



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 17-September-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	663.2457	654.6479	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	17.5113	17.4608	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	229.1451	243.3888	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	30,200	268.6925	284.9509	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	31,200	464.0440	491.3953	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	999.9592	998.6048	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	19.6215	19.4939	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	48	19.6836	19.5559	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	14.9044	14.8854	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	14.9112	14.8920	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,633	14.9167	14.8980	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	14.9252	14.9065	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	189	14.9273	14.9825	0.0000	0.0000	2,429	36,403,851.40		
Oct 2018	DAUS	Future	3,500	14.9527	14.9343	0.0000	0.0000	1,900	28,510,810.00		
Oct 2018	DAUS	Future	235	14.9570	14.9385	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.9735	14.9551	0.0000	0.0000	0	0.00		

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Oct 2018	DAUS	Future	225	14.9817	14.9633	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	4,637	14.9858	14.9675	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	14.9878	14.9695	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	15.0124	14.9942	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	24	15.0165	14.9983	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	420	15.0186	15.0004	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	461	15.0453	15.0272	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	8,251	15.0473	15.0292	0.0000	0.0000	3,012	45,287,910.00
Dec 2018	DAUS	Future	1,172	15.0720	15.0540	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	4,706	15.1103	15.0922	0.0000	0.0000	519	7,866,898.20
Jan 2019	DAUS	Future	55	15.1143	15.0962	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	15.1700	15.1520	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,420	15.1720	15.1540	0.0000	0.0000	195	2,968,212.00
Feb 2019	DAUS	Future	70	15.1979	15.1799	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	5,787	15.2278	15.2098	0.0000	0.0000	1,062	16,224,705.00
Mar 2019	DAUS	Future	4,414	15.2816	15.2636	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,029	15.2856	15.2675	0.0000	0.0000	2,629	40,316,503.70
Apr 2019	DAUS	Future	55	15.2936	15.2755	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	15.3495	15.3311	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	15.4115	15.3927	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	15.4744	15.4549	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	15.5387	15.5179	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	15.6051	15.5829	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.6696	15.6466	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.7349	15.7113	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	15.8069	15.7826	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.8766	15.8517	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.9418	15.9164	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	16.0116	15.9855	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	16.0813	16.0547	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	16.1421	16.1149	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	16.2186	16.1907	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	16.3446	16.3155	0.0000	0.0000	0	0.00
			<u>129,080</u>					<u>11,746.00</u>	<u>177,578,890.30</u>
									<u>10 646 468.00</u>
									<u>130 177 534 640.60</u>
Option									
Sep 2018	DAUS	15.00 Call	7,500	33.7728	61.4354	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.48 Put	40,000	45.4616	53.7580	0.0000	0.0000	0	0.00
Sep 2018	DAUS	15.40 Call	20,000	60.3133	70.9901	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	0.8628	0.9221	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	1142.4527	1123.7962	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	5.9760	5.9975	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	20.2823	20.5981	0.0000	0.0000	0	0.00

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Sep 2018	DAUS	14.54 Call	250	443.3567	432.7878	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	9.6031	11.1616	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	3.2563	3.6699	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	6.6714	7.7581	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	1013.0653	1004.6805	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	7.0468	8.2738	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	34.5555	43.0510	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	1105.9323	1098.8093	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	110.2481	129.4307	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	568.7786	576.7747	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.82 Put	114	322.0810	350.1105	0.0000	0.0000	0	0.00
Oct 2018	DAUS	15.01 Call	114	398.9769	411.3564	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	88.4509	97.1980	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	47.3164	54.1635	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.85 Put	1,100	345.7795	373.9772	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.50 Call	1,100	252.0932	264.8516	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	2.5795	3.1866	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	48.1182	61.3749	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	72.7479	80.7659	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.5612	0.8344	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	2.8008	3.4636	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1818.8856	1806.2011	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	10,000	94.1969	109.7958	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	626.4465	635.1468	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	615.7325	624.6957	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	539.9743	550.7195	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	411.3743	440.3195	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	576.2310	587.0876	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	712.8262	722.4496	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.31 Call	10,000	405.1002	420.0727	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	23.8293	28.6203	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	80.1570	95.6350	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	1102.6793	1104.8360	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	179.6647	202.7024	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	637.7119	651.1751	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	153.9099	166.5687	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	98.1941	108.2350	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	803.5694	839.3540	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	106.1670	124.6741	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	205.7176	230.9365	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	465.1033	498.8728	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	704.2318	740.1649	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	13.65 Put	20,000	70.5961	85.7479	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	105.2136	124.0462	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	565.9526	584.1223	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	367.1783	385.9120	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	126.1112	145.9835	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	231.4914	257.7359	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	494.4908	529.1561	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	731.5800	768.4486	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	44.9892	52.5165	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	51.1505	59.7366	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	808.0743	822.3531	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	760.7396	775.9290	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	38.9177	45.2174	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	118.4551	137.0455	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	1113.2420	1120.3837	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	232.1789	257.8652	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	545.4794	579.5616	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	207.1992	220.5459	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	141.9470	152.6750	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	30.5729	33.9076	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	54.7378	61.2449	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	280.4963	305.5638	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	1117.7364	1126.2987	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	737.8354	752.4954	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	65.0902	72.4088	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	319.4657	343.5497	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	1129.4929	1139.5554	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	777.5465	791.3543	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	73.5244	81.4160	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	355.1494	378.3367	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	1143.0107	1152.8683	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	810.5606	822.8730	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	80.9757	85.9364	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	2027.2315	2020.8864	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	388.7208	410.9957	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	1155.9784	1164.1724	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	841.0988	851.7607	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	89.6868	94.3418	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	419.2260	440.2607	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	1169.1463	1176.4091	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	868.4717	877.8000	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	633.2896	657.2537	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	17.22 Call	20,000	565.5663	574.1118	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	93.1220	97.3278	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	14.25 Put	250	444.9874	465.0503	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	1180.4570	1186.9529	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.96 Call	250	890.5346	898.8358	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	185.2865	199.3704	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	766.9229	775.4288	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	99.2226	110.1337	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	471.1916	490.6939	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	1202.9141	1208.5687	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	922.1703	928.8466	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	572.1379	592.7811	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	893.7804	900.2344	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	112.0333	124.9252	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	493.7241	511.8585	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	1214.9439	1218.8184	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	942.3060	947.9886	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	470.4263	475.4784	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	121.6365	135.5721	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	514.4986	532.3389	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1240.5761	1243.9680	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	973.7960	978.9098	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	141.0396	151.5806	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	534.3188	552.9725	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1261.9998	1265.0332	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	1004.0452	1008.4630	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	156.5601	170.1176	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	552.9060	570.6105	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1288.0492	1290.4595	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	1035.6795	1039.4803	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	172.1580	189.3249	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	569.8872	595.6162	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1314.4223	1301.2754	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	1070.6005	1061.0106	0.0000	0.0000	0	0.00		
			<u>837,891</u>					<u>0.00</u>	<u>0.00</u>	<u>20 653 898.00</u>	<u>0.00</u>
Total			966,971					11,746.00	177,578,890.30	31 300 366.00	130 177 534 640.60
Future											
Sep 2018	EUUS	Future	0	1.1693	1.1669	1.1658	1.1634	310	3,612,920.00		
Dec 2018	EUUS	Future	40	1.1766	1.1746	1.1759	1.1730	60	704,360.00		
			<u>40</u>					<u>370.00</u>	<u>4,317,280.00</u>	<u>744 425.00</u>	<u>8 444 889 015.00</u>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Total			40					370.00	4,317,280.00	744 425.00	8 444 889 015.00
Future											
Sep 2018	GBUS	Future	0	1.3155	1.3080	1.3083	1.3083	525	6,872,075.00		
Dec 2018	GBUS	Future	500	1.3199	1.3129	1.3149	1.3149	525	6,915,225.00		
			<u>500</u>					<u>1,050.00</u>	<u>13,787,300.00</u>	<u>168 916.00</u>	<u>2 173 437 129.00</u>
Total			500					1,050.00	13,787,300.00	168 916.00	2 173 437 129.00
Future											
Sep 2018	ZAAD	Future	0	10.7099	10.6879	0.0000	0.0000	2,428	26,003,637.20		
Dec 2018	ZAAD	Future	23,658	10.8329	10.8178	0.0000	0.0000	0	0.00		
Mar 2019	ZAAD	Future	520	10.9794	10.9646	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	11.1225	11.1071	0.0000	0.0000	0	0.00		
			<u>29,107</u>					<u>2,428.00</u>	<u>26,003,637.20</u>	<u>3 724 766.00</u>	<u>32 428 011 320.30</u>
Total			29,107					2,428.00	26,003,637.20	3 757 143.00	32 428 011 320.30
Future											
Dec 2018	ZACA	Future	600	11.5944	11.5689	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	0	2.3339	2.3403	0.0000	0.0000	245	5,718,055.00		
Dec 2018	ZADK	Future	240	2.3947	2.3877	0.0000	0.0000	0	0.00		
			<u>240</u>					<u>245.00</u>	<u>5,718,055.00</u>	<u>12 335.00</u>	<u>265 809 909.00</u>
Total			240					245.00	5,718,055.00	12 335.00	265 809 909.00
Future											
Sep 2018	ZAEU	Future	0	17.4117	17.3652	17.4628	17.4236	67,260	1,177,373,367.50		
Dec 2018	ZAEU	Future	111,269	17.7385	17.6878	17.8264	17.7858	22,912	409,054,767.40		
Mar 2019	ZAEU	Future	18,271	18.1115	18.0611	0.0000	0.0000	12,775	235,513,512.50		
Jun 2019	ZAEU	Future	5,256	18.4658	18.4137	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	Future	6,161	18.8630	18.8062	0.0000	0.0000	0	0.00		
			<u>140,957</u>					<u>102,947.00</u>	<u>1,821,941,647.40</u>	<u>15 496 428.00</u>	<u>222 537 089 821.70</u>
Option											
Mar 2019	ZAEU	15.60 Put	462	93.6095	101.3117	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	16.00 Call	650	2254.9759	2216.8311	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	17.33 Put	462	522.0453	556.5407	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	19.65 Call	462	501.9591	503.9924	0.0000	0.0000	0	0.00		
			<u>2,036</u>					<u>0.00</u>	<u>0.00</u>	<u>10 794 564.00</u>	<u>0.00</u>
Total			142,993					102,947.00	1,821,941,647.40	26 290 992.00	222 537 089 821.70

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Sep 2018	ZAFR	Future	0	15.4796	15.4062	0.0000	0.0000	882	13,653,007.20
Dec 2018	ZAFR	Future	1,648	15.7830	15.7068	0.0000	0.0000	0	0.00
Jun 2019	ZAFR	Future	150	16.4649	16.3865	0.0000	0.0000	0	0.00
			<u>1,798</u>					<u>882.00</u>	<u>13,653,007.20</u>
		Total	1,798					882.00	13,653,007.20
									620 476.00
									6 666 400 751.60
Future									
Sep 2018	ZAGB	Future	0	19.5899	19.4658	19.6253	19.5799	27,753	543,679,275.90
Dec 2018	ZAGB	Future	489,025	19.8983	19.7699	19.9812	19.9223	668	13,345,913.90
Mar 2019	ZAGB	Future	4,932	20.2469	20.1170	0.0000	0.0000	0	0.00
Jun 2019	ZAGB	Future	5,856	20.5732	20.4408	0.0000	0.0000	0	0.00
Sep 2019	ZAGB	Future	10,026	20.9355	20.7970	0.0000	0.0000	0	0.00
			<u>509,839</u>					<u>28,421.00</u>	<u>557,025,189.80</u>
									12 738 120.00
									216 531 941 895.50
Option									
Mar 2019	ZAGB	18.00 Put	500	212.4722	248.7906	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	21.44 Call	500	638.3787	621.2935	0.0000	0.0000	0	0.00
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>
		Total	510,839					28,421.00	557,025,189.80
									14 513 233.00
									216 531 941 895.50
Future									
Sep 2018	ZAJY	Future	0	0.1330	0.1328	0.0000	0.0000	115	1,529,327.50
Dec 2018	ZAJY	Future	6,905	0.1356	0.1352	0.0000	0.0000	0	0.00
			<u>6,905</u>					<u>115.00</u>	<u>1,529,327.50</u>
		Total	6,905					115.00	1,529,327.50
									1 014 997.00
									11 377 175 830.00
Future									
Jun 2019	ZAKS	Future	2,166	0.1454	0.1464	0.0000	0.0000	0	0.00
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>
		Total	2,166					0.00	0.00
									38 066.00
									515 662 000.00
Future									
Sep 2018	ZATR	Future	0	2.3674	2.4158	0.0000	0.0000	5,270	12,476,198.00
Dec 2018	ZATR	Future	12,000	2.2677	2.3229	0.0000	0.0000	0	0.00
			<u>12,000</u>					<u>5,270.00</u>	<u>12,476,198.00</u>
		Total	12,000					5,270.00	12,476,198.00
									383 239.00
									1 228 466 169.00
Future									
Dec 2018	ZAUM	Future	321	15.0761	15.0581	0.0000	0.0000	0	0.00
Mar 2019	ZAUM	Future	10	15.2636	15.2457	0.0000	0.0000	0	0.00

DATE	CONTRACT	OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
		331					0.00	0.00
								152 973.00
								176 787 920 960.00
	Total	331					0.00	0.00
								157 496.00
								176 787 920 960.00

Future

Sep 2018	ZAUS	Future	0	14.8913	14.8820	15.0610	14.9428	417,726	6,258,630,813.80
Dec 2018	ZAUS	Future	818,390	15.0761	15.0581	15.2500	15.0600	416,483	6,321,856,954.20
Mar 2019	ZAUS	Future	32,828	15.2636	15.2457	15.4224	15.3062	10,696	164,098,763.60
Jun 2019	ZAUS	Future	19,420	15.4395	15.4206	15.5728	15.5728	3,510	54,610,478.00
Sep 2019	ZAUS	Future	17,436	15.6341	15.6113	0.0000	0.0000	600	9,442,200.00
Mar 2020	ZAUS	Future	3,966	16.0431	16.0167	0.0000	0.0000	0	0.00
			<u>892,040</u>					<u>849,015.00</u>	<u>12,808,639,209.60</u>
									<u>186 337 348.00</u>
									<u>2 228 215 101 627.10</u>

Option

Dec 2018	ZAUS	11.64 Put	2,764	5.8667	6.8703	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	6.5822	7.6015	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	7.7035	8.7318	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	8.5579	9.5823	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	8.7404	9.7625	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	9.5115	10.7729	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	10.8832	12.4002	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	11.6391	13.2985	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	13.8496	15.9321	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2592.3470	2576.8954	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	16.2470	18.7954	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	19.2977	22.4432	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	20.6133	24.0174	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	22.6013	26.3969	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	29.3619	34.4813	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	2107.4368	2094.9403	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	31.3368	36.8403	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	33.4392	39.3497	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	35.6787	42.0203	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1916.7001	1905.9779	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	41.6603	49.1385	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1869.4014	1859.1873	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	43.3014	51.0873	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	47.3763	55.9190	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	47.9872	56.6428	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1682.0446	1674.1448	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	55.9446	66.0448	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1635.7233	1628.4751	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	59.6233	70.3751	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	67.6892	82.3518	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.68 Put	13,150	79.1761	95.2238	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	82.2695	98.6609	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	90.3940	107.6450	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1391.6415	1391.4122	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	97.3051	115.2487	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1375.1905	1375.3089	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	99.0905	117.2089	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	118.2841	138.1364	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	1254.9162	1257.6334	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,200	1216.0977	1219.6694	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	139.9977	161.5694	0.0000	0.0000	20,000	0.00
Dec 2018	ZAUS	14.10 Put	1,867	164.3641	187.6218	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	169.5662	193.1537	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	1118.3079	1124.0617	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	177.5777	201.6576	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	180.3037	204.5481	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	1067.5962	1074.4845	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	191.4962	216.3845	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	203.1473	228.6677	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	1032.2335	1039.9069	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	221.4951	247.9378	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	977.1665	986.9153	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	231.0665	258.8153	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	963.7071	974.3316	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	237.6071	266.2316	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	252.1934	281.4392	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	907.2571	919.2537	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	871.0903	883.9347	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	294.9903	325.8347	0.0000	0.0000	10,000	0.00
Dec 2018	ZAUS	14.51 Put	3,388	299.0761	0.0000	0.0000	0.0000	3,388	0.00
Dec 2018	ZAUS	14.60 Call	84,900	813.3986	827.5433	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	337.2986	369.4433	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	807.8065	822.0724	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	802.2464	816.6320	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	774.9231	789.8871	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	368.8231	401.7871	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	758.9089	774.1998	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	401.8930	435.6012	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	732.8427	748.6507	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	406.7427	440.5507	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	707.5549	723.8420	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	431.4549	465.7420	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.84 Call	1,000	687.8763	704.5171	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	483.1614	518.2935	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	10,100	613.9390	631.7657	0.0000	0.0000	200	0.00
Dec 2018	ZAUS	15.00 Put	20,700	537.8390	573.6657	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	609.5661	627.4540	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	575.5951	594.3745	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	571.4743	590.4165	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	551.9022	571.0062	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	656.9011	694.1371	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	688.6541	725.9905	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	721.0437	758.4505	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	473.5266	492.9790	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	444.8644	464.3055	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	438.7448	458.1737	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,000	432.7142	452.1271	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	856.6142	894.0271	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	429.7347	449.1370	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	406.6524	425.9469	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	401.0938	420.3511	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	377.0698	396.1319	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	369.4112	388.3988	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1106.6646	1143.3257	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	340.4488	359.0756	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	326.8742	345.3415	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	307.6282	325.8246	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	285.8163	303.6355	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	280.1778	297.8826	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	269.2761	286.7512	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	262.2767	279.5956	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	213.3260	229.1691	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	181.7951	196.2656	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	159.2446	172.8702	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	3.2967	3.7800	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	13.1256	13.7412	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	29.6487	30.9562	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	31.8666	33.3944	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	61.2344	65.9158	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	63.1731	68.0706	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	71.4086	77.2231	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	76.9600	83.3948	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	85.2827	92.6448	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	119.0675	130.1405	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.46 Put	20,000	135.7468	148.6039	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	178.3591	195.5973	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	182.6573	200.3237	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	193.7339	212.4801	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	203.5824	222.7901	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	221.6174	241.6208	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	232.3842	252.8390	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	260.7965	282.3575	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	272.7637	294.7551	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	351.9460	376.3953	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	1322.7200	1329.4609	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	377.4469	402.5637	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	411.8405	437.7762	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	1211.3064	1219.6892	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,000	435.7848	462.2418	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	449.0884	475.7824	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	462.6079	489.5364	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	14,200	548.1978	576.3816	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	588.6450	617.3134	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10	593.8007	622.5301	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	598.9829	627.7644	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	966.4675	977.9789	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	707.1951	736.9718	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	752.8666	782.9678	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	758.6713	788.8096	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	875.6803	888.0653	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	793.9079	824.2648	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	799.8539	830.2394	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	872.6336	903.3296	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	768.1136	781.1082	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	764.5404	777.5493	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	736.5966	749.6855	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	696.7639	709.9133	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	650.3055	663.4500	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	626.9619	640.0709	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	20,000	596.4119	609.4399	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	562.9594	575.8327	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	504.7535	517.2261	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	459.5488	471.5758	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	393.9073	405.1305	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	392.1780	403.3806	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	383.6779	394.7662	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	17.08 Call	7,028	373.7601	384.7111	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	372.1380	383.0640	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	370.5242	381.4288	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	350.2705	360.8675	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	312.2969	322.2414	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	254.4405	263.1630	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	220.0513	227.8305	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	12.5389	13.2323	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	22.3170	22.5034	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	56.1208	62.1417	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	86.5665	94.8908	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	132.8710	144.1758	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	290.7972	309.6976	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	6,250	307.7139	325.8628	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1799.0779	1798.2003	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	1517.7041	1519.9484	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	1424.4432	1427.6877	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	1298.0362	1304.4806	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	991.0601	999.5144	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	6,250	965.6993	974.2514	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	903.7994	912.5318	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	865.0723	873.8784	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	840.3273	849.1630	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	15.1007	16.1462	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	45.5291	54.9499	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	395.9366	416.1756	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	489.2176	507.4933	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	535.5696	554.6118	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.72 Put	1,200	702.8533	724.1941	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1059.5933	1085.7442	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.55 Call	30,000	1247.5163	1251.5070	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1169.6510	1196.4750	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	1130.9020	1135.0292	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	760.9970	766.2377	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	679.2174	684.9894	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	641.8467	647.8274	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	628.3416	634.3955	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	546.7603	553.1757	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	459.2491	468.2668	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	54.4435	56.6983	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	338.5343	354.5364	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	948.4158	952.1606	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	20.00 Call	2,000	581.8240	588.0222	0.0000	0	0.00
			6,145,960				33,588.00	0.00
		Total	7,038,000				882,603.00	12,808,639,209.60
								58 429 683.00
								244 767 031.00
								2 228 215 101 627.10
								0.00
		Grand Total	8,892,586				1,036,077.00	15 442 669 742.00
								334,969,105
								3,094,286,728,380.32