



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 31-October-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Nov 2017	DAEU	Future	21	16.5432	16.3967	0.0000	0.0000	0	0.00		
Nov 2017	DAEU	Future	800	16.5919	16.4447	0.0000	0.0000	0	0.00		
Dec 2017	DAEU	Future	800	16.7043	16.5565	0.0000	0.0000	0	0.00		
			<u>1,621</u>					<u>0.00</u>	<u>0.00</u>	<u>247 763.00</u>	<u>3 573 969 135.30</u>
Option											
Jan 2018	DAEU	15.80 Put	193,000	172.0037	212.3601	0.0000	0.0000	0	0.00		
			<u>193,000</u>					<u>0.00</u>	<u>0.00</u>	<u>517 422.00</u>	<u>0.00</u>
		Total	194,621					0.00	0.00	765 185.00	3 573 969 135.30
Future											
Oct 2017	DAGB	Future	0	18.7410	18.5471	0.0000	0.0000	43	805,863.00		
Dec 2017	DAGB	Future	8	18.9350	18.7091	0.0000	0.0000	0	0.00		
Jan 2018	DAGB	Future	10	19.1128	18.9150	0.0000	0.0000	10	189,352.00		
			<u>18</u>					<u>53.00</u>	<u>995,215.00</u>	<u>53 488.00</u>	<u>877 294 267.50</u>
		Total	18					53.00	995,215.00	245 601.00	877 294 267.50
Future											
Oct 2017	DAUS	Future	0	14.1490	14.0760	0.0000	0.0000	1,000	14,078,400.00		
Nov 2017	DAUS	Future	80,000	14.1827	14.0862	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	70	14.2001	14.1034	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	300	14.2074	14.1106	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	1,630	14.2098	14.1130	0.0000	0.0000	238	3,372,198.20		
Nov 2017	DAUS	Future	1,990	14.2367	14.1396	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	2,708	14.2416	14.1445	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	24	14.2514	14.1540	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	241	14.2753	14.1779	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	1,777	14.2777	14.1802	0.0000	0.0000	9	128,115.00		
Dec 2017	DAUS	Future	916	14.3064	14.2088	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	14.3255	14.2278	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	500	14.3396	14.2288	0.0000	0.0000	500	7,114,400.00		

<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>		
Jan 2018	DAUS	Future	241	14.3443	14.2464	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	14.3583	14.2604	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	70	14.3748	14.2767	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	1,564	14.3889	14.2907	0.0000	0.0000	18	257,466.00		
Feb 2018	DAUS	Future	70	14.4191	14.3208	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	70	14.5816	14.4830	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	70	14.6210	14.5223	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	100	14.7415	14.6418	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,800	14.7833	14.6832	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	70	14.7949	14.6946	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	14.8393	14.7388	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	15.0109	14.9094	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	15.0569	14.9553	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	15.2844	15.1818	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	16.6991	16.5830	0.0000	0.0000	0	0.00		
			<u>178,973</u>					<u>1,765.00</u>	<u>24,950,579.20</u>	<u>6 830 690.00</u>	<u>82 649 192 922.00</u>

Option

Nov 2017	DAUS	13.35 Put	20,000	1.2532	3.2405	0.0000	0.0000	0	0.00
Nov 2017	DAUS	13.55 Put	20,000	4.0906	9.8207	0.0000	0.0000	0	0.00
Nov 2017	DAUS	13.80 Put	20,000	15.9079	35.3481	0.0000	0.0000	0	0.00
Nov 2017	DAUS	13.70 Call	40,000	497.8558	414.2844	0.0000	0.0000	0	0.00
Nov 2017	DAUS	13.70 Put	40,000	15.1558	28.0844	0.0000	0.0000	0	0.00
Nov 2017	DAUS	13.50 Put	60	38.7154	53.3649	0.0000	0.0000	0	0.00
Nov 2017	DAUS	17.74 Call	60	1.6520	1.7548	0.0000	0.0000	0	0.00
Nov 2017	DAUS	12.75 Put	238,000	4.7679	6.5825	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.50 Put	60	116.7889	140.6871	0.0000	0.0000	0	0.00
Dec 2017	DAUS	18.02 Call	60	9.0021	7.9099	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.20 Put	2,000	82.5000	99.2691	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.76 Call	1,000	328.7724	302.6725	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.88 Call	1,000	294.2135	271.1039	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	107,000	108.8109	129.2832	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.27 Put	154,000	112.6904	133.7049	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.30 Put	40,904	118.6971	140.5388	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.40 Put	168,000	140.4004	165.1129	0.0000	0.0000	0	0.00
Feb 2018	DAUS	12.57 Put	242	37.1753	41.9732	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.04 Put	234	74.7473	89.9687	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.15 Put	3,496	91.9288	109.7910	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.22 Call	242	273.7441	256.4388	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.52 Call	2,723	214.4569	201.8181	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.79 Call	234	172.5241	162.8750	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.88 Call	773	160.3421	151.2341	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.00 Put	1,000	981.2546	1049.8849	0.0000	0.0000	0	0.00

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Apr 2018	DAUS	15.81 Call	2,000	355.9180	340.2911	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	13.80 Put	500	345.0808	378.9097	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.66 Call	500	398.4377	380.3373	0.0000	0.0000	0	0.00		
May 2018	DAUS	13.80 Put	500	368.9421	402.1282	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.89 Call	500	422.0313	403.4763	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	13.80 Put	500	389.9757	423.2771	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	16.10 Call	500	443.9543	425.0489	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	500	409.3010	442.2870	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	467.1553	446.2576	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	500	427.4868	460.3508	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	481.2678	460.9433	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	500	441.6916	474.1745	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	492.3112	472.1555	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	500	455.9561	488.7245	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	514.4228	494.1499	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	500	472.2223	504.9480	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	530.2368	510.6855	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	500	485.8560	518.9641	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	549.8750	531.3864	0.0000	0.0000	0	0.00		
			<u>872,088</u>					<i>0.00</i>	<i>0.00</i>		
			Total	1,051,061				1,765.00	24,950,579.20	21 196 839.00	82 649 192 922.00
Future											
Dec 2017	EUUS	Future	126	1.1669	1.1645	0.0000	0.0000	0	0.00		
			<u>126</u>					<i>0.00</i>	<i>0.00</i>	<i>648 684.00</i>	<i>7 288 346 463.00</i>
			Total	126				0.00	0.00	648 684.00	7 288 346 463.00
Future											
Dec 2017	ZAAD	Future	16,036	10.9182	10.8711	0.0000	0.0000	0	0.00		
Mar 2018	ZAAD	Future	750	11.0740	11.0264	11.0757	11.0757	250	2,768,925.00		
Jun 2018	ZAAD	Future	1,899	11.2301	11.1817	11.2328	11.2327	400	4,493,105.00		
			<u>18,685</u>					<i>650.00</i>	<i>7,262,030.00</i>	<i>3 388 639.00</i>	<i>29 016 380 765.40</i>
			Total	18,685				650.00	7,262,030.00	3 421 016.00	29 016 380 765.40
Future											
Dec 2017	ZACA	Future	350	11.0914	11.0453	0.0000	0.0000	0	0.00		
			<u>350</u>					<i>0.00</i>	<i>0.00</i>	<i>101 203.00</i>	<i>970 046 312.10</i>
			Total	350				0.00	0.00	101 203.00	970 046 312.10
Future											
Dec 2017	ZAEU	Future	99,370	16.6691	16.5218	16.6733	16.5118	2,047	33,941,140.70		

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Mar 2018	ZAEU	Future	13,524	17.0119	16.8619	16.9697	16.9697	3	50,909.10	
Jun 2018	ZAEU	Future	510	17.3595	17.2067	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	Future	4,679	17.7163	17.5606	0.0000	0.0000	0	0.00	
			<u>118,083</u>					<u>2,050.00</u>	<u>33,992,049.80</u>	<u>12 724 998.00</u>
Option										<u>179 146 364 940.90</u>
Dec 2017	ZAEU	14.00 Put	18,000	6.0237	6.8927	0.0000	0.0000	0	0.00	
Dec 2017	ZAEU	16.39 Call	18,000	581.6301	505.3886	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	15.05 Put	5,648	86.2856	101.3044	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	15.10 Put	19,510	90.9839	106.8160	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	16.50 Call	643	968.9181	890.5292	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	17.00 Call	620	719.7223	661.3810	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.75 Put	54,617	27.3835	28.6520	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.25 Put	54,617	156.7026	180.8425	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	54,617	226.8415	213.9902	0.0000	0.0000	0	0.00	
			<u>226,272</u>					<u>0.00</u>	<u>0.00</u>	<u>5 583 922.00</u>
	Total		344,355					2,050.00	33,992,049.80	18 308 920.00
										179 146 364 940.90
Future										
Dec 2017	ZAFR	Future	1,502	14.3665	14.2467	0.0000	0.0000	0	0.00	
			<u>1,502</u>					<u>0.00</u>	<u>0.00</u>	<u>598 103.00</u>
	Total		1,502					0.00	0.00	598 103.00
										6 357 013 656.60
Future										
Dec 2017	ZAGB	Future	203,450	18.9467	18.7207	18.9600	18.7000	3,460	65,217,161.10	
Mar 2018	ZAGB	Future	1,691	19.2853	19.0560	0.0000	0.0000	0	0.00	
Jun 2018	ZAGB	Future	3,383	19.6217	19.3889	0.0000	0.0000	0	0.00	
Sep 2018	ZAGB	Future	3,565	19.9616	19.7241	0.0000	0.0000	0	0.00	
			<u>212,089</u>					<u>3,460.00</u>	<u>65,217,161.10</u>	<u>9 208 404.00</u>
Option										<u>153 276 276 991.50</u>
Dec 2017	ZAGB	18.20 Call	400	946.6102	796.9348	0.0000	0.0000	0	0.00	
Dec 2017	ZAGB	19.80 Call	800	229.1852	188.6913	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	17.00 Put	500	130.0399	158.2364	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	20.14 Call	500	560.6309	496.6562	0.0000	0.0000	0	0.00	
			<u>2,200</u>					<u>0.00</u>	<u>0.00</u>	<u>1 770 013.00</u>
	Total		214,289					3,460.00	65,217,161.10	10 978 417.00
										153 276 276 991.50
Future										
Dec 2017	ZAJY	Future	225	0.1262	0.1254	0.0000	0.0000	0	0.00	
			<u>225</u>					<u>0.00</u>	<u>0.00</u>	<u>952 800.00</u>
	Total		225					0.00	0.00	952 800.00
										10 617 056 977.80

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Future											
Jun 2018	ZAKS	Future	1,145	0.1355	0.1355	0.0000	0.0000	0	0.00		
			<u>1,145</u>					<u>0.00</u>	<u>0.00</u>	<u>30 799.00</u>	<u>417 691 770.00</u>
		Total	1,145					0.00	0.00	30 799.00	417 691 770.00
Future											
Dec 2017	ZATR	Future	4,775	3.6997	3.6955	0.0000	0.0000	0	0.00		
			<u>4,775</u>					<u>0.00</u>	<u>0.00</u>	<u>232 443.00</u>	<u>840 432 591.50</u>
		Total	4,775					0.00	0.00	232 443.00	840 432 591.50
Future											
Dec 2017	ZAUM	Future	712	14.2849	14.1874	14.2972	14.1592	77	109,589,100.00		
Mar 2018	ZAUM	Future	27	14.4980	14.3996	14.3738	14.3738	1	1,437,380.00		
Jun 2018	ZAUM	Future	9	14.7091	14.6096	0.0000	0.0000	0	0.00		
			<u>748</u>					<u>78.00</u>	<u>111,026,480.00</u>	<u>143 507.00</u>	<u>164 464 936 480.00</u>
		Total	748					78.00	111,026,480.00	148 030.00	164 464 936 480.00
Future											
Dec 2017	ZAUS	Future	1,019,109	14.2849	14.1874	14.2972	14.1289	83,245	1,181,142,526.40		
Mar 2018	ZAUS	Future	173,889	14.4980	14.3996	14.4579	14.3679	446	6,407,092.60		
Jun 2018	ZAUS	Future	109,742	14.7091	14.6096	14.6666	14.6300	1,202	17,674,545.20		
Sep 2018	ZAUS	Future	2,767	14.9216	14.8206	14.7916	14.7745	20	295,661.00		
Sep 2020	ZAUS	Future	184,000	16.8361	16.7179	0.0000	0.0000	0	0.00		
			<u>1,489,507</u>					<u>84,913.00</u>	<u>1,205,519,825.20</u>	<u>157 385 895.00</u>	<u>1 841 275 478 716.60</u>
Option											
Dec 2017	ZAUS	11.75 Put	1,000	3.9004	4.5086	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.00 Put	20,141	5.4118	6.3852	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.16 Put	550	6.7082	8.0164	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.20 Put	4,000	7.0830	8.4913	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.21 Put	18,000	7.1804	8.6146	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.40 Put	114,600	9.3403	11.3697	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.50 Put	16,416	10.7594	13.1937	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.56 Put	7,100	11.7255	14.4398	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.65 Put	1,819	13.3605	16.5567	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.75 Put	10,000	15.4831	19.3147	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.76 Put	550	15.7154	19.6174	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.00 Put	10,000	28.5468	37.7220	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.10 Put	41,000	37.9784	49.4058	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.12 Put	40,000	40.1279	52.0448	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.15 Put	2,600	43.5288	56.2025	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.18 Put	16,000	47.1499	60.6080	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.20 Call	7,000	1134.5894	1051.0864	0.0000	0.0000	0	0.00		

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Dec 2017	ZAUS	13.20 Put	6,728	49.6894	63.6864	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.21 Put	5,000	50.9980	65.2696	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.22 Put	7,100	52.3328	66.8822	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.25 Call	16,141	1091.3979	1009.2978	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.35 Put	52,000	72.2167	90.6457	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.40 Put	114,600	81.2024	101.2531	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.50 Call	11,016	886.5020	812.4923	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.60 Call	4,000	810.3641	741.2752	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Call	3,750	697.9842	635.8007	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Put	3,000	173.0842	208.4007	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.80 Put	550	186.6061	223.6982	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.93 Call	7,100	590.0422	535.4672	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Call	19,000	549.1075	497.6781	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Put	33,000	264.2075	310.2781	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.27 Put	40,000	395.4313	454.5037	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.40 Call	2,000	355.8907	323.0874	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Call	7,000	318.7808	289.5698	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Put	2,055	533.8808	602.1698	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.63 Call	10,000	275.7492	250.8094	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.90 Call	1,500	203.0423	185.5258	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	5,580	181.0806	165.4418	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	159.1854	145.7942	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.12 Call	40,000	157.3251	144.1266	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.50 Call	25,457	100.4804	93.0951	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.60 Call	10,000	89.2905	83.0243	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	16.00 Call	117,200	53.0086	49.3425	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.13 Call	18,000	10.2873	11.4961	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	9.5678	10.6170	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	7.1041	6.3944	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	225,000	23.9536	27.2720	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.36 Put	20,880	42.1632	47.4620	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	44.7810	50.3500	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.50 Put	26,000	51.9439	58.2372	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.57 Put	3,000	57.5217	64.3641	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.94 Put	5,000	96.1596	106.5877	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	94,964	104.1058	117.0645	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.22 Put	15,000	144.2018	163.5670	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	2,478	150.6954	170.7830	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	181.2423	204.5931	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	2,500	186.2985	210.1709	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Call	15,000	1211.0373	1139.1909	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Put	17,000	213.0373	239.5909	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	13.60 Put	3,000	242.2776	271.6169	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.74 Put	20,880	287.5351	321.9102	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.76 Call	4,000	1032.4176	969.4901	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.91 Put	7,000	352.2582	393.3870	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.05 Put	500	412.8786	458.3928	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.18 Put	41,000	474.0626	523.6056	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.45 Call	17,000	663.7120	623.2927	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.49 Put	80,000	638.3093	697.7409	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Put	400	644.0224	703.8136	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.75 Call	20,880	545.0976	512.7998	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.86 Call	15,000	507.0217	477.2860	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.90 Call	5,000	493.8254	464.9875	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	8,395	490.5818	461.9629	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.95 Call	3,000	477.8052	450.0612	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.00 Call	5,626	462.2978	435.6189	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	429.9202	405.5088	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.26 Call	2,500	389.4404	368.2009	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	341.8950	324.0299	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	65,000	333.1409	315.9008	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.75 Call	15,000	283.5943	269.8898	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.00 Call	3,276	241.4640	229.7045	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.16 Call	225,000	216.9164	206.8030	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	750	11.4515	11.7327	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	32,782	15.6339	16.1516	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	137,000	30.8804	34.6082	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	12,603	64.0026	71.4626	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	32,782	110.5473	122.7678	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	148.1417	163.8847	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	13,658	156.2070	172.6760	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	166.7178	184.1146	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	193.9139	213.5294	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.22 Put	15,000	206.0869	226.4234	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	50	226.3155	248.1200	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	270.2693	295.5433	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	276.1358	301.8559	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	326.0661	355.4662	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.70 Put	184,000	346.1908	377.0127	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	392.4484	426.4019	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	396.1590	430.3557	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	6,130	459.8760	500.8945	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	504.5933	548.1404	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	824.1175	783.0680	0.0000	0.0000	0	0.00

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Jun 2018	ZAUS	14.81 Call	500	784.2428	745.2866	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.11 Call	760	675.7597	642.6988	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.14 Call	2,700	665.7826	633.2777	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.43 Call	15,000	576.8408	549.7506	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.53 Call	965	549.5416	524.1109	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.16 Call	5,183	407.6911	389.2947	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.38 Call	750	365.7631	349.8037	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.41 Call	300	360.4173	344.7653	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.49 Call	7,420	346.5677	331.7260	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.52 Call	32,782	341.5265	326.9786	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.00 Call	500	270.9415	260.5070	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.21 Call	500	245.3297	236.3823	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.28 Call	5,630	237.4142	228.9220	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.38 Call	7,028	226.6064	218.7332	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.00 Put	750	19.2467	19.4303	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.61 Put	5,300	104.3323	117.0538	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.65 Put	1,550	111.3425	124.7903	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.85 Put	750	151.1653	168.5326	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.65 Call	1,464	1654.3575	1582.9545	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.73 Put	2,500	410.2519	441.4478	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	15.97 Call	5,300	648.1730	621.0682	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.04 Call	1,550	630.8751	604.6177	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.14 Call	750	607.0897	581.9930	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	17.02 Call	2,500	432.1722	414.7693	0.0000	0.0000	0	0.00		
			<u>2,523,267</u>					<u>0.00</u>	<u>0.00</u>	<u>39 112 163.00</u>	<u>0.00</u>
	Total		4,012,774					84,913.00	1,205,519,825.20	196 498 058.00	1 841 275 478 716.60
Grand Total			5,844,674					92,969.00	1 448 963 340.30	262,650,555	2,525,508,539,166.20