



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 13-September-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	668.9416	667.4265	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	17.3182	17.5737	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	267.8024	235.8534	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	30,200	312.0826	276.4226	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	31,200	537.4233	473.7705	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	939.2938	1072.7304	0.0000	0.0000	0	0.00		
			<u>155,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 297 987.00</u>	<u>0.00</u>
		Total	155,034					0.00	0.00	2 099 315.00	11 965 949 271.80
Future											
Sep 2018	DAGB	Future	14	19.3445	19.6058	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	48	19.4035	19.6671	0.0000	0.0000	0	0.00		
			<u>62</u>					<u>0.00</u>	<u>0.00</u>	<u>53 831.00</u>	<u>883 358 081.80</u>
		Total	62					0.00	0.00	261 144.00	883 358 081.80
Future											
Sep 2018	DAUS	Future	300	14.7551	15.0345	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	14.7634	15.0427	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,633	14.7694	15.0489	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	14.7774	15.0571	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,600	14.8032	15.0838	0.0000	0.0000	1,500	22,287,350.00		
Oct 2018	DAUS	Future	235	14.8072	15.0879	0.0000	0.0000	69	1,022,200.50		
Oct 2018	DAUS	Future	70	14.8234	15.1044	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.8314	15.1127	0.0000	0.0000	0	0.00		

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Oct 2018	DAUS	Future	4,637	14.8355	15.1168	0.0000	0.0000	210	3,096,765.00
Nov 2018	DAUS	Future	55	14.8375	15.1189	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	14.8617	15.1437	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	24	14.8657	15.1478	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	420	14.8678	15.1498	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	461	14.8940	15.1764	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	5,239	14.8960	15.1785	0.0000	0.0000	2,210	32,721,910.00
Dec 2018	DAUS	Future	1,172	14.9202	14.8950	0.0000	0.0000	1,172	17,410,060.00
Dec 2018	DAUS	Future	4,187	14.9578	15.2415	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.9617	15.2455	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	15.0166	15.3022	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	15.0186	15.3042	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	15.0441	15.3305	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	4,725	15.0736	15.3608	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	15.1264	15.4154	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	400	15.1304	15.4194	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	15.1382	15.4275	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	15.1928	15.4840	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	15.2533	15.5465	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	15.3143	15.6099	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	15.3761	15.6741	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	15.4398	15.7403	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.5032	15.8054	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.5679	15.8709	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	15.6394	15.9431	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.7086	16.0131	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.7733	16.0786	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.8425	16.1486	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.9117	16.2186	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.9720	16.2795	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	16.0479	16.3563	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	16.1729	16.4827	0.0000	0.0000	0	0.00
			<u>120,574</u>					<u>5,161.00</u>	<u>76,538,285.50</u>
									<u>10 613 722.00</u>
									<u>129 687 462 950.30</u>
Option									
Sep 2018	DAUS	15.25 Put	20,000	500.5838	268.9528	0.0000	0.0000	0	0.00
Sep 2018	DAUS	15.00 Call	7,500	56.3440	174.5607	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.48 Put	40,000	97.5925	40.5415	0.0000	0.0000	40,000	0.00
Sep 2018	DAUS	15.40 Call	20,000	61.4583	0.0000	0.0000	0.0000	40,000	0.00
Sep 2018	DAUS	13.00 Put	500	2.0109	0.9850	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	1000.0491	1276.7633	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	11.0474	8.1980	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	48.9166	22.1282	0.0000	0.0000	0	0.00

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Sep 2018	DAUS	14.54 Call	250	358.5778	574.3711	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	8.7383	27.2062	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	3.2064	8.8065	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	11.0019	7.3804	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	896.7078	1143.7350	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	10.5470	10.9162	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	62.0275	40.8028	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	991.0521	1243.3468	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	168.7768	114.3546	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	504.5663	694.0571	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	81.9322	135.8955	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	45.9765	81.0172	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.85 Put	1,100	441.6031	334.0009	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.50 Call	1,100	228.0219	339.9869	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	4.4117	3.1737	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	83.0125	56.3024	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	68.1198	114.0776	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	1.1591	0.9871	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	4.6919	3.5483	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1677.6341	1957.3559	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	10,000	139.0497	98.8615	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	561.9545	747.4489	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	552.2208	736.2328	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	484.4056	656.4015	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	506.6056	396.6015	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	517.4200	694.1559	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	644.8285	836.5031	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.31 Call	10,000	368.4857	504.8897	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	33.8013	27.7969	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	119.1953	85.1483	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	1004.2186	1237.6220	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	243.5867	181.6933	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	579.2846	755.7405	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	142.3345	208.6979	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	91.7821	138.1470	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	921.1961	768.4249	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	151.6152	110.9429	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	274.6818	207.1500	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	561.4464	450.1330	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	817.4309	674.8848	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	105.9750	77.9830	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	149.9937	110.1524	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	15.08 Call	7,500	519.6757	676.9718	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	338.5787	455.5790	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	174.0304	129.9949	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	301.0303	231.8725	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	591.5529	479.4258	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	843.9897	703.5811	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	62.0745	49.6416	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	70.3016	56.6747	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	743.2401	929.6014	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	699.6407	880.1892	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	53.4169	41.6411	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	163.0255	122.1326	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	1024.7988	1245.2859	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	298.4429	232.6950	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	644.3614	527.9691	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	194.0247	264.0644	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	133.7772	184.7901	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	41.0744	28.5662	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	72.0984	53.1776	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	346.7320	278.9468	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	1039.9347	1246.8123	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	688.7249	847.4409	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	86.3447	61.3540	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	386.0388	316.3091	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	1058.5831	1255.1876	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	730.8671	885.0593	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	98.3901	71.7332	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	422.3163	350.6661	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	1075.1342	1263.5437	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	764.8764	916.2551	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	108.0005	77.3407	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1912.8723	2157.0049	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	454.9284	383.3755	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	1090.4849	1273.4040	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	795.7005	944.9985	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	115.5495	84.3056	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	485.3413	412.1268	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	1106.5852	1284.2385	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	823.7624	970.5826	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	719.1532	620.9907	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	540.3130	643.9898	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	120.8690	89.0406	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	14.25 Put	250	510.5511	436.4603	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	1119.7138	1294.2185	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.96 Call	250	846.0230	991.7901	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	235.1296	181.6437	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	730.8039	859.3714	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	124.9507	98.6451	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	537.4886	462.1739	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	1143.7408	1315.6580	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	876.9239	1022.7669	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	645.2808	562.1998	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	851.4148	991.7598	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	136.7695	97.3839	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	560.2250	483.5444	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	1155.1071	1325.6702	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	897.8352	1042.2997	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	459.0474	525.6997	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	152.1340	112.3649	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	582.0146	505.8151	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1182.3045	1353.1059	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	931.1291	1075.8813	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	169.2376	134.6689	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	603.3645	526.7594	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1206.6679	1376.7682	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	963.2499	1106.6075	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	184.0746	152.7416	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	621.1128	541.0066	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1234.7098	1403.4507	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	996.2010	1139.3665	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	200.8112	170.6073	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	639.2232	559.0311	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1263.2164	1430.5212	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	1032.3279	1175.5095	0.0000	0.0000	0	0.00		
			<u>857,663</u>					<u>80,000.00</u>	<u>0.00</u>	<u>20 653 670.00</u>	<u>0.00</u>
		Total	978,237					85,161.00	76,538,285.50	31 267 392.00	129 687 462 950.30
Future											
Sep 2018	EUUS	Future	40	1.1676	1.1626	1.1694	1.1691	7,103	82,629,794.00		
			<u>40</u>					<u>7,103.00</u>	<u>82,629,794.00</u>	<u>744 055.00</u>	<u>8 440 571 735.00</u>
		Total	40					7,103.00	82,629,794.00	744 055.00	8 440 571 735.00
Future											
Sep 2018	GBUS	Future	500	1.3093	1.3023	0.0000	0.0000	0	0.00		

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			500					0.00	0.00	167 866.00	2 159 649 829.00
		Total	500					0.00	0.00	167 866.00	2 159 649 829.00
Future											
Sep 2018	ZAAD	Future	12,081	10.6000	10.7299	0.0000	0.0000	571	6,126,772.90		
Dec 2018	ZAAD	Future	11,602	10.7276	10.8646	10.7243	10.7003	968	10,470,450.90		
Mar 2019	ZAAD	Future	520	10.8715	11.0135	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	11.0112	11.1580	0.0000	0.0000	0	0.00		
			29,132					1,539.00	16,597,223.80	3 697 111.00	32 131 067 785.00
		Total	29,132					1,539.00	16,597,223.80	3 729 488.00	32 131 067 785.00
Future											
Dec 2018	ZACA	Future	600	11.4865	11.7083	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											
Sep 2018	ZADK	Future	245	2.3220	2.3545	0.0000	0.0000	0	0.00		
Dec 2018	ZADK	Future	240	2.3687	2.4025	0.0000	0.0000	0	0.00		
			485					0.00	0.00	12 090.00	260 091 854.00
		Total	485					0.00	0.00	12 090.00	260 091 854.00
Future											
Sep 2018	ZAEU	Future	48,526	17.2259	17.4685	17.2702	17.1264	43,666	748,105,247.90		
Dec 2018	ZAEU	Future	84,213	17.5409	17.7995	17.6263	17.5292	48,015	838,326,132.50		
Mar 2019	ZAEU	Future	5,496	17.9093	18.1756	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	18.2565	18.5311	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	Future	6,161	18.6422	18.9266	0.0000	0.0000	0	0.00		
			149,652					91,681.00	1,586,431,380.40	15 373 251.00	220 359 980 689.20
Option											
Sep 2018	ZAEU	13.50 Put	29,734	0.0000	0.0000	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	57,090	0.0000	0.0000	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	0.5306	0.2116	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	490.0703	721.6333	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	0.2528	1.0308	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	15.60 Put	461,361	118.5234	0.0000	0.0000	0.0000	461,361	0.00		
Mar 2019	ZAEU	16.00 Call	650	2085.4416	2326.3837	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	17.33 Put	461,361	618.8078	0.0000	0.0000	0.0000	461,361	0.00		
Mar 2019	ZAEU	19.65 Call	461,361	466.3446	0.0000	0.0000	0.0000	461,361	0.00		
			1,674,939					1,384,083.00	0.00	9 409 095.00	0.00
		Total	1,824,591					1,475,764.00	1,586,431,380.40	24 782 346.00	220 359 980 689.20

<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>	
Future										
Sep 2018	ZAFR	Future	882	15.2459	15.4791	0.0000	0.0000	893	13,537,880.00	
Dec 2018	ZAFR	Future	1,648	15.5388	15.7875	0.0000	0.0000	1,741	26,927,575.60	
Jun 2019	ZAFR	Future	150	16.2067	16.4710	0.0000	0.0000	0	0.00	
			<u>2,680</u>					<u>2,634.00</u>	<u>40,465,455.60</u>	<u>619 594.00</u>
		Total	2,680					2,634.00	40,465,455.60	619 594.00
6 652 747 744.40										
Future										
Sep 2018	ZAGB	Future	29,785	19.3165	19.5676	19.3995	19.3995	16,328	313,628,687.60	
Dec 2018	ZAGB	Future	488,879	19.6136	19.8801	19.7656	19.5000	18,092	353,133,420.40	
Mar 2019	ZAGB	Future	4,932	19.9568	20.2288	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,856	20.2750	20.5549	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	10,026	20.6249	20.9155	0.0000	0.0000	0	0.00	
			<u>539,478</u>					<u>34,420.00</u>	<u>666,762,108.00</u>	<u>12 703 373.00</u>
		Total	539,478					34,420.00	666,762,108.00	12 703 373.00
215 850 839 939.50										
Option										
Mar 2019	ZAGB	18.00 Put	500	287.3467	247.0947	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	580.2726	693.5207	0.0000	0.0000	0	0.00	
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 775 113.00</u>
		Total	540,478					34,420.00	666,762,108.00	14 478 486.00
215 850 839 939.50										
Future										
Sep 2018	ZAJY	Future	115	0.1319	0.1350	0.0000	0.0000	0	0.00	
Dec 2018	ZAJY	Future	6,905	0.1343	0.1375	0.0000	0.0000	0	0.00	
			<u>7,020</u>					<u>0.00</u>	<u>0.00</u>	<u>1 014 882.00</u>
		Total	7,020					0.00	0.00	1 014 882.00
11 375 646 502.50										
Future										
Jun 2019	ZAKS	Future	2,166	0.1452	0.1487	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										
Sep 2018	ZATR	Future	6,000	2.3873	2.3678	0.0000	0.0000	0	0.00	
Dec 2018	ZATR	Future	6,000	2.2947	2.2711	0.0000	0.0000	0	0.00	
			<u>12,000</u>					<u>0.00</u>	<u>0.00</u>	<u>365 969.00</u>
		Total	12,000					0.00	0.00	365 969.00
1 189 127 971.00										
Future										
Sep 2018	ZAUM	Future	172	14.7530	15.0258	0.0000	0.0000	0	0.00	
Dec 2018	ZAUM	Future	316	14.9242	15.2071	0.0000	0.0000	50	74,177,500.00	
Mar 2019	ZAUM	Future	10	15.1089	15.3972	0.0000	0.0000	0	0.00	

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		498					50.00	74,177,500.00	152 937.00	176 734 036 710.00
	Total	498					50.00	74,177,500.00	157 460.00	176 734 036 710.00

Future

Sep 2018	ZAUS	Future	308,991	14.7530	15.0258	14.9320	14.6312	128,372	1,899,832,103.60		
Dec 2018	ZAUS	Future	617,407	14.9242	15.2071	15.1175	14.8100	198,971	2,981,803,869.90		
Mar 2019	ZAUS	Future	30,855	15.1089	15.3972	15.2779	15.0215	1,272	19,149,045.90		
Jun 2019	ZAUS	Future	19,910	15.2806	15.5748	0.0000	0.0000	750	11,400,000.00		
Sep 2019	ZAUS	Future	17,436	15.4677	15.7693	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	3,966	15.8738	16.1802	0.0000	0.0000	0	0.00		
			998,565					329,365.00	4,912,185,019.40	185 275 292.00	2 212 227 190 466.00

Option

Sep 2018	ZAUS	11.48 Put	5,200	0.0000	0.0000	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	0.0000	0.0000	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	0.0000	0.0000	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	0.0000	0.0004	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	0.0000	0.0022	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	0.0000	0.0046	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	0.0000	0.0169	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	2503.0000	2775.8364	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	0.0000	0.0364	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	0.0000	0.0380	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	0.0000	0.0408	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	3,600	2253.0000	2525.8455	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	44,000	0.0000	0.0455	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	0.0000	0.0490	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	0.0000	0.0504	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	0.0000	0.0523	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	1983.0001	2255.8586	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	1953.0002	2225.8603	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Put	500	0.0002	0.0603	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	0.0005	0.0634	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	1753.0041	2025.8738	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	70,000	0.0041	0.0738	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.10 Put	2,500	0.0150	0.0820	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	1553.0480	1825.8915	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,500	0.0480	0.0915	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	10,000	0.0598	0.0936	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	1503.0824	1775.8969	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	0.0824	0.0969	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	500	1453.1375	1725.9027	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	500	1253.4516	1525.9318	0.0000	0.0000	0	0.00

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Sep 2018	ZAUS	13.60 Call	26,000	1153.8020	1425.9882	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	0.8020	0.1882	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	1104.0629	1376.0501	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	759.7956	1027.5015	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	22,000	6.7956	1.7015	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	566.9850	830.5507	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.50 Call	500	296.6486	544.9500	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	146.9087	370.0277	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	46.6157	158.1429	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Put	50	293.6157	132.3429	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	2.3160	9.9013	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	1.9404	8.2350	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	1.5235	6.3751	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	1.0468	4.4141	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	8.3287	6.5489	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	9.2504	7.2033	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	10.6810	8.2074	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	12.1583	8.9578	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	12.4770	9.1165	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	13.8345	9.7813	0.0000	0.0000	4,080	0.00
Dec 2018	ZAUS	12.20 Put	7,300	15.7326	11.0243	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	16.7736	11.8790	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	19.8012	14.3970	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2447.2594	2724.2521	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	23.0594	17.1521	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	27.1741	20.6809	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	28.9386	22.2082	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	31.5962	24.5214	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	40.5547	32.4082	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	1967.3518	2241.8140	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	43.1518	34.7140	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	45.9092	37.1691	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	48.8362	39.7812	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1779.4393	2052.6166	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	56.6124	46.7511	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1732.9356	2005.7583	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	58.7356	48.6583	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	63.9920	53.3877	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	64.7788	54.0974	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1551.7650	1820.3929	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	77.5650	63.2929	0.0000	0.0000	8,160	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1509.2617	1774.6249	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.50 Put	29,800	85.0617	67.5249	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	101.6523	76.7606	0.0000	0.0000	132,000	0.00
Dec 2018	ZAUS	13.68 Put	13,150	116.5427	84.9512	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	120.4985	87.1274	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	130.8100	95.1919	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1281.4914	1527.3864	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	139.5023	102.0266	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1265.9363	1510.8888	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	141.7363	103.7888	0.0000	0.0000	800	0.00
Dec 2018	ZAUS	13.90 Put	35,000	165.4966	122.6467	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	1152.5566	1390.0396	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,200	1116.0877	1350.9285	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	68,250	191.8877	143.8285	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	221.0082	167.4492	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	227.1690	172.4756	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	1024.4893	1252.1282	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	236.6198	180.2063	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	240.0532	182.8363	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	978.3466	1200.7098	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	254.1466	193.6098	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	268.7344	204.8060	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	946.6607	1164.7701	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	291.5456	222.3964	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	897.5689	1108.6573	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	303.3689	231.5573	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	885.6065	1094.8970	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	311.4065	237.7970	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	327.8492	250.6088	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	833.2970	1034.3407	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	799.8034	996.7077	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	375.6034	289.6077	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	746.4045	936.9276	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	422.2045	329.8276	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	741.2317	931.1129	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	736.0858	925.3309	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	710.8034	896.8661	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	456.6034	359.7661	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	695.9881	880.1430	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	492.4441	391.1601	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	671.8789	852.8636	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	497.6789	395.7636	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	648.4885	826.3162	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.80 Put	135,000	524.2885	419.2162	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	630.2848	805.5996	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	579.6173	468.2856	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	10,000	563.5805	727.2794	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	20,700	639.3805	520.1794	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	559.7026	722.6186	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	529.6176	686.3297	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	525.9708	681.9116	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	508.1121	660.2287	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	766.6624	632.0946	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	800.0053	662.0915	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	833.9244	692.7147	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	436.5496	573.7068	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	410.3496	541.8313	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	404.7530	534.9977	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,000	399.2367	528.2563	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	975.0367	821.1563	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	396.5112	524.9156	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	375.3860	498.9888	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	370.2963	492.7179	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	348.4069	465.5174	0.0000	0.0000	4,080	0.00
Dec 2018	ZAUS	15.73 Call	135,000	341.4613	456.8096	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1233.0642	1059.2515	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	315.1608	423.6945	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	302.8661	408.1208	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	285.4199	385.9085	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	265.6298	360.5476	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	260.5080	353.9554	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	250.6022	341.1789	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	244.2406	332.9491	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	198.1969	274.7175	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	169.1672	237.8142	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	148.6137	210.3338	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	4.9997	3.5209	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	15.8266	13.4054	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	39.9881	25.4458	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	42.8757	27.5937	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	80.3977	56.8455	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	82.8362	58.8118	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	93.1533	67.1930	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	100.0698	72.8677	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	110.3877	81.4024	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	13.36 Put	134,750	151.7368	116.2931	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	171.8806	133.6017	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	223.5966	177.9259	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	228.9150	182.4002	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	242.5742	193.9191	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	253.8808	203.4829	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	274.4856	220.9934	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	286.7293	231.5258	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	318.8497	259.2760	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	332.3063	270.9563	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	420.4149	348.0666	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	1237.2287	1452.2462	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	448.5154	372.8609	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	489.2680	406.2703	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	1136.8867	1338.8732	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,000	517.4849	429.5027	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	531.9067	441.4089	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	546.5301	453.5070	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	14,200	638.5303	533.0713	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	681.6907	572.0331	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10	687.1838	577.0037	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	692.6939	581.9921	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	909.3674	1080.7625	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	807.2781	686.3039	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	855.3094	730.3648	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	861.3850	735.9652	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	824.7857	985.7584	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	898.2489	769.9741	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	904.4562	775.7137	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	980.3974	846.0778	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	724.4359	872.3528	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	721.1073	868.5365	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	695.0524	838.6476	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	657.8999	795.8863	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	614.5510	745.7729	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	592.9374	720.4926	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	20,000	564.8875	687.2972	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	533.7510	650.3026	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	479.5248	586.0904	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	437.3370	535.8675	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	374.0528	464.5446	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	372.4547	462.6065	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	17.02 Call	262,812	364.5924	453.0673	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	355.4215	441.9189	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	353.9184	440.0902	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	352.4231	438.2742	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	333.6828	415.4241	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	298.5070	372.3326	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	244.7903	305.9606	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	217.5791	263.2051	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	16.2919	15.8945	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	27.0608	28.8522	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	75.1624	56.4901	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	112.8351	86.0951	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	168.5419	130.8400	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	346.6483	282.6946	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	6,250	362.9937	298.9473	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1697.6823	1927.8642	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	1430.0181	1643.5249	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	1342.7738	1548.6402	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	1228.4711	1417.3786	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	939.8496	1099.0106	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	6,250	916.0272	1072.3033	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	857.8876	1006.9195	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	821.5164	965.8649	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	798.2772	0.0000	0.0000	0.0000	20	0.00
Sep 2019	ZAUS	10.75 Put	1,000	20.0605	23.7081	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	56.1086	44.8262	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	463.7628	379.6202	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	555.5294	480.2258	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	605.0168	526.2514	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.72 Put	1,200	782.9073	692.3542	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1163.6042	1039.5554	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.55 Call	30,000	1187.9908	1360.4388	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1276.6150	1147.2382	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	1076.6771	1240.5618	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	728.0556	849.0943	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	651.9656	762.2897	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	617.1941	722.0784	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	604.6358	707.5198	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	528.7334	619.1678	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	454.4488	520.1977	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	58.5310	63.5062	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	388.6101	330.1451	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	17.38 Call	1,000	914.5138	1046.8606	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	578.9404	648.2285	0.0000	0.0000	0	0.00	
			<u>6,977,209</u>					<u>149,140.00</u>	<u>0.00</u>	<u>58 396 095.00</u>
		Total	7,975,774					478,505.00	4,912,185,019.40	243 671 387.00
										2 212 227 190 466.00

Grand Total	11,554,297						2,085,176.00	7 455 786 766.70	332,249,471	3,074,521,363,487.42
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