



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 10-September-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	661.3297	645.4339	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	17.7672	17.6662	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	223.1207	251.1002	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	30,200	261.2701	292.5036	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	31,200	441.7326	486.5138	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	1183.6441	1179.2271	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	19.8504	19.6785	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	48	19.9123	19.7404	0.0000	0.0000	0	0.00		
			<u>62</u>					<u>0.00</u>	<u>0.00</u>	<u>53 817.00</u>	<u>883 082 673.80</u>
		Total	62					0.00	0.00	261 130.00	883 082 673.80
Future											
Sep 2018	DAUS	Future	300	15.2212	15.1548	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	15.2296	15.1632	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,673	15.2358	15.1695	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	15.2442	15.1779	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,600	15.2713	15.2054	0.0000	0.0000	600	9,218,580.00		
Oct 2018	DAUS	Future	235	15.2755	15.2096	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	15.2923	15.2265	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	15.3007	15.2349	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	Future	4,847	15.3049	15.2392	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	15.3070	15.2413	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	15.3322	15.2666	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	24	15.3364	15.2708	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	420	15.3385	15.2729	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	15.3658	15.3001	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	7,449	15.3679	15.3022	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,387	15.4321	15.3659	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	15.4361	15.3700	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	15.4935	15.4269	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	15.4955	15.4289	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	15.5221	15.4554	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	15.5529	15.4859	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	15.6082	15.5408	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	400	15.6123	15.5449	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	15.6205	15.5530	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	15.6780	15.6101	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	15.7417	15.6733	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	15.8063	15.7378	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	15.8715	15.8031	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	15.9389	15.8704	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	16.0065	15.9388	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	16.0739	16.0071	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	16.1484	16.0825	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	16.2205	16.1555	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	16.2880	16.2238	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	16.3601	16.2968	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	16.4323	16.3698	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	16.4951	16.4334	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	16.5742	16.5134	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	16.7045	16.6453	0.0000	0.0000	0	0.00		
			<u>121,062</u>					<u>600.00</u>	<u>9,218,580.00</u>	<u>10 607 188.00</u>	<u>129 590 091 727.80</u>
Option											
Sep 2018	DAUS	13.30 Put	747	0.1026	0.4989	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	15.25 Put	20,000	184.2892	274.2613	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	15.00 Call	7,500	328.6631	321.4035	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	14.48 Put	40,000	35.7109	63.9139	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.00 Put	500	1.1358	2.2554	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.78 Call	500	1464.5873	1402.4700	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	9.2051	13.6765	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	14.25 Put	250	26.0963	42.3274	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	14.54 Call	250	748.9328	716.7103	0.0000	0.0000	0	0.00		

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Sep 2018	DAUS	16.25 Call	500	69.1252	85.5305	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	29.4011	40.9737	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	9.9110	14.6592	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	1325.9260	1279.9834	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	12.5960	18.0829	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	36.2430	52.6989	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	1424.5603	1379.2212	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	98.7094	130.2313	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	844.2763	828.1315	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	190.8346	210.9403	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	121.5604	140.4338	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.85 Put	1,100	286.1866	343.6092	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.50 Call	1,100	439.6331	451.8284	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	3.6365	5.1873	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	49.5957	68.9769	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	162.1204	182.9715	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	1.4706	2.2485	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	4.0039	5.4432	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	2146.4865	2089.5441	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	10,000	87.1817	113.3503	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	893.3148	882.2333	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	881.1368	870.7900	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	793.9153	788.8811	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	345.4153	405.9811	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	834.4197	827.1078	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	987.2170	972.0382	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.31 Call	10,000	620.6697	0.0000	0.0000	0.0000	20,000	0.00
Nov 2018	DAUS	13.00 Put	500	27.1527	34.4111	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	76.5472	99.1598	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	1412.1872	1377.7255	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	161.9981	198.8821	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	898.3915	890.7789	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	270.8828	292.4850	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	186.1139	206.9324	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	690.6110	766.6405	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	99.9346	126.5096	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	185.8317	224.9251	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	399.3466	460.9318	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	605.0755	677.4539	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	76.3060	93.9823	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	99.4607	124.6612	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	808.2748	807.7005	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	15.69 Call	20,000	558.1251	570.4777	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	116.7583	143.6262	0.0000	0.0000	371	0.00
Dec 2018	DAUS	14.30 Put	35,000	208.2510	247.1307	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	427.3770	486.3689	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	633.9664	703.5098	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	47.7291	57.4153	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	54.5269	65.8053	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	1077.5662	1063.1672	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	1024.5320	1012.9468	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	38.8756	46.4546	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	113.1302	134.0584	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	1412.8197	1382.9550	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	208.7600	245.9557	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	472.2303	532.7797	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	330.1664	348.0268	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	236.4333	254.2870	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	26.5834	31.2924	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	47.4580	55.8711	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	250.8417	288.3246	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	1406.2523	1380.5449	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	974.8913	969.6599	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	52.5558	61.3426	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	285.1573	322.8453	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	1408.1581	1385.7243	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	1008.4173	1003.5341	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	58.0760	67.5057	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	316.2180	353.4416	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	1409.1402	1388.2486	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	1034.2099	1030.4146	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	63.6953	73.8246	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	2327.5570	2280.0018	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	345.5088	382.7629	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	1409.7263	1391.5968	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	1058.2655	1056.0756	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	68.5573	83.1774	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	372.6076	410.1607	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	1413.5563	1399.4814	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	1081.8435	1079.2486	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	71.9865	82.0606	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	395.4927	431.3411	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	1418.7788	1406.1792	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	1099.8623	1097.8368	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	13.45 Put	39,250	153.6541	171.8484	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	956.5175	958.9748	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	75.2174	86.1731	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	418.9269	455.8761	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	1436.2235	1425.2468	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	1127.9791	1126.7048	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	512.0351	553.0333	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	1093.1089	1093.3104	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	77.2283	88.5149	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	431.0168	475.8702	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	1442.5746	1433.9332	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	1144.7838	1144.2633	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	588.9479	602.3768	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	75.9538	96.3968	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	444.3506	486.2034	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1468.9932	1462.1284	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	1178.8635	1179.4956	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	98.4766	118.7956	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	463.6370	504.6225	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1491.5263	1486.9224	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	1209.8436	1211.5016	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	115.2822	136.5370	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	477.8189	520.9067	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1519.2723	1517.2089	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	1243.2651	1245.7490	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	131.5315	153.3310	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	495.4257	535.8735	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1548.7178	1545.9740	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	1280.1442	1283.5510	0.0000	0.0000	0	0.00		
			<u>798,410</u>					<u>20,371.00</u>	<u>0.00</u>	<u>20 533 670.00</u>	<u>0.00</u>
Total			919,472					20,971.00	9,218,580.00	31 140 858.00	129 590 091 727.80
Future											
Sep 2018	EUUS	Future	7,143	1.1609	1.1593	0.0000	0.0000	0	0.00		
			<u>7,143</u>					<u>0.00</u>	<u>0.00</u>	<u>736 952.00</u>	<u>8 357 941 941.00</u>
Total			7,143					0.00	0.00	736 952.00	8 357 941 941.00
Future											
Sep 2018	GBUS	Future	250	1.3023	1.2967	0.0000	0.0000	0	0.00		
			<u>250</u>					<u>0.00</u>	<u>0.00</u>	<u>167 614.00</u>	<u>2 156 362 502.00</u>
Total			250					0.00	0.00	167 614.00	2 156 362 502.00

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Future											
Sep 2018	ZAAD	Future	12,144	10.8298	10.8240	10.8418	10.8418	116	1,257,648.80		
Dec 2018	ZAAD	Future	11,469	10.9662	10.9606	10.9646	10.9646	1	10,964.60		
Mar 2019	ZAAD	Future	520	11.1161	11.1094	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	11.2613	11.2540	0.0000	0.0000	0	0.00		
			<u>29,062</u>					<u>117.00</u>	<u>1,268,613.40</u>	<u>3 695 572.00</u>	<u>32 114 470 561.20</u>
		Total	29,062					117.00	1,268,613.40	3 727 949.00	32 114 470 561.20
Future											
Dec 2018	ZACA	Future	600	11.7206	11.6730	0.0000	0.0000	0	0.00		
			<u>600</u>					<u>0.00</u>	<u>0.00</u>	<u>137 653.00</u>	<u>1 355 055 071.60</u>
		Total	600					0.00	0.00	137 653.00	1 355 055 071.60
Future											
Sep 2018	ZADK	Future	245	2.3796	2.3655	0.0000	0.0000	0	0.00		
Dec 2018	ZADK	Future	240	2.4279	2.4135	0.0000	0.0000	0	0.00		
			<u>485</u>					<u>0.00</u>	<u>0.00</u>	<u>12 090.00</u>	<u>260 091 854.00</u>
		Total	485					0.00	0.00	12 090.00	260 091 854.00
Future											
Sep 2018	ZAEU	Future	93,669	17.6612	17.5597	17.6700	17.6636	1,699	29,966,982.00		
Dec 2018	ZAEU	Future	41,503	17.9981	17.8967	18.0200	17.9100	373	6,675,503.50		
Mar 2019	ZAEU	Future	5,496	18.3757	18.2710	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	18.7355	18.6284	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	Future	6,161	19.1331	19.0233	0.0000	0.0000	12,322	235,486,974.20		
			<u>152,085</u>					<u>14,394.00</u>	<u>272,129,459.70</u>	<u>15 279 088.00</u>	<u>218 729 987 796.90</u>
Option											
Sep 2018	ZAEU	13.50 Put	29,734	0.0200	0.0265	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	57,090	0.0254	0.0477	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	0.8137	3.7571	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	910.0585	820.7971	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	2.5915	5.6843	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	16.00 Call	650	2517.2320	2439.8908	0.0000	0.0000	0	0.00		
			<u>290,856</u>					<u>0.00</u>	<u>0.00</u>	<u>8 025 012.00</u>	<u>0.00</u>
		Total	442,941					14,394.00	272,129,459.70	23 304 100.00	218 729 987 796.90
Future											
Sep 2018	ZAFR	Future	1,775	15.6491	15.6626	0.0000	0.0000	0	0.00		
Dec 2018	ZAFR	Future	755	15.9623	15.9782	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	16.6504	16.6660	0.0000	0.0000	0	0.00		
			<u>2,680</u>					<u>0.00</u>	<u>0.00</u>	<u>616 960.00</u>	<u>6 612 282 288.80</u>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Total			2,680					0.00	0.00	616 960.00	6 612 282 288.80
Future											
Sep 2018	ZAGB	Future	30,205	19.8118	19.6397	19.7000	19.7000	162,907	3,205,227,439.50		
Dec 2018	ZAGB	Future	473,040	20.1303	19.9574	20.0900	19.9574	163,229	3,265,424,313.80		
Mar 2019	ZAGB	Future	4,932	20.4830	20.3055	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	5,856	20.8152	20.6337	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	10,026	21.1813	20.9998	0.0000	0.0000	10,762	227,676,567.20		
Total			524,059					336,898.00	6,698,328,320.50	12 667 865.00	215 162 372 944.20
Option											
Mar 2019	ZAGB	18.00 Put	500	223.8437	269.9060	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	813.3543	790.0739	0.0000	0.0000	0	0.00		
Total			1,000					0.00	0.00	1 775 113.00	0.00
Total			525,059					336,898.00	6,698,328,320.50	14 442 978.00	215 162 372 944.20
Future											
Sep 2018	ZAJY	Future	115	0.1369	0.1363	0.0000	0.0000	6,905	95,081,850.00		
Dec 2018	ZAJY	Future	6,905	0.1395	0.1389	0.0000	0.0000	6,905	96,946,200.00		
Total			7,020					13,810.00	192,028,050.00	1 014 882.00	11 375 646 502.50
Total			7,020					13,810.00	192,028,050.00	1 014 882.00	11 375 646 502.50
Future											
Sep 2018	ZAKS	Future	0	0.1510	0.1502	0.0000	0.0000	562	8,424,380.00		
Jun 2019	ZAKS	Future	2,166	0.1494	0.1493	0.0000	0.0000	1,076	15,720,360.00		
Total			2,166					1,638.00	24,144,740.00	38 066.00	515 662 000.00
Total			2,166					1,638.00	24,144,740.00	38 066.00	515 662 000.00
Future											
Sep 2018	ZATR	Future	6,000	2.3486	2.3522	0.0000	0.0000	0	0.00		
Dec 2018	ZATR	Future	6,000	2.2520	2.2551	0.0000	0.0000	0	0.00		
Total			12,000					0.00	0.00	365 969.00	1 189 127 971.00
Total			12,000					0.00	0.00	365 969.00	1 189 127 971.00
Future											
Sep 2018	ZAUM	Future	174	15.2127	15.1463	0.0000	0.0000	171	260,091,000.00		
Dec 2018	ZAUM	Future	316	15.3972	15.3314	0.0000	0.0000	171	263,416,950.00		
Mar 2019	ZAUM	Future	10	15.5897	15.5225	0.0000	0.0000	0	0.00		
Total			500					342.00	523,507,950.00	152 885.00	176 656 835 550.00
Total			500					342.00	523,507,950.00	157 408.00	176 656 835 550.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>		
Sep 2018	ZAUS	Future	355,595	15.2127	15.1463	15.3200	15.1400	363,010	5,514,857,213.10		
Dec 2018	ZAUS	Future	621,095	15.3972	15.3314	15.5055	15.3401	463,164	7,125,823,821.50		
Mar 2019	ZAUS	Future	30,826	15.5897	15.5225	15.5789	15.5584	13	202,320.70		
Jun 2019	ZAUS	Future	19,910	15.7705	15.7020	0.0000	0.0000	500	7,857,500.00		
Sep 2019	ZAUS	Future	17,436	15.9692	15.9011	0.0000	0.0000	4,504	71,843,754.40		
Mar 2020	ZAUS	Future	3,966	16.3927	16.3298	0.0000	0.0000	2,420	39,491,980.00		
			<u>1,048,828</u>					<u>833,611.00</u>	<u>12,760,076,589.70</u>	<u>184 755 201.00</u>	<u>2 204 419 371 642.00</u>

Option

Sep 2018	ZAUS	11.48 Put	5,200	0.0000	0.0344	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	0.0000	0.0346	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	0.0000	0.0360	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	0.0001	0.0379	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	0.0006	0.0392	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	0.0012	0.0398	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	0.0046	0.0410	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	2962.7320	2896.3664	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	0.0320	0.0664	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	0.0361	0.0772	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	0.0439	0.0983	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	3,600	2712.7588	2646.4411	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	44,000	0.0588	0.1411	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	0.0717	0.1794	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	0.0772	0.1963	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	0.0853	0.2213	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	2442.8153	2376.6168	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	2412.8244	2346.6465	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Put	500	0.1244	0.3465	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	0.1413	0.4021	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	2212.9079	2146.9281	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	70,000	0.2079	0.6281	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.10 Put	2,500	0.2699	0.8445	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	2013.0516	1947.4345	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,500	0.3516	1.1345	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	10,000	0.3709	1.2034	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	1963.1018	1897.6145	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	0.4018	1.3145	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	500	1913.1597	1847.8225	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	500	1713.4946	1649.0320	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	1613.7510	1549.9521	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	1.0510	3.6521	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	1563.9106	1500.5199	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	1215.7729	1153.6353	0.0000	0.0000	0	0.00

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Sep 2018	ZAUS	14.00 Put	22,000	3.0729	7.3353	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	1018.0818	956.8415	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.50 Call	500	727.0895	672.6592	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	547.6233	508.4804	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	316.4431	310.0718	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Put	50	103.7431	163.7718	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	27.2817	47.0914	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	23.0638	40.5027	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	18.2220	32.6252	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	12.9314	23.5581	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	7.1961	8.3556	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	7.8513	9.0902	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	8.8462	10.2026	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	9.5821	11.0233	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	9.7367	11.1957	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	10.3831	11.9147	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	11.2554	12.8837	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	11.7209	13.4001	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	13.7802	15.8649	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2913.6869	2850.5954	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	16.4869	19.1954	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	19.9556	23.4876	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	21.4570	25.3502	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	23.7307	28.1761	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	31.4725	37.8220	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	2430.9324	2372.0401	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	33.7324	40.6401	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	36.1366	43.6392	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	38.6929	46.8278	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	2241.4953	2185.2105	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	45.4992	55.3097	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	2194.5586	2139.0256	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	47.3586	57.6256	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	51.9637	63.3541	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	52.6531	64.2108	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	2008.7774	1956.6844	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	61.5774	75.2844	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1962.8737	1911.7549	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	65.6737	80.3549	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	74.5913	91.3620	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	82.4731	101.0538	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	84.5540	103.6069	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.71 Put	20	85.6101	104.9035	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	89.9562	110.2256	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1710.5389	1665.7628	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	94.4913	115.7701	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1692.8560	1648.6059	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	95.6560	117.2059	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	110.3146	136.9087	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	1566.7205	1528.9833	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,400	1526.4637	1490.2200	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	68,250	129.2637	158.8200	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	150.4165	183.0310	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	154.9214	188.1563	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	1424.4088	1392.1559	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	161.8535	196.0250	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	164.2091	198.6946	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	1371.0767	1341.0203	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	173.8767	209.6203	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	183.9255	220.9371	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	1333.6988	1305.2291	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	199.7299	238.6538	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	1275.1637	1249.2475	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	207.9637	247.8475	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	1260.7791	1235.5030	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	213.5791	254.1030	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	20	1239.3903	1215.0764	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	225.1087	266.9165	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	1197.2910	1174.9050	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	1156.1148	1135.6512	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	5,500	258.9148	304.2512	0.0000	0.0000	22,100	0.00
Dec 2018	ZAUS	14.60 Call	84,900	1089.5619	1072.2996	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	292.3619	340.8996	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	1083.0478	1066.4185	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	1076.5626	1060.5652	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	1045.1489	1031.7129	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	317.9489	370.3129	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	1027.1922	1014.7351	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	346.4513	401.0830	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	997.8358	986.9884	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	350.6358	405.5884	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	969.1891	959.9202	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	371.9891	428.5202	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	946.7779	938.7540	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.90 Put	35,000	416.8019	476.4059	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	10,000	861.5848	858.3234	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	10,700	464.3848	526.9234	0.0000	0.0000	10,700	0.00
Dec 2018	ZAUS	15.01 Call	10,000	856.4953	853.5177	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	816.7289	815.9856	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	811.8802	811.4071	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	788.0223	788.8826	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	567.6115	635.5719	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	595.0437	664.2610	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	623.1055	693.5347	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	690.6250	696.9288	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	654.5370	662.6603	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	646.8124	655.2851	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,000	639.1797	647.9955	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	741.9797	816.5955	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	635.3992	644.3809	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	605.9558	616.2281	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	598.8152	609.3949	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,580	567.7457	579.6281	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	557.7674	570.0575	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	965.5312	1044.9966	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	519.6619	533.4444	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	501.6578	516.1102	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	475.8954	491.2636	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	446.3466	462.7106	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	438.6418	455.3026	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	423.7460	440.8916	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	414.1421	431.5777	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	345.6318	364.8155	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	302.8290	322.7564	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	271.3816	291.0641	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	3.5642	4.5438	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	14.2932	15.8581	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	19.7291	23.9470	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	20.4434	26.1040	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	45.4577	55.9147	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	47.1833	57.9345	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	54.5839	66.5618	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	59.6308	72.4138	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	67.2689	81.2246	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	98.9522	117.3157	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	114.8764	135.2332	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	13.68 Put	14,200	156.0803	181.0933	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	160.2663	185.7192	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	171.0631	197.6211	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	180.0456	207.4971	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	196.5142	225.5469	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	206.3584	236.3027	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	232.3706	264.2343	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	243.3427	275.8154	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	314.1273	352.0610	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	1610.2474	1581.4413	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	336.9496	376.5007	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	367.7614	409.3921	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	1491.6920	1467.0445	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,000	389.2289	432.2412	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	400.2425	443.9412	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	411.4417	455.8207	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	14,200	482.5164	530.9532	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	516.9268	568.8866	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10	521.5780	573.7646	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	526.2469	578.6636	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	1213.6786	1201.6051	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	624.1704	681.0378	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	665.6888	724.2571	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	670.9735	729.7509	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	1112.0019	1104.4080	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	703.0890	763.1046	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	708.5147	768.7295	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	775.1293	837.7238	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	990.1152	987.9425	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	986.0349	984.0485	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	954.0597	953.1350	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	907.8914	908.2458	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	853.1975	855.4051	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	825.5251	828.6481	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	20,000	789.1063	793.4089	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	748.3925	753.9765	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	676.7329	684.6429	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	620.7770	630.2709	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	541.0467	552.4849	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	539.0238	550.5066	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	529.0404	540.7439	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	517.3729	529.0023	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	17.09 Call	106,824	515.4626	527.0228	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	17.10 Call	2,500	513.5613	525.0521	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	17.23 Call	41,300	488.7027	500.2282	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	17.50 Call	16,000	440.5046	453.1221	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	18.00 Call	14,200	365.7236	379.7198	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	18.40 Call	7,100	317.1348	331.7613	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	14.2410	16.0421	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	30.3984	31.7584	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	44.6470	51.4449	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	69.8220	79.9849	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	108.7500	123.6356	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	245.1310	273.6309	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	6,250	259.9811	289.7679	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	1,000	2081.7704	2045.6663	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	1794.5458	1766.3494	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	1695.6536	1670.6519	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	1555.8990	1535.6050	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	1214.3096	1208.3037	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	6,250	1186.6872	1181.7166	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	1118.3815	1115.0941	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	1074.2702	1072.3701	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	22.1867	22.6917	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	45.9947	47.5146	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	330.1661	363.1182	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	424.5516	463.6377	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	634.4316	679.3685	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	960.9129	1017.8808	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.55 Call	30,000	1478.1454	1469.4820	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1064.8416	1124.4263	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	1353.7526	1349.4042	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	936.7309	943.3516	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	844.7988	853.4058	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	801.6704	811.3365	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	786.0395	796.0746	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	690.9870	703.1860	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	56.1288	63.3718	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	276.0434	313.0297	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	1144.6356	1149.9869	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	713.2934	732.3128	0.0000	0.0000	0	0.00		
			<u>6,895,207</u>					<u>32,800.00</u>	<u>0.00</u>	<u>58 130 413.00</u>	<u>0.00</u>
	Total		7,944,035					866,411.00	12,760,076,589.70	242 885 614.00	2 204 419 371 642.00

<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>
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Grand Total	10,073,509						1,254,581.00	20 480 702 303.30	329,811,816	3,064,077,257,184.92
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