS	15.63 Call	1,880	9.8582	9.3188	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Put	11,000	575.3063	569.9326	0.0000	0.0000	0	0.00
May 2018	DAUS	14.50 Put	11,000	2075.6869	2071.2080	0.0000	0.0000	0	0.00
May 2018	DAUS	15.76 Call	11,000	8.7295	8.4978	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1423.8196	1418.9776	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	21.7287	23.4372	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	9.7592	11.8963	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1415.9988	1411.0533	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	39.6524	40.1554	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	27.5798	28.4555	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	239.1422	235.0568	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	211.6556	210.4519	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	191.5527	190.4531	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.19 Put	1,500	1745.6414	1740.8971	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1978.1590	1973.5507	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.72 Call	1,500	53.5670	53.7271	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	46.9038	47.2060	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1408.2288	1403.3151	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	55.9104	55.9970	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	42.7517	43.0611	0.0000	0.0000	0	0.00

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Aug 2018	DAUS	12.32 Put	1,880	370.5708	365.7615	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	1458.0078	1452.7841	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	51.1910	49.3612	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	1403.5468	1398.5452	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	70.9226	70.5389	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	54.2255	53.9241	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	1398.5238	1393.4744	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	84.2618	83.6496	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	61.1982	60.6584	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	1392.4207	1388.0125	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	99.4276	98.7863	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	71.0938	70.5199	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.90 Put	1,880	236.9690	235.3516	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.86 Put	1,880	1439.6763	1435.2619	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.81 Call	1,880	85.4263	84.9738	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	1388.3849	1383.9815	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	110.6167	109.7614	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	74.1761	73.4837	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.65 Put	20,000	1270.2648	1265.9899	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	15.69 Call	20,000	166.5763	166.1078	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	1383.5501	1379.2244	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	116.0579	115.1025	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	77.5036	76.7341	0.0000	0.0000	0	0.00		
			<u>858,027</u>					<u>3,460.00</u>	<u>0.00</u>	<u>16 511 495.00</u>	<u>0.00</u>
<b>Total</b>			<b>1,107,453</b>					<b>3,460.00</b>	<b>0.00</b>	<b>23 974 103.00</b>	<b>90 823 770 783.50</b>
<b>Future</b>											
Mar 2018	EUUS	Future	14,860	1.2266	1.2255	0.0000	0.0000	4,916	60,712,600.00		
			<u>14,860</u>					<u>4,916.00</u>	<u>60,712,600.00</u>	<u>664 295.00</u>	<u>7 478 690 474.00</u>
<b>Total</b>			<b>14,860</b>					<b>4,916.00</b>	<b>60,712,600.00</b>	<b>664 295.00</b>	<b>7 478 690 474.00</b>
<b>Future</b>											
Mar 2018	ZAAD	Future	18,200	9.8634	9.8261	0.0000	0.0000	0	0.00		
Jun 2018	ZAAD	Future	5,534	9.9921	9.9541	0.0000	0.0000	451	4,522,902.70		
Sep 2018	ZAAD	Future	400	10.1198	10.0809	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	10,812	10.2390	10.1999	0.0000	0.0000	0	0.00		
			<u>34,946</u>					<u>451.00</u>	<u>4,522,902.70</u>	<u>3 520 607.00</u>	<u>30 419 146 615.70</u>
<b>Total</b>			<b>34,946</b>					<b>451.00</b>	<b>4,522,902.70</b>	<b>3 552 984.00</b>	<b>30 419 146 615.70</b>
<b>Future</b>											
Mar 2018	ZACA	Future	750	9.9702	9.9731	0.0000	0.0000	0	0.00		
Jun 2018	ZACA	Future	100	10.1095	10.1119	0.0000	0.0000	0	0.00		

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			850					0.00	0.00	125 603.00	1 236 437 662.10
		<b>Total</b>	<b>850</b>					<b>0.00</b>	<b>0.00</b>	125 603.00	1 236 437 662.10
<b>Future</b>											
Mar 2018	ZAEU	Future	96,986	15.1788	15.1707	15.2199	15.2199	1,204	18,703,119.60		
Jun 2018	ZAEU	Future	9,115	15.4731	15.4636	0.0000	0.0000	440	6,831,488.00		
Sep 2018	ZAEU	Future	5,417	15.7709	15.7611	0.0000	0.0000	0	0.00		
Dec 2018	ZAEU	Future	2,926	16.0596	16.0491	0.0000	0.0000	0	0.00		
			114,444					1,644.00	25,534,607.60	13 648 720.00	193 764 838 706.90
<b>Option</b>											
Mar 2018	ZAEU	15.05 Put	5,648	271.1303	275.8463	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	15.10 Put	18,643	296.4712	301.3288	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	16.50 Call	643	55.5964	56.2940	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	17.00 Call	620	27.7858	28.4474	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.75 Put	50,995	24.0314	25.0910	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.97 Put	7,000	34.0227	35.4008	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.25 Put	50,995	415.5732	419.5569	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	16.44 Put	7,000	1224.7715	1231.8246	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	18.61 Call	7,000	47.5783	47.4518	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	20.55 Call	50,995	15.1923	14.9466	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	161,971	110.2767	111.3305	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	124,767	747.5352	751.8665	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.00 Put	37,204	842.5437	847.2061	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	124,767	101.4639	101.0104	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	21.63 Call	37,204	34.3261	34.4453	0.0000	0.0000	0	0.00		
			685,452					0.00	0.00	6 847 461.00	0.00
		<b>Total</b>	<b>799,896</b>					<b>1,644.00</b>	<b>25,534,607.60</b>	20 496 181.00	193 764 838 706.90
<b>Future</b>											
Mar 2018	ZAFR	Future	1,215	12.9152	12.8736	0.0000	0.0000	0	0.00		
			1,215					0.00	0.00	605 550.00	6 459 053 543.50
		<b>Total</b>	<b>1,215</b>					<b>0.00</b>	<b>0.00</b>	605 550.00	6 459 053 543.50
<b>Future</b>											
Mar 2018	ZAGB	Future	187,926	17.1112	17.0606	17.1900	17.1636	510	8,753,700.00		
Jun 2018	ZAGB	Future	7,457	17.3958	17.3432	17.4317	17.4317	1,050	18,317,920.00		
Sep 2018	ZAGB	Future	4,164	17.6786	17.6244	0.0000	0.0000	0	0.00		
Dec 2018	ZAGB	Future	886	17.9483	17.8938	0.0000	0.0000	0	0.00		
			200,433					1,560.00	27,071,620.00	9 803 334.00	164 074 773 929.20
<b>Option</b>											
Mar 2018	ZAGB	17.00 Put	500	371.6826	392.3187	0.0000	0.0000	0	0.00		

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Mar 2018	ZAGB	19.00 Call	1,500	51.8542	47.0780	0.0000	0.0000	0	0.00
Mar 2018	ZAGB	20.14 Call	500	12.6300	11.5024	0.0000	0.0000	0	0.00
Jun 2018	ZAGB	17.50 Put	500	757.3660	779.3178	0.0000	0.0000	0	0.00
Jun 2018	ZAGB	20.40 Call	500	103.5067	96.7566	0.0000	0.0000	0	0.00
			3,500					0.00	0.00
		<b>Total</b>	<b>203,933</b>					<b>1,560.00</b>	<b>27,071,620.00</b>
									11 577 447.00
									164 074 773 929.20
<b>Future</b>									
Mar 2018	ZAJY	Future	115	0.1122	0.1120	0.0000	0.0000	0	0.00
			115					0.00	0.00
		<b>Total</b>	<b>115</b>					<b>0.00</b>	<b>0.00</b>
									953 460.00
									10 625 024 617.80
<b>Future</b>									
Jun 2018	ZAKS	Future	1,145	0.1187	0.1176	0.0000	0.0000	0	0.00
Sep 2018	ZAKS	Future	562	0.1180	0.1179	0.0000	0.0000	0	0.00
			1,707					0.00	0.00
		<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>									
Mar 2018	ZATR	Future	433	3.1872	3.2040	0.0000	0.0000	0	0.00
			433					0.00	0.00
		<b>Total</b>	<b>433</b>					<b>0.00</b>	<b>0.00</b>
									238 189.00
									860 554 603.00
<b>Future</b>									
Mar 2018	ZAUM	Future	575	12.3748	12.3793	0.0000	0.0000	10	12,432,500.00
Jun 2018	ZAUM	Future	47	12.5360	12.5401	0.0000	0.0000	0	0.00
Sep 2018	ZAUM	Future	8	12.6923	12.6965	0.0000	0.0000	0	0.00
			630					10.00	12,432,500.00
		<b>Total</b>	<b>630</b>					<b>10.00</b>	<b>12,432,500.00</b>
									146 023.00
									167 940 951 390.00
<b>Future</b>									
Mar 2018	ZAUS	Future	912,637	12.3748	12.3793	12.4550	12.3860	22,918	284,846,435.40
Jun 2018	ZAUS	Future	175,062	12.5360	12.5401	12.6000	12.5700	1,400	17,602,938.70
Sep 2018	ZAUS	Future	5,282	12.6923	12.6965	12.7261	12.7261	5	63,630.50
Dec 2018	ZAUS	Future	11,000	12.8379	12.8425	0.0000	0.0000	0	0.00
			1,103,981					24,323.00	302,513,004.60
		<b>Total</b>							164 236 980.00
									1 934 480 404 359.90
<b>Option</b>									
Mar 2018	ZAUS	11.50 Put	32,520	23.9708	24.3313	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	248,000	114.7687	114.5994	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.13 Put	5,460	163.0568	162.2139	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.20 Put	32,520	193.3894	192.1339	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	12.25 Put	46,750	216.8930	215.3302	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.36 Put	20,880	274.0878	271.6130	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	297.4044	293.8173	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.50 Put	25,750	359.5176	355.2891	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.70 Call	11,000	173.1552	172.3334	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.70 Put	2,000	498.3552	493.0334	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.75 Call	100	160.5208	159.4741	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.82 Put	10,323	589.5872	583.7564	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.94 Put	5,000	685.7129	679.4799	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.95 Call	13,200	118.7191	116.9578	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Call	21,000	109.7557	108.2697	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	100,016	734.9557	728.9697	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.20 Call	1,000	80.2522	78.4400	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.20 Put	1,073	905.4522	899.1400	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.21 Put	5,460	914.2108	907.8895	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.22 Put	15,000	922.9906	916.6580	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	2,478	949.4451	943.0840	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.32 Put	7,500	1011.8133	1005.4014	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.35 Call	2,000	63.5986	61.6720	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	1065.9288	1059.4897	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	7,500	1084.0917	1077.6468	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Call	35,000	50.5551	48.5969	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Put	17,750	1175.7551	1169.2969	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.52 Put	3,600	1194.2447	1187.7879	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.60 Put	197,389	1268.6697	1262.2291	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.66 Call	10,000	38.6725	37.6759	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.70 Call	25,150	35.7478	34.8589	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.74 Put	20,880	1398.2265	1392.9376	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.76 Call	4,000	31.7384	30.9976	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.79 Call	2,000	29.8924	29.2199	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.84 Put	1,000	1492.2343	1487.1671	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.91 Put	7,000	1558.6556	1553.7194	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.93 Call	100	22.5170	22.1148	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.93 Put	10,323	1577.7170	1572.8148	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.95 Put	1,000	1596.8134	1591.9443	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.98 Put	200	1625.5212	1620.6986	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.00 Call	10,000	19.5001	19.2066	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.02 Call	55	18.7101	18.4445	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.05 Put	500	1692.7811	1688.0551	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.07 Call	100	16.8642	16.6629	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.12 Call	4,951	15.1902	15.0458	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.16 Put	750	1799.1649	1794.5614	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	14.18 Put	41,000	1818.5878	1814.0029	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Call	73	12.8333	12.7660	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.22 Put	2,000	1857.5005	1852.9503	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.42 Call	5,460	8.0086	8.0798	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.44 Call	10,000	7.6685	7.7481	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.45 Call	17,000	7.5037	7.5870	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.49 Put	80,000	2122.0776	2117.6751	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Call	10,490	6.7291	6.8296	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Put	400	2131.9291	2127.5296	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.52 Put	850	2151.6413	2147.2479	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.54 Call	7,500	6.1653	6.2773	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.57 Call	100	5.7725	5.8918	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.60 Call	100	5.4038	5.5294	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.75 Call	25,047	3.8758	4.0199	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.86 Call	15,000	3.3531	3.1780	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.90 Call	5,000	3.2834	2.9179	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	18,718	3.2666	2.9037	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.00 Call	6,126	3.1251	2.7855	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	2.9738	2.6595	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.26 Call	2,500	2.8000	2.5156	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	2.6157	2.3642	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	35,000	2.5843	2.3387	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.57 Call	6,000	2.5332	2.2973	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.69 Call	750	2.4558	2.2351	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.00 Call	13,176	2.3062	2.1179	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.16 Call	225,000	1.8511	1.8629	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	750	22.9873	21.8126	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	66	66.0468	63.6453	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	20,000	199.4608	195.6091	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.12 Put	372	247.3717	243.1293	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	2,415	305.9500	301.3309	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	330.2887	325.5347	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	12,603	381.8871	376.8916	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	114,600	437.2576	432.0477	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	593.1350	587.6890	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	739.4218	733.9329	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	29,358	768.6387	763.1495	0.0000	0.0000	1,000	0.00
Jun 2018	ZAUS	13.05 Put	1,250	805.7224	800.2372	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	897.1117	891.6510	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	920.4562	915.0057	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.22 Put	15,000	936.0297	930.5919	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,550	999.1453	993.7643	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	13.46 Put	5,183	1129.0099	1123.7490	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	1145.5572	1140.3116	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	1162.1702	1156.9425	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1280.1996	1275.0834	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1374.8934	1369.8651	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1418.4508	1413.4610	0.0000	0.0000	1,000	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1427.0766	1422.0941	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1444.3670	1439.3968	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1453.0314	1448.0663	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1505.2753	1500.3537	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	5,630	1593.2982	1588.4413	0.0000	0.0000	1,000	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1682.4122	1677.6183	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1817.9152	1813.2126	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	81.8280	81.3776	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	70.4332	70.0681	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	64.8903	64.5679	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.00 Call	500	55.6867	55.4369	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	50.4491	50.3964	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	48.9796	49.0110	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	45.2679	45.5073	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	41.8374	42.2644	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	36.8128	37.5026	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	34.3648	35.1756	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	33.3666	34.2252	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	25.8615	27.0454	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	18.0459	19.4732	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	14.2901	15.6557	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	13.7707	15.0990	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	12.4702	13.7033	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	12.0128	13.2116	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	10.2063	11.2658	0.0000	0.0000	500	0.00
Jun 2018	ZAUS	16.92 Call	2,415	7.2370	8.0503	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	6.5274	7.2778	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	4.9641	5.5695	0.0000	0.0000	500	0.00
Jun 2018	ZAUS	17.28 Call	5,630	4.5271	5.0899	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	3.9657	4.4722	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	73,314	168.7517	166.2499	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	5,300	545.6176	541.3002	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	569.0299	564.6342	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	692.8156	688.1571	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	969.5062	964.5317	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	320.1791	319.3408	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>	
Sep 2018	ZAUS	15.97	Call	5,300	85.0339	84.4720	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04	Call	1,550	82.5440	81.9877	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14	Call	750	79.1782	78.6285	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29	Call	73,314	74.5190	73.9778	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.96	Put	23,443	784.5959	781.2344	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.24	Call	23,443	86.0651	85.2848	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00	Call	2,000	185.4018	184.4305	0.0000	0.0000	0	0.00
				<u>2,540,939</u>					<u>4,000.00</u>	<u>0.00</u>
	<b>Total</b>			<b>3,644,920</b>					<b>28,323.00</b>	<b>302,513,004.60</b>
										43 923 761.00
										1 934 480 404 359.90

<b>Grand Total</b>	<b>6,172,623</b>							<b>40,364.00</b>	<b>432 787 234.90</b>	<b>281,013,451</b>	<b>2,665,443,603,566.10</b>
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