



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 07-September-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	645.4339	662.7441	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											
Sep 2018	DAEU	Future	0	17.4789	17.9010	0.0000	0.0000	34	596,700.00		
Oct 2018	DAEU	Future	34	17.6662	17.6875	0.0000	0.0000	34	601,375.00		
			<u>34</u>					<u>68.00</u>	<u>1,198,075.00</u>	<u>801 328.00</u>	<u>11 965 949 271.80</u>
Option											
Aug 2019	DAEU	16.03 Put	31,200	251.1002	208.7293	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	30,200	292.5036	244.8672	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	31,200	486.5138	416.1241	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	1179.2271	1355.6691	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					68.00	1,198,075.00	2 099 315.00	11 965 949 271.80
Future											
Sep 2018	DAGB	Future	14	19.6785	19.9762	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	48	19.7404	20.0385	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	0	15.1058	15.3764	0.0000	0.0000	20,000	302,116,000.00		
Sep 2018	DAUS	Future	300	15.1548	15.3936	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	15.1632	15.4021	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,673	15.1695	15.4084	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	15.1779	15.4169	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,000	15.2054	15.4446	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	15.2096	15.4489	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	70	15.2265	15.4661	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	15.2349	15.4747	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	4,847	15.2392	15.4790	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	15.2413	15.4812	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	15.2666	15.5070	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	24	15.2708	15.5112	0.0000	0.0000	24	370,560.00
Nov 2018	DAUS	Future	420	15.2729	15.5133	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	461	15.3001	15.5407	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	7,449	15.3022	15.5428	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	3,387	15.3659	15.6075	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	15.3700	15.6116	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	15.4269	15.6697	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	15.4289	15.6718	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	15.4554	15.6987	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	4,725	15.4859	15.7298	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	15.5408	15.7859	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	400	15.5449	15.7900	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	15.5530	15.7984	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	15.6101	15.8565	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	15.6733	15.9209	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	15.7378	15.9870	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	15.8031	16.0537	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	15.8704	16.1227	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.9388	16.1923	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	16.0071	16.2613	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	16.0825	16.3374	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	16.1555	16.4112	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	16.2238	16.4802	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	16.2968	16.5540	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	16.3698	16.6278	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	16.4334	16.6921	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	16.5134	16.7730	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	16.6453	16.9063	0.0000	0.0000	0	0.00
			<u>120,462</u>					<u>20,024.00</u>	<u>302,486,560.00</u>
									<u>10 606 588.00</u>
									<u>129 580 873 147.80</u>
Option									
Sep 2018	DAUS	13.30 Put	747	0.4989	0.7411	0.0000	0.0000	0	0.00
Sep 2018	DAUS	15.25 Put	20,000	274.2613	173.9777	0.0000	0.0000	0	0.00
Sep 2018	DAUS	15.00 Call	7,500	321.4035	500.4243	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.48 Put	40,000	63.9139	48.1214	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	2.2554	2.2510	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	1402.4700	1638.0031	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	13.6765	9.9765	0.0000	0.0000	0	0.00

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Sep 2018	DAUS	14.25 Put	250	42.3274	31.7142	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.54 Call	250	716.7103	931.2178	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	85.5305	143.6885	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	40.9737	75.2471	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	14.6592	13.7629	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	1279.9834	1502.3782	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	18.0829	16.0838	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	52.6989	43.4841	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	1379.2212	1600.1710	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	130.2313	97.0222	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	828.1315	1006.9594	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	210.9403	277.1485	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	140.4338	188.7694	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.85 Put	1,100	343.6092	267.3805	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.50 Call	1,100	451.8284	569.7181	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	5.1873	4.3363	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	68.9769	53.4855	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	182.9715	237.7941	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	2.2485	2.0279	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	5.4432	4.8014	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	2089.5441	2323.3438	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	10,000	113.3503	83.5266	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	882.2333	1049.9022	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	870.7900	1036.6583	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	788.8811	945.0186	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	405.9811	321.7186	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	827.1078	986.0777	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	972.0382	1146.6883	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	34.4111	27.3041	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	99.1598	79.7899	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	1377.7255	1579.4610	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	198.8821	151.9949	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	890.7789	1046.9822	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	292.4850	355.4009	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	206.9324	255.0386	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	766.6405	643.8424	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	126.5096	0.0000	0.0000	0.0000	30,000	0.00
Dec 2018	DAUS	14.30 Put	30,000	224.9251	0.0000	0.0000	0.0000	30,000	0.00
Dec 2018	DAUS	14.90 Put	30,000	460.9318	0.0000	0.0000	0.0000	30,000	0.00
Dec 2018	DAUS	15.30 Put	30,000	677.4539	0.0000	0.0000	0.0000	30,000	0.00
Dec 2018	DAUS	13.65 Put	20,000	93.9823	75.4378	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	124.6612	98.9251	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	15.08 Call	7,500	807.7005	946.5090	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	570.4777	676.1334	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	34,629	143.6262	0.0000	0.0000	0.0000	34,629	0.00
Dec 2018	DAUS	14.30 Put	35,000	247.1307	0.0000	0.0000	0.0000	35,000	0.00
Dec 2018	DAUS	14.90 Put	35,000	486.3689	0.0000	0.0000	0.0000	35,000	0.00
Dec 2018	DAUS	15.30 Put	35,000	703.5098	0.0000	0.0000	0.0000	35,000	0.00
Dec 2018	DAUS	13.20 Put	1,000	57.4153	44.7473	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	65.8053	51.6862	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	1063.1672	1231.0009	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	1012.9468	1173.0906	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	46.4546	35.4100	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	134.0584	108.9657	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	1382.9550	1574.4859	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	245.9557	194.5257	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	532.7797	439.1823	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	348.0268	413.0294	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	254.2870	305.4963	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	31.2924	22.5157	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	55.8711	42.9824	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	288.3246	234.9608	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	1380.5449	1564.4483	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	969.6599	1113.3592	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	61.3426	43.7387	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	322.8453	268.7619	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	1385.7243	1564.8357	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	1003.5341	1143.9253	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	67.5057	47.4949	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	353.4416	298.4453	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	1388.2486	1563.0868	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	1030.4146	1166.6634	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	73.8246	51.5010	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	2280.0018	2488.9543	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	382.7629	326.2650	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	1391.5968	1559.9585	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	1056.0756	1188.4791	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	83.1774	58.7356	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	410.1607	350.2999	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	1399.4814	1558.9828	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	1079.2486	1210.1362	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	82.0606	56.4691	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	431.3411	363.5990	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	1406.1792	1559.9667	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	15.96 Call	250	1097.8368	1227.4316	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	171.8484	130.2130	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	958.9748	1075.2716	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	86.1731	58.5901	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	455.8761	381.0082	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	1425.2468	1574.7848	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	1126.7048	1255.3076	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	553.0333	482.8718	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	1093.3104	1217.3254	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	88.5149	59.9787	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	475.8702	394.6041	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	1433.9332	1580.1107	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	1144.2633	1270.9866	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	602.3768	673.2443	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	96.3968	77.2344	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	486.2034	412.9917	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1462.1284	1609.5727	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	1179.4956	1308.2479	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	118.7956	99.2203	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	504.6225	438.3864	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1486.9224	1634.2229	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	1211.5016	1341.5371	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	136.5370	130.5747	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	520.9067	462.6570	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1517.2089	1665.0184	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	1245.7490	1377.3475	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	153.3310	142.9041	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	535.8735	481.9107	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1545.9740	1696.5477	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	1283.5510	1416.5592	0.0000	0.0000	0	0.00		
			<u>788,039</u>					<u>259,629.00</u>	<u>0.00</u>	<u>20 513 299.00</u>	<u>0.00</u>
	Total		908,501					279,653.00	302,486,560.00	31 119 887.00	129 580 873 147.80
Future											
Sep 2018	EUUS	Future	7,143	1.1593	1.1645	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	1.2967	1.2959	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>

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Total			250					0.00	0.00	167 614.00	2 156 362 502.00
Future											
Sep 2018	ZAAD	Future	12,197	10.8240	11.0902	10.8900	10.8900	25	272,250.00		
Dec 2018	ZAAD	Future	11,468	10.9606	11.2287	0.0000	0.0000	0	0.00		
Mar 2019	ZAAD	Future	520	11.1094	11.3800	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	11.2540	11.5269	0.0000	0.0000	0	0.00		
			<u>29,114</u>					<u>25.00</u>	<u>272,250.00</u>	<u>3 695 455.00</u>	<u>32 113 201 947.80</u>
Total			29,114					25.00	272,250.00	3 727 832.00	32 113 201 947.80
Future											
Dec 2018	ZACA	Future	600	11.6730	11.8267	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	2.3655	2.4144	0.0000	0.0000	0	0.00		
Dec 2018	ZADK	Future	240	2.4135	2.4633	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	97,775	17.5597	17.9161	17.7300	17.5179	192	3,381,187.00		
Dec 2018	ZAEU	Future	41,332	17.8967	18.2592	18.0945	17.9259	572	10,353,742.00		
Mar 2019	ZAEU	Future	5,496	18.2710	18.6402	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	18.6284	19.0030	0.0000	0.0000	0	0.00		
			<u>149,859</u>					<u>764.00</u>	<u>13,734,929.00</u>	<u>15 264 694.00</u>	<u>218 457 858 337.20</u>
Option											
Sep 2018	ZAEU	13.50 Put	29,734	0.0265	0.0000	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	57,090	0.0477	0.0313	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	3.7571	2.5216	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	820.7971	1169.5615	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	5.6843	19.8485	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	16.00 Call	650	2439.8908	2763.5157	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			440,715					764.00	13,734,929.00	23 289 706.00	218 457 858 337.20
Future											
Sep 2018	ZAFR	Future	1,775	15.6626	15.9084	0.0000	0.0000	0	0.00		
Dec 2018	ZAFR	Future	755	15.9782	16.2288	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	16.6660	16.9268	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
			2,680					0.00	0.00	616 960.00	6 612 282 288.80	
		Total	2,680					0.00	0.00	616 960.00	6 612 282 288.80	
Future												
	Sep 2018	ZAGB	Future	195,817	19.6397	19.9369	19.7000	19.6000	18	353,448.40		
	Dec 2018	ZAGB	Future	309,827	19.9574	20.2586	20.0749	19.9367	10	199,930.30		
	Mar 2019	ZAGB	Future	4,932	20.3055	20.6103	0.0000	0.0000	0	0.00		
	Jun 2019	ZAGB	Future	5,856	20.6337	20.9419	0.0000	0.0000	150	3,112,155.00		
	Sep 2019	ZAGB	Future	4,645	20.9998	21.3115	0.0000	0.0000	0	0.00		
				521,077					178.00	3,665,533.70	12 330 967.00	208 464 044 623.70
		Total							178.00	3,665,533.70	14 106 080.00	208 464 044 623.70
Option												
	Mar 2019	ZAGB	18.00 Put	500	269.9060	229.6339	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	21.44 Call	500	790.0739	920.2877	0.0000	0.0000	0	0.00		
				1,000					0.00	0.00	1 775 113.00	0.00
		Total		522,077					178.00	3,665,533.70	14 106 080.00	208 464 044 623.70
Future												
	Sep 2018	ZAJY	Future	6,905	0.1363	0.1388	0.0000	0.0000	0	0.00		
				6,905					0.00	0.00	1 001 072.00	11 183 618 452.50
		Total		6,905					0.00	0.00	1 001 072.00	11 183 618 452.50
Future												
	Sep 2018	ZAKS	Future	562	0.1502	0.1526	0.0000	0.0000	0	0.00		
	Jun 2019	ZAKS	Future	1,628	0.1493	0.1503	0.0000	0.0000	0	0.00		
				2,190					0.00	0.00	36 428.00	491 517 260.00
		Total		2,190					0.00	0.00	36 428.00	491 517 260.00
Future												
	Sep 2018	ZATR	Future	6,000	2.3522	2.3232	0.0000	0.0000	6,000	13,431,000.00		
	Dec 2018	ZATR	Future	6,000	2.2551	2.2269	0.0000	0.0000	0	0.00		
				12,000					6,000.00	13,431,000.00	365 969.00	1 189 127 971.00
		Total		12,000					6,000.00	13,431,000.00	365 969.00	1 189 127 971.00
Future												
	Sep 2018	ZAUM	Future	340	15.1463	15.3851	0.0000	0.0000	0	0.00		
	Dec 2018	ZAUM	Future	117	15.3314	15.5722	0.0000	0.0000	7	10,738,000.00		
	Mar 2019	ZAUM	Future	10	15.5225	15.7672	0.0000	0.0000	0	0.00		
				467					7.00	10,738,000.00	152 543.00	176 133 327 600.00
		Total		467					7.00	10,738,000.00	157 066.00	176 133 327 600.00

<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	484,193	15.1463	15.3851	15.2700	15.0889	99,312	1,508,362,559.80
Dec 2018	ZAUS	Future	425,727	15.3314	15.5722	15.4700	15.2800	228,897	3,520,717,501.80
Mar 2019	ZAUS	Future	30,826	15.5225	15.7672	15.6215	15.5067	60,011	935,870,688.50
Jun 2019	ZAUS	Future	19,410	15.7020	15.9503	0.0000	0.0000	200	3,139,000.00
Sep 2019	ZAUS	Future	15,184	15.9011	16.1542	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	Future	2,756	16.3298	16.5874	0.0000	0.0000	0	0.00
			<u>978,096</u>					<u>388,420.00</u>	<u>5,968,089,750.10</u>
									<u>183 921 590.00</u>
									<u>2 191 659 295 052.30</u>

Option

Sep 2018	ZAUS	11.48 Put	5,200	0.0344	0.0000	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	0.0346	0.0000	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	0.0360	0.0000	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	0.0379	0.0002	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	0.0392	0.0008	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	0.0398	0.0015	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	0.0410	0.0045	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	2896.3664	3135.1465	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	0.0664	0.0465	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	0.0772	0.0699	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	0.0983	0.0885	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	3,600	2646.4411	2885.2258	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	44,000	0.1411	0.1258	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	0.1794	0.1588	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	0.1963	0.1733	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	0.2213	0.1947	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	2376.6168	2615.3755	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	2346.6465	2585.4004	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Put	500	0.3465	0.3004	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	0.4021	0.3469	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	2146.9281	2385.6332	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	70,000	0.6281	0.5332	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.10 Put	2,500	0.8445	0.7090	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	1947.4345	2186.0414	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,500	1.1345	0.9414	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	10,000	1.2034	0.9961	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	1897.6145	2136.1841	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	1.3145	1.0841	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	500	1847.8225	2086.3481	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	500	1649.0320	1887.2833	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	1549.9521	1787.9803	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	3.6521	2.8803	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	1500.5199	1738.4060	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	1153.6353	1392.5531	0.0000	0.0000	0	0.00

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Sep 2018	ZAUS	14.00 Put	22,000	7.3353	7.4531	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	956.8415	1195.9173	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.50 Call	500	672.6592	904.8508	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	508.4804	719.1273	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	310.0718	487.0182	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Put	50	163.7718	101.9182	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	47.0914	101.8649	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	40.5027	90.4438	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	32.6252	76.3316	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	23.5581	56.0882	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	8.3556	7.4341	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	9.0902	8.0778	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	10.2026	9.0491	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	11.0233	9.7631	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	11.1957	9.9130	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	11.9147	10.5367	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	12.8837	11.3753	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	13.4001	11.8208	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	15.8649	13.0692	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2850.5954	3087.1556	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	19.1954	14.9556	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	23.4876	18.3462	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	25.3502	19.8212	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	28.1761	22.0612	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	37.8220	29.7349	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	2372.0401	2604.1843	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	40.6401	31.9843	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	43.6392	34.3807	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	46.8278	36.9310	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	2185.2105	2414.7297	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	55.3097	43.7335	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	2139.0256	2367.7943	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	57.6256	45.5943	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	63.3541	50.2027	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	64.2108	50.8928	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1956.6844	2182.0296	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	75.2844	59.8296	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1911.7549	2136.1316	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	80.3549	63.9316	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	91.3620	72.8562	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	101.0538	80.7371	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	103.6069	82.8160	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.71 Put	20	104.9035	83.8723	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	110.2256	88.2113	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1665.7628	1883.7865	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	115.7701	92.7358	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1648.6059	1866.0972	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	117.2059	93.8972	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	136.9087	0.0000	0.0000	0.0000	35,000	0.00
Dec 2018	ZAUS	13.95 Call	39,589	1528.9833	1735.0280	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,400	1490.2200	1692.0168	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	68,250	158.8200	119.8168	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	183.0310	139.5417	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	188.1563	143.7437	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	1392.1559	1588.0774	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	196.0250	150.2086	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	198.6946	152.4082	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	1341.0203	1533.6296	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	209.6203	161.4296	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	220.9371	170.8089	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	1305.2291	1495.4111	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	238.6538	0.0000	0.0000	0.0000	73,752	0.00
Dec 2018	ZAUS	14.33 Call	100	1249.2475	1435.4571	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	247.8475	193.2571	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	1235.5030	1420.7024	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	254.1030	198.5024	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	20	1215.0764	1398.7451	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	266.9165	0.0000	0.0000	0.0000	1,000	0.00
Dec 2018	ZAUS	14.44 Call	11,300	1174.9050	1355.4785	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	1135.6512	1313.0772	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	304.2512	240.8772	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	1072.2996	1244.3655	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	340.8996	272.1655	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	1066.4185	1237.6303	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	1060.5652	1230.9172	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	1031.7129	1197.7381	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	370.3129	295.5381	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	1014.7351	1178.1272	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	401.0830	320.1335	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	986.9884	1145.9478	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	405.5884	323.7478	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	959.9202	1115.9121	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	428.5202	343.7121	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	938.7540	1092.3912	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.90 Put	35,000	476.4059	0.0000	0.0000	0.0000	35,000	0.00
Dec 2018	ZAUS	15.00 Call	10,000	858.3234	1002.6183	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	853.5177	997.2335	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	815.9856	955.1013	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	811.4071	949.9513	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	788.8826	924.5871	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	635.5719	527.6595	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	664.2610	0.0000	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	15.30 Put	35,000	693.5347	0.0000	0.0000	0.0000	35,000	0.00
Dec 2018	ZAUS	15.37 Call	4,372	696.9288	820.4310	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	662.6603	781.1945	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	655.2851	772.7307	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,000	647.9955	764.3583	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	816.5955	692.1583	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	644.3809	760.2062	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	616.2281	727.8899	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	609.3949	720.0536	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,580	579.6281	685.8589	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	570.0575	674.8397	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1044.9966	903.8155	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	533.4444	632.6052	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	516.1102	612.5541	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	491.2636	583.7520	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	462.7106	550.5440	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	455.3026	541.8512	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	440.8916	524.9227	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	431.5777	513.9637	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	364.8155	435.4651	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	322.7564	385.8608	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	291.0641	349.6566	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	4.5438	3.5893	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	15.8581	15.5736	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	23.9470	19.6455	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	26.1040	19.8990	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	55.9147	36.4450	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	57.9345	37.9938	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	66.5618	44.6929	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	72.4138	49.3029	0.0000	0.0000	419	0.00
Mar 2019	ZAUS	13.12 Put	138,000	81.2246	56.3352	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	0	99.6017	71.2997	0.0000	0.0000	10,000	0.00
Mar 2019	ZAUS	13.36 Put	134,750	117.3157	86.0330	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	135.2332	101.1858	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	181.0933	140.8484	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	185.7192	144.9057	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	197.6211	155.3882	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	207.4971	164.1291	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	225.5469	180.1922	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	236.3027	189.8161	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	264.2343	215.3073	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	275.8154	226.0849	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	352.0610	296.3373	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	1581.4413	1769.6833	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	376.5007	318.1989	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	409.3921	347.7358	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	1467.0445	1648.5829	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,000	432.2412	368.3267	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	443.9412	378.8927	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	455.8207	389.6391	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	14,200	530.9532	457.9110	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	568.8866	490.3359	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10	573.7646	494.4781	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	578.6636	498.6402	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	1201.6051	1357.3283	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	681.0378	587.3124	0.0000	0.0000	419	0.00
Mar 2019	ZAUS	15.12 Put	99,824	724.2571	627.1118	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	729.7509	632.1788	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	1104.4080	1249.8482	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	763.1046	662.9987	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	768.7295	668.2059	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	837.7238	732.2192	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	987.9425	1121.8790	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	984.0485	1117.5838	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	953.1350	1083.8744	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	908.2458	1035.4463	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	855.4051	978.2809	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	828.6481	948.5665	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	20,000	793.4089	909.3457	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	753.9765	865.3559	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	684.6429	787.5179	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	630.2709	725.8128	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	552.4849	637.4836	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	550.5066	635.2284	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	540.7439	624.1036	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	529.0023	611.0803	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	527.0228	608.9437	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	17.10 Call	2,500	525.0521	606.8168	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	17.23 Call	41,300	500.2282	580.0243	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	17.50 Call	16,000	453.1221	528.0194	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	18.00 Call	14,200	379.7198	443.4268	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	18.40 Call	7,100	331.7613	387.8232	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	16.0421	13.2898	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	31.7584	31.1041	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	51.4449	33.6563	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	79.9849	55.5934	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	123.6356	90.8859	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	273.6309	220.0523	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	6,250	289.7679	234.3935	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	1,000	2045.6663	2235.0190	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	1766.3494	1950.6604	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	1670.6519	1849.8552	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	1535.6050	1707.1378	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	1208.3037	1346.3676	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	6,250	1181.7166	1317.4012	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	1115.0941	1246.3674	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	1072.3701	1201.6629	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	22.6917	18.8330	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	47.5146	46.3517	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	363.1182	293.2299	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	463.6377	384.1390	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	679.3685	604.5328	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1017.8808	918.5532	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.55 Call	30,000	1469.4820	1617.8357	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1124.4263	1019.3562	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	1349.4042	1487.9528	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	943.3516	1049.7463	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	853.4058	951.0699	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	811.3365	905.1139	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	796.0746	888.2513	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	703.1860	785.3349	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	63.3718	57.1341	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	313.0297	276.4458	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	1149.9869	1271.8343	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	732.3128	796.4840	0.0000	0.0000	0	0.00		
			<u>6,894,507</u>					<u>191,090.00</u>	<u>0.00</u>	<u>58 097 613.00</u>	<u>0.00</u>
	Total		7,872,603					579,510.00	5,968,089,750.10	242 019 203.00	2 191 659 295 052.30

<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		9,985,826				866,205.00	6 313 616 097.80	328,557,235	3,043,596,554,881.62
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