



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 01-October-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	659.4934	644.4472	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	16.4858	16.4676	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	338.9544	355.0584	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	20,000	406.5897	424.2814	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	31,200	734.1680	756.6288	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	540.5857	549.5938	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											
Oct 2018	DAGB	Future	48	18.5671	18.4827	0.0000	0.0000	48	889,617.60		
			<u>48</u>					<u>48.00</u>	<u>889,617.60</u>	<u>53 893.00</u>	<u>887 905 331.00</u>
		Total	48					48.00	889,617.60	261 206.00	887 905 331.00
Future											
Oct 2018	DAUS	Future	55	14.2021	14.1501	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	189	14.2021	14.1502	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	4,041	14.2214	14.1711	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	14.2253	14.1750	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.2408	14.1906	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.2485	14.1984	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,500	14.2504	14.2003	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	4,369	14.2523	14.2023	0.0000	0.0000	1,935	27,492,240.00		
Nov 2018	DAUS	Future	55	14.2543	14.2042	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	14.2769	14.2268	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	24	14.2806	14.2306	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	120	14.2825	14.2325	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	179	14.2937	14.2437	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.3067	14.2569	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	5,424	14.3086	14.2588	0.0000	0.0000	4	57,064.00		
Dec 2018	DAUS	Future	3,672	14.3310	14.2815	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,714	14.3666	14.3176	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.3704	14.3214	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.4222	14.3734	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,420	14.4240	14.3753	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.4481	14.3995	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	5,787	14.4758	14.4273	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	14.5258	14.4775	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,029	14.5295	14.4812	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.5369	14.4887	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.5885	14.5400	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.6456	14.5968	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.7028	14.6536	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.7604	14.7110	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.8200	14.7703	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.8758	14.8258	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.9337	14.8836	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.9978	14.9473	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.0599	15.0090	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.1179	15.0667	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.1800	15.1284	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.2421	15.1902	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.2961	15.2439	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.3642	15.3116	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.4763	15.4231	0.0000	0.0000	0	0.00		
			<u>126,600</u>					<u>1,939.00</u>	<u>27,549,304.00</u>	<u>10 711 814.00</u>	<u>131 113 107 782.00</u>
Option											
Oct 2018	DAUS	14.88 Put	314	687.3986	743.9203	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	14.96 Call	314	22.7865	28.2155	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.20 Put	1,630	7.4338	11.3697	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	14.00 Call	1,630	352.9831	337.5907	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.00 Put	500	8.6569	11.0574	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	92.0253	116.2533	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.93 Call	500	455.0100	434.3575	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.97 Put	600	147.2371	178.1217	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	14.25 Put	250	275.9657	317.5835	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	14.45 Call	600	202.6593	199.0911	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	141.6124	141.4544	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.82 Put	114	678.2958	729.5573	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.90 Call	600	96.9101	98.6957	0.0000	0.0000	0	0.00
Oct 2018	DAUS	15.01 Call	114	80.3916	82.3872	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	5.1832	5.8716	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	1.7211	2.0120	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	0.4769	0.7700	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	124.4094	151.7172	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	3.9628	4.5935	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.1763	0.2850	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	1.1001	1.6852	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1091.9574	1048.4886	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	0	210.9995	244.4815	0.0000	0.0000	20,000	0.00
Nov 2018	DAUS	14.72 Call	5,000	202.5018	202.1368	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	197.4864	197.3420	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	163.6212	164.8668	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	771.1212	822.3668	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	183.9545	184.7360	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	258.7193	256.8938	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.31 Call	0	115.6543	118.5789	0.0000	0.0000	10,000	0.00
Nov 2018	DAUS	13.00 Put	500	19.0117	28.6173	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	169.7556	198.7236	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	187.3948	217.7961	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	511.2443	498.0011	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	367.7396	408.2416	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	403.6594	396.3823	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.80 Call	600	236.7727	236.9824	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	231.7433	232.1448	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	28.5982	31.6909	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	14.2572	16.1899	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1262.0204	1315.4098	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	218.2585	250.8164	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	407.7833	450.6441	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	813.1588	864.1009	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	1134.9380	1187.8852	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	140.9561	167.2795	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	211.6024	243.7375	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	209.2886	211.5844	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	115.7759	119.9602	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	244.2373	278.4144	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	435.4793	478.3661	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	14.90 Put	35,000	833.0579	884.0759	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	1148.1934	1201.2482	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	61.5240	77.6501	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	77.6015	96.0144	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	350.7359	350.3097	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	323.3803	323.8773	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	44.2923	56.9241	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	222.1357	254.5124	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	555.7949	548.6820	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	424.9806	467.4403	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	889.3011	940.9466	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	58.4413	62.5841	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	32.3246	37.6895	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	35.4638	42.0977	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	68.3480	83.0798	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	475.6893	517.0233	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	591.3297	586.2878	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	347.3266	349.9115	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	92.2555	105.9335	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	512.6427	553.5417	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	621.9076	618.3897	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	389.6290	392.1491	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	50,000	419.4698	455.3578	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	115.2361	130.4813	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	546.1245	586.2460	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	649.5436	647.0258	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	425.2860	428.1025	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	136.6734	152.9437	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1357.2361	1334.4461	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	577.8289	617.5512	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	676.4712	674.6180	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	461.0623	463.9722	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	156.2811	172.4895	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	605.7189	644.9833	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	700.3544	698.7166	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	492.5448	495.2926	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	891.9294	936.2377	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	298.9444	303.4976	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	171.0890	188.8792	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	628.5966	667.4008	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	719.3403	717.9641	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	517.9709	520.4810	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	13.45 Put	39,250	298.4660	323.3108	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	435.5623	438.7082	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	185.6038	204.1137	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	652.2814	690.6038	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	746.1660	744.9147	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	549.8191	552.3310	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	786.0367	826.9044	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	534.0119	536.3696	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	198.0173	215.5401	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	672.2379	709.9768	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	762.2444	761.6329	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	571.8095	573.8254	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	276.3171	282.4701	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	206.5733	226.7500	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	689.8598	727.4266	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	785.1358	784.4434	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	597.1289	598.9714	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	210.6083	231.2705	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	709.1180	746.8088	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	808.1887	808.2741	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	624.2387	626.4059	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	222.4507	243.9319	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	725.6005	763.7626	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	833.7694	833.7810	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	651.7753	654.0134	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	237.3879	259.3287	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	742.7928	779.8240	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	859.1630	859.2946	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	681.7996	683.9967	0.0000	0.0000	0	0.00		
			<u>798,919</u>					<u>30,000.00</u>	<u>0.00</u>	<u>20 865 726.00</u>	<u>0.00</u>
Total			925,519					31,939.00	27,549,304.00	31 577 540.00	131 113 107 782.00
Future	Dec 2018	EUUS	Future	40	1.1651	1.1680	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	1.3093	1.3081	0.0000	0.0000	0	0.00	
			<u>500</u>					<u>0.00</u>	<u>0.00</u>	<u>168 921.00</u>	<u>2 173 503 224.00</u>
Total			500					0.00	0.00	168 921.00	2 173 503 224.00

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Future										
Dec 2018	ZAAD	Future	36,596	10.3521	10.3358	0.0000	0.0000	0	0.00	
Mar 2019	ZAAD	Future	520	10.4909	10.4758	0.0000	0.0000	0	0.00	
Jun 2019	ZAAD	Future	4,929	10.6252	10.6096	0.0000	0.0000	0	0.00	
			<u>42,045</u>					<u>0.00</u>	<u>0.00</u>	<u>3 738 841.00</u>
		Total	42,045					0.00	0.00	3 771 218.00
Future										
Dec 2018	ZACA	Future	600	11.1992	11.0695	0.0000	0.0000	0	0.00	
			<u>600</u>					<u>0.00</u>	<u>0.00</u>	<u>137 653.00</u>
		Total	600					0.00	0.00	137 653.00
Future										
Dec 2018	ZADK	Future	240	2.2590	2.2571	0.0000	0.0000	0	0.00	
			<u>240</u>					<u>0.00</u>	<u>0.00</u>	<u>12 335.00</u>
		Total	240					0.00	0.00	12 335.00
Future										
Dec 2018	ZAEU	Future	110,110	16.7013	16.6846	16.7304	16.5871	7,242	121,020,799.40	
Mar 2019	ZAEU	Future	36,646	17.0474	17.0330	16.9650	16.9650	5	84,825.00	
Jun 2019	ZAEU	Future	5,256	17.3759	17.3612	17.4084	17.4084	5	87,042.00	
Sep 2019	ZAEU	Future	6,834	17.7383	17.7228	0.0000	0.0000	0	0.00	
			<u>158,846</u>					<u>7,252.00</u>	<u>121,192,666.40</u>	<u>15 573 106.00</u>
		Total						7,252.00	121,192,666.40	15 573 106.00
Option										
Mar 2019	ZAEU	15.60 Put	462	154.6059	170.9218	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	16.00 Call	650	1307.0202	1312.6850	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	17.33 Put	462	919.4236	945.2329	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	19.65 Call	462	191.7787	198.9125	0.0000	0.0000	0	0.00	
			<u>2,036</u>					<u>0.00</u>	<u>0.00</u>	<u>10 794 564.00</u>
		Total	160,882					7,252.00	121,192,666.40	26 367 670.00
Future										
Dec 2018	ZAFR	Future	1,648	14.6757	14.7247	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	15.2997	15.3521	0.0000	0.0000	0	0.00	
			<u>1,798</u>					<u>0.00</u>	<u>0.00</u>	<u>620 476.00</u>
		Total	1,798					0.00	0.00	620 476.00
Future										
Dec 2018	ZAGB	Future	440,556	18.7690	18.6859	18.6893	18.6893	500	9,344,650.00	
Mar 2019	ZAGB	Future	4,932	19.0892	19.0079	19.0006	19.0006	500	9,500,300.00	
Jun 2019	ZAGB	Future	5,856	19.3890	19.3071	0.0000	0.0000	0	0.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
	Sep 2019	ZAGB	Future	10,363	19.7176	19.6337	0.0000	0.0000	0	0.00		
				<u>461,707</u>					<u>1,000.00</u>	<u>18,844,950.00</u>	<u>12 808 530.00</u>	<u>217 885 434 739.20</u>
Option												
	Mar 2019	ZAGB	18.00 Put	500	380.7468	418.7140	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	20.00 Call	500	528.3561	520.2319	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	21.44 Call	500	245.6604	246.1597	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	463,207					1,000.00	18,844,950.00	14 584 143.00	217 885 434 739.20
Future												
	Dec 2018	ZAJY	Future	6,905	0.1265	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>	<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	0.1401	0.1396	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	2.3019	2.2674	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	330	14.3348	14.2853	0.0000	0.0000	17	24,244,000.00		
	Mar 2019	ZAUM	Future	10	14.5091	14.4608	0.0000	0.0000	0	0.00		
				<u>340</u>					<u>17.00</u>	<u>24,244,000.00</u>	<u>153 000.00</u>	<u>176 826 984 960.00</u>
			Total	340					17.00	24,244,000.00	157 523.00	176 826 984 960.00
Future												
	Dec 2018	ZAUS	Future	825,091	14.3348	14.2853	14.3500	14.2089	42,146	601,203,499.80		
	Mar 2019	ZAUS	Future	39,230	14.5091	14.4608	14.4315	14.4015	467	6,758,651.40		
	Jun 2019	ZAUS	Future	19,040	14.6714	14.6225	14.6753	14.6753	400	5,828,092.00		
	Sep 2019	ZAUS	Future	20,642	14.8460	14.7962	14.7320	14.7320	750	11,049,000.00		
	Dec 2019	ZAUS	Future	0	15.0198	14.9692	0.0000	0.0000	3,000	42,231,300.00		
	Mar 2020	ZAUS	Future	3,966	15.2080	15.1563	0.0000	0.0000	0	0.00		
				<u>907,969</u>					<u>46,763.00</u>	<u>667,070,543.20</u>	<u>187 218 380.00</u>	<u>2 241 007 624 373.40</u>
Option												
	Dec 2018	ZAUS	11.64 Put	2,764	4.2458	5.2908	0.0000	0.0000	0	0.00		
	Dec 2018	ZAUS	11.75 Put	228,616	4.8824	6.1192	0.0000	0.0000	0	0.00		

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Dec 2018	ZAUS	11.90 Put	11,300	5.9191	7.4730	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	6.7394	8.5477	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	6.9178	8.7816	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	7.6835	9.7865	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	8.7716	11.2164	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	9.3774	12.0128	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	11.1755	14.3785	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	1847.9727	1802.3048	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	13.1727	17.0048	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	15.7871	20.4389	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	16.9402	21.9505	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	18.7124	24.2715	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	27.0317	37.0401	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	1366.1251	1327.5978	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	31.3251	42.2978	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	36.1338	48.1133	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	41.4943	54.5197	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1188.8182	1154.5398	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	56.8318	72.5065	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1146.0559	1112.9171	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	61.2559	77.6171	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	72.5668	90.5648	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	74.2999	92.5352	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	982.3147	953.9275	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	97.5147	118.6275	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	943.3644	916.1906	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	108.5644	130.8906	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	133.2470	158.0051	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	156.0523	183.8012	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	162.3315	190.6357	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	178.7274	208.4119	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	743.8436	724.8456	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	192.5627	223.3367	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	730.9220	712.4648	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	500	196.1220	227.1648	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	233.9386	267.6128	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	639.1583	624.6002	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,200	610.5863	597.2563	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	275.7863	311.9563	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	321.6312	360.1405	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	331.2732	370.2302	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	540.9529	530.6297	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.15 Put	236,970	346.0314	385.6426	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	351.0275	390.8557	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	506.1968	497.3669	0.0000	0.0000	170	0.00
Dec 2018	ZAUS	14.20 Put	13,650	371.3968	412.0669	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	392.3785	433.8607	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	482.5176	474.7001	0.0000	0.0000	170	0.00
Dec 2018	ZAUS	14.30 Put	35,000	424.9721	467.6173	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	446.5684	440.7461	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	441.7684	485.4461	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	437.9451	432.8051	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	453.1451	497.5051	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	476.9859	522.0255	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	417.8344	413.5394	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	402.3784	398.7193	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	1,200	380.2090	377.4476	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	545.4090	592.1476	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	551.8300	598.7091	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	345.8606	344.4327	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	611.0606	659.1327	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	342.5972	341.2933	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	339.3642	338.1824	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	323.6487	323.0455	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	658.8487	707.7455	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	314.5676	314.2909	0.0000	0.0000	170	0.00
Dec 2018	ZAUS	14.74 Put	13,150	708.0552	757.6909	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	299.9963	300.2315	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	715.1963	764.9315	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	286.1083	286.8123	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	751.3083	801.5123	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	275.4681	276.5205	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	272.8719	274.0081	0.0000	0.0000	170	0.00
Dec 2018	ZAUS	14.90 Put	35,000	825.4626	876.4942	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	236.8243	239.0410	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	20,700	902.0243	953.7410	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	234.6046	236.8489	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	217.4573	220.0294	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	215.3880	218.0162	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	205.3418	208.2361	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	1060.9833	1113.6167	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	1101.8906	1154.7357	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	1143.2403	1196.2776	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	166.6415	170.4071	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.46 Call	1,867	153.1189	157.1222	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	150.2763	154.3255	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	147.4926	151.5829	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1312.6926	1366.2829	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	146.1217	150.2316	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	135.6372	139.8850	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	134.3859	138.6477	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	133.1454	137.4225	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	122.5416	126.9197	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	119.2178	123.6195	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1612.7213	1666.3187	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	106.4702	110.5779	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	100.3824	104.5370	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	91.9262	96.1230	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	82.5944	86.8048	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	80.2278	84.4348	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	75.7080	79.9007	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	72.8448	77.0237	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	53.7273	57.6775	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	42.9839	46.6785	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	35.8289	39.2853	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	4.0733	4.5731	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	15.3003	17.5739	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	49.9370	57.3585	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	52.9981	60.8457	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	92.0733	104.9990	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	94.5919	107.8252	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	105.2447	119.7475	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	112.3863	129.7397	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	126.1012	144.7283	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	132.3242	151.5012	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	154.5998	175.6423	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	181.9250	205.0432	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	209.4151	234.4342	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	221.1368	246.9132	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	236.3753	263.1005	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	4,000	252.2742	279.9407	0.0000	0.0000	1,000	0.00
Mar 2019	ZAUS	13.68 Put	14,200	279.1004	308.2605	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	286.0759	315.6054	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	293.1591	323.0566	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	303.9827	334.4309	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	318.7967	351.0335	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.86 Put	721	347.3808	381.2074	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	364.4902	399.0625	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	409.2629	445.6453	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	427.9623	465.0444	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	549.3385	590.3169	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	769.2458	762.2221	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	587.6130	629.6230	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	638.6477	681.9149	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	691.0685	686.6394	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	682.8760	678.7489	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	673.7760	717.9489	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	691.7783	736.2911	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	709.9935	754.8334	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	765.8888	811.6670	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	823.6017	870.2386	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	876.3618	923.7074	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	883.0513	930.4816	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	889.7613	937.2754	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	520.9447	521.0907	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	1028.1113	1077.1157	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1085.5515	1135.0621	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1092.8115	1142.3830	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	461.1246	462.6819	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1136.7337	1186.7577	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1144.1135	1194.2160	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1234.0999	1284.9657	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	393.3154	396.4927	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	391.1201	394.3371	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	382.4767	385.8610	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	374.0552	377.5981	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	350.0700	354.0293	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	322.6057	326.9974	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	309.0171	313.6013	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	10,000	290.7350	294.7950	0.0000	0.0000	2,500	0.00
Mar 2019	ZAUS	16.13 Call	138,000	269.7470	274.0180	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	244.8026	249.2721	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	233.9692	238.5066	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	209.1890	213.8329	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	206.8793	211.5303	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	169.9837	174.6421	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	169.0725	173.7302	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	164.6112	169.2540	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	17.08 Call	7,028	159.4407	164.0642	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	158.5959	163.2174	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	157.7587	162.3757	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	147.3342	151.8971	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	142.0624	146.5913	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	129.7760	135.0396	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	108.2871	113.3202	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	95.1421	99.9617	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	8.6759	9.5192	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	53.8041	58.4578	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	115.9332	127.4081	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	160.1286	176.1600	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	164.4493	180.9120	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	222.6794	244.0371	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	419.0643	450.1434	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	6,250	439.2564	472.0867	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1175.2976	1161.4284	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	961.6447	953.9779	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	894.2420	888.5352	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	832.8289	876.4282	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	801.8007	798.1773	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	579.7006	581.0832	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	6,250	562.5945	564.3076	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	521.3519	523.8223	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	495.9206	498.8302	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	479.8289	483.0008	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	225.7610	233.2929	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	14.8911	15.9979	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	85.9433	97.1944	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	522.5961	553.8224	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	548.0491	580.1899	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	601.0098	636.3446	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.14 Put	141,127	625.3415	661.7027	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	660.7440	698.0162	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	723.6649	762.4360	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.72 Put	1,200	946.5234	989.7294	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1374.7618	1422.5213	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.55 Call	30,000	790.6388	789.5880	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1501.8064	1550.6280	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	706.5126	707.0690	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	447.4415	451.2252	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	393.3604	397.7068	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	17.85 Call	2,700	370.1940	375.9264	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	17.93 Call	2,571	363.2876	369.0746	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.29 Call	81,930	335.0562	341.0345	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.47 Call	1,200	322.5177	328.5594	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.63 Call	33,715	312.1624	318.2473	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.67 Call	141,127	309.6795	315.7784	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	19.32 Call	33,151	273.4725	276.4290	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	11.89 Put	1,000	32.6234	35.2477	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	13.66 Put	1,000	474.7351	503.0190	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	17.38 Call	1,000	591.5743	594.7460	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	334.3179	336.7980	0.0000	0.0000	0	0.00	
			<u>7,836,092</u>					<u>4,180.00</u>	<u>0.00</u>	<u>60 256 741.00</u>
		Total	8,744,061					50,943.00	667,070,543.20	247 475 121.00
										2 241 007 624 373.40

Grand Total			10,530,185					91,199.00	859 791 081.20	337,836,902	3,110,804,102,214.02
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