



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 19-September-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	647.8757	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>
		Total	25,000					0.00	0.00	25 000.00	7 830 750.00
Future											
Oct 2018	DAEU	Future	34	17.1807	17.4483	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	257.8868	220.9969	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	30,200	302.8289	260.8588	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	31,200	538.9954	461.0282	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	835.9174	946.4105	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	19.2908	19.5307	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	48	19.3490	19.5926	0.0000	0.0000	0	0.00		
			<u>62</u>					<u>0.00</u>	<u>0.00</u>	<u>53 831.00</u>	<u>883 358 081.80</u>
		Total	62					0.00	0.00	261 144.00	883 358 081.80
Future											
Sep 2018	DAUS	Future	300	14.6544	14.8386	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	14.6603	14.8455	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,583	14.6633	14.8506	0.0000	0.0000	50	738,530.00		
Oct 2018	DAUS	Future	55	14.6685	14.8590	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	189	14.6707	14.8611	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	4,000	14.6977	14.8864	0.0000	0.0000	500	7,387,450.00		
Oct 2018	DAUS	Future	235	14.7022	14.8906	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.7194	14.9072	0.0000	0.0000	0	0.00		

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Oct 2018	DAUS	Future	225	14.7273	14.9153	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	4,637	14.7313	14.9194	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	14.7333	14.9214	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	14.7570	14.9458	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	24	14.7610	14.9499	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	420	14.7630	14.9519	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	461	14.7889	14.9785	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	8,251	14.7909	14.9805	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	1,172	14.8149	15.0051	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	4,706	14.8521	15.0432	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.8559	15.0472	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.9096	15.1025	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,420	14.9115	15.1045	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	14.9365	15.1302	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	5,787	14.9652	15.1598	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	15.0170	15.2133	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,029	15.0209	15.2173	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	15.0286	15.2252	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	15.0824	15.2811	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	15.1420	15.3430	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	15.2022	15.4054	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	15.2636	15.4689	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	15.3269	15.5345	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.3877	15.5981	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.4496	15.6626	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	15.5179	15.7337	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.5841	15.8027	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.6460	15.8672	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.7122	15.9362	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.7783	16.0051	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.8360	16.0652	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.9085	16.1408	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	16.0281	16.2654	0.0000	0.0000	0	0.00
			<u>129,530</u>					<u>550.00</u>	<u>8,125,980.00</u>
									<u>10 647 018.00</u>
									<u>130 185 660 620.60</u>
Option									
Sep 2018	DAUS	14.48 Put	40,000	69.8521	47.8261	0.0000	0.0000	0	0.00
Sep 2018	DAUS	15.00 Call	20,000	49.2667	0.0000	0.0000	0.0000	20,000	0.00
Sep 2018	DAUS	15.40 Call	0	12.1200	34.6098	0.0000	0.0000	20,000	0.00
Sep 2018	DAUS	13.00 Put	500	0.3179	0.5565	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	888.6937	1075.3034	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	5.8277	4.9705	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	38.0212	23.2775	0.0000	0.0000	0	0.00

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Sep 2018	DAUS	14.54 Call	250	231.2448	382.3334	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	2.2390	5.5020	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	0.8225	1.9269	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.88 Put	314	394.5581	295.5928	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.96 Call	314	187.1422	268.7086	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	7.2698	6.1111	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	776.4035	945.9824	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	7.2326	6.7252	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	51.8956	37.4647	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	873.7300	1041.6894	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	154.6713	111.6888	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	395.8834	509.1731	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.82 Put	114	420.0882	331.6673	0.0000	0.0000	0	0.00
Oct 2018	DAUS	15.01 Call	114	265.5556	348.8903	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	44.2064	68.1891	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	19.1139	33.1534	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.85 Put	1,100	446.8078	355.6217	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.50 Call	1,100	158.8381	213.5518	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	2.4492	2.3394	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	68.9212	47.9062	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	34.7924	55.1334	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.3960	0.3406	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	2.7419	2.3484	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1561.4883	1748.0067	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	10,000	123.2561	91.2145	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	454.8253	566.5214	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	445.7350	556.1601	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	385.5652	483.2188	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	512.5652	421.3188	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	415.9694	518.9531	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	535.1649	652.9749	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.31 Call	10,000	284.7561	358.9388	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	23.0239	21.5598	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	104.1389	79.1999	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	885.0504	1036.7004	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	232.5613	182.2154	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	475.9985	582.2647	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	97.3927	129.4151	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	58.8988	80.1491	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	946.0611	827.2670	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	136.5908	106.7305	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	264.7126	211.0795	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	14.90 Put	30,000	567.2844	478.5834	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	836.8713	725.4027	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	91.8408	70.6763	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	135.1250	106.2845	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	425.9253	516.6638	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	265.0438	328.1130	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	160.2572	128.3541	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	292.4418	238.4160	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	596.3030	509.1957	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	862.0768	753.2426	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	48.9761	42.6907	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	55.6873	48.3054	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	636.0305	753.0833	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	594.5255	706.7440	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	42.9200	38.2783	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	149.7920	120.0234	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	910.2028	1050.8939	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	289.8938	237.2292	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	651.1978	560.5019	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	145.3237	180.8286	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	96.6934	121.5918	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	35.2200	29.9957	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	62.8433	53.6394	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	339.8873	284.7066	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	927.5739	1056.7034	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	591.4839	685.9771	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	78.7503	66.5994	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	377.4821	322.1530	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	946.6433	1069.8928	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	633.3377	725.4753	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	93.1506	77.0678	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	413.7775	357.4536	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	966.5513	1084.0163	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	668.5671	758.5112	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	103.7897	83.9074	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1794.8066	1960.4458	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	449.0845	391.8601	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	984.4466	1097.9126	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	701.6892	790.0947	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	116.0194	90.6759	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	480.3544	422.7509	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	1002.1444	1112.6100	0.0000	0.0000	0	0.00

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May 2019	DAUS	15.79 Call	250	731.0231	818.1720	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	14.72 Put	20,000	722.4422	642.9898	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	17.22 Call	20,000	465.4520	525.1857	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	122.6566	98.2046	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	14.25 Put	250	505.7570	448.6110	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	1016.0172	1124.8576	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.96 Call	250	753.7088	840.6897	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	233.1039	194.6658	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	645.9537	720.8723	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	128.6849	102.0599	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	533.3268	475.9907	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	1040.3582	1148.2374	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	785.9202	872.1904	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	643.8767	579.0729	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	762.5742	844.8967	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	133.6187	106.3357	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	556.8691	498.2075	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	1053.2876	1159.7921	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	807.6616	892.5692	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	396.9761	435.3157	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	148.1853	120.4554	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	578.9552	518.7737	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1077.5885	1183.9465	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	837.8380	922.9099	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	166.2520	130.6899	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	600.8945	538.1191	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1099.3023	1204.3000	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	866.7355	952.1649	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	181.9202	147.7784	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	619.3396	553.6760	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1124.3522	1228.9848	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	896.1923	982.4615	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	200.9554	162.5482	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	636.6624	570.8491	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1149.6264	1254.2005	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	928.5343	1016.0647	0.0000	0.0000	0	0.00		
			<u>831,019</u>					<u>40,000.00</u>	<u>0.00</u>	<u>20 694 526.00</u>	<u>0.00</u>
		Total	960,549					40,550.00	8,125,980.00	31 341 544.00	130 185 660 620.60
Future											
Dec 2018	EUUS	Future	40	1.1747	1.1776	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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Total			40					0.00	0.00	744 425.00	8 444 889 015.00	
Future												
	Dec 2018	GBUS	Future	500	1.3201	1.3196	0.0000	0.0000	0	0.00		
				500					0.00	0.00	168 916.00	2 173 437 129.00
			Total	500					0.00	0.00	168 916.00	2 173 437 129.00
Future												
	Dec 2018	ZAAD	Future	36,595	10.7668	10.8218	10.7361	10.7361	39	418,707.90		
	Mar 2019	ZAAD	Future	520	10.9087	10.9668	0.0000	0.0000	0	0.00		
	Jun 2019	ZAAD	Future	4,929	11.0468	11.1089	0.0000	0.0000	0	0.00		
				42,044					39.00	418,707.90	3 738 341.00	32 575 890 565.60
			Total	42,044					39.00	418,707.90	3 770 718.00	32 575 890 565.60
Future												
	Dec 2018	ZACA	Future	600	11.4545	11.5695	0.0000	0.0000	0	0.00		
				600					0.00	0.00	137 653.00	1 355 055 071.60
			Total	600					0.00	0.00	137 653.00	1 355 055 071.60
Future												
	Dec 2018	ZADK	Future	240	2.3500	2.3864	0.0000	0.0000	0	0.00		
				240					0.00	0.00	12 335.00	265 809 909.00
			Total	240					0.00	0.00	12 335.00	265 809 909.00
Future												
	Dec 2018	ZAEU	Future	111,369	17.4073	17.6752	17.6083	17.4159	2,877	50,200,798.80		
	Mar 2019	ZAEU	Future	36,651	17.7700	18.0456	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	Future	5,256	18.1140	18.3989	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	Future	6,834	18.4990	18.7923	0.0000	0.0000	673	12,533,615.50		
				160,110					3,550.00	62,734,414.30	15 537 771.00	223 283 619 635.50
Option												
	Mar 2019	ZAEU	15.60 Put	462	109.5960	89.4881	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	16.00 Call	650	1933.2656	2181.0364	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	17.33 Put	462	623.5058	518.1224	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	19.65 Call	462	381.2710	456.8753	0.0000	0.0000	0	0.00		
				2,036					0.00	0.00	10 794 564.00	0.00
			Total	162,146					3,550.00	62,734,414.30	26 332 335.00	223 283 619 635.50
Future												
	Dec 2018	ZAFR	Future	1,648	15.4254	15.7204	0.0000	0.0000	0	0.00		
	Jun 2019	ZAFR	Future	150	16.0854	16.3993	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	
		Total	1,798					0.00	0.00	620 476.00	6 666 400 751.60	
Future												
	Dec 2018	ZAGB	Future	476,109	19.5623	19.8067	19.7375	19.5600	13,289	262,408,791.60		
	Mar 2019	ZAGB	Future	4,932	19.8998	20.1528	0.0000	0.0000	0	0.00		
	Jun 2019	ZAGB	Future	5,856	20.2155	20.4778	0.0000	0.0000	0	0.00		
	Sep 2019	ZAGB	Future	10,363	20.5636	20.8364	0.0000	0.0000	337	6,972,867.00		
				497,260					13,626.00	269,381,658.60	12 753 739.00	216 841 384 893.00
Option												
	Mar 2019	ZAGB	18.00 Put	500	247.7937	212.5115	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	21.44 Call	500	496.3095	580.1215	0.0000	0.0000	0	0.00		
				1,000					0.00	0.00	1 775 113.00	0.00
		Total	498,260						13,626.00	269,381,658.60	14 528 852.00	216 841 384 893.00
Future												
	Dec 2018	ZAJY	Future	6,905	0.1328	0.1344	0.0000	0.0000	0	0.00		
				6,905					0.00	0.00	1 021 902.00	11 470 576 312.50
		Total	6,905						0.00	0.00	1 021 902.00	11 470 576 312.50
Future												
	Jun 2019	ZAKS	Future	2,166	0.1439	0.1455	0.0000	0.0000	0	0.00		
				2,166					0.00	0.00	38 066.00	515 662 000.00
		Total	2,166						0.00	0.00	38 066.00	515 662 000.00
Future												
	Dec 2018	ZATR	Future	12,000	2.2496	2.2389	0.0000	0.0000	0	0.00		
				12,000					0.00	0.00	383 239.00	1 228 466 169.00
		Total	12,000						0.00	0.00	383 239.00	1 228 466 169.00
Future												
	Dec 2018	ZAUM	Future	334	14.8189	15.0092	0.0000	0.0000	10	14,820,000.00		
	Mar 2019	ZAUM	Future	10	14.9998	15.1953	0.0000	0.0000	0	0.00		
				344					10.00	14,820,000.00	152 983.00	176 802 740 960.00
		Total	344						10.00	14,820,000.00	157 506.00	176 802 740 960.00
Future												
	Dec 2018	ZAUS	Future	810,666	14.8189	15.0092	15.0347	14.8008	71,396	1,064,155,471.50		
	Mar 2019	ZAUS	Future	33,410	14.9998	15.1953	15.1815	15.0115	631	9,484,695.50		
	Jun 2019	ZAUS	Future	19,415	15.1690	15.3709	15.3000	15.3000	5	76,500.00		
	Sep 2019	ZAUS	Future	19,892	15.3546	15.5632	0.0000	0.0000	2,456	37,862,756.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Mar 2020	ZAUS	Future	3,966	15.7420	15.9673	0.0000	0.0000	0	0.00
			<u>887,349</u>					<u>74,488.00</u>	<u>1,111,579,423.00</u>
									<u>186 475 769.00</u>
									<u>2 230 290 771 867.50</u>
Option									
Dec 2018	ZAUS	11.64 Put	2,764	6.0274	5.6878	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	6.8896	6.4966	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	8.2689	7.7863	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	9.3908	8.7847	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	9.6327	9.0014	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	10.6644	9.9229	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	12.1106	11.2081	0.0000	0.0000	7,300	0.00
Dec 2018	ZAUS	12.25 Put	3,300	12.9058	11.9119	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	15.2273	13.9558	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2336.6411	2525.3535	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	17.7411	16.1535	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	20.9386	18.9294	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	22.3179	20.1209	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	24.4041	21.9172	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	31.5177	27.9948	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	1852.5024	2038.9644	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	33.6024	29.7644	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	35.8267	31.6474	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	38.1999	33.6512	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1662.3342	1847.2531	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	44.5649	39.0011	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1615.2174	1799.6686	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	46.3174	40.4686	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	50.6818	44.1137	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	51.3388	44.6614	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1434.1307	1610.9910	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	65.2307	51.7910	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1391.2039	1564.2926	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	72.3039	55.0926	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	88.1546	67.9420	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	102.5758	79.7474	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	106.4351	82.9236	0.0000	0.0000	7,300	0.00
Dec 2018	ZAUS	13.75 Put	700	116.5391	91.2685	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1161.8231	1325.7637	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	125.1067	98.3758	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1146.2160	1309.4143	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	127.3160	100.2143	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	150.9588	119.9840	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	1032.7575	1190.0484	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>
Dec 2018	ZAUS	14.00 Call	20,200	996.3989	1151.5892	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	177.4989	142.3892	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	207.0564	167.5634	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	213.8666	172.9406	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	906.2240	1054.8740	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	224.3416	181.2284	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	227.9018	184.0475	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	861.3853	1004.8267	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	242.4853	195.6267	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	257.6151	207.6840	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	830.3840	969.9742	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	281.3426	227.9189	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	782.5659	917.8035	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	293.6659	238.6035	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	770.9538	905.0940	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	302.0538	245.8940	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	319.2381	260.8683	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	720.3778	849.5365	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	688.1774	813.9891	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	369.2774	304.7891	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	374.0246	308.9784	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	637.1567	757.3750	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	418.2567	348.1750	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	632.2318	751.8944	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	627.3420	746.4463	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	603.3742	719.6853	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	454.4742	380.4853	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	589.3750	704.0148	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	492.2458	414.3678	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	566.6669	678.5330	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	497.7669	419.3330	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	544.7321	653.8411	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	525.8321	444.6411	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	527.7253	634.6434	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	585.0367	497.5680	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	11,433	466.8601	562.7027	0.0000	0.0000	1,333	0.00
Dec 2018	ZAUS	15.00 Put	20,700	647.9601	553.5027	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	463.3060	558.6098	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	435.8306	526.9047	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	432.5150	523.0665	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	416.3163	504.2930	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	781.8372	676.9921	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.25 Put	500	816.8633	709.5453	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	852.4720	742.7337	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	352.1669	429.4299	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	329.0091	402.1878	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	324.0863	396.3840	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,000	319.2453	390.6682	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1000.3453	881.4682	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	316.8542	387.8416	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	298.4047	366.0044	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	296.1826	363.3669	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	293.9555	360.7496	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	274.7112	338.0956	0.0000	0.0000	7,300	0.00
Dec 2018	ZAUS	15.73 Call	135,000	268.6040	330.8889	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1268.5569	1136.6435	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	245.6273	303.6728	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	234.9633	290.9904	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	219.9233	273.0600	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	202.9948	252.8032	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	198.6380	247.5766	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	190.2436	237.4905	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	184.8745	231.0277	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	146.0457	185.4986	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	122.3418	156.4687	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	105.8550	136.1202	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	3.8668	3.1427	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	13.7772	13.0238	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	38.8788	31.3461	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	41.5271	33.5577	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	75.7775	62.4999	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	78.0016	64.3981	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	87.4102	72.4442	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	93.7246	77.8612	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	103.1517	85.9703	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	107.4070	0.0000	0.0000	0.0000	10,125	0.00
Mar 2019	ZAUS	13.36 Put	134,750	141.0676	118.8240	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	159.6302	135.0249	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	211.6971	176.4218	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	217.0387	180.6045	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	222.4691	185.3794	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	230.7852	192.6992	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	242.1837	202.7599	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	263.0037	221.1941	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.90 Put	720	275.4070	232.2119	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	308.0234	261.3039	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	321.7243	273.5714	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	412.7290	354.8219	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	1121.2804	1257.4916	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	443.8015	381.0179	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	485.5375	416.3582	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	1024.5291	1148.8897	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,000	514.4686	442.5195	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	529.2587	456.0983	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	544.2645	469.8970	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	638.7385	557.2298	0.0000	0.0000	10,125	0.00
Mar 2019	ZAUS	14.82 Put	4,145	683.1033	598.4867	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	688.7482	603.7471	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	694.4151	609.0302	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	803.9064	909.4714	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	812.2850	719.3564	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	861.8054	765.9021	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	868.0832	771.8139	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	723.1982	820.9662	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	906.1676	807.7142	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	912.5853	813.7684	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	991.0264	887.8140	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	628.7355	716.4355	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	625.6179	712.9730	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	601.2926	685.9198	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	566.7470	647.4207	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	526.8598	602.6253	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	507.0660	580.1664	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	20,000	481.2621	550.9591	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	452.7542	518.8044	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	403.4655	463.0369	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	367.6122	423.5971	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	364.0772	419.8857	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	306.6203	356.2289	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	305.1804	354.5931	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	298.1011	346.5541	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	289.8579	337.1843	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	288.5097	335.6500	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	287.1689	334.1272	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	270.3968	315.0297	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	261.8478	0.0000	0.0000	0.0000	10,125	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	17.50 Call	16,000	239.1515	279.3524	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	192.0926	225.3586	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	170.3339	194.4993	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	13.5791	12.6082	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	30.0462	22.8079	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	77.6154	60.6910	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	114.0989	91.6828	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	117.7389	0.0000	0.0000	0.0000	16,406	0.00
Jun 2019	ZAUS	13.24 Put	30,000	167.6752	138.2777	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	338.3628	294.4455	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	6,250	354.9576	309.4828	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1578.6243	1731.8875	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	1314.6769	1453.4766	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	1232.6634	1361.5158	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	669.4262	0.0000	0.0000	0.0000	8,203	0.00
Jun 2019	ZAUS	14.82 Call	30,000	1120.7992	1240.6571	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	841.1713	938.5184	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	6,250	818.5235	913.6886	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	763.4388	853.1534	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	729.1103	815.3397	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	707.3692	791.2016	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	350.5767	0.0000	0.0000	0.0000	16,406	0.00
Sep 2019	ZAUS	10.75 Put	1,000	19.8416	16.7856	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	56.3528	40.2326	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	436.8094	0.0000	0.0000	0.0000	81,930	0.00
Sep 2019	ZAUS	13.97 Put	800	458.5833	405.8458	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	504.0251	450.0086	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.14 Put	141,127	523.7059	468.1761	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	551.9785	494.3357	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	602.4278	541.1153	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.72 Put	1,200	787.3942	709.9490	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1172.5182	1074.7293	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.55 Call	30,000	1084.7790	1193.0577	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1286.6332	1186.0292	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	977.7513	1077.3087	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	646.2222	715.6500	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	574.0916	636.5266	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	541.2841	600.4541	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	529.4593	587.4398	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.29 Call	81,930	480.4395	0.0000	0.0000	0.0000	81,930	0.00
Sep 2019	ZAUS	18.47 Call	1,200	460.0148	508.9618	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.63 Call	33,715	445.3459	488.5449	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>		
Sep 2019	ZAUS	18.67 Call	141,127	441.8249	484.1123	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	391.7949	428.6553	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	56.9587	49.6865	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	389.2099	331.6673	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	817.1999	897.3667	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	501.9978	545.6293	0.0000	0.0000	0	0.00		
			<u>6,746,321</u>					<u>258,483.00</u>	<u>0.00</u>	<u>59 088 350.00</u>	<u>0.00</u>
	Total		<u>7,633,670</u>					<u>332,971.00</u>	<u>1,111,579,423.00</u>	<u>245 564 119.00</u>	<u>2 230 290 771 867.50</u>

Grand Total	<u>9,501,358</u>							<u>390,746.00</u>	<u>1 467 060 183.80</u>	<u>335,588,474</u>	<u>3,097,478,907,749.32</u>
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