



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 23-August-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
Aug 2017	DAEU	Future	800	15.6170	15.5550	0.0000	0.0000	0	0.00
Sep 2017	DAEU	Future	800	15.7153	15.6516	0.0000	0.0000	0	0.00
Oct 2017	DAEU	Future	800	15.8145	15.7511	0.0000	0.0000	0	0.00
Nov 2017	DAEU	Future	800	15.9174	15.8539	0.0000	0.0000	0	0.00
Dec 2017	DAEU	Future	800	16.0125	15.9483	0.0000	0.0000	0	0.00
			<u>4,000</u>					<u>0.00</u>	<u>0.00</u>
									<u>210 162.00</u>
									<u>2 972 759 963.30</u>
<b>Option</b>									
Jan 2018	DAEU	15.80 Put	193,000	477.8083	513.4015	0.0000	0.0000	0	0.00
			<u>193,000</u>					<u>0.00</u>	<u>0.00</u>
									<u>505 826.00</u>
									<u>0.00</u>
		<b>Total</b>	<b>197,000</b>					<b>0.00</b>	<b>0.00</b>
									<u>715 988.00</u>
									<u>2 972 759 963.30</u>
<b>Future</b>									
Oct 2017	DAGB	Future	43	17.1252	17.1756	0.0000	0.0000	0	0.00
			<u>43</u>					<u>0.00</u>	<u>0.00</u>
									<u>53 384.00</u>
		<b>Total</b>	<b>43</b>					<b>0.00</b>	<b>0.00</b>
									<u>244 497.00</u>
									<u>875 373 726.50</u>
<b>Future</b>									
Aug 2017	DAUS	Future	20,000	13.2147	13.2122	0.0000	0.0000	0	0.00
Aug 2017	DAUS	Future	910	13.2212	13.2209	0.0000	0.0000	0	0.00
Aug 2017	DAUS	Future	202	13.2234	13.2231	0.0000	0.0000	0	0.00
Aug 2017	DAUS	Future	6,325	13.2256	13.2253	0.0000	0.0000	0	0.00
Sep 2017	DAUS	Future	75	13.2366	13.2360	0.0000	0.0000	0	0.00
Sep 2017	DAUS	Future	75	13.2824	13.2810	0.0000	0.0000	0	0.00
Sep 2017	DAUS	Future	1,289	13.2845	13.2831	0.0000	0.0000	0	0.00
Sep 2017	DAUS	Future	2,530	13.2886	13.2873	0.0000	0.0000	0	0.00
Oct 2017	DAUS	Future	90	13.3174	13.3165	0.0000	0.0000	0	0.00
Oct 2017	DAUS	Future	834	13.3380	13.3373	0.0000	0.0000	500	6,692,500.00
Oct 2017	DAUS	Future	913	13.3461	13.3454	0.0000	0.0000	0	0.00
Nov 2017	DAUS	Future	70	13.3804	13.3797	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>
Nov 2017	DAUS	Future	1,990	13.4107	13.4100	0.0000	0.0000	0	0.00
Nov 2017	DAUS	Future	2,708	13.4148	13.4141	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	1,750	13.4455	13.4446	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	916	13.4700	13.4691	0.0000	0.0000	0	0.00
Feb 2018	DAUS	Future	70	13.5683	13.5669	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	70	13.7423	13.7400	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	255	13.8447	13.8421	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.9271	13.9243	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	14.1164	14.1118	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	14.3074	14.3004	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.5410	15.5207	0.0000	0.0000	0	0.00
			<u>125,282</u>					<u>500.00</u>	<u>6,692,500.00</u>
									<u>6 213 282.00</u>
									<u>74 127 897 209.10</u>
<b>Option</b>									
Aug 2017	DAUS	13.10 Put	60,000	16.8391	28.2381	0.0000	0.0000	0	0.00
Aug 2017	DAUS	13.40 Call	40,000	11.8714	20.1939	0.0000	0.0000	0	0.00
Aug 2017	DAUS	13.46 Put	20,000	252.8523	261.6884	0.0000	0.0000	0	0.00
Aug 2017	DAUS	13.50 Put	60	296.4269	300.4602	0.0000	0.0000	0	0.00
Aug 2017	DAUS	16.84 Call	60	0.2896	0.2439	0.0000	0.0000	0	0.00
Sep 2017	DAUS	12.75 Put	20,000	8.4748	11.3209	0.0000	0.0000	0	0.00
Sep 2017	DAUS	13.00 Put	20,000	35.7814	42.6892	0.0000	0.0000	0	0.00
Sep 2017	DAUS	13.45 Call	20,000	38.6203	0.0000	0.0000	0.0000	20,000	0.00
Sep 2017	DAUS	12.45 Put	500	2.7839	3.7281	0.0000	0.0000	0	0.00
Sep 2017	DAUS	13.50 Put	60	366.7492	378.0563	0.0000	0.0000	0	0.00
Sep 2017	DAUS	17.13 Call	60	1.0519	1.1192	0.0000	0.0000	0	0.00
Oct 2017	DAUS	14.00 Call	500	124.1643	0.0000	0.0000	0.0000	500	0.00
Oct 2017	DAUS	12.92 Put	1,000	142.7780	153.0371	0.0000	0.0000	0	0.00
Oct 2017	DAUS	13.50 Put	60	423.2641	434.7035	0.0000	0.0000	0	0.00
Oct 2017	DAUS	14.10 Call	1,000	120.7414	129.0034	0.0000	0.0000	0	0.00
Oct 2017	DAUS	17.45 Call	60	2.5069	1.8802	0.0000	0.0000	0	0.00
Nov 2017	DAUS	13.50 Put	60	476.2667	484.5867	0.0000	0.0000	0	0.00
Nov 2017	DAUS	17.74 Call	60	2.7126	2.5867	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.50 Put	60	513.7633	522.8273	0.0000	0.0000	0	0.00
Dec 2017	DAUS	18.02 Call	60	9.3955	12.2559	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.20 Put	2,000	375.1853	384.9033	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.76 Call	1,000	200.0727	206.1867	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.88 Call	1,000	182.7202	188.5862	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	107,000	426.1846	436.6119	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.27 Put	154,000	436.1038	446.5256	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.30 Put	40,904	451.2078	461.6220	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.40 Put	168,000	503.5009	513.8475	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.15 Put	2,723	379.7451	390.1925	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Feb 2018	DAUS	15.52 Call	2,723	148.1024	153.2519	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.00 Put	1,000	1667.9824	1678.8114	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.81 Call	2,000	247.9623	255.4520	0.0000	0.0000	0	0.00
			665,950					20,500.00	0.00
		<b>Total</b>	<b>791,232</b>					<b>21,000.00</b>	<b>6,692,500.00</b>
									13 411 915.00
									74 127 897 209.10
									0.00
<b>Future</b>									
Sep 2017	EUUS	Future	17	1.1822	1.1777	0.0000	0.0000	0	0.00
			17					0.00	0.00
		<b>Total</b>	<b>17</b>					<b>0.00</b>	<b>0.00</b>
									617 318.00
									6 912 971 128.00
<b>Future</b>									
Sep 2017	ZAAD	Future	25,771	10.4774	10.5084	10.5190	10.4741	250	2,626,786.60
Dec 2017	ZAAD	Future	6,910	10.6114	10.6436	10.6300	10.6300	20	212,600.00
Jun 2018	ZAAD	Future	1,500	10.8750	10.9074	0.0000	0.0000	0	0.00
			34,181					270.00	2,839,386.60
		<b>Total</b>	<b>34,181</b>					<b>270.00</b>	<b>2,839,386.60</b>
									3 304 900.00
									28 129 848 871.30
<b>Future</b>									
Sep 2017	ZACA	Future	970	10.5652	10.5803	0.0000	0.0000	0	0.00
Dec 2017	ZACA	Future	1,250	10.7235	10.7384	0.0000	0.0000	0	0.00
			2,220					0.00	0.00
		<b>Total</b>	<b>2,220</b>					<b>0.00</b>	<b>0.00</b>
									97 633.00
									931 481 172.10
<b>Future</b>									
Sep 2017	ZACR	Future	10	1.9892	1.9884	0.0000	0.0000	0	0.00
			10					0.00	0.00
		<b>Total</b>	<b>10</b>					<b>0.00</b>	<b>0.00</b>
									109 814.00
									2 503 859 606.00
<b>Future</b>									
Sep 2017	ZAEU	Future	110,097	15.6824	15.6210	15.7469	15.7005	3,739	58,714,766.50
Dec 2017	ZAEU	Future	33,563	15.9830	15.9190	16.0265	16.0030	220	3,524,400.00
Mar 2018	ZAEU	Future	10,307	16.2888	16.2225	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	Future	1	16.5914	16.5238	0.0000	0.0000	0	0.00
			153,968					3,959.00	62,239,166.50
		<b>Total</b>							12 127 204.00
									169 652 379 377.00
<b>Option</b>									
Sep 2017	ZAEU	15.10 Put	16,000	31.1361	45.7233	0.0000	0.0000	0	0.00
Dec 2017	ZAEU	14.00 Put	18,000	29.2929	31.4137	0.0000	0.0000	0	0.00
Dec 2017	ZAEU	16.39 Call	18,000	391.8006	374.3089	0.0000	0.0000	0	0.00
Mar 2018	ZAEU	15.05 Put	5,648	235.5364	257.8357	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Mar 2018	ZAEU	15.10 Put	19,510	249.2602	272.1626	0.0000	0.0000	0	0.00	
			<u>77,158</u>					0.00	0.00	5 307 974.00
		<b>Total</b>	<b>231,126</b>					<b>3,959.00</b>	<b>62,239,166.50</b>	17 435 178.00
										169 652 379 377.00
<b>Future</b>										
Sep 2017	ZAFR	Future	3,508	13.7542	13.7238	13.7619	13.7619	100	1,376,190.00	
Dec 2017	ZAFR	Future	1,150	14.0326	13.9995	0.0000	0.0000	0	0.00	
			<u>4,658</u>					100.00	1,376,190.00	587 046.00
		<b>Total</b>	<b>4,658</b>					<b>100.00</b>	<b>1,376,190.00</b>	6 203 356 898.40
										6 203 356 898.40
<b>Future</b>										
Sep 2017	ZAGB	Future	192,322	16.9841	17.0349	17.0203	17.0203	1,516	25,865,480.00	
Dec 2017	ZAGB	Future	8,251	17.2760	17.3267	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	Future	420	17.5683	17.6200	0.0000	0.0000	0	0.00	
Jun 2018	ZAGB	Future	3,033	17.8551	17.9070	0.0000	0.0000	0	0.00	
Sep 2018	ZAGB	Future	1,654	18.1428	18.1961	0.0000	0.0000	0	0.00	
			<u>205,680</u>					1,516.00	25,865,480.00	8 602 650.00
										142 563 402 194.30
<b>Option</b>										
Sep 2017	ZAGB	16.70 Call	700	419.8446	467.0521	0.0000	0.0000	0	0.00	
Sep 2017	ZAGB	18.50 Call	300	12.7110	15.8255	0.0000	0.0000	0	0.00	
			<u>1,000</u>					0.00	0.00	1 767 013.00
		<b>Total</b>	<b>206,680</b>					<b>1,516.00</b>	<b>25,865,480.00</b>	10 369 663.00
										142 563 402 194.30
<b>Future</b>										
Sep 2017	ZAJY	Future	84	0.1217	0.1214	0.0000	0.0000	0	0.00	
Dec 2017	ZAJY	Future	115	0.1240	0.1236	0.0000	0.0000	0	0.00	
			<u>199</u>					0.00	0.00	952 496.00
		<b>Total</b>	<b>199</b>					<b>0.00</b>	<b>0.00</b>	10 613 422 776.50
										10 613 422 776.50
<b>Future</b>										
Sep 2017	ZAKS	Future	1,382	0.1280	0.1281	0.0000	0.0000	0	0.00	
Jun 2018	ZAKS	Future	1,145	0.1264	0.1270	0.0000	0.0000	0	0.00	
			<u>2,527</u>					0.00	0.00	29 417.00
		<b>Total</b>	<b>2,527</b>					<b>0.00</b>	<b>0.00</b>	400 402 950.00
										400 402 950.00
<b>Future</b>										
Sep 2017	ZAUM	Future	516	13.2650	13.2639	13.3031	13.2816	27	35,889,820.00	
Dec 2017	ZAUM	Future	154	13.4516	13.4508	13.4862	13.4862	5	6,743,100.00	
Mar 2018	ZAUM	Future	6	13.6367	13.6350	0.0000	0.0000	0	0.00	
Jun 2018	ZAUM	Future	172	13.8173	13.8147	0.0000	0.0000	0	0.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
			848					32.00	42,632,920.00	140 474.00	160 404 352 350.00
	<b>Total</b>		<b>848</b>					<b>32.00</b>	<b>42,632,920.00</b>	144 997.00	160 404 352 350.00
<b>Future</b>											
Sep 2017	ZAUS	Future	757,558	13.2650	13.2639	13.3306	13.2765	53,852	716,583,519.10		
Dec 2017	ZAUS	Future	130,476	13.4516	13.4508	13.4850	13.4800	2,000	26,976,140.00		
Mar 2018	ZAUS	Future	87,782	13.6367	13.6350	13.6844	13.6586	1,908	26,068,405.20		
Jun 2018	ZAUS	Future	101,641	13.8173	13.8147	0.0000	0.0000	760	10,512,970.00		
Sep 2018	ZAUS	Future	400	13.9981	13.9950	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	Future	2,500	14.3759	14.3680	0.0000	0.0000	0	0.00		
Sep 2020	ZAUS	Future	184,000	15.6593	15.6378	0.0000	0.0000	0	0.00		
			1,264,357					58,520.00	780,141,034.30	151 015 143.00	1 755 341 224 685.60
<b>Option</b>											
Sep 2017	ZAUS	12.00 Put	37,202	2.3670	3.0861	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	12.20 Put	1,000	3.8385	5.1673	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	12.25 Put	10,000	4.3591	5.9054	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	12.26 Put	5,250	4.4728	6.0668	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	12.50 Put	96,184	8.5939	11.8626	0.0000	0.0000	41	0.00		
Sep 2017	ZAUS	12.54 Put	1,000	9.6485	13.3261	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	12.55 Put	4,920	9.9351	13.7221	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	12.60 Put	190	11.5446	15.9284	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	12.75 Call	3,500	541.7027	547.4495	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	12.75 Put	26,250	26.7027	33.5495	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	12.80 Put	3,000	34.2284	41.9195	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	12.90 Call	400	418.9254	427.1079	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	12.96 Put	1,000	69.0931	79.2079	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.00 Call	4,551	345.7282	355.2271	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.00 Put	38,100	80.7282	91.3271	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.14 Put	90	131.7169	143.4435	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.15 Put	500	135.9892	147.7609	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.20 Call	3,000	223.6345	234.4482	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.20 Put	5,920	158.6345	170.5482	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.25 Put	25,250	183.4042	195.3362	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.35 Put	2,600	242.5101	254.2476	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.40 Call	100	139.9603	150.3519	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.40 Put	3,500	274.9603	286.4519	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.42 Call	1,000	133.4422	143.7132	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.45 Call	4,375	124.1759	134.2433	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.45 Put	3,500	309.1759	320.3433	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.48 Call	111	115.4982	125.3406	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.50 Call	5,980	110.0251	119.7066	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 2017	ZAUS	13.63 Put	186,712	444.9521	454.5350	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.65 Call	1,000	76.0842	84.3687	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.75 Put	20,000	544.3138	552.6891	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.76 Put	960	552.8517	561.1264	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.80 Call	10,000	52.3489	59.1233	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.81 Call	4,920	51.0563	57.7328	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.90 Call	1,000	40.7722	46.5851	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.94 Call	1,250	36.2942	42.0147	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.00 Call	3,000	30.4002	35.9408	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.20 Call	90	16.5359	21.2084	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.22 Put	110	970.5379	976.2099	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.32 Put	110	1066.3442	1071.5030	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.33 Call	3,000	10.9897	14.9969	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.47 Put	150	1212.0145	1216.4137	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.50 Call	17,402	6.3645	9.5189	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.55 Call	1,084	5.4083	8.3281	0.0000	0.0000	41	0.00
Sep 2017	ZAUS	14.72 Call	20,000	3.4570	5.4503	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.74 Call	4,375	3.3007	5.1955	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	15.00 Call	10,600	1.8566	2.8300	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.00 Call	3,680	0.3944	0.4723	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.40 Call	960	0.5207	0.6065	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.50 Call	10,000	0.5561	0.6441	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.80 Call	110	0.6727	0.7671	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	17.00 Call	150	0.7593	0.8582	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	17.03 Call	110	0.7729	0.8726	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	18.00 Call	3,099	0.1690	0.1952	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	11.75 Put	1,000	26.1142	29.2042	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.00 Put	16,141	38.0466	42.4676	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.21 Put	18,000	57.5613	63.2869	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.40 Put	114,600	87.4838	94.2736	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.50 Put	11,916	107.1804	114.4657	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.65 Put	1,819	142.3999	150.3058	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.00 Put	10,000	258.2571	267.1603	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.10 Put	41,000	300.5442	309.5892	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.12 Put	40,000	309.4459	318.5107	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.18 Put	16,000	337.0461	346.1481	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.21 Put	5,000	351.3401	360.4499	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.25 Call	16,141	572.5097	580.8179	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.35 Put	52,000	422.3381	431.3916	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.40 Put	114,600	449.3701	458.3684	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.50 Call	10,516	458.4164	466.5120	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 2017	ZAUS	13.80 Call	1,000	352.2066	359.8434	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Put	33,000	843.7299	851.6748	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.40 Call	1,000	208.0384	214.3295	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Put	2,055	1239.1959	1246.0719	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.63 Call	10,000	170.6600	176.4501	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	4,580	123.5621	128.5590	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	112.0637	116.8369	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.12 Call	40,000	111.0772	115.8295	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.50 Call	25,457	79.7263	83.7342	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	16.00 Call	117,200	52.3845	55.5327	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.13 Call	18,000	17.4122	22.7263	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	15.6090	20.9412	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	5.9328	9.0735	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	225,000	92.0656	98.8381	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	164.8320	174.8655	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.50 Put	36,000	190.0265	200.4541	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	103,187	355.5086	367.0311	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	5,600	469.4093	481.2043	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	535.3574	547.1477	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	2,500	545.8945	557.6762	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.91 Put	7,000	849.0106	860.2891	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.18 Put	41,000	1033.2212	1044.0516	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	8,395	322.0668	329.7215	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	286.9038	294.1901	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.26 Call	2,500	262.3838	269.4321	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	233.1775	239.8914	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	55,000	227.7781	234.4211	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.75 Call	15,000	197.0137	203.2297	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.00 Call	750	170.8472	176.6423	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.16 Call	225,000	156.1855	161.7158	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	750	15.7018	16.5380	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	401.4634	416.0818	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	760	417.0945	431.7474	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	750	437.1337	451.8225	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	732.4452	747.6612	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.70 Put	184,000	766.8769	782.0708	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	459.6052	470.6250	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	453.5954	464.5562	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	260.7164	269.8942	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.00 Put	750	19.8563	26.1191	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	412.5488	428.1165	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	16.14 Call	750	437.2494	449.3375	0.0000	0.0000	0	0.00		
			<u>2,354,574</u>					82.00	0.00	36 937 611.00	0.00
		<b>Total</b>	<b>3,618,931</b>					<b>58,602.00</b>	<b>780,141,034.30</b>	187 952 754.00	1 755 341 224 685.60
<b>Grand Total</b>			<b>5,089,672</b>					<b>85,479.00</b>	<b>921 786 677.40</b>	<b>250,679,511</b>	<b>2,404,169,624,805.60</b>