



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 02-October-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	663.5359	659.4934	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	16.5840	16.4858	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	0	318.5803	338.9544	0.0000	0.0000	62,400	0.00		
Aug 2019	DAEU	16.24 Put	0	382.9445	406.5897	0.0000	0.0000	20,000	0.00		
Aug 2019	DAEU	17.01 Put	31,200	693.2049	734.1680	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	572.9707	540.5857	0.0000	0.0000	0	0.00		
			<u>93,600</u>					<u>82,400.00</u>	<u>0.00</u>	<u>1 390 587.00</u>	<u>0.00</u>
		Total	93,634					82,400.00	0.00	2 191 915.00	11 965 949 271.80
Future											
Oct 2018	DAGB	Future	48	18.6274	18.5671	0.0000	0.0000	0	0.00		
			<u>48</u>					<u>0.00</u>	<u>0.00</u>	<u>53 893.00</u>	<u>887 905 331.00</u>
		Total	48					0.00	0.00	261 206.00	887 905 331.00
Future											
Oct 2018	DAUS	Future	0	14.3565	14.2021	0.0000	0.0000	55	790,350.00		
Oct 2018	DAUS	Future	189	14.3237	14.2021	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	4,314	14.3413	14.2214	0.0000	0.0000	355	5,128,862.50		
Oct 2018	DAUS	Future	235	14.3453	14.2253	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.3610	14.2408	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.3688	14.2485	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,500	14.3708	14.2504	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	4,369	14.3728	14.2523	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	14.3747	14.2543	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 2018	DAUS	Future	70	14.3975	14.2769	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	24	14.4013	14.2806	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	120	14.4031	14.2825	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	179	14.4143	14.2937	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.4274	14.3067	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	6,424	14.4293	14.3086	0.0000	0.0000	1,000	14,482,200.00		
Dec 2018	DAUS	Future	3,672	14.4522	14.3310	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,714	14.4887	14.3666	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.4926	14.3704	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.5453	14.4222	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,020	14.5471	14.4240	0.0000	0.0000	400	5,848,400.00		
Feb 2019	DAUS	Future	70	14.5716	14.4481	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	5,787	14.5998	14.4758	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	14.6505	14.5258	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,029	14.6543	14.5295	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.6618	14.5369	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.7142	14.5885	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.7723	14.6456	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.8303	14.7028	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.8893	14.7604	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.9504	14.8200	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.0076	14.8758	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.0669	14.9337	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	15.1327	14.9978	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.1965	15.0599	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.2561	15.1179	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.3199	15.1800	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.3837	15.2421	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.4392	15.2961	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.5091	15.3642	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.6243	15.4763	0.0000	0.0000	0	0.00		
			<u>127,418</u>					<u>1,810.00</u>	<u>26,249,812.50</u>	<u>10 713 624.00</u>	<u>131 139 357 594.50</u>
Option											
Oct 2018	DAUS	14.88 Put	314	580.3235	687.3986	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	14.96 Call	314	32.9231	22.7865	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.20 Put	1,630	5.9735	7.4338	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	14.00 Call	1,630	437.4993	352.9831	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.00 Put	500	7.2120	8.6569	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	68.4723	92.0253	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.93 Call	500	544.0275	455.0100	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.97 Put	600	113.1383	147.2371	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	14.25 Put	250	222.3228	275.9657	0.0000	0.0000	0	0.00		

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Oct 2018	DAUS	14.34 Put	171	267.1488	0.0000	0.0000	0.0000	171	0.00
Oct 2018	DAUS	14.44 Call	171	257.3132	0.0000	0.0000	0.0000	171	0.00
Oct 2018	DAUS	14.45 Call	600	253.3743	202.6593	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	179.3017	141.6124	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.82 Put	114	588.1142	678.2958	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.90 Call	600	123.7995	96.9101	0.0000	0.0000	0	0.00
Oct 2018	DAUS	15.01 Call	114	103.5460	80.3916	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	7.1172	5.1832	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	2.3303	1.7211	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	0.4260	0.4769	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	96.3235	124.4094	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	5.6372	3.9628	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.34 Put	171	321.6030	0.0000	0.0000	0.0000	171	0.00
Nov 2018	DAUS	14.50 Call	171	314.6680	0.0000	0.0000	0.0000	171	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.1673	0.1763	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	1.0849	1.1001	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1205.9334	1091.9574	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	245.3071	202.5018	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	239.3801	197.4864	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	199.1377	163.6212	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	686.0377	771.1212	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	222.3739	183.9545	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	308.5482	258.7193	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	16.6751	19.0117	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	142.6449	169.7556	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	158.0918	187.3948	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	591.9475	511.2443	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	319.5024	367.7396	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	473.6946	403.6594	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.80 Call	600	281.0409	236.7727	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	275.2061	231.7433	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	35.2757	28.5982	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	17.9726	14.2572	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1166.4614	1262.0204	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	185.8188	218.2585	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	357.0825	407.7833	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	733.9757	813.1588	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	1043.4983	1134.9380	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	120.0819	140.9561	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	180.6680	211.6024	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	245.8105	209.2886	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	137.2312	115.7759	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	13.90 Put	35,000	209.8070	244.2373	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	384.3320	435.4793	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	756.0001	833.0579	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	1059.5470	1148.1934	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	52.0691	61.5240	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	65.8593	77.6015	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	404.2072	350.7359	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	373.4316	323.3803	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	39.4558	44.2923	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	190.6221	222.1357	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	630.0013	555.7949	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	375.9047	424.9806	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	811.6223	889.3011	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	68.6455	58.4413	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	41.1606	32.3246	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	33.0654	35.4638	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	63.4642	68.3480	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	428.2005	475.6893	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	662.3711	591.3297	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	393.2631	347.3266	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	84.9860	92.2555	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	466.9895	512.6427	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	691.3019	621.9076	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	436.9376	389.6290	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	50,000	382.2591	419.4698	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	106.3614	115.2361	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	501.7522	546.1245	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	717.7301	649.5436	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	473.5957	425.2860	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	125.5576	136.6734	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1460.3994	1357.2361	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	533.5745	577.8289	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	742.5586	676.4712	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	509.0460	461.0623	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	142.0266	156.2811	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	561.5544	605.7189	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	764.6739	700.3544	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	540.1246	492.5448	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	836.8618	891.9294	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	330.1841	298.9444	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	155.0042	171.0890	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	584.7790	628.5966	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	15.17 Call	500	782.0988	719.3403	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.96 Call	250	564.8730	517.9709	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	275.5843	298.4660	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	478.0575	435.5623	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	166.8666	185.6038	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	607.8896	652.2814	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	808.0428	746.1660	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	596.8689	549.8191	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	737.0508	786.0367	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	579.7670	534.0119	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	175.5817	198.0173	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	627.9745	672.2379	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	823.2813	762.2444	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	619.1850	571.8095	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	297.4993	276.3171	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	181.5586	206.5733	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	645.7204	689.8598	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	845.5068	785.1358	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	645.6182	597.1289	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	186.8450	210.6083	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	666.7713	709.1180	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	867.5363	808.1887	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	671.8438	624.2387	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	201.5288	222.4507	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	684.6468	725.6005	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	892.7183	833.7694	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	699.7098	651.7753	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	215.2761	237.3879	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	702.1972	742.7928	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	917.9398	859.1630	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	729.7035	681.7996	0.0000	0.0000	0	0.00		
			<u>799,603</u>					<u>684.00</u>	<u>0.00</u>	<u>20 866 410.00</u>	<u>0.00</u>
		Total	927,021					2,494.00	26,249,812.50	31 580 034.00	131 139 357 594.50
Future											
Dec 2018	EUUS	Future	40	1.1622	1.1651	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	1.3026	1.3093	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	10.4113	10.3521	0.0000	0.0000	0	0.00		
	Mar 2019	ZAAD	Future	520	10.5524	10.4909	0.0000	0.0000	0	0.00		
	Jun 2019	ZAAD	Future	4,929	10.6883	10.6252	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	11.2912	11.1992	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	2.2723	2.2590	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	110,606	16.8008	16.7013	16.8477	16.7811	2,245	37,681,781.30		
	Mar 2019	ZAEU	Future	36,646	17.1522	17.0474	0.0000	0.0000	20	342,944.00		
	Jun 2019	ZAEU	Future	5,256	17.4844	17.3759	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	Future	6,834	17.8519	17.7383	0.0000	0.0000	0	0.00		
				159,342					2,265.00	38,024,725.30	15 575 371.00	223 924 180 295.60
Option												
	Mar 2019	ZAEU	15.60 Put	462	143.9973	154.6059	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	16.00 Call	650	1394.0456	1307.0202	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	17.33 Put	462	866.0301	919.4236	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	19.65 Call	462	210.0303	191.7787	0.0000	0.0000	0	0.00		
				2,036					0.00	0.00	10 794 564.00	0.00
		Total	161,378					2,265.00	38,024,725.30	26 369 935.00	223 924 180 295.60	
Future												
	Dec 2018	ZAFR	Future	1,648	14.7935	14.6757	0.0000	0.0000	0	0.00		
	Jun 2019	ZAFR	Future	150	15.4269	15.2997	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	

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>	
Dec 2018	ZAGB	Future	440,556	18.8302	18.7690	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	Future	4,932	19.1544	19.0892	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,856	19.4568	19.3890	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	10,363	19.7894	19.7176	0.0000	0.0000	0	0.00	
			<u>461,707</u>					<u>0.00</u>	<u>0.00</u>	<u>12 808 530.00</u>
Option										<u>217 885 434 739.20</u>
Mar 2019	ZAGB	18.00 Put	500	375.7739	380.7468	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	564.3748	528.3561	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	266.5902	245.6604	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>
			Total	463,207				0.00	0.00	14 584 143.00
										217 885 434 739.20
Future										
Dec 2018	ZAJY	Future	6,905	0.1278	0.1265	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>
			Total	6,905				0.00	0.00	1 021 902.00
										11 470 576 312.50
Future										
Jun 2019	ZAKS	Future	2,166	0.1410	0.1401	0.0000	0.0000	0	0.00	
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>
			Total	2,166				0.00	0.00	38 066.00
										515 662 000.00
Future										
Dec 2018	ZATR	Future	12,000	2.3039	2.3019	0.0000	0.0000	0	0.00	
			<u>12,000</u>					<u>0.00</u>	<u>0.00</u>	<u>383 239.00</u>
			Total	12,000				0.00	0.00	383 239.00
										1 228 466 169.00
Future										
Dec 2018	ZAUM	Future	339	14.4560	14.3348	0.0000	0.0000	27	39,179,000.00	
Mar 2019	ZAUM	Future	10	14.6336	14.5091	0.0000	0.0000	0	0.00	
			<u>349</u>					<u>27.00</u>	<u>39,179,000.00</u>	<u>153 027.00</u>
			Total	349				27.00	39,179,000.00	157 550.00
										176 866 163 960.00
Future										
Dec 2018	ZAUS	Future	827,541	14.4560	14.3348	14.5871	14.4492	74,166	1,075,047,656.00	
Mar 2019	ZAUS	Future	39,232	14.6336	14.5091	14.7515	14.7087	12	176,590.00	
Jun 2019	ZAUS	Future	19,040	14.7985	14.6714	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	Future	20,642	14.9771	14.8460	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	Future	3,966	15.3487	15.2080	0.0000	0.0000	0	0.00	
			<u>910,421</u>					<u>74,178.00</u>	<u>1,075,224,246.00</u>	<u>187 292 558.00</u>
										2 242 082 848 619.40
Option										

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Dec 2018	ZAUS	11.64 Put	2,764	4.1444	4.2458	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	4.7770	4.8824	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	5.8066	5.9191	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	6.6209	6.7394	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	6.7976	6.9178	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	7.5562	7.6835	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	8.6324	8.7716	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	9.2304	9.3774	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	11.0018	11.1755	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	1968.9611	1847.9727	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	12.9611	13.1727	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	15.5135	15.7871	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	16.6343	16.9402	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	18.3527	18.7124	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	24.4056	27.0317	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	1482.2351	1366.1251	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	26.2351	31.3251	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	30.2570	36.1338	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	34.7802	41.4943	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1301.3896	1188.8182	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	47.7807	56.8318	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1257.5459	1146.0559	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	51.5459	61.2559	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	61.2023	72.5668	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	62.6853	74.2999	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1088.6315	982.3147	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	82.6315	97.5147	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1048.1788	943.3644	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	92.1788	108.5644	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	113.6105	133.2470	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	133.1116	156.0523	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	138.3273	162.3315	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	151.9761	178.7274	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	837.0533	743.8436	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	164.1590	192.5627	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	823.3029	730.9220	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	500	167.3029	196.1220	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	200.8516	233.9386	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	725.0785	639.1583	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,200	694.2821	610.5863	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	238.2821	275.7863	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	279.6104	321.6312	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.12 Put	4,372	288.3412	331.2732	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	618.7658	540.9529	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	301.7283	346.0314	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	306.2685	351.0275	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	580.8104	506.1968	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	324.8104	371.3968	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	343.9594	392.3785	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	554.8425	482.5176	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	373.8187	424.9721	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	515.2501	446.5684	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	389.2501	441.7684	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	505.7211	437.9451	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	399.7211	453.1451	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	421.1034	476.9859	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	482.5401	417.8344	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	464.6390	402.3784	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	1,200	439.6463	380.2090	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	483.6463	545.4090	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	489.6264	551.8300	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	400.9811	345.8606	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	544.9811	611.0606	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	397.2969	342.5972	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	393.6424	339.3642	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	375.8558	323.6487	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	589.8558	658.8487	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	365.5562	314.5676	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	636.2484	708.0552	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	348.9964	299.9963	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	642.9964	715.1963	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	333.1671	286.1083	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	677.1671	751.3083	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	321.0157	275.4681	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	318.0476	272.8719	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	747.6098	825.4626	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	276.6747	236.8243	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	20,700	820.6747	902.0243	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	274.1185	234.6046	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	254.5113	217.4573	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	252.1645	215.3880	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	240.7570	205.3418	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	973.7449	1060.9833	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	1013.2496	1101.8906	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.30 Put	35,000	1053.2491	1143.2403	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	196.0382	166.6415	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	180.3274	153.1189	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	177.0192	150.2763	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	173.7774	147.4926	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1217.7774	1312.6926	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	172.1792	146.1217	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	159.9462	135.6372	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	158.4835	134.3859	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	157.0370	133.1454	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	144.6274	122.5416	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	140.7314	119.2178	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1511.3928	1612.7213	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	126.2503	106.4702	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	119.5433	100.3824	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	109.6258	91.9262	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	98.6538	82.5944	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	95.8644	80.2278	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	90.5326	75.7080	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	87.1528	72.8448	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	64.4888	53.7273	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	51.6802	42.9839	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	43.1177	35.8289	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	4.1816	4.0733	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	13.7460	15.3003	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	46.2787	49.9370	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	49.1735	52.9981	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	86.2044	92.0733	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	88.5947	94.5919	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	98.7046	105.2447	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	105.4837	112.3863	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	115.6033	126.1012	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	120.1713	132.3242	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	138.5483	154.5998	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	163.5325	181.9250	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	188.7564	209.4151	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	199.5359	221.1368	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	213.5748	236.3753	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	4,000	228.2435	252.2742	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	253.0473	279.1004	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	259.5065	286.0759	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	266.0696	293.1591	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.75 Put	17,981	276.1113	303.9827	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	289.8607	318.7967	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	314.9396	347.3808	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	329.8485	364.4902	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	371.6405	409.2629	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	389.1394	427.9623	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	503.3106	549.3385	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	847.1193	769.2458	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	539.4978	587.6130	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	587.8655	638.6477	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	763.6157	691.0685	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	754.8388	682.8760	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	621.2388	673.7760	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	638.2586	691.7783	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	655.4919	709.9935	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	708.4783	765.8888	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	763.5987	823.6017	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	814.1021	876.3618	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	820.5164	883.0513	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	826.9481	889.7613	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	579.3579	520.9447	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	959.9065	1028.1113	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1015.2885	1085.5515	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1022.2947	1092.8115	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	514.1017	461.1246	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1064.7170	1136.7337	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1071.8494	1144.1135	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1158.7909	1234.0999	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	439.3736	393.3154	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	436.9599	391.1201	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	427.4483	382.4767	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	418.1771	374.0552	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	391.7204	350.0700	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	361.3530	322.6057	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	346.2994	309.0171	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	10,000	326.8048	290.7350	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	305.0214	269.7470	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	277.2677	244.8026	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	265.1866	233.9692	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	237.4837	209.1890	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	234.8999	206.8793	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	193.4600	169.9837	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	16.97 Call	63,500	192.4339	169.0725	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	187.4072	164.6112	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	181.5771	159.4407	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	180.6241	158.5959	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	179.6795	157.7587	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	167.9074	147.3342	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	161.9465	142.0624	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	146.2581	129.7760	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	120.2899	108.2871	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	105.4296	95.1421	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	9.1911	8.6759	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	44.7695	53.8041	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	102.1021	115.9332	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	143.8630	160.1286	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	147.9725	164.4493	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	203.6373	222.6794	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	388.9232	419.0643	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	6,250	408.0637	439.2564	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1266.4836	1175.2976	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	1040.0109	961.6447	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	968.8321	894.2420	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	779.1582	832.8289	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	871.5125	801.8007	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	633.0522	579.7006	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	6,250	614.5742	562.5945	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	569.9463	521.3519	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	542.3749	495.9206	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	524.9013	479.8289	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	246.3778	225.7610	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	16.1255	14.8911	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	72.7581	85.9433	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	490.1712	522.5961	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	514.5700	548.0491	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	565.3963	601.0098	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.14 Put	141,127	587.3680	625.3415	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	618.9113	660.7440	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	677.8391	723.6649	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.72 Put	1,200	892.3326	946.5234	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1308.7862	1374.7618	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.55 Call	30,000	852.5555	790.6388	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1432.4398	1501.8064	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	762.3168	706.5126	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	17.23 Call	800	485.7199	447.4415	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	427.2864	393.3604	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	400.9680	370.1940	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	391.5224	363.2876	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.29 Call	81,930	359.0558	335.0562	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	345.3487	322.5177	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.63 Call	33,715	334.0158	312.1624	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.67 Call	141,127	331.3014	309.6795	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	292.9704	273.4725	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	35.6014	32.6234	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	444.4882	474.7351	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	634.3605	591.5743	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	367.2711	334.3179	0.0000	0.0000	0	0.00
			<u>7,836,092</u>					<u>0.00</u>	<u>0.00</u>
	Total		8,746,513					74,178.00	1,075,224,246.00
									<u>60 256 741.00</u>
									<u>2 242 082 848 619.40</u>

Grand Total	10,483,444					161,364.00	1 178 677 783.80	337,998,266	3,111,982,779,997.82
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