



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 28-September-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	644.4472	641.9947	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>25 000.00</u>	<u>7 830 750.00</u>
		Total	25,000					0.00	0.00	25 000.00	7 830 750.00
Future											
Oct 2018	DAEU	Future	34	16.4676	16.4677	0.0000	0.0000	0	0.00		
			<u>34</u>					<u>0.00</u>	<u>0.00</u>	<u>801 328.00</u>	<u>11 965 949 271.80</u>
Option											
Aug 2019	DAEU	16.03 Put	31,200	355.0584	364.8547	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	20,000	424.2814	434.3198	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	31,200	756.6288	767.6682	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	549.5938	561.4072	0.0000	0.0000	0	0.00		
			<u>144,800</u>					<u>0.00</u>	<u>0.00</u>	<u>1 308 187.00</u>	<u>0.00</u>
		Total	144,834					0.00	0.00	2 109 515.00	11 965 949 271.80
Future											
Sep 2018	DAGB	Future	0	261.2594	18.4561	0.0000	0.0000	14	3,657,631.60		
Oct 2018	DAGB	Future	48	18.4827	18.4904	0.0000	0.0000	0	0.00		
			<u>48</u>					<u>14.00</u>	<u>3,657,631.60</u>	<u>53 845.00</u>	<u>887 015 713.40</u>
		Total	48					14.00	3,657,631.60	261 158.00	887 015 713.40
Future											
Sep 2018	DAUS	Future	0	14.1720	14.0589	0.0000	0.0000	2,454	34,778,088.00		
Oct 2018	DAUS	Future	55	14.1501	14.0546	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	189	14.1502	14.0565	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	4,041	14.1711	14.0790	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	14.1750	14.0827	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.1906	14.0973	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.1984	14.1047	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,500	14.2003	14.1065	0.0000	0.0000	0	0.00		

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Oct 2018	DAUS	Future	4,669	14.2023	14.1083	0.0000	0.0000	810	11,502,720.00
Nov 2018	DAUS	Future	55	14.2042	14.1102	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	14.2268	14.1325	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	24	14.2306	14.1362	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	120	14.2325	14.1380	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	179	14.2437	14.1492	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	461	14.2569	14.1622	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	5,424	14.2588	14.1640	0.0000	0.0000	300	4,295,100.00
Dec 2018	DAUS	Future	3,672	14.2815	14.1865	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	3,714	14.3176	14.2222	0.0000	0.0000	300	4,314,510.00
Jan 2019	DAUS	Future	55	14.3214	14.2259	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.3734	14.2771	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,420	14.3753	14.2790	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	14.3995	14.3027	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	5,787	14.4273	14.3302	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,731	14.4775	14.3795	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,029	14.4812	14.3832	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.4887	14.3905	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	14.5400	14.4416	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	14.5968	14.4982	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.6536	14.5548	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.7110	14.6125	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.7703	14.6721	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.8258	14.7281	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.8836	14.7857	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.9473	14.8492	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.0090	14.9108	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.0667	14.9684	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.1284	15.0300	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.1902	15.0915	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.2439	15.1452	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.3116	15.2127	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.4231	15.3239	0.0000	0.0000	0	0.00
			<u>126,900</u>					<u>3,864.00</u>	<u>54,890,418.00</u>
									<u>10 709 875.00</u>
									<u>131 085 558 478.00</u>
Option									
Oct 2018	DAUS	14.88 Put	314	743.9203	833.5957	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.96 Call	314	28.2155	26.5508	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	11.3697	16.4244	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	337.5907	291.7877	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	11.0574	16.9147	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	116.2533	152.7585	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	434.3575	383.9577	0.0000	0.0000	0	0.00

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Oct 2018	DAUS	13.97 Put	600	178.1217	223.8784	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	317.5835	380.7640	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.45 Call	600	199.0911	177.5806	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	141.4544	127.7365	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.82 Put	114	729.5573	813.6777	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.90 Call	600	98.6957	90.0422	0.0000	0.0000	0	0.00
Oct 2018	DAUS	15.01 Call	114	82.3872	75.8923	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	5.8716	5.7126	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	2.0120	2.3927	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	0.7700	1.6524	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	151.7172	192.2205	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	4.5935	4.4392	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.2850	0.5580	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	1.6852	2.8282	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1048.4886	969.9971	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	10,000	244.4815	293.0729	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	202.1368	185.1357	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	197.3420	180.8634	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	164.8668	151.7093	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	822.3668	903.7093	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	184.7360	170.0643	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	256.8938	235.6926	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.31 Call	10,000	118.5789	111.5278	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	28.6173	38.4044	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	198.7236	239.6871	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	217.7961	0.0000	0.0000	0.0000	600	0.00
Nov 2018	DAUS	14.08 Call	500	498.0011	455.0260	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	408.2416	468.4697	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	396.3823	0.0000	0.0000	0.0000	600	0.00
Nov 2018	DAUS	14.80 Call	600	236.9824	0.0000	0.0000	0.0000	600	0.00
Nov 2018	DAUS	14.82 Call	250	232.1448	214.9433	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	31.6909	31.9218	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	16.1899	16.5201	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1315.4098	1404.0336	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	250.8164	296.1734	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	450.6441	512.4219	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	864.1009	943.3285	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	1187.8852	1274.3202	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	167.2795	203.4707	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	243.7375	288.0977	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	211.5844	198.9611	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	119.9602	115.2378	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	13.90 Put	35,000	278.4144	324.7948	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	478.3661	540.2083	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	884.0759	962.5852	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	1201.2482	1287.2545	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	77.6501	97.5472	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	96.0144	119.0233	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	350.3097	327.8084	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	323.8773	303.6642	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	56.9241	72.3954	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	254.5124	297.6985	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	548.6820	510.9359	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	467.4403	526.5576	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	940.9466	1020.0463	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	62.5841	63.6592	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	37.6895	40.7192	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	42.0977	52.1361	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	83.0798	102.2151	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	517.0233	574.8765	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	586.2878	552.0348	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	349.9115	332.7555	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	105.9335	127.6324	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	553.5417	611.0105	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	618.3897	585.7965	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	392.1491	374.7406	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	50,000	455.3578	506.3813	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	130.4813	152.8716	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	586.2460	643.5484	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	647.0258	615.9283	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	428.1025	410.8349	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	152.9437	177.7558	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1334.4461	1273.8775	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	617.5512	675.5501	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	674.6180	646.3283	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	463.9722	447.9269	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	172.4895	201.3354	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	644.9833	703.7695	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	698.7166	673.0371	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	495.2926	480.3080	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	936.2377	1004.3014	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	303.4976	298.9915	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	188.8792	219.9596	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	667.4008	727.2196	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	15.17 Call	500	717.9641	694.3412	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.96 Call	250	520.4810	506.4590	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	323.3108	363.2033	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	438.7082	428.1516	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	204.1137	238.0435	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	690.6038	751.0441	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	744.9147	723.0169	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	552.3310	538.3304	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	826.9044	891.7658	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	536.3696	523.4393	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	215.5401	253.2555	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	709.9768	770.8095	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	761.6329	742.0174	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	573.8254	560.6528	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	282.4701	285.3093	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	226.7500	263.9307	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	727.4266	788.6441	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	784.4434	767.0906	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	598.9714	587.6283	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	231.2705	270.3644	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	746.8088	807.2426	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	808.2741	791.2448	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	626.4059	615.7595	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	243.9319	284.3223	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	763.7626	823.2277	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	833.7810	817.2556	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	654.0134	643.7266	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	259.3287	296.0727	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	779.8240	838.4829	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	859.2946	843.0346	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	683.9967	673.7555	0.0000	0.0000	0	0.00		
			<u>818,919</u>					<u>1,800.00</u>	<u>0.00</u>	<u>20 835 726.00</u>	<u>0.00</u>
		Total	945,819					5,664.00	54,890,418.00	31 545 601.00	131 085 558 478.00
Future											
Dec 2018	EUUS	Future	40	1.1680	1.1756	0.0000	0.0000	0	0.00		
			<u>40</u>					<u>0.00</u>	<u>0.00</u>	<u>744 445.00</u>	<u>8 445 126 755.00</u>
		Total	40					0.00	0.00	744 445.00	8 445 126 755.00
Future											
Dec 2018	GBUS	Future	500	1.3081	1.3171	0.0000	0.0000	0	0.00		

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			500					0.00	0.00	168 921.00	2 173 503 224.00	
		Total	500					0.00	0.00	168 921.00	2 173 503 224.00	
Future												
	Dec 2018	ZAAD	Future	36,596	10.3358	10.2558	0.0000	0.0000	0	0.00		
	Mar 2019	ZAAD	Future	520	10.4758	10.3937	0.0000	0.0000	0	0.00		
	Jun 2019	ZAAD	Future	4,929	10.6096	10.5259	0.0000	0.0000	0	0.00		
				42,045					0.00	0.00	3 738 841.00	32 581 104 497.80
		Total	42,045					0.00	0.00	3 771 218.00	32 581 104 497.80	
Future												
	Dec 2018	ZACA	Future	600	11.0695	10.8768	0.0000	0.0000	0	0.00		
				600					0.00	0.00	137 653.00	1 355 055 071.60
		Total	600					0.00	0.00	137 653.00	1 355 055 071.60	
Future												
	Dec 2018	ZADK	Future	240	2.2571	2.2532	0.0000	0.0000	0	0.00		
				240					0.00	0.00	12 335.00	265 809 909.00
		Total	240					0.00	0.00	12 335.00	265 809 909.00	
Future												
	Dec 2018	ZAEU	Future	110,274	16.6846	16.6819	16.7737	16.7071	654	10,944,933.70		
	Mar 2019	ZAEU	Future	36,651	17.0330	17.0282	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	Future	5,256	17.3612	17.3567	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	Future	6,834	17.7228	17.7210	0.0000	0.0000	0	0.00		
				159,015					654.00	10,944,933.70	15 565 854.00	223 764 962 903.90
Option												
	Mar 2019	ZAEU	15.60 Put	462	170.9218	175.3556	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	16.00 Call	650	1312.6850	1313.5066	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	17.33 Put	462	945.2329	957.0292	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	19.65 Call	462	198.9125	210.3428	0.0000	0.0000	0	0.00		
				2,036					0.00	0.00	10 794 564.00	0.00
		Total	161,051					654.00	10,944,933.70	26 360 418.00	223 764 962 903.90	
Future												
	Dec 2018	ZAFR	Future	1,648	14.7247	14.6494	0.0000	0.0000	0	0.00		
	Jun 2019	ZAFR	Future	150	15.3521	15.2712	0.0000	0.0000	0	0.00		
				1,798					0.00	0.00	620 476.00	6 666 400 751.60
		Total	1,798					0.00	0.00	620 476.00	6 666 400 751.60	
Future												

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Dec 2018	ZAGB	Future	441,056	18.6859	18.6903	18.8141	18.6961	11,963	223,876,338.60		
Mar 2019	ZAGB	Future	5,144	19.0079	19.0110	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	5,856	19.3071	19.3099	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	10,363	19.6337	19.6386	0.0000	0.0000	0	0.00		
			<u>462,419</u>					<u>11,963.00</u>	<u>223,876,338.60</u>	<u>12 807 530.00</u>	<u>217 866 589 789.20</u>
Option											
Mar 2019	ZAGB	18.00 Put	500	418.7140	421.5910	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.00 Call	500	520.2319	528.7093	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	246.1597	254.8811	0.0000	0.0000	0	0.00		
			<u>1,500</u>					<u>0.00</u>	<u>0.00</u>	<u>1 775 613.00</u>	<u>0.00</u>
	Total		463,919					11,963.00	223,876,338.60	14 583 143.00	217 866 589 789.20
Future											
Dec 2018	ZAJY	Future	6,905	0.1265	0.1260	0.0000	0.0000	0	0.00		
			<u>6,905</u>					<u>0.00</u>	<u>0.00</u>	<u>1 021 902.00</u>	<u>11 470 576 312.50</u>
	Total		6,905					0.00	0.00	1 021 902.00	11 470 576 312.50
Future											
Jun 2019	ZAKS	Future	2,166	0.1396	0.1371	0.0000	0.0000	0	0.00		
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>	<u>515 662 000.00</u>
	Total		2,166					0.00	0.00	38 066.00	515 662 000.00
Future											
Dec 2018	ZATR	Future	12,000	2.2674	2.2581	0.0000	0.0000	0	0.00		
			<u>12,000</u>					<u>0.00</u>	<u>0.00</u>	<u>383 239.00</u>	<u>1 228 466 169.00</u>
	Total		12,000					0.00	0.00	383 239.00	1 228 466 169.00
Future											
Dec 2018	ZAUM	Future	334	14.2853	14.1902	0.0000	0.0000	0	0.00		
Mar 2019	ZAUM	Future	10	14.4608	14.3631	0.0000	0.0000	0	0.00		
			<u>344</u>					<u>0.00</u>	<u>0.00</u>	<u>152 983.00</u>	<u>176 802 740 960.00</u>
	Total		344					0.00	0.00	157 506.00	176 802 740 960.00
Future											
Dec 2018	ZAUS	Future	829,413	14.2853	14.1902	14.4000	14.2749	124,198	1,774,650,130.60		
Mar 2019	ZAUS	Future	38,781	14.4608	14.3631	14.5542	14.5542	2	29,108.40		
Jun 2019	ZAUS	Future	19,430	14.6225	14.5238	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	Future	19,892	14.7962	14.6982	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	Future	3,000	14.9692	14.8711	0.0000	0.0000	3,000	42,231,300.00		
Mar 2020	ZAUS	Future	3,966	15.1563	15.0578	0.0000	0.0000	0	0.00		
			<u>914,482</u>					<u>127,200.00</u>	<u>1,816,910,539.00</u>	<u>187 171 617.00</u>	<u>2 240 340 553 830.20</u>

<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>	
Option										
Dec 2018	ZAUS	11.64 Put	2,764	5.2908	7.5222	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	11.75 Put	228,616	6.1192	8.5970	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	11.90 Put	11,300	7.4730	10.3333	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.00 Put	174,530	8.5477	11.6966	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.02 Put	5,500	8.7816	11.9918	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.10 Put	8,580	9.7865	13.2551	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.20 Put	7,300	11.2164	15.0396	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.25 Put	3,300	12.0128	16.0281	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.38 Put	39,589	14.3785	18.9431	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.50 Call	228,616	1802.3048	1712.3505	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.50 Put	26,400	17.0048	22.1505	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.63 Put	39,589	20.4389	26.3080	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.68 Put	10,000	21.9505	28.1284	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.75 Put	1,000	24.2715	30.9115	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.95 Put	500	37.0401	49.1446	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.00 Call	6,000	1327.5978	1245.8385	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.00 Put	177,520	42.2978	55.6385	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.05 Put	1,500	48.1133	62.7577	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.10 Put	11,300	54.5197	70.5359	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.20 Call	7,100	1154.5398	1078.3956	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.22 Put	5,500	72.5065	92.0798	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.25 Call	10,000	1112.9171	1038.3350	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.25 Put	17,800	77.6171	98.1350	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.32 Put	13,650	90.5648	113.3634	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.33 Put	135,000	92.5352	115.6672	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.45 Call	500	953.9275	886.1141	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.45 Put	4,080	118.6275	145.9141	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.50 Call	228,616	916.1906	850.1790	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.50 Put	29,800	130.8906	159.9790	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.60 Put	66,000	158.0051	192.6138	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.68 Put	13,150	183.8012	221.4954	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.70 Put	7,300	190.6357	229.1024	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.75 Put	700	208.4119	248.8027	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.78 Call	100	724.8456	671.2874	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.79 Put	10,000	223.3367	265.2606	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.80 Call	3,264	712.4648	659.6724	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.80 Put	500	227.1648	269.4724	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.90 Put	35,000	267.6128	313.7001	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.95 Call	39,589	624.6002	577.4464	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	14.00 Call	20,200	597.2563	551.9337	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	14.00 Put	58,250	311.9563	361.7337	0.0000	0.0000	0	0.00	

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Dec 2018	ZAUS	14.10 Put	1,867	360.1405	413.4784	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	370.2302	424.2646	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	530.6297	489.9114	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	385.6426	440.7090	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	390.8557	446.2620	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	497.3669	459.0204	0.0000	0.0000	9,250	0.00
Dec 2018	ZAUS	14.20 Put	13,650	412.0669	468.8204	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	433.8607	492.7099	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	474.7001	438.9693	0.0000	0.0000	9,250	0.00
Dec 2018	ZAUS	14.30 Put	35,000	467.6173	529.5568	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	440.7461	408.6239	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	485.4461	548.4239	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	432.8051	401.3634	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	497.5051	561.1634	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	522.0255	587.0176	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	413.5394	383.7580	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	398.7193	370.2257	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	1,200	377.4476	350.8163	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	592.1476	660.6163	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	598.7091	667.4815	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	344.4327	320.7224	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	659.1327	730.5224	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	341.2933	317.8634	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	338.1824	315.0281	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	323.0455	301.2397	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	707.7455	781.0397	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	314.2909	293.2691	0.0000	0.0000	9,250	0.00
Dec 2018	ZAUS	14.74 Put	13,150	757.6909	832.7811	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	300.2315	280.4704	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	764.9315	840.2704	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	286.8123	268.2543	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	801.5123	878.0543	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	276.5205	258.8892	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	274.0081	256.6015	0.0000	0.0000	9,250	0.00
Dec 2018	ZAUS	14.90 Put	35,000	876.4942	955.2836	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	239.0410	224.5858	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	20,700	953.7410	1034.3858	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	236.8489	222.6031	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	220.0294	207.4044	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	218.0162	205.5849	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	208.2361	196.7442	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	1113.6167	1198.1151	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.25 Put	500	1154.7357	1240.0830	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	1196.2776	1282.4278	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	170.4071	162.5103	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	157.1222	150.4625	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	154.3255	147.9243	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	151.5829	145.4345	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1366.2829	1455.2345	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	150.2316	144.2074	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	139.8850	134.8039	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	138.6477	133.6784	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	137.4225	132.4721	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	126.9197	122.1216	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	123.6195	118.8659	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1666.3187	1757.5018	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	110.5779	106.7443	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	104.5370	101.1895	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	96.1230	93.4371	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	86.8048	84.8295	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	84.4348	82.6363	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	79.9007	78.4350	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	77.0237	75.7656	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	57.6775	57.7165	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	46.6785	47.3540	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	39.2853	40.3283	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	4.5731	5.1328	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	17.5739	22.8150	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	57.3585	69.0594	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	60.8457	73.0062	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	104.9990	122.2431	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	107.8252	126.1666	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	119.7475	142.8618	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	129.7397	154.0410	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	144.7283	170.6796	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	151.5012	178.1716	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	175.6423	204.7326	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	205.0432	236.8373	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	234.4342	268.7108	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	246.9132	282.1849	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	263.1005	299.6138	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	3,000	279.9407	317.6976	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	308.2605	348.8552	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	315.6054	357.2672	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.72 Put	10,000	323.0566	365.7916	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	334.4309	378.7916	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	351.0335	396.5101	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	381.2074	428.5848	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	399.0625	447.5166	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	445.6453	496.7250	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	465.0444	517.1531	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	590.3169	648.2932	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	762.2221	722.9627	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	629.6230	689.2058	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	681.9149	743.8781	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	686.6394	651.8670	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	678.7489	644.4466	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	717.9489	781.3466	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	736.2911	800.3785	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	754.8334	819.6052	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	811.6670	878.4225	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	870.2386	938.8936	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	923.7074	993.9751	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	930.4816	1000.9484	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	937.2754	1007.9364	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	521.0907	496.3188	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	1077.1157	1151.4699	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1135.0621	1211.0757	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1142.3830	1218.6050	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	462.6819	441.9699	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1186.7577	1264.0977	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1194.2160	1271.7305	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1284.9657	1364.4898	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	396.4927	380.3324	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	394.3371	378.3289	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	385.8610	370.4342	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	377.5981	362.7412	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	354.0293	340.7957	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	326.9974	315.4585	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	313.6013	301.8151	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	12,500	294.7950	284.1275	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	274.0180	264.7210	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	249.2721	241.5973	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	238.5066	231.5296	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	213.8329	208.4363	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	211.5303	206.2813	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	16.96 Call	12,600	174.6421	171.6716	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	173.7302	170.8142	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	169.2540	166.6092	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	164.0642	161.7257	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	163.2174	160.9308	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	162.3757	160.1384	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	151.8971	150.8324	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	146.5913	147.1062	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	135.0396	137.2927	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	113.3202	117.2977	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	99.9617	104.9556	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	9.5192	12.0570	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	58.4578	75.2081	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	127.4081	152.8518	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	176.1600	205.9596	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	180.9120	211.0895	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	244.0371	278.7694	0.0000	0.0000	30,000	0.00
Jun 2019	ZAUS	13.83 Put	25,000	450.1434	498.8534	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	6,250	472.0867	522.6351	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1161.4284	1115.7004	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	953.9779	918.1339	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	888.5352	855.4102	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	876.4282	942.8281	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	798.1773	769.2592	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	581.0832	563.0240	0.0000	0.0000	30,000	0.00
Jun 2019	ZAUS	15.62 Call	6,250	564.3076	547.0768	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	523.8223	508.5831	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	498.8302	484.8132	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	483.0008	469.1627	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	233.2929	234.3174	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	15.9979	19.0962	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	97.1944	122.1970	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	553.8224	604.4081	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	580.1899	632.5393	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	636.3446	693.8612	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.14 Put	141,127	661.7027	720.2292	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	698.0162	757.9319	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	762.4360	824.6576	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.72 Put	1,200	989.7294	1058.5263	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1422.5213	1499.1929	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.55 Call	30,000	789.5880	770.4307	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1550.6280	1629.5843	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 2019	ZAUS	15.87 Call	1,000	707.0690	691.2008	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	451.2252	444.7123	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	397.7068	393.4349	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	375.9264	374.9471	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	369.0746	368.4244	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.29 Call	81,930	341.0345	341.7257	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	328.5594	329.8447	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	318.2473	320.0179	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.67 Call	141,127	315.7784	317.6639	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	276.4290	270.1232	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	35.2477	43.5499	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	503.0190	550.1665	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	594.7460	587.5919	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	336.7980	331.8964	0.0000	0.0000	0	0.00		
			<u>7,837,592</u>					<u>97,000.00</u>	<u>0.00</u>	<u>60 252 561.00</u>	<u>0.00</u>
	Total		8,752,074					224,200.00	1,816,910,539.00	247 424 178.00	2 240 340 553 830.20

Grand Total	10,559,383		242,495.00	2 110 279 860.90	337,745,703	3,109,944,311,132.82
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