



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 30-August-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Oct 2018	CC01	Future	25,000	549.2172	560.1515	0.0000	0.0000	0	0.00
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>
		Total	25,000					0.00	0.00
									25 000.00 7 830 750.00
									25 000.00 7 830 750.00
Future									
Sep 2018	DAEU	Future	34	17.1352	16.8867	0.0000	0.0000	0	0.00
			<u>34</u>					<u>0.00</u>	<u>0.00</u>
									801 260.00 11 964 751 196.80
Option									
Aug 2019	DAEU	16.03 Put	31,200	280.7040	307.6813	0.0000	0.0000	0	0.00
Aug 2019	DAEU	16.24 Put	31,200	325.8535	358.3427	0.0000	0.0000	0	0.00
Aug 2019	DAEU	19.65 Call	62,400	950.7474	841.1935	0.0000	0.0000	0	0.00
			<u>124,800</u>					<u>0.00</u>	<u>0.00</u>
		Total	124,834					0.00	0.00
									1 143 987.00 0.00
									1 945 247.00 11 964 751 196.80
Future									
Sep 2018	DAGB	Future	14	19.1838	18.8413	0.0000	0.0000	0	0.00
Oct 2018	DAGB	Future	48	19.2421	18.8978	0.0000	0.0000	0	0.00
			<u>62</u>					<u>0.00</u>	<u>0.00</u>
		Total	62					0.00	0.00
									53 817.00 883 082 673.80
									261 130.00 883 082 673.80
Future									
Aug 2018	DAUS	Future	0	14.6553	14.4301	0.0000	0.0000	7,500	109,914,750.00
Aug 2018	DAUS	Future	3,299	14.6908	14.4301	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	197	14.6908	14.4345	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	300	14.6921	14.4379	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	2,569	14.7333	14.4817	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	14.7412	14.4893	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	235	14.7706	14.5177	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	14.7863	14.5328	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	14.7941	14.5404	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	3,847	14.7980	14.5442	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	14.7999	14.5461	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.8225	14.5690	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	420	14.8280	14.5748	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.8520	14.5996	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	5,449	14.8539	14.6015	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,387	14.9135	14.6605	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.9174	14.6643	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.9716	14.7176	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	14.9735	14.7195	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.9987	14.7443	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	15.0277	14.7728	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	15.0801	14.8243	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	15.0918	14.8358	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	15.1461	14.8892	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	15.2063	14.9484	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	15.2728	15.0094	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	15.3402	15.0705	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	15.4097	15.1338	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.4764	15.1962	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.5410	15.2565	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	15.6122	15.3230	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.6812	15.3875	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.7457	15.4478	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.8148	15.5122	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.8838	15.5767	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.9439	15.6328	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	16.0196	15.7035	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	16.1442	15.8200	0.0000	0.0000	0	0.00		
			<u>117,233</u>					<u>7,500.00</u>	<u>109,914,750.00</u>	<u>10 572 355.00</u>	<u>129 064 613 985.10</u>
Option											
Aug 2018	DAUS	13.00 Put	500	0.0000	0.0347	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.65 Call	500	1040.8009	781.6731	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	0.0252	3.7207	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.25 Put	250	3.4862	41.7642	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.42 Call	250	283.4630	104.9095	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	0.0260	0.0954	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	0.0124	0.0477	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.43 Put	10,000	1.4421	2.4743	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.44 Put	15,000	1.5040	2.5775	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	12.90 Put	100	0.6150	0.7695	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.09 Put	600	1.0476	1.3330	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	13.32 Call	600	1375.6235	1121.4842	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.45 Call	100	1246.5435	992.7338	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Call	100	902.0193	652.3733	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.90 Call	600	805.0895	561.8985	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.45 Call	20,000	336.9504	178.2209	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	5.3130	5.8439	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.48 Put	40,000	217.2635	316.8447	0.0000	0.0000	5,840	0.00
Sep 2018	DAUS	13.00 Put	500	6.8405	6.8695	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	998.4821	767.0527	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	47.5323	68.6970	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	142.8784	212.5892	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.54 Call	250	449.0741	303.3704	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	54.0379	28.0122	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	22.6368	10.4922	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	24.3768	28.0371	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	918.4400	715.8492	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	25.9219	25.5334	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	111.8037	146.7745	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	1009.5798	802.0724	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	241.8387	316.8030	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	559.1406	420.0982	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	127.4589	87.1599	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	81.9536	54.6637	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	7.6527	6.7517	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	133.4368	175.2461	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	108.4925	75.4158	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	2.5590	1.9341	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	6.8770	7.0161	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1658.7354	1413.8656	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	606.3845	473.8986	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	597.3361	466.6778	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	533.8203	415.9686	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	595.8203	731.1686	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	564.3416	442.4882	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	681.5413	540.4824	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	47.6377	52.9946	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	161.2382	205.9208	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	1015.1178	832.4132	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	304.9287	388.0383	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	618.3755	494.5310	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	184.6449	141.1522	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	127.7553	96.8858	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	DAUS	13.65 Put	20,000	139.3472	177.9832	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	190.9598	241.9312	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	557.6233	449.4245	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	381.5132	304.8107	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	78.9655	91.7590	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	89.4724	109.7560	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	766.0916	627.7699	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	724.9907	593.2540	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	66.0438	77.0465	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	198.4877	249.3680	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	1030.5440	862.1151	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	349.4976	436.0947	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	715.7058	849.7856	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	227.4979	179.8786	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	163.6302	128.2430	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	47.9068	57.0995	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	83.3492	100.5207	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	390.5120	479.4041	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	1042.1104	884.8718	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	707.2803	592.6337	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	95.4145	118.9629	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	423.1421	512.8477	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	1056.1050	907.3535	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	742.9972	630.5954	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	107.0473	134.0020	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	453.7640	542.3165	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	1070.5928	928.2304	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	773.0184	663.3587	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	120.4371	150.9458	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1883.2105	1676.0516	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	482.7063	570.3454	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	1084.6895	948.5985	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	801.3036	694.1810	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	130.1067	163.9367	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	509.6196	595.3515	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	1099.4642	966.8148	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	827.3049	721.2021	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	136.2737	173.5977	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	530.7443	615.8388	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	1114.7461	982.1216	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	850.0590	744.2852	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	248.3228	309.1852	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Jul 2019	DAUS	16.44 Call	39,250	739.3853	646.0421	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	137.9490	182.8600	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	553.5759	639.4002	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	1140.0106	1006.2833	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	882.2191	775.0317	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	661.6553	764.3671	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	858.1888	754.0750	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	145.6435	187.4224	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	571.7371	660.7832	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	1153.4910	1020.2334	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	904.1833	796.3964	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	147.1399	191.1401	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	592.7880	682.7106	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1185.4167	1051.0909	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	941.6755	831.5261	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	142.9430	204.9255	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	612.6974	703.9737	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1208.9195	1073.1572	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	972.3108	859.8371	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	168.8616	227.6320	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	630.1845	722.3815	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1236.0479	1098.6271	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	1003.7705	888.7130	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	189.6081	245.9207	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	646.5380	740.1716	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1263.9853	1124.4463	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	1039.0782	920.4379	0.0000	0.0000	0	0.00		
			<u>496,310</u>					<u>5,840.00</u>	<u>0.00</u>	<u>20 038 067.00</u>	<u>0.00</u>
Total			613,543					13,340.00	109,914,750.00	30 610 422.00	129 064 613 985.10
Option											
Sep 2018	DAYJ	8.26 Call	25,000	25.3711	32.3696	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>50 000.00</u>	<u>0.00</u>
Total			25,000					0.00	0.00	50 000.00	0.00
Future											
Sep 2018	EUUS	Future	7,138	1.1670	1.1702	0.0000	0.0000	0	0.00		
			<u>7,138</u>					<u>0.00</u>	<u>0.00</u>	<u>736 947.00</u>	<u>8 357 883 861.00</u>
Total			7,138					0.00	0.00	736 947.00	8 357 883 861.00
Future											
Sep 2018	GBUS	Future	25	1.3015	1.3003	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
			25					0.00	0.00	167 364.00	2 153 117 002.00
	Total		25					0.00	0.00	167 364.00	2 153 117 002.00
Future											
Sep 2018	ZAAD	Future	10,927	10.7155	10.5354	10.6709	10.6709	250	2,667,725.00		
Dec 2018	ZAAD	Future	11,819	10.8418	10.6641	10.8057	10.7897	750	8,100,175.00		
Mar 2019	ZAAD	Future	515	10.9842	10.8043	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	11.1237	10.9406	0.0000	0.0000	0	0.00		
			28,190					1,000.00	10,767,900.00	3 691 481.00	32 070 488 254.40
	Total		28,190					1,000.00	10,767,900.00	3 723 858.00	32 070 488 254.40
Future											
Dec 2018	ZACA	Future	595	11.4908	11.3181	0.0000	0.0000	0	0.00		
			595					0.00	0.00	137 638.00	1 354 875 987.10
	Total		595					0.00	0.00	137 638.00	1 354 875 987.10
Future											
Sep 2018	ZADK	Future	245	2.3124	2.2794	0.0000	0.0000	0	0.00		
Dec 2018	ZADK	Future	240	2.3575	2.3248	0.0000	0.0000	0	0.00		
			485					0.00	0.00	12 090.00	260 091 854.00
	Total		485					0.00	0.00	12 090.00	260 091 854.00
Future											
Sep 2018	ZAEU	Future	97,925	17.1679	16.9183	17.2011	16.9449	65	1,114,282.40		
Dec 2018	ZAEU	Future	37,781	17.4876	17.2396	17.5015	17.5015	3	52,212.50		
Mar 2019	ZAEU	Future	4,720	17.8455	17.5953	17.8515	17.8250	4	71,353.00		
Jun 2019	ZAEU	Future	5,256	18.1908	17.9351	0.0000	0.0000	0	0.00		
			145,682					72.00	1,237,847.90	15 234 175.00	217 916 552 930.50
Option											
Sep 2018	ZAEU	13.50 Put	29,734	0.0545	0.0391	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	57,090	0.3254	0.3382	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	13.8018	14.2229	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	531.9626	359.5363	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	7.2039	3.2276	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	16.00 Call	650	2047.2812	1828.0661	0.0000	0.0000	0	0.00		
			290,856					0.00	0.00	8 025 012.00	0.00
	Total		436,538					72.00	1,237,847.90	23 259 187.00	217 916 552 930.50
Future											
Sep 2018	ZAFR	Future	1,875	15.1652	14.8669	0.0000	0.0000	0	0.00		
Dec 2018	ZAFR	Future	765	15.4622	15.1642	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
	Jun 2019	ZAFR	Future	150	16.1188	15.8083	0.0000	0.0000	0	0.00		
				<u>2,790</u>					<u>0.00</u>	<u>0.00</u>	<u>616 850.00</u>	<u>6 610 548 121.80</u>
			Total	2,790					0.00	0.00	616 850.00	6 610 548 121.80
Future												
	Sep 2018	ZAGB	Future	195,687	19.1468	18.7993	19.1920	18.9882	3,756	71,807,351.00		
	Dec 2018	ZAGB	Future	247,950	19.4439	19.0974	19.5015	19.3430	43,157	834,343,655.50		
	Mar 2019	ZAGB	Future	4,932	19.7739	19.4229	0.0000	0.0000	0	0.00		
	Jun 2019	ZAGB	Future	6,156	20.0888	19.7315	0.0000	0.0000	0	0.00		
	Sep 2019	ZAGB	Future	4,645	20.4543	20.0749	0.0000	0.0000	0	0.00		
				<u>459,370</u>					<u>46,913.00</u>	<u>906,151,006.50</u>	<u>12 224 517.00</u>	<u>206 386 367 386.40</u>
			Total						46,913.00	906,151,006.50	13 999 630.00	206 386 367 386.40
Option												
	Mar 2019	ZAGB	18.00 Put	500	328.6162	388.5888	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	21.44 Call	500	567.7980	451.7847	0.0000	0.0000	0	0.00		
				<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 775 113.00</u>	<u>0.00</u>
			Total	460,370					46,913.00	906,151,006.50	13 999 630.00	206 386 367 386.40
Future												
	Sep 2018	ZAJY	Future	6,894	0.1322	0.1296	0.0000	0.0000	21	275,083.20		
				<u>6,894</u>					<u>21.00</u>	<u>275,083.20</u>	<u>1 001 061.00</u>	<u>11 183 470 612.50</u>
			Total	6,894					21.00	275,083.20	1 001 061.00	11 183 470 612.50
Future												
	Sep 2018	ZAKS	Future	562	0.1459	0.1432	0.0000	0.0000	0	0.00		
	Jun 2019	ZAKS	Future	1,628	0.1404	0.1418	0.0000	0.0000	0	0.00		
				<u>2,190</u>					<u>0.00</u>	<u>0.00</u>	<u>36 428.00</u>	<u>491 517 260.00</u>
			Total	2,190					0.00	0.00	36 428.00	491 517 260.00
Future												
	Sep 2018	ZATR	Future	5,270	2.1642	2.2323	0.0000	0.0000	0	0.00		
				<u>5,270</u>					<u>0.00</u>	<u>0.00</u>	<u>341 969.00</u>	<u>1 134 767 971.00</u>
			Total	5,270					0.00	0.00	341 969.00	1 134 767 971.00
Future												
	Sep 2018	ZAUM	Future	340	14.7114	14.4573	14.6445	14.6445	5	7,322,250.00		
	Dec 2018	ZAUM	Future	79	14.8806	14.6282	14.9142	14.9142	5	7,457,100.00		
	Mar 2019	ZAUM	Future	5	15.0626	14.8072	0.0000	0.0000	0	0.00		
				<u>424</u>					<u>10.00</u>	<u>14,779,350.00</u>	<u>152 470.00</u>	<u>176 020 450 400.00</u>
			Total	424					10.00	14,779,350.00	156 993.00	176 020 450 400.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Sep 2018	ZAUS	Future	487,631	14.7114	14.4573	14.7550	14.4450	120,959	1,763,385,719.90
Dec 2018	ZAUS	Future	272,828	14.8806	14.6282	14.9350	14.6058	26,754	397,561,943.10
Mar 2019	ZAUS	Future	37,219	15.0626	14.8072	15.0515	15.0115	165,604	2,482,163,446.00
Jun 2019	ZAUS	Future	19,610	15.2358	14.9760	0.0000	0.0000	1,800	27,307,140.00
Sep 2019	ZAUS	Future	11,708	15.4408	15.1629	0.0000	0.0000	3,140	48,401,059.00
			<u>828,996</u>					<u>318,257.00</u>	<u>4,718,819,308.00</u>
									<u>182 628 600.00</u>
									<u>2 171 562 159 635.00</u>

Option

Sep 2018	ZAUS	11.48 Put	5,200	0.0593	0.0512	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	0.0615	0.0521	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	0.0738	0.0637	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	0.0974	0.1025	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	0.1320	0.1405	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	0.1536	0.1644	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	0.2077	0.2248	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	2461.8374	2207.7886	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	0.4374	0.4886	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	0.5069	0.5701	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	0.6410	0.7290	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	2212.3093	1958.3520	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	44,000	0.9093	1.0520	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	1.1461	1.3416	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	1.2495	1.4692	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	1.4016	1.6581	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	1943.3739	1689.6786	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	1913.5492	1659.9019	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Put	500	2.1492	2.6019	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	2.4753	3.0205	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	1715.1674	1462.0089	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	70,000	3.7674	4.7089	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.10 Put	2,500	4.9680	5.8759	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	1517.9322	1264.6581	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,500	6.5322	7.3581	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	10,000	6.8974	7.7004	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	1468.8820	1215.5465	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	7.4820	8.2465	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	500	1419.5647	1166.5520	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	500	1223.0901	972.1140	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	1125.4961	876.1632	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	14.0961	18.8632	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	1076.9108	828.6178	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	746.3607	531.2463	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	22,000	34.9607	73.9463	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	ZAUS	14.20 Call	500	584.3478	395.0709	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.50 Call	500	383.3461	240.7241	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	279.9582	171.2361	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	173.3466	101.5711	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Put	50	461.9466	644.2711	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	33.1311	15.8382	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	29.2978	13.8130	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	24.5956	11.3697	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	18.5933	8.5093	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	9.8659	9.5208	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	10.8520	10.9208	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	12.3680	13.7237	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	14.3310	15.9486	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	14.7575	16.4324	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	16.5830	18.5049	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	19.1573	21.4365	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	20.5777	23.0582	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	24.7353	27.8196	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2409.8416	2161.2036	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	29.2416	33.0036	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	34.9597	39.6121	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	37.4180	42.4616	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	41.1238	46.7661	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	53.6206	61.3521	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1937.8385	1693.7909	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	57.2385	65.5909	0.0000	0.0000	38,250	0.00
Dec 2018	ZAUS	13.05 Put	1,500	61.0750	70.0947	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	65.1398	74.8760	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1754.6085	1513.5476	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	75.9064	88.6360	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1709.4356	1471.9376	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	78.8356	93.7376	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	86.0650	106.4599	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	87.1452	108.3716	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1534.2345	1311.4637	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	103.6345	133.2637	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1493.3491	1272.9226	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	112.7491	144.7226	0.0000	0.0000	700	0.00
Dec 2018	ZAUS	13.60 Put	66,000	132.6779	169.6329	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	154.9708	197.2844	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	157.3347	200.2019	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	167.0374	212.1629	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	13.78 Call	100	1275.1802	1069.6328	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	177.1453	224.5810	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1260.3337	1055.9580	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	179.7337	227.7580	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	1152.3084	958.5403	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,400	1117.6239	928.5591	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	72,750	237.0239	300.3591	0.0000	0.0000	38,250	0.00
Dec 2018	ZAUS	14.10 Put	1,867	269.6858	342.7555	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	276.5446	351.6123	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	1030.6166	854.2873	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	287.0433	365.1271	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	290.8794	369.6947	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	987.1955	816.4664	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	306.5955	388.2664	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	322.7880	407.3287	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	957.5101	790.3707	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Put	700	326.9101	412.1707	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	911.5652	750.1741	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	360.9652	451.9741	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	900.3755	740.4231	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	369.7755	462.2231	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	883.8097	726.0125	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	851.4658	697.9703	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	820.1615	670.9485	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	1,000	439.5615	542.7485	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	770.2601	628.1182	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	489.6601	599.9182	0.0000	0.0000	2,500	0.00
Dec 2018	ZAUS	14.61 Call	1,500	765.4225	623.9809	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	760.6156	619.8732	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	736.9836	599.8659	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	526.3836	641.6659	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	723.1300	588.2995	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	700.5777	569.5293	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	678.6823	551.3785	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	598.0823	723.1785	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	661.6363	537.2943	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	10,100	598.3990	484.6446	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	594.6893	481.5445	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	565.8546	457.4878	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	562.3539	454.5758	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	545.1871	440.3078	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	847.9679	998.3310	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	15.37 Call	4,372	475.9930	383.1610	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	450.4752	362.1874	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	445.0106	357.7014	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,500	439.6188	353.2789	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	436.9500	351.0940	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	416.2321	334.1416	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	411.2260	330.0524	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,580	389.6408	312.3565	0.0000	0.0000	200	0.00
Dec 2018	ZAUS	15.73 Call	135,000	382.7651	306.7089	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	356.6357	285.2799	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	344.3515	275.2345	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	326.8496	260.9527	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	306.8763	244.5845	0.0000	0.0000	38,250	0.00
Dec 2018	ZAUS	16.14 Call	10,000	301.6839	240.0327	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	237.4047	185.4094	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	184.4136	143.0221	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	5.6576	6.3767	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	16.8447	15.7623	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	44.8539	56.6209	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	48.0713	60.6068	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	89.5995	111.4720	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	92.2825	114.7263	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	103.6155	128.4361	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	122.4841	0.0000	0.0000	0.0000	276,000	0.00
Mar 2019	ZAUS	13.25 Put	10,000	145.6083	0.0000	0.0000	0.0000	20,000	0.00
Mar 2019	ZAUS	13.46 Put	20,000	189.2699	232.3919	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	265.7146	323.1134	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	299.7074	362.5086	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	312.7161	377.5158	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	346.7632	416.6375	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	453.7356	546.1922	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	1224.6352	1063.4741	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	484.9665	581.8735	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	527.7433	629.3876	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	1129.9510	978.2838	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,000	557.2953	0.0000	0.0000	0.0000	10,000	0.00
Mar 2019	ZAUS	14.53 Put	108	572.3746	678.6969	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	587.6554	0.0000	0.0000	0.0000	138,000	0.00
Mar 2019	ZAUS	14.82 Put	4,145	728.2950	849.0796	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	912.4402	783.9201	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	831.3210	712.0283	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	734.8389	627.5015	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	15.46 Call	108	731.6342	624.7035	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.54 Call	721	706.5693	602.8470	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.66 Call	139,342	670.8047	571.9988	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.89 Call	4,145	608.3006	518.1199	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	16.00 Call	10,000	581.1021	0.0000	0.0000	0.0000	20,000	0.00		
Mar 2019	ZAUS	16.13 Call	138,000	550.8738	0.0000	0.0000	0.0000	276,000	0.00		
Mar 2019	ZAUS	16.60 Call	50	456.3941	383.8768	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	17.08 Call	7,028	376.1908	314.2481	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	17.09 Call	7,000	374.7150	312.9718	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	17.50 Call	16,000	320.0714	265.8264	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	20.3763	18.1682	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	35.7710	48.1106	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	88.3409	114.4432	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	127.6059	162.4856	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	184.3708	230.5097	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	363.0686	428.3394	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	6,250	380.0976	447.5995	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	1,000	1671.3762	1483.6106	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	1410.0613	1248.7962	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	1327.3597	1176.1973	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	1217.3960	1076.1428	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	939.5190	822.7253	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	6,250	916.5480	802.2040	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	860.5082	752.3400	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	825.4528	721.4011	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	28.9646	27.4788	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	56.3653	83.2952	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	471.2312	548.4006	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	566.1599	0.0000	0.0000	0.0000	2,700	0.00		
Sep 2019	ZAUS	15.55 Call	30,000	1190.6798	1055.4932	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	1082.7386	957.7760	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	744.2522	651.7607	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	636.0225	0.0000	0.0000	0.0000	2,700	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	56.7651	66.2015	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	383.4957	471.0398	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	924.3180	816.2151	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	599.0856	529.9422	0.0000	0.0000	0	0.00		
			<u>4,982,021</u>					<u>863,550.00</u>	<u>0.00</u>	<u>55 398 095.00</u>	<u>0.00</u>
	Total		5,811,017					1,181,807.00	4,718,819,308.00	238 026 695.00	2 171 562 159 635.00

<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>
-------------	-----------------	-----------------	------------	-----------------	-------------	------------	---------------------	--------------------------

Grand Total		7,550,365				1,243,163.00	5 761 945 245.60	324,446,787	3,020,147,664,017.72
-------------	--	-----------	--	--	--	--------------	------------------	-------------	----------------------