



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 18-September-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Oct 2018	CC01	Future	25,000	663.2457	663.2457	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>
		<b>Total</b>	<b>25,000</b>					<b>0.00</b>	<b>0.00</b>	<b>25 000.00</b>	<b>7 830 750.00</b>
<b>Future</b>											
Oct 2018	DAEU	Future	34	17.4483	17.5113	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>
<b>Option</b>											
Aug 2019	DAEU	16.03 Put	31,200	220.9969	229.1451	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	30,200	260.8588	268.6925	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	31,200	461.0282	464.0440	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	946.4105	999.9592	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>
		<b>Total</b>	<b>155,034</b>					<b>0.00</b>	<b>0.00</b>	<b>2 099 315.00</b>	<b>11 965 949 271.80</b>
<b>Future</b>											
Sep 2018	DAGB	Future	14	19.5307	19.6215	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	48	19.5926	19.6836	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>
		<b>Total</b>	<b>62</b>					<b>0.00</b>	<b>0.00</b>	<b>261 144.00</b>	<b>883 358 081.80</b>
<b>Future</b>											
Sep 2018	DAUS	Future	300	14.8386	14.9044	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	14.8455	14.9112	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,633	14.8506	14.9167	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	14.8590	14.9252	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	189	14.8611	14.9273	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	3,500	14.8864	14.9527	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	14.8906	14.9570	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.9072	14.9735	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	225	14.9153	14.9817	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	4,637	14.9194	14.9858	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	14.9214	14.9878	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	14.9458	15.0124	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	24	14.9499	15.0165	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	420	14.9519	15.0186	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	461	14.9785	15.0453	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	8,251	14.9805	15.0473	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	1,172	15.0051	15.0720	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	4,706	15.0432	15.1103	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	15.0472	15.1143	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	15.1025	15.1700	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,420	15.1045	15.1720	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	15.1302	15.1979	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	5,787	15.1598	15.2278	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	15.2133	15.2816	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,029	15.2173	15.2856	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	15.2252	15.2936	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	15.2811	15.3495	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	15.3430	15.4115	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	15.4054	15.4744	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	15.4689	15.5387	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	15.5345	15.6051	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.5981	15.6696	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.6626	15.7349	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	15.7337	15.8069	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.8027	15.8766	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.8672	15.9418	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.9362	16.0116	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	16.0051	16.0813	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	16.0652	16.1421	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	16.1408	16.2186	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	16.2654	16.3446	0.0000	0.0000	0	0.00
			<u>129,080</u>					<u>0.00</u>	<u>0.00</u>
									<u>10 646 468.00</u>
									<u>130 177 534 640.60</u>
<b>Option</b>									
Sep 2018	DAUS	14.48 Put	40,000	47.8261	45.4616	0.0000	0.0000	0	0.00
Sep 2018	DAUS	15.40 Call	20,000	34.6098	60.3133	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	0.5565	0.8628	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	1075.3034	1142.4527	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	4.9705	5.9760	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	23.2775	20.2823	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.54 Call	250	382.3334	443.3567	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Sep 2018	DAUS	16.25 Call	500	5.5020	9.6031	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	1.9269	3.2563	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.88 Put	314	295.5928	0.0000	0.0000	0.0000	314	0.00
Oct 2018	DAUS	14.96 Call	314	268.7086	0.0000	0.0000	0.0000	314	0.00
Oct 2018	DAUS	13.20 Put	1,630	6.1111	6.6714	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	945.9824	1013.0653	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	6.7252	7.0468	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	37.4647	34.5555	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	1041.6894	1105.9323	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	111.6888	110.2481	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	509.1731	568.7786	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.82 Put	114	331.6673	322.0810	0.0000	0.0000	0	0.00
Oct 2018	DAUS	15.01 Call	114	348.8903	398.9769	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	68.1891	88.4509	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	33.1534	47.3164	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.85 Put	1,100	355.6217	345.7795	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.50 Call	1,100	213.5518	252.0932	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	2.3394	2.5795	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	47.9062	48.1182	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	55.1334	72.7479	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.3406	0.5612	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	2.3484	2.8008	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1748.0067	1818.8856	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	10,000	91.2145	94.1969	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	566.5214	626.4465	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	556.1601	615.7325	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	483.2188	539.9743	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	421.3188	411.3743	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	518.9531	576.2310	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	652.9749	712.8262	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.31 Call	10,000	358.9388	405.1002	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	21.5598	23.8293	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	79.1999	80.1570	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	1036.7004	1102.6793	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	182.2154	179.6647	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	582.2647	637.7119	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	129.4151	153.9099	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	80.1491	98.1941	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	827.2670	803.5694	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	106.7305	106.1670	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	211.0795	205.7176	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	478.5834	465.1033	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	15.30 Put	30,000	725.4027	704.2318	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	70.6763	70.5961	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	106.2845	105.2136	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	516.6638	565.9526	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	328.1130	367.1783	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	128.3541	126.1112	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	238.4160	231.4914	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	509.1957	494.4908	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	753.2426	731.5800	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	42.6907	44.9892	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	48.3054	51.1505	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	753.0833	808.0743	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	706.7440	760.7396	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	38.2783	38.9177	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	120.0234	118.4551	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	1050.8939	1113.2420	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	237.2292	232.1789	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	560.5019	545.4794	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	180.8286	207.1992	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	121.5918	141.9470	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	29.9957	30.5729	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	53.6394	54.7378	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	284.7066	280.4963	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	1056.7034	1117.7364	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	685.9771	737.8354	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	66.5994	65.0902	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	322.1530	319.4657	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	1069.8928	1129.4929	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	725.4753	777.5465	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	77.0678	73.5244	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	357.4536	355.1494	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	1084.0163	1143.0107	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	758.5112	810.5606	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	83.9074	80.9757	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1960.4458	2027.2315	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	391.8601	388.7208	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	1097.9126	1155.9784	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	790.0947	841.0988	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	90.6759	89.6868	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	422.7509	419.2260	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	1112.6100	1169.1463	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	818.1720	868.4717	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	14.72 Put	20,000	642.9898	633.2896	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	17.22 Call	20,000	525.1857	565.5663	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	98.2046	93.1220	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	14.25 Put	250	448.6110	444.9874	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	1124.8576	1180.4570	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.96 Call	250	840.6897	890.5346	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	194.6658	185.2865	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	720.8723	766.9229	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	102.0599	99.2226	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	475.9907	471.1916	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	1148.2374	1202.9141	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	872.1904	922.1703	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	579.0729	572.1379	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	844.8967	893.7804	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	106.3357	112.0333	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	498.2075	493.7241	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	1159.7921	1214.9439	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	892.5692	942.3060	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	435.3157	470.4263	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	120.4554	121.6365	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	518.7737	514.4986	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1183.9465	1240.5761	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	922.9099	973.7960	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	130.6899	141.0396	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	538.1191	534.3188	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1204.3000	1261.9998	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	952.1649	1004.0452	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	147.7784	156.5601	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	553.6760	552.9060	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1228.9848	1288.0492	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	982.4615	1035.6795	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	162.5482	172.1580	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	570.8491	569.8872	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1254.2005	1314.4223	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	1016.0647	1070.6005	0.0000	0.0000	0	0.00		
			<u>831,019</u>					<u>628.00</u>	<u>0.00</u>	<u>20 654 526.00</u>	<u>0.00</u>
		<b>Total</b>	<b>960,099</b>					<b>628.00</b>	<b>0.00</b>	<b>31 300 994.00</b>	<b>130 177 534 640.60</b>
<b>Future</b>											
Dec 2018	EUUS	Future	40	1.1776	1.1766	0.0000	0.0000	0	0.00		
			<u>40</u>					<u>0.00</u>	<u>0.00</u>	<u>744 425.00</u>	<u>8 444 889 015.00</u>

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<b>Total</b>			<b>40</b>					<b>0.00</b>	<b>0.00</b>	744 425.00	8 444 889 015.00	
<b>Future</b>												
	Dec 2018	GBUS	Future	500	1.3196	1.3199	0.0000	0.0000	0	0.00		
				500					0.00	0.00	168 916.00	2 173 437 129.00
			<b>Total</b>	<b>500</b>					<b>0.00</b>	<b>0.00</b>	168 916.00	2 173 437 129.00
<b>Future</b>												
	Dec 2018	ZAAD	Future	36,634	10.8218	10.8329	10.9327	10.8209	13,536	147,460,537.40		
	Mar 2019	ZAAD	Future	520	10.9668	10.9794	0.0000	0.0000	0	0.00		
	Jun 2019	ZAAD	Future	4,929	11.1089	11.1225	0.0000	0.0000	0	0.00		
				42,083					13,536.00	147,460,537.40	3 738 302.00	32 575 471 857.70
			<b>Total</b>	<b>42,083</b>					<b>13,536.00</b>	<b>147,460,537.40</b>	3 770 679.00	32 575 471 857.70
<b>Future</b>												
	Dec 2018	ZACA	Future	600	11.5695	11.5944	0.0000	0.0000	0	0.00		
				600					0.00	0.00	137 653.00	1 355 055 071.60
			<b>Total</b>	<b>600</b>					<b>0.00</b>	<b>0.00</b>	137 653.00	1 355 055 071.60
<b>Future</b>												
	Dec 2018	ZADK	Future	240	2.3864	2.3947	0.0000	0.0000	0	0.00		
				240					0.00	0.00	12 335.00	265 809 909.00
			<b>Total</b>	<b>240</b>					<b>0.00</b>	<b>0.00</b>	12 335.00	265 809 909.00
<b>Future</b>												
	Dec 2018	ZAEU	Future	111,369	17.6752	17.7385	17.7770	17.6773	1,033	18,347,499.50		
	Mar 2019	ZAEU	Future	36,651	18.0456	18.1115	0.0000	0.0000	36,760	665,447,900.00		
	Jun 2019	ZAEU	Future	5,256	18.3989	18.4658	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	Future	6,161	18.7923	18.8630	0.0000	0.0000	0	0.00		
				159,437					37,793.00	683,795,399.50	15 534 221.00	223 220 885 221.20
<b>Option</b>												
	Mar 2019	ZAEU	15.60 Put	462	89.4881	93.6095	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	16.00 Call	650	2181.0364	2254.9759	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	17.33 Put	462	518.1224	522.0453	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	19.65 Call	462	456.8753	501.9591	0.0000	0.0000	0	0.00		
				2,036					0.00	0.00	10 794 564.00	0.00
			<b>Total</b>	<b>161,473</b>					<b>37,793.00</b>	<b>683,795,399.50</b>	26 328 785.00	223 220 885 221.20
<b>Future</b>												
	Dec 2018	ZAFR	Future	1,648	15.7204	15.7830	0.0000	0.0000	0	0.00		
	Jun 2019	ZAFR	Future	150	16.3993	16.4649	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
			1,798					0.00	0.00	620 476.00	6 666 400 751.60	
		<b>Total</b>	<b>1,798</b>					<b>0.00</b>	<b>0.00</b>	620 476.00	6 666 400 751.60	
<b>Future</b>												
	Dec 2018	ZAGB	Future	489,116	19.8067	19.8983	19.9951	19.8218	993	19,820,738.90		
	Mar 2019	ZAGB	Future	4,932	20.1528	20.2469	20.2406	20.2406	1,000	20,240,600.00		
	Jun 2019	ZAGB	Future	5,856	20.4778	20.5732	0.0000	0.0000	0	0.00		
	Sep 2019	ZAGB	Future	10,026	20.8364	20.9355	0.0000	0.0000	0	0.00		
				509,930					1,993.00	40,061,338.90	12 740 113.00	216 572 003 234.40
<b>Option</b>												
	Mar 2019	ZAGB	18.00 Put	500	212.5115	212.4722	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	21.44 Call	500	580.1215	638.3787	0.0000	0.0000	0	0.00		
				1,000					0.00	0.00	1 775 113.00	0.00
		<b>Total</b>	<b>510,930</b>						<b>1,993.00</b>	<b>40,061,338.90</b>	14 515 226.00	216 572 003 234.40
<b>Future</b>												
	Dec 2018	ZAJY	Future	6,905	0.1344	0.1356	0.0000	0.0000	6,905	93,400,482.50		
				6,905					6,905.00	93,400,482.50	1 021 902.00	11 470 576 312.50
		<b>Total</b>	<b>6,905</b>						<b>6,905.00</b>	<b>93,400,482.50</b>	1 021 902.00	11 470 576 312.50
<b>Future</b>												
	Jun 2019	ZAKS	Future	2,166	0.1455	0.1454	0.0000	0.0000	0	0.00		
				2,166					0.00	0.00	38 066.00	515 662 000.00
		<b>Total</b>	<b>2,166</b>						<b>0.00</b>	<b>0.00</b>	38 066.00	515 662 000.00
<b>Future</b>												
	Dec 2018	ZATR	Future	12,000	2.2389	2.2677	0.0000	0.0000	0	0.00		
				12,000					0.00	0.00	383 239.00	1 228 466 169.00
		<b>Total</b>	<b>12,000</b>						<b>0.00</b>	<b>0.00</b>	383 239.00	1 228 466 169.00
<b>Future</b>												
	Dec 2018	ZAUM	Future	321	15.0092	15.0761	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUM	Future	10	15.1953	15.2636	0.0000	0.0000	0	0.00		
				331					0.00	0.00	152 973.00	176 787 920 960.00
		<b>Total</b>	<b>331</b>						<b>0.00</b>	<b>0.00</b>	157 496.00	176 787 920 960.00
<b>Future</b>												
	Dec 2018	ZAUS	Future	829,355	15.0092	15.0761	15.1650	15.0008	63,933	964,090,817.40		
	Mar 2019	ZAUS	Future	32,828	15.1953	15.2636	0.0000	0.0000	0	0.00		
	Jun 2019	ZAUS	Future	19,420	15.3709	15.4395	0.0000	0.0000	0	0.00		
	Sep 2019	ZAUS	Future	17,436	15.5632	15.6341	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Mar 2020	ZAUS	Future	3,966	15.9673	16.0431	0.0000	0.0000	0	0.00
			<u>903,005</u>					<u>63,933.00</u>	<u>964,090,817.40</u>
									<u>186 401 281.00</u>
									<u>2 229 179 192 444.50</u>
Option									
Dec 2018	ZAUS	11.64 Put	2,764	5.6878	5.8667	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	6.4966	6.5822	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	7.7863	7.7035	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	8.7847	8.5579	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	9.0014	8.7404	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	9.9229	9.5115	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	11.2081	10.8832	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	11.9119	11.6391	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	13.9558	13.8496	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2525.3535	2592.3470	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	16.1535	16.2470	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	18.9294	19.2977	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	20.1209	20.6133	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	21.9172	22.6013	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	27.9948	29.3619	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	2038.9644	2107.4368	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	29.7644	31.3368	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	31.6474	33.4392	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	33.6512	35.6787	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1847.2531	1916.7001	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	39.0011	41.6603	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1799.6686	1869.4014	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	40.4686	43.3014	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	44.1137	47.3763	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	44.6614	47.9872	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1610.9910	1682.0446	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	51.7910	55.9446	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1564.2926	1635.7233	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	55.0926	59.6233	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	67.9420	67.6892	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	79.7474	79.1761	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	82.9236	82.2695	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	91.2685	90.3940	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1325.7637	1391.6415	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	98.3758	97.3051	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1309.4143	1375.1905	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	100.2143	99.0905	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	119.9840	118.2841	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	1190.0484	1254.9162	0.0000	0.0000	0	0.00



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Dec 2018	ZAUS	14.00 Call	20,200	1151.5892	1216.0977	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	142.3892	139.9977	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	167.5634	164.3641	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	172.9406	169.5662	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	1054.8740	1118.3079	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	181.2284	177.5777	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	184.0475	180.3037	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	1004.8267	1067.5962	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	195.6267	191.4962	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	207.6840	203.1473	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	969.9742	1032.2335	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	227.9189	221.4951	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	917.8035	977.1665	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	238.6035	231.0665	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	905.0940	963.7071	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	245.8940	237.6071	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	260.8683	252.1934	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	849.5365	907.2571	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	813.9891	871.0903	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	304.7891	294.9903	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	308.9784	299.0761	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	757.3750	813.3986	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	348.1750	337.2986	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	751.8944	807.8065	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	746.4463	802.2464	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	719.6853	774.9231	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	380.4853	368.8231	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	704.0148	758.9089	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	414.3678	401.8930	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	678.5330	732.8427	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	419.3330	406.7427	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	653.8411	707.5549	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	444.6411	431.4549	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	634.6434	687.8763	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	497.5680	483.1614	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	10,100	562.7027	613.9390	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	20,700	553.5027	537.8390	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	558.6098	609.5661	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	526.9047	575.5951	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	523.0665	571.4743	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	504.2930	551.9022	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	676.9921	656.9011	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.25 Put	500	709.5453	688.6541	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	742.7337	721.0437	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	429.4299	473.5266	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	402.1878	444.8644	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	396.3840	438.7448	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,000	390.6682	432.7142	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	881.4682	856.6142	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	387.8416	429.7347	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	366.0044	406.6524	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	363.3669	0.0000	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	15.61 Call	4,428	360.7496	401.0938	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	338.0956	377.0698	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	330.8889	369.4112	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1136.6435	1106.6646	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	303.6728	340.4488	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	290.9904	326.8742	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	273.0600	307.6282	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	252.8032	285.8163	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	247.5766	280.1778	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	237.4905	269.2761	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	231.0277	262.2767	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	185.4986	213.3260	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	156.4687	181.7951	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	136.1202	159.2446	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	3.1427	3.2967	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	13.0238	13.1256	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	31.3461	29.6487	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	33.5577	31.8666	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	62.4999	61.2344	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	64.3981	63.1731	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	72.4442	71.4086	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	77.8612	76.9600	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	85.9703	85.2827	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	118.8240	119.0675	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	135.0249	135.7468	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	176.4218	178.3591	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	180.6045	182.6573	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	185.3794	0.0000	0.0000	0.0000	20,000	0.00
Mar 2019	ZAUS	13.75 Put	17,981	192.6992	193.7339	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	202.7599	203.5824	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	221.1941	221.6174	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	232.2119	232.3842	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	14.00 Put	16,000	261.3039	260.7965	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	273.5714	272.7637	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	354.8219	351.9460	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	1257.4916	1322.7200	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	381.0179	377.4469	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	416.3582	411.8405	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	1148.8897	1211.3064	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,000	442.5195	435.7848	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	456.0983	449.0884	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	469.8970	462.6079	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	14,200	557.2298	548.1978	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	598.4867	588.6450	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	603.7471	593.8007	0.0000	0.0000	10,000	0.00
Mar 2019	ZAUS	14.84 Put	134,750	609.0302	598.9829	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	909.4714	966.4675	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	719.3564	707.1951	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	765.9021	752.8666	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	771.8139	758.6713	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	820.9662	875.6803	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	807.7142	793.9079	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	813.7684	799.8539	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	887.8140	872.6336	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	716.4355	768.1136	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	712.9730	764.5404	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	685.9198	736.5966	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	647.4207	696.7639	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	602.6253	650.3055	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	580.1664	626.9619	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	20,000	550.9591	596.4119	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	518.8044	562.9594	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	463.0369	504.7535	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	423.5971	0.0000	0.0000	0.0000	20,000	0.00
Mar 2019	ZAUS	16.60 Call	50	419.8857	459.5488	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	356.2289	393.9073	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	354.5931	392.1780	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	346.5541	383.6779	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	337.1843	373.7601	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	335.6500	372.1380	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	334.1272	370.5242	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	315.0297	350.2705	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	279.3524	312.2969	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	225.3586	254.4405	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	18.40 Call	7,100	194.4993	220.0513	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	12.6082	12.5389	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	22.8079	22.3170	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	60.6910	56.1208	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	91.6828	86.5665	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	138.2777	132.8710	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	294.4455	290.7972	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	6,250	309.4828	307.7139	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	1,000	1731.8875	1799.0779	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	1453.4766	1517.7041	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	1361.5158	1424.4432	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	1240.6571	1298.0362	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	938.5184	991.0601	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	6,250	913.6886	965.6993	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	853.1534	903.7994	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	815.3397	865.0723	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	16.00 Call	20	791.2016	840.3273	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	16.7856	15.1007	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	40.2326	45.5291	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	405.8458	395.9366	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.09 Put	33,715	450.0086	0.0000	0.0000	0.0000	33,715	0.00		
Sep 2019	ZAUS	14.14 Put	141,127	468.1761	0.0000	0.0000	0.0000	141,127	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	494.3357	489.2176	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.33 Put	33,151	541.1153	535.5696	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	709.9490	702.8533	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1074.7293	1059.5933	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.55 Call	30,000	1193.0577	1247.5163	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1186.0292	1169.6510	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	1077.3087	1130.9020	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	715.6500	760.9970	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	636.5266	679.2174	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	600.4541	641.8467	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	587.4398	628.3416	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	508.9618	546.7603	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	488.5449	0.0000	0.0000	0.0000	33,715	0.00		
Sep 2019	ZAUS	18.67 Call	141,127	484.1123	0.0000	0.0000	0.0000	141,127	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	428.6553	459.2491	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	49.6865	54.4435	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	331.6673	338.5343	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	897.3667	948.4158	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	545.6293	581.8240	0.0000	0.0000	0	0.00		
			<u>6,526,144</u>					<u>400,184.00</u>	<u>0.00</u>	<u>58 829 867.00</u>	<u>0.00</u>

<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>		
		<b>Total</b>	<b>7,429,149</b>				<b>464,117.00</b>	<b>964,090,817.40</b>	245 231 148.00	2 229 179 192 444.50
		<b>Grand Total</b>	<b>9,308,410</b>				<b>524,972.00</b>	<b>1 928 808 575.70</b>	<b>335,197,728</b>	<b>3,096,011,847,565.52</b>