



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 11-February-2019

<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>		
Future											
Feb 2019	DAEU	Future	29	15.5980	15.4858	0.0000	0.0000	0	0.00		
Mar 2019	DAEU	Future	53	15.6909	15.5780	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	4	15.7461	15.6327	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	1	15.7816	15.6680	0.0000	0.0000	0	0.00		
			<u>87</u>					<u>0.00</u>	<u>0.00</u>	<u>816 079.00</u>	<u>12 203 675 785.40</u>
Option											
Aug 2019	DAEU	19.65 Call	62,400	103.2125	99.3332	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	16.65 Call	21,000	1071.4656	1022.1355	0.0000	0.0000	0	0.00		
			<u>83,400</u>					<u>0.00</u>	<u>0.00</u>	<u>1 659 987.00</u>	<u>0.00</u>
Total			83,487					0.00	0.00	2 476 066.00	12 203 675 785.40
Future											
Feb 2019	DAGB	Future	47	17.7776	17.6672	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	80	17.8659	17.7545	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	43	17.9181	17.8063	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	120	17.9517	17.8399	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	27	17.9608	17.8490	0.0000	0.0000	0	0.00		
			<u>317</u>					<u>0.00</u>	<u>0.00</u>	<u>66 877.00</u>	<u>1 121 639 544.20</u>
Total			317					0.00	0.00	274 190.00	1 121 639 544.20
Future											
Feb 2019	DAUS	Future	70	13.7697	13.6075	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	6	13.7726	13.6105	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	5,759	13.7931	13.6312	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	74	13.7995	13.6375	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	10,080	13.8012	13.6391	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	13.8371	13.6744	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,708	13.8403	13.6776	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.8468	13.6841	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	260	13.8681	13.7054	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>		
Apr 2019	DAUS	Future	349	13.8865	13.7236	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	15	13.8915	13.7286	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	319	13.8932	13.7303	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	25,000	13.9083	13.8640	0.0000	0.0000	50,000	692,512,500.00		
May 2019	DAUS	Future	264	13.9461	13.7825	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	13.9530	13.7893	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	753	13.9942	13.8301	0.0000	0.0000	753	10,518,506.40		
Jul 2019	DAUS	Future	55	13.9994	13.8353	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	26	14.0513	13.8862	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.0531	13.8879	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	65	14.1036	13.9383	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.1088	13.9436	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.1122	13.9471	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	53	14.1573	13.9926	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.1607	13.9961	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	108	14.2129	14.0470	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	Future	52	14.2657	14.0976	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.2711	14.1029	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.2747	14.1063	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.3268	14.1582	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.3788	14.2092	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.4354	14.2650	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.4926	14.3212	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.5424	14.3702	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.6064	14.4333	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.7128	14.5383	0.0000	0.0000	0	0.00		
			<u>136,821</u>					<u>50,753.00</u>	<u>703,031,006.40</u>	<u>11 146 080.00</u>	<u>137 212 490 747.30</u>
Option											
Feb 2019	DAUS	13.76 Put	684	81.7809	203.9778	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.81 Call	684	73.6438	43.1179	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.87 Put	22,000	151.5048	291.8864	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.29 Put	0	16.0656	42.2132	0.0000	0.0000	25,000	0.00		
Feb 2019	DAUS	13.55 Put	25,000	56.2499	0.0000	0.0000	0.0000	25,000	0.00		
Feb 2019	DAUS	13.75 Put	25,000	150.8935	255.0726	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	5.8002	12.0540	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.70 Put	600	137.7964	232.5273	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.20 Put	250	470.2401	616.1884	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.25 Call	600	55.2150	41.7126	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.25 Put	250	512.1150	660.5126	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	25.9259	19.1374	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.75 Call	600	12.8126	9.4344	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	15.27 Call	250	2.7792	2.3184	0.0000	0.0000	0	0.00		

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Feb 2019	DAUS	15.63 Call	250	1.2842	1.1082	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.40 Call	50,000	454.3787	345.8501	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.50 Call	50,000	380.7417	285.1354	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.70 Call	100,000	256.7152	188.1080	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	310.5978	429.1543	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	15.0791	11.9232	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.80 Call	30,000	292.9721	0.0000	0.0000	0.0000	30,000	0.00
Mar 2019	DAUS	13.88 Put	32,000	321.3502	426.4988	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	396.3485	510.6078	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	37.4055	58.9154	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	133.2587	195.1311	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	291.9825	232.5164	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	541.2245	667.0157	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	578.4317	706.9509	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	135.4383	108.1344	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	90.6572	72.3538	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	26.6253	20.1939	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	13.2143	9.8603	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	279.9249	369.6017	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	169.0764	136.4879	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	80.8570	114.8854	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	626.0715	530.8203	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	611.6034	725.1286	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	646.4416	762.3330	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	158.4916	132.4150	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	72.1005	59.7738	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	50.2975	41.8764	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	534.8245	0.0000	0.0000	0.0000	50,000	0.00
May 2019	DAUS	13.00 Put	500	118.0849	156.4019	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	657.4721	765.7301	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	691.0098	801.4326	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	206.8181	178.5900	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	109.6108	94.0492	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	82.1401	70.6861	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	445.5808	533.4295	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	144.4345	184.9453	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	685.8435	791.3569	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	718.5341	826.1099	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	238.4166	210.3087	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	135.7750	119.1538	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	105.6722	93.0648	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	172.2597	214.6413	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	14.20 Put	250	713.4663	816.4930	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	745.3346	850.3312	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	274.0580	244.8146	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	165.3632	147.7735	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.50 Call	250	132.7056	119.0629	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,147	907.2142	1019.6148	0.0000	0.0000	6,294	0.00		
Aug 2019	DAUS	16.35 Call	3,147	162.6649	146.4012	0.0000	0.0000	3,147	0.00		
Aug 2019	DAUS	13.00 Put	500	194.7729	238.8697	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	736.4903	837.3970	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	767.7848	870.5485	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	301.5131	271.1088	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	189.9201	171.5415	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	155.2840	140.6653	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	57.1835	50.0300	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	215.2186	260.6215	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	756.7533	855.2668	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	787.5381	887.8175	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	328.9323	298.4316	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	215.7332	196.5706	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	178.3446	164.4986	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	234.9239	281.7675	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	775.3936	872.5587	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	805.7110	904.5643	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	351.5136	320.4513	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	238.6842	218.6171	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	201.7353	188.9146	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	251.8501	300.1337	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	790.3806	887.1461	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	820.4861	918.6921	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	373.8849	342.3522	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	260.8661	239.8753	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	225.8904	211.8303	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	268.9221	317.9866	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	804.4622	900.1897	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	834.2498	931.2589	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	395.7793	364.2978	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	284.0957	263.4588	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	250.2996	235.3313	0.0000	0.0000	0	0.00		
			<u>607,462</u>					<u>139,441.00</u>	<u>0.00</u>	<u>22 898 024.00</u>	<u>0.00</u>
	Total		744,283					190,194.00	703,031,006.40	34 044 104.00	137 212 490 747.30

Future

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Mar 2019	EUUS	Future	5	1.1326	1.1378	0.0000	0.0000	0	0.00		
Jun 2019	EUUS	Future	582	1.1412	1.1464	0.0000	0.0000	0	0.00		
			587					0.00	0.00	745 402.00	8 456 173 900.00
		Total	587					0.00	0.00	745 402.00	8 456 173 900.00
Future											
Mar 2019	GBUS	Future	5	1.2901	1.2973	0.0000	0.0000	0	0.00		
			5					0.00	0.00	171 722.00	2 209 540 628.00
		Total	5					0.00	0.00	171 722.00	2 209 540 628.00
Future											
Mar 2019	ZAAD	Future	5,731	9.7761	9.7024	9.7230	9.7230	1	9,723.00		
Jun 2019	ZAAD	Future	15,741	9.8931	9.8185	0.0000	0.0000	0	0.00		
Sep 2019	ZAAD	Future	513	10.0223	9.9479	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.1500	10.0726	0.0000	0.0000	0	0.00		
			22,385					1.00	9,723.00	3 849 245.00	33 725 541 903.10
Option											
Dec 2019	ZAAD	11.00 Call	1,000	217.6693	202.3595	0.0000	0.0000	0	0.00		
			1,000					0.00	0.00	34 377.00	0.00
		Total	23,385					1.00	9,723.00	3 883 622.00	33 725 541 903.10
Future											
Mar 2019	ZACA	Future	500	10.4098	10.2997	0.0000	0.0000	0	0.00		
Jun 2019	ZACA	Future	650	10.5419	10.4307	0.0000	0.0000	0	0.00		
Sep 2019	ZACA	Future	400	10.6850	10.5730	0.0000	0.0000	0	0.00		
			1,550					0.00	0.00	150 363.00	1 491 472 790.10
		Total	1,550					0.00	0.00	150 363.00	1 491 472 790.10
Future											
Mar 2019	ZAEU	Future	139,440	15.6553	15.5426	15.6540	15.4960	215	3,357,469.50		
Jun 2019	ZAEU	Future	29,425	15.9425	15.8274	15.9571	15.9571	14	223,399.40		
Sep 2019	ZAEU	Future	21,578	16.2578	16.1410	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	Future	17,899	16.5617	16.4403	0.0000	0.0000	0	0.00		
			208,342					229.00	3,580,868.90	16 205 844.00	234 161 721 929.60
Option											
Mar 2019	ZAEU	16.00 Call	650	154.1929	133.5074	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	55,000	233.3853	221.2080	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	13.73 Put	17,150	53.6692	61.6979	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	16.15 Put	17,150	686.6765	752.0243	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	20.62 Call	17,150	232.7442	230.1638	0.0000	0.0000	0	0.00		
			107,100					0.00	0.00	10 956 876.00	0.00

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Total			315,442					229.00	3,580,868.90	27 162 720.00	234 161 721 929.60
Future											
Mar 2019	ZAFR	Future	1,143	13.8111	13.6969	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	14.0771	13.9610	0.0000	0.0000	0	0.00		
			<u>1,293</u>					<u>0.00</u>	<u>0.00</u>	626 980.00	6 760 109 369.60
Total			1,293					0.00	0.00	626 980.00	6 760 109 369.60
Future											
Mar 2019	ZAGB	Future	398,019	17.8321	17.7210	17.8700	17.7000	85	1,517,513.80		
Jun 2019	ZAGB	Future	5,824	18.1037	17.9907	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	16,469	18.3989	18.2850	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	Future	12,690	18.6820	18.5628	0.0000	0.0000	0	0.00		
			<u>433,002</u>					<u>85.00</u>	<u>1,517,513.80</u>	13 853 192.00	236 917 303 040.40
Option											
Mar 2019	ZAGB	18.00 Put	500	425.2337	510.5594	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	19.00 Call	2,500	47.1483	44.3982	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	19.19 Put	1,000	1389.7295	1499.8386	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.00 Call	500	7.6252	8.6296	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.18 Call	1,500	6.1405	6.9465	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	1.8992	2.3336	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	18.00 Call	1,000	704.8061	658.5378	0.0000	0.0000	0	0.00		
			<u>7,500</u>					<u>0.00</u>	<u>0.00</u>	1 784 813.00	0.00
Total			440,502					85.00	1,517,513.80	15 638 005.00	236 917 303 040.40
Future											
Mar 2019	ZAJY	Future	10,000	0.1255	0.1249	0.0000	0.0000	0	0.00		
			<u>10,000</u>					<u>0.00</u>	<u>0.00</u>	1 091 937.00	12 363 272 053.60
Total			10,000					0.00	0.00	1 091 937.00	12 363 272 053.60
Future											
Jun 2019	ZAKS	Future	2,166	0.1363	0.1343	0.0000	0.0000	0	0.00		
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	38 066.00	515 662 000.00
Total			2,166					0.00	0.00	38 066.00	515 662 000.00
Future											
Sep 2019	ZANZ	Future	646	9.5607	9.4694	0.0000	0.0000	0	0.00		
			<u>646</u>					<u>0.00</u>	<u>0.00</u>	146 792.00	1 127 677 204.60
Total			646					0.00	0.00	166 792.00	1 127 677 204.60

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Mar 2019	ZASD	Future	1,200	10.1730	10.0874	0.0000	0.0000	0	0.00
			<u>1,200</u>					<u>0.00</u>	<u>0.00</u>
		Total	1,200					0.00	0.00
									10 726.00
									109 054 884.50
Future									
Mar 2019	ZATR	Future	30,000	2.5716	2.5478	0.0000	0.0000	0	0.00
			<u>30,000</u>					<u>0.00</u>	<u>0.00</u>
		Total	30,000					0.00	0.00
									426 585.00
									1 336 566 339.90
Future									
Mar 2019	ZAUM	Future	422	13.8224	13.6599	0.0000	0.0000	0	0.00
Jun 2019	ZAUM	Future	10	13.9703	13.8063	0.0000	0.0000	0	0.00
			<u>432</u>					<u>0.00</u>	<u>0.00</u>
		Total	432					0.00	0.00
									155 505.00
									180 428 410 410.00
Future									
Mar 2019	ZAUS	Future	548,468	13.8224	13.6599	13.8370	13.6500	76,990	1,058,115,835.10
Jun 2019	ZAUS	Future	105,450	13.9703	13.8063	13.9823	13.8200	1,024	14,277,800.40
Sep 2019	ZAUS	Future	15,525	14.1331	13.9681	14.1300	14.0914	305	4,298,088.50
Dec 2019	ZAUS	Future	10,100	14.2909	14.1223	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	Future	4,566	14.4612	14.2904	0.0000	0.0000	0	0.00
			<u>684,109</u>					<u>78,319.00</u>	<u>1,076,691,724.00</u>
									195 222 274.00
									2 354 595 736 982.00
Option									
Mar 2019	ZAUS	10.33 Put	1,000	0.0199	0.0279	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	0.4868	0.8618	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	4.9645	8.5430	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	5.6186	9.6607	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.80 Put	7,520	13.5530	22.9850	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	18.2161	30.6474	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	19.3146	32.4383	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	15,434	24.3656	40.5972	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	28.1245	48.9805	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	34.2998	62.7779	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	37.3124	69.4696	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	225,407	54.3077	95.3769	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	71.5009	120.3198	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	78.8432	130.6779	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	107.0702	169.2593	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Call	245	442.4416	346.3557	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	12,050	120.0416	186.4557	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	137.6516	209.3641	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Mar 2019	ZAUS	13.60 Call	500	379.2369	293.7370	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	6,570	156.8369	233.8370	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.62 Put	6,432	164.9544	244.0602	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	190.8369	277.0599	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	199.9730	288.8289	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	209.3629	300.8299	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	244.2115	344.6193	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	2,100	260.6626	364.2008	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	277.9527	384.2475	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	283.8362	391.0314	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	307.9587	418.6574	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	211.7949	164.1499	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	194.5937	150.8521	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	29,200	372.1937	490.9521	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	399.3631	521.0681	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	137.9501	107.3993	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	126.4712	98.6420	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	577.6359	713.8385	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	115.9252	90.6079	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	593.5252	730.7079	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	633.8460	773.3402	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	708.4086	851.0941	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	716.8386	859.8496	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	87.6961	68.5269	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	84.6916	66.1457	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	81.7892	63.8465	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	759.3892	903.9465	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	785.0569	930.6493	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	810.9507	957.5232	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	889.8816	1039.0963	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	970.4827	1121.9315	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	47.4261	37.6647	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	1034.1739	1187.1134	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	1043.3373	1196.4739	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	1052.5160	1205.8459	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1061.7097	1215.2291	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	33.0511	26.6431	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1248.3633	1404.9804	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1305.2372	1462.1159	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1324.2705	1481.2026	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1333.8005	1490.7595	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	24.4054	18.9739	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	15.19 Put	41,300	1391.1571	1548.2805	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1400.7392	1557.8957	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	22.1766	17.0496	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	20.8038	15.9852	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1515.5082	1673.8428	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	15.0700	11.5484	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	13.5213	10.3517	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	13.2302	10.1274	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	3,050	12.1260	9.2751	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	11.1111	8.4925	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	8.5357	6.5092	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	6.1234	4.6552	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	5.8570	4.4510	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	5.1245	3.8892	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	4.0083	3.0343	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	2.9957	2.2605	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	2.6779	2.0179	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	2.0454	1.5361	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	1.7090	1.2804	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	1.0910	1.2040	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	1.0432	1.2027	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	1.0511	1.1992	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	1.0517	1.1996	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	1.0554	1.2018	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	1.0604	1.2053	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	1.0613	1.2060	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	1.0622	1.2066	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	1.0759	1.2173	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	1.0846	1.2245	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	1.1141	1.2500	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	1.0905	0.7908	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	0.4899	0.3514	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	2.9570	3.7197	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	35.5580	46.0454	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	65.9252	90.3240	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	81.4354	109.8256	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	126.9620	165.6259	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	131.6219	171.2412	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	197.0127	251.7659	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	200.1354	255.6395	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	10,000	764.6449	670.1205	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	708.3988	619.3907	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>
Jun 2019	ZAUS	13.83 Put	25,000	451.5480	539.1981	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	0	478.4985	569.3974	0.0000	0.0000	10,070	0.00
Jun 2019	ZAUS	13.90 Call	100	559.8024	487.9874	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	525.4635	458.3003	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	1,000	517.3579	451.1634	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	143,900	547.0579	644.8634	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	589.6230	690.7391	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	672.3985	779.3461	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	705.4642	814.5397	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	393.8312	342.9754	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	372.9443	324.7848	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	329.4074	286.9135	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	976.6258	1099.7612	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	991.7761	1115.5475	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	273.8876	238.7434	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	20,000	238.9240	208.4943	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	221.6589	193.5755	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	188.4072	163.7320	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	164.0227	142.3973	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	0	149.5095	129.8721	0.0000	0.0000	5,035	0.00
Jun 2019	ZAUS	15.64 Call	39,589	147.2293	127.9042	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	130.3013	113.3071	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	121.7317	105.9197	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	119.0145	103.5776	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	112.0957	97.6160	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	104.8462	91.3690	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	33.8037	30.9871	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	7.1044	8.0065	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	100.3685	123.8877	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	250.5249	301.2540	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	283.4300	338.3156	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	929.9359	842.4500	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	470.9839	550.6079	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	612.6022	703.1883	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	629.4677	721.2998	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	753.6215	853.6735	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1603.9350	1736.0567	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1752.3867	1885.2845	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	274.4021	247.7827	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	140.6352	131.7081	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	122.1169	115.0466	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	114.1962	107.9035	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	17.93 Call	2,571	111.4156	105.3938	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.47 Call	1,200	91.3286	80.4662	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	11.89 Put	1,000	42.6112	58.8403	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	13.66 Put	1,000	506.3748	584.7914	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	14.07 Put	1,351	721.0165	814.0138	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	16.85 Call	1,351	282.0528	259.8654	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	17.38 Call	1,000	233.7011	219.6056	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	81.7257	71.1509	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	11.91 Put	1,000	46.7821	62.5345	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.01 Put	1,000	732.1607	820.0962	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.73 Call	1,000	327.1773	309.8433	0.0000	0.0000	0	0.00	
			<u>4,463,223</u>					<u>15,105.00</u>	<u>0.00</u>	<u>64 666 430.00</u>
		Total	5,147,332					93,424.00	1,076,691,724.00	259 888 704.00
										2 354 595 736 982.00

Grand Total	6,802,627							283,933.00	1 784 830 836.10	355,716,993	3,268,311,676,330.63
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