



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 12-February-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Future											
Feb 2019	DAEU	Future	29	15.5929	15.5980	0.0000	0.0000	0	0.00		
Mar 2019	DAEU	Future	53	15.6871	15.6909	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	4	15.7432	15.7461	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	1	15.7790	15.7816	0.0000	0.0000	0	0.00		
			87					0.00	0.00	816 079.00	12 203 675 785.40
Option											
Aug 2019	DAEU	19.65 Call	62,400	100.4908	103.2125	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	16.65 Call	21,000	1074.6495	1071.4656	0.0000	0.0000	0	0.00		
			83,400					0.00	0.00	1 659 987.00	0.00
Total			83,487					0.00	0.00	2 476 066.00	12 203 675 785.40
Future											
Feb 2019	DAGB	Future	47	17.7836	17.7776	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	80	17.8732	17.8659	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	43	17.9266	17.9181	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	120	17.9604	17.9517	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	27	17.9696	17.9608	0.0000	0.0000	0	0.00		
			317					0.00	0.00	66 877.00	1 121 639 544.20
Total			317					0.00	0.00	274 190.00	1 121 639 544.20
Future											
Feb 2019	DAUS	Future	70	13.7621	13.7697	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	6	13.7653	13.7726	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	5,759	13.7863	13.7931	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	74	13.7926	13.7995	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	10,080	13.7942	13.8012	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	13.8312	13.8371	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,708	13.8346	13.8403	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.8414	13.8468	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	260	13.8633	13.8681	0.0000	0.0000	0	0.00		

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Apr 2019	DAUS	Future	349	13.8819	13.8865	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	15	13.8870	13.8915	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	319	13.8887	13.8932	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	25,000	13.9039	13.9083	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	264	13.9418	13.9461	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	74	13.9487	13.9530	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	753	13.9900	13.9942	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	13.9952	13.9994	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	26	14.0474	14.0513	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.0491	14.0531	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	65	14.1000	14.1036	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.1052	14.1088	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	14.1087	14.1122	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	53	14.1546	14.1573	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.1581	14.1607	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	108	14.2098	14.2129	0.0000	0.0000	0	0.00
Nov 2019	DAUS	Future	52	14.2616	14.2657	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.2669	14.2711	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.2704	14.2747	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.3226	14.3268	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.3757	14.3788	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.4326	14.4354	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.4894	14.4926	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.5388	14.5424	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.6051	14.6064	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.7182	14.7128	0.0000	0.0000	0	0.00
			<u>136,821</u>					<u>0.00</u>	<u>0.00</u>
									<u>11 146 080.00</u>
									<u>137 212 490 747.30</u>
Option									
Feb 2019	DAUS	13.76 Put	684	74.3046	81.7809	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.81 Call	684	59.8716	73.6438	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.87 Put	22,000	146.7483	151.5048	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.55 Put	25,000	50.3208	56.2499	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.75 Put	25,000	149.6160	150.8935	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	6.0640	5.8002	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.70 Put	600	137.0887	137.7964	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	471.9548	470.2401	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Call	600	50.4968	55.2150	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	514.1968	512.1150	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	22.9834	25.9259	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.75 Call	600	11.1919	12.8126	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	2.3713	2.7792	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	1.0670	1.2842	0.0000	0.0000	0	0.00

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Mar 2019	DAUS	13.40 Call	50,000	445.7364	454.3787	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.50 Call	50,000	372.1275	380.7417	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.70 Call	100,000	248.7443	256.7152	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	311.1532	310.5978	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	13.7712	15.0791	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.80 Call	30,000	284.8494	292.9721	0.0000	0.0000	8,106	0.00
Mar 2019	DAUS	13.88 Put	32,000	320.4901	321.3502	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	395.9664	396.3485	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	37.1599	37.4055	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	132.2583	133.2587	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	285.2248	291.9825	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	541.4088	541.2245	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	578.8205	578.4317	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	130.7419	135.4383	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	87.0389	90.6572	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	25.1605	26.6253	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	12.3198	13.2143	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	278.4514	279.9249	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	164.0447	169.0764	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	79.8248	80.8570	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	619.5764	626.0715	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	610.0924	611.6034	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	645.0705	646.4416	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	154.4414	158.4916	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	70.1348	72.1005	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	49.0018	50.2975	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	528.0253	534.8245	0.0000	0.0000	1,500	0.00
May 2019	DAUS	13.00 Put	500	117.4480	118.0849	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	656.9076	657.4721	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	690.5415	691.0098	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	203.6727	206.8181	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	107.9282	109.6108	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	80.9407	82.1401	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	444.7900	445.5808	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	143.8136	144.4345	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	685.6833	685.8435	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	718.4413	718.5341	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	235.6026	238.4166	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	134.0691	135.7750	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	104.3385	105.6722	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	171.5062	172.2597	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	713.5850	713.4663	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	14.25 Put	250	745.5001	745.3346	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	271.5252	274.0580	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	163.6267	165.3632	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.50 Call	250	131.2531	132.7056	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,147	907.3734	907.2142	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,147	160.6880	162.6649	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	194.1121	194.7729	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	736.4408	736.4903	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	767.7546	767.7848	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	298.6196	301.5131	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	187.8047	189.9201	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	153.4617	155.2840	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	56.2304	57.1835	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	214.5970	215.2186	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	756.4105	756.7533	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	787.1966	787.5381	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	326.3010	328.9323	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	213.7286	215.7332	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	176.5918	178.3446	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	234.5510	234.9239	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	775.3603	775.3936	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	805.6750	805.7110	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	348.7968	351.5136	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	236.5448	238.6842	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	199.8357	201.7353	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	251.9150	251.8501	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	790.8956	790.3806	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	821.0099	820.4861	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	370.9134	373.8849	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	258.4819	260.8661	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	223.7209	225.8904	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	269.1208	268.9221	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	805.0358	804.4622	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	834.8363	834.2498	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	392.7073	395.7793	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	281.5897	284.0957	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	247.9938	250.2996	0.0000	0.0000	0	0.00		
			<u>607,462</u>					<u>9,606.00</u>	<u>0.00</u>	<u>22 907 630.00</u>	<u>0.00</u>
		Total	744,283					9,606.00	0.00	34 053 710.00	137 212 490 747.30

Future

Mar 2019	EUUS	Future	5	1.1328	1.1326	0.0000	0.0000	0	0.00
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Jun 2019	EUUS	Future	582	1.1414	1.1412	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	1.2912	1.2901	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	9.8018	9.7761	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	15,741	9.9203	9.8931	0.0000	0.0000	0	0.00		
Sep 2019	ZAAD	Future	513	10.0507	10.0223	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.1768	10.1500	0.0000	0.0000	0	0.00		
			22,385					0.00	0.00	3 849 245.00	33 725 541 903.10
Option											
Dec 2019	ZAAD	11.00 Call	1,000	223.2364	217.6693	0.0000	0.0000	0	0.00		
			1,000					0.00	0.00	34 377.00	0.00
		Total	23,385					0.00	0.00	3 883 622.00	33 725 541 903.10
Future											
Mar 2019	ZACA	Future	500	10.4278	10.4098	0.0000	0.0000	0	0.00		
Jun 2019	ZACA	Future	650	10.5620	10.5419	0.0000	0.0000	0	0.00		
Sep 2019	ZACA	Future	400	10.7065	10.6850	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											
Jun 2019	ZADK	Future	250	2.1375	2.1373	2.1324	2.1324	250	5,331,000.00		
			250					250.00	5,331,000.00	13 625.00	294 020 589.00
		Total	250					250.00	5,331,000.00	13 625.00	294 020 589.00
Future											
Mar 2019	ZAEU	Future	139,445	15.6507	15.6553	15.6219	15.6200	424	6,630,548.50		
Jun 2019	ZAEU	Future	29,425	15.9402	15.9425	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	Future	21,578	16.2577	16.2578	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	Future	17,899	16.5597	16.5617	0.0000	0.0000	0	0.00		
			208,347					424.00	6,630,548.50	16 206 268.00	234 168 352 478.10
Option											
Mar 2019	ZAEU	16.00 Call	650	149.4098	154.1929	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	55,000	231.4846	233.3853	0.0000	0.0000	0	0.00		

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Dec 2019	ZAEU	13.73 Put	17,150	54.3907	53.6692	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	16.15 Put	17,150	689.2926	686.6765	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	230.5783	232.7442	0.0000	0.0000	0	0.00	
			<u>107,100</u>					<u>0.00</u>	<u>0.00</u>	<u>10 956 876.00</u>
		Total	315,447					424.00	6,630,548.50	27 163 144.00
										234 168 352 478.10
Future										
Mar 2019	ZAFR	Future	1,143	13.7415	13.8111	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	14.0084	14.0771	0.0000	0.0000	0	0.00	
			<u>1,293</u>					<u>0.00</u>	<u>0.00</u>	<u>626 980.00</u>
		Total	1,293					0.00	0.00	626 980.00
										6 760 109 369.60
Future										
Mar 2019	ZAGB	Future	326,105	17.8386	17.8321	17.7900	17.7857	96,070	1,711,278,000.50	
Jun 2019	ZAGB	Future	5,824	18.1130	18.1037	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	16,469	18.4109	18.3989	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	Future	12,690	18.6927	18.6820	0.0000	0.0000	0	0.00	
			<u>361,088</u>					<u>96,070.00</u>	<u>1,711,278,000.50</u>	<u>13 949 262.00</u>
										238 628 581 040.90
Option										
Mar 2019	ZAGB	18.00 Put	500	415.7511	425.2337	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.00 Call	2,500	47.3045	47.1483	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	1384.1572	1389.7295	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	7.9676	7.6252	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	6.2052	6.1405	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	1.4706	1.8992	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	18.00 Call	1,000	706.3256	704.8061	0.0000	0.0000	0	0.00	
			<u>7,500</u>					<u>0.00</u>	<u>0.00</u>	<u>1 784 813.00</u>
		Total	368,588					96,070.00	1,711,278,000.50	15 734 075.00
										238 628 581 040.90
Future										
Mar 2019	ZAJY	Future	10,000	0.1254	0.1255	0.0000	0.0000	0	0.00	
			<u>10,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 091 937.00</u>
		Total	10,000					0.00	0.00	1 091 937.00
										12 363 272 053.60
Future										
Jun 2019	ZAKS	Future	2,166	0.1366	0.1363	0.0000	0.0000	0	0.00	
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>
		Total	2,166					0.00	0.00	38 066.00
										515 662 000.00
Future										
Sep 2019	ZANZ	Future	646	9.5616	9.5607	0.0000	0.0000	0	0.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
			646					0.00	0.00	146 792.00	1 127 677 204.60
		Total	646					0.00	0.00	166 792.00	1 127 677 204.60
Future											
	Mar 2019 ZASD	Future	1,200	10.1841	10.1730	0.0000	0.0000	0	0.00		
			1,200					0.00	0.00	10 726.00	109 054 884.50
		Total	1,200					0.00	0.00	10 726.00	109 054 884.50
Future											
	Mar 2019 ZATR	Future	30,000	2.5747	2.5716	0.0000	0.0000	0	0.00		
			30,000					0.00	0.00	426 585.00	1 336 566 339.90
		Total	30,000					0.00	0.00	426 585.00	1 336 566 339.90
Future											
	Mar 2019 ZAUM	Future	422	13.8160	13.8224	0.0000	0.0000	25	34,706,250.00		
	Jun 2019 ZAUM	Future	10	13.9659	13.9703	0.0000	0.0000	0	0.00		
			432					25.00	34,706,250.00	155 530.00	180 463 116 660.00
		Total	432					25.00	34,706,250.00	160 053.00	180 463 116 660.00
Future											
	Mar 2019 ZAUS	Future	620,713	13.8160	13.8224	13.8946	13.7900	152,370	2,105,777,774.10		
	Jun 2019 ZAUS	Future	105,350	13.9659	13.9703	14.0400	14.0400	5,200	72,844,800.00		
	Sep 2019 ZAUS	Future	15,525	14.1298	14.1331	0.0000	0.0000	0	0.00		
	Dec 2019 ZAUS	Future	10,100	14.2864	14.2909	0.0000	0.0000	0	0.00		
	Mar 2020 ZAUS	Future	4,566	14.4582	14.4612	0.0000	0.0000	0	0.00		
			756,254					157,570.00	2,178,622,574.10	195 379 844.00	2 356 774 359 556.10
Option											
	Mar 2019 ZAUS	10.33 Put	1,000	0.0132	0.0199	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	11.74 Put	1,000	0.4869	0.4868	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.47 Put	721	5.0883	4.9645	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.51 Put	720	5.7414	5.6186	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.80 Put	7,520	13.6047	13.5530	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.90 Put	16,000	18.2041	18.2161	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.92 Put	139,342	19.2874	19.3146	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.00 Put	15,434	24.2634	24.3656	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.05 Put	1,155	27.9654	28.1245	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.12 Put	138,000	34.0479	34.2998	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.15 Put	10,125	37.0166	37.3124	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.25 Put	225,407	53.8816	54.3077	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.33 Put	135,043	70.9674	71.5009	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.36 Put	134,750	78.2708	78.8432	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	13.46 Put	20,000	106.3797	107.0702	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Call	245	435.3128	442.4416	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	7,550	119.3128	120.0416	0.0000	0.0000	10,000	0.00
Mar 2019	ZAUS	13.55 Put	10,000	136.8857	137.6516	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Call	500	372.0436	379.2369	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	6,570	156.0436	156.8369	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.62 Put	6,432	164.1557	164.9544	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	190.0344	190.8369	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	199.1742	199.9730	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	208.5722	209.3629	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	243.4708	244.2115	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	2,100	260.0034	260.6626	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	277.4059	277.9527	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	283.3294	283.8362	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	307.6144	307.9587	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	205.2648	211.7949	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	188.2866	194.5937	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	29,200	372.2866	372.1937	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	399.6426	399.3631	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	132.6026	137.9501	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	121.3686	126.4712	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	579.0782	577.6359	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	111.0640	115.9252	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	595.0640	593.5252	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	635.6227	633.8460	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	710.6001	708.4086	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	719.0759	716.8386	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	83.5777	87.6961	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	80.6620	84.6916	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	77.8474	81.7892	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	761.8474	759.3892	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	787.6620	785.0569	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	813.6991	810.9507	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	893.0382	889.8816	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	974.0146	970.4827	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	44.7875	47.4261	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	1037.9722	1034.1739	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	1047.1721	1043.3373	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	1056.3869	1052.5160	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1065.6163	1061.7097	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	31.0733	33.0511	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1252.8996	1248.3633	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	15.10 Put	1,000	1309.9320	1305.2372	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1329.0156	1324.2705	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1338.5702	1333.8005	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	22.8707	24.4054	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1396.0680	1391.1571	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1405.6722	1400.7392	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	20.7510	22.1766	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	19.4380	20.8038	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1520.6753	1515.5082	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	13.9764	15.0700	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	12.5078	13.5213	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	12.2324	13.2302	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	3,050	11.1877	12.1260	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	10.2296	11.1111	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	7.8077	8.5357	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	5.5540	6.1234	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	5.3063	5.8570	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	4.6266	5.1245	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	3.5953	4.0083	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	2.6658	2.9957	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	2.3755	2.6779	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	1.8008	2.0454	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	1.4969	1.7090	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	0.9431	1.0910	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	0.9006	1.0432	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	0.9176	1.0511	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	0.9184	1.0517	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	0.9229	1.0554	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	0.9289	1.0604	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	0.9299	1.0613	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	0.9310	1.0622	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	0.9464	1.0759	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	0.9558	1.0846	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	0.9867	1.1141	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	0.9740	1.0905	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	0.4314	0.4899	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	3.0190	2.9570	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	35.4568	35.5580	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	65.4894	65.9252	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	80.9493	81.4354	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	126.3738	126.9620	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	131.0263	131.6219	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	13.24 Put	30,000	196.3546	197.0127	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	199.4760	200.1354	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	10,000	759.5175	764.6449	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	703.2638	708.3988	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	450.8398	451.5480	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	554.7161	559.8024	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	520.4422	525.4635	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	6,000	512.3654	517.3579	0.0000	0.0000	6,000	0.00
Jun 2019	ZAUS	14.00 Put	143,900	546.4654	547.0579	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	589.1330	589.6230	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	672.1124	672.3985	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	705.2619	705.4642	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	389.3974	393.8312	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	368.6291	372.9443	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	325.3705	329.4074	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	977.0776	976.6258	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	992.2627	991.7761	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	270.3427	273.8876	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	20,000	235.7542	238.9240	0.0000	0.0000	10,000	0.00
Jun 2019	ZAUS	15.10 Call	1,500	218.6846	221.6589	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	185.8403	188.4072	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	161.7635	164.0227	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	145.1937	147.2293	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	128.4987	130.3013	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	120.0511	121.7317	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	117.3737	119.0145	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	110.5556	112.0957	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	103.4137	104.8462	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	34.4747	33.8037	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	7.5606	7.1044	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	100.2979	100.3685	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	249.7567	250.5249	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	282.6725	283.4300	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	927.0034	929.9359	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	471.2957	470.9839	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	612.6182	612.6022	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	629.4506	629.4677	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	753.4586	753.6215	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1604.2349	1603.9350	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1752.7807	1752.3867	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	271.7882	274.4021	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	138.9895	140.6352	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	17.64 Call	5,000	120.6094	122.1169	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	17.85 Call	2,700	112.7514	114.1962	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	17.93 Call	2,571	109.9933	111.4156	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.47 Call	1,200	90.0808	91.3286	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	11.89 Put	1,000	43.5781	42.6112	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	13.66 Put	1,000	507.4620	506.3748	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	14.07 Put	1,351	721.8828	721.0165	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	16.85 Call	1,351	279.4846	282.0528	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	17.38 Call	1,000	231.4990	233.7011	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	79.3195	81.7257	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	11.91 Put	1,000	47.3397	46.7821	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.01 Put	1,000	731.5263	732.1607	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.73 Call	1,000	324.6770	327.1773	0.0000	0.0000	0	0.00	
			<u>4,463,723</u>					<u>26,000.00</u>	<u>0.00</u>	<u>64 692 430.00</u>
	Total		<u>5,219,977</u>					<u>183,570.00</u>	<u>2,178,622,574.10</u>	<u>260 072 274.00</u>
										<u>0.00</u>
										<u>2 356 774 359 556.10</u>

Grand Total	6,803,613							289,945.00	3 936 568 373.10	356,006,938	3,272,248,244,703.73
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