



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 07-February-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Future											
Feb 2019	DAEU	Future	29	15.5011	15.4340	0.0000	0.0000	0	0.00		
Mar 2019	DAEU	Future	53	15.5936	15.5258	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	4	15.6483	15.5801	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	1	15.6838	15.6154	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	94.6262	81.5359	0.0000	0.0000	0	0.00		
			<u>62,400</u>					<u>0.00</u>	<u>0.00</u>	<u>1 617 987.00</u>	<u>0.00</u>
Total			62,487					0.00	0.00	2 434 066.00	12 203 675 785.40
Future											
Feb 2019	DAGB	Future	47	17.7262	17.5697	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	80	17.8139	17.6559	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	43	17.8659	17.7071	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	120	17.8995	17.7404	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	27	17.9087	17.7495	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	13.6151	13.5095	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	6	13.6181	13.5126	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	0	13.6278	13.5221	0.0000	0.0000	8,050	108,552,640.00		
Feb 2019	DAUS	Future	5,759	13.6390	13.5332	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	74	13.6453	13.5394	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	10,080	13.6469	13.5410	0.0000	0.0000	38,500	526,189,950.00		
Mar 2019	DAUS	Future	3,731	13.6822	13.5757	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,708	13.6854	13.5788	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.6918	13.5852	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	260	13.7132	13.6064	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Apr 2019	DAUS	Future	349	13.7316	13.6246	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	15	13.7366	13.6296	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	319	13.7382	13.6312	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	264	13.7909	13.6835	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	13.7977	13.6903	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	359	13.8386	13.7308	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	13.8438	13.7358	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	26	13.8951	13.7868	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	13.8968	13.7885	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	65	13.9471	13.8385	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	13.9523	13.8437	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	13.9557	13.8471	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	53	14.0006	13.8924	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.0040	13.8959	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	108	14.0540	13.9463	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	Future	52	14.1042	13.9970	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.1094	14.0023	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.1128	14.0058	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.1634	14.0562	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.2138	14.1062	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.2715	14.1608	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.3304	14.2157	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.3816	14.2636	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.4458	14.3255	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.5514	14.4280	0.0000	0.0000	0	0.00		
			<u>111,427</u>					<u>46,550.00</u>	<u>634,742,590.00</u>	<u>11 094 827.00</u>	<u>136 502 625 690.90</u>
Option											
Feb 2019	DAUS	13.76 Put	684	211.3884	292.6808	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.81 Call	684	56.4445	36.5778	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.87 Put	22,000	295.5927	385.5980	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.29 Put	25,000	44.6255	66.3534	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.75 Put	25,000	254.5282	322.2886	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	12.4936	21.5394	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.70 Put	600	231.8763	294.8220	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.20 Put	250	611.9681	702.1541	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.25 Call	600	44.9967	30.4912	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.25 Put	250	655.9967	747.2912	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	20.7623	13.3482	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.75 Call	600	10.2032	6.4341	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	15.27 Call	250	2.4728	1.7195	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	15.63 Call	250	1.1745	0.8414	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.40 Call	50,000	354.3660	284.1675	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	DAUS	13.50 Call	50,000	293.0344	230.4833	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.70 Call	100,000	194.4633	0.0000	0.0000	0.0000	100,000	0.00
Mar 2019	DAUS	13.94 Put	27,500	425.9959	499.8649	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	12.6950	8.3804	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	422.8034	489.0314	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	506.5219	577.9325	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	58.7243	77.4192	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	193.4578	234.4647	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	236.7662	195.4760	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	662.2821	740.4431	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	702.0614	781.8263	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	110.6216	87.6477	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	74.2477	57.7004	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	20.7639	14.9084	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	10.0837	7.2190	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	366.2311	425.3404	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	138.8207	112.6679	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	106.5697	124.2829	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	525.4662	454.8729	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	709.8716	775.7949	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	747.1521	814.6805	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	126.4396	101.8208	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	55.8821	42.7693	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	38.8186	29.1254	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	146.4281	164.5630	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	748.1070	808.3800	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	783.8271	845.5521	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	170.5333	142.3191	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	88.1334	70.9615	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	65.7078	52.2292	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	176.8401	196.7228	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	776.0106	833.4494	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	810.7014	869.4520	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	203.5176	173.0823	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	113.7201	94.1176	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	88.2759	72.2675	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	208.3103	229.4704	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	803.1249	858.2276	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	836.8324	893.1629	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	239.5408	206.8112	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	142.9778	120.8216	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	114.5963	95.9573	0.0000	0.0000	0	0.00

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Aug 2019	DAUS	14.48 Put	3,147	1005.9990	1066.9780	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,147	141.8014	120.7949	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	232.2019	254.6562	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	824.4389	878.8662	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	857.4773	913.0596	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	265.9409	233.6921	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	166.9369	144.4552	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	136.3923	118.5948	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	47.5251	37.4711	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	253.3880	276.7609	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	842.6363	896.1094	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	875.0988	929.6423	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	293.3919	262.2354	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	192.0933	169.4371	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	160.3042	142.8733	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	274.0025	297.5651	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	860.1928	912.0337	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	892.1417	944.9850	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	315.3082	284.0927	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	214.1577	190.7285	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	184.7099	165.1818	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	291.9174	315.9125	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	874.7937	925.9139	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	906.2973	958.3786	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	337.0796	306.5865	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	235.1842	213.2034	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	206.4128	187.8338	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	309.5438	333.9760	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	888.2227	938.8009	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	919.2679	970.7757	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	359.2727	328.8984	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	258.9664	238.1604	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	231.1217	212.1404	0.0000	0.0000	0	0.00		
			<u>482,462</u>					<u>100,000.00</u>	<u>0.00</u>	<u>22 713 583.00</u>	<u>0.00</u>
Total			593,889					146,550.00	634,742,590.00	33 808 410.00	136 502 625 690.90
Future											
Mar 2019	EUUS	Future	5	1.1383	1.1423	0.0000	0.0000	0	0.00		
Jun 2019	EUUS	Future	582	1.1469	1.1509	0.0000	0.0000	0	0.00		
			<u>587</u>					<u>0.00</u>	<u>0.00</u>	<u>745 402.00</u>	<u>8 456 173 900.00</u>
Total			587					0.00	0.00	745 402.00	8 456 173 900.00

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Future											
Mar 2019	GBUS	Future	5	1.3009	1.2995	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	9.7230	9.6760	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	15,741	9.8392	9.7918	0.0000	0.0000	0	0.00		
Sep 2019	ZAAD	Future	513	9.9680	9.9205	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.0917	10.0452	0.0000	0.0000	0	0.00		
			22,385					0.00	0.00	3 849 239.00	33 725 482 432.10
Option											
Dec 2019	ZAAD	11.00 Call	1,000	201.5427	185.8853	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	3 883 616.00	33 725 482 432.10
Future											
Mar 2019	ZACA	Future	500	10.3150	10.3000	0.0000	0.0000	0	0.00		
Jun 2019	ZACA	Future	650	10.4468	10.4310	0.0000	0.0000	0	0.00		
Sep 2019	ZACA	Future	400	10.5889	10.5725	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	139,470	15.5581	15.4907	15.5671	15.5027	450	7,001,917.00		
Jun 2019	ZAEU	Future	29,425	15.8445	15.7752	15.8585	15.8585	41	650,198.50		
Sep 2019	ZAEU	Future	21,578	16.1587	16.0888	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	Future	17,899	16.4563	16.3898	0.0000	0.0000	0	0.00		
			208,372					491.00	7,652,115.50	16 205 570.00	234 157 440 339.20
Option											
Mar 2019	ZAEU	16.00 Call	650	138.3323	118.0678	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	55,000	215.4047	196.3324	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	13.73 Put	17,150	61.7319	63.8801	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	16.15 Put	17,150	734.8057	760.2494	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	20.62 Call	17,150	224.9325	212.4652	0.0000	0.0000	0	0.00		
			107,100					0.00	0.00	10 956 876.00	0.00
		Total	315,472					491.00	7,652,115.50	27 162 446.00	234 157 440 339.20
Future											
Mar 2019	ZAFR	Future	1,143	13.7076	13.6034	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	13.9728	13.8666	0.0000	0.0000	0	0.00		

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			1,293					0.00	0.00	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	398,081	17.7804	17.6230	17.7570	17.6500	68	1,201,928.80		
	Jun 2019	ZAGB	Future	5,824	18.0519	17.8907	0.0000	0.0000	0	0.00		
	Sep 2019	ZAGB	Future	16,469	18.3473	18.1829	18.2049	18.1992	860	15,651,828.00		
	Dec 2019	ZAGB	Future	12,690	18.6239	18.4594	0.0000	0.0000	0	0.00		
				433,064					928.00	16,853,756.80	13 853 104.00	236 915 732 135.60
Option												
	Mar 2019	ZAGB	18.00 Put	500	473.6948	570.8298	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	19.00 Call	2,500	51.0688	33.9817	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	19.19 Put	1,000	1445.5754	1590.3331	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	20.00 Call	500	9.8598	6.6586	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	20.18 Call	1,500	7.8666	5.3063	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	21.44 Call	500	2.2580	1.8752	0.0000	0.0000	0	0.00		
	Jun 2019	ZAGB	18.00 Call	1,000	679.8885	584.9127	0.0000	0.0000	0	0.00		
				7,500					0.00	0.00	1 784 813.00	0.00
		Total		440,564					928.00	16,853,756.80	15 637 917.00	236 915 732 135.60
Future												
	Mar 2019	ZAJY	Future	10,000	0.1249	0.1240	0.0000	0.0000	0	0.00		
				10,000					0.00	0.00	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	0.1355	0.1342	0.0000	0.0000	0	0.00		
				2,166					0.00	0.00	38 066.00	515 662 000.00
		Total		2,166					0.00	0.00	38 066.00	515 662 000.00
Future												
	Sep 2019	ZANZ	Future	646	9.4899	9.5385	0.0000	0.0000	0	0.00		
				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	10.0905	10.0249	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

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Mar 2019	ZATR	Future	30,000	2.5461	2.5380	0.0000	0.0000	0	0.00
			<u>30,000</u>					0.00	0.00
		Total	30,000					0.00	0.00
									426 585.00
									1 336 566 339.90
									426 585.00
									1 336 566 339.90
Future									
Mar 2019	ZAUM	Future	422	13.6677	13.5615	0.0000	0.0000	0	0.00
Jun 2019	ZAUM	Future	10	13.8148	13.7072	0.0000	0.0000	0	0.00
			<u>432</u>					0.00	0.00
		Total	432					0.00	0.00
									155 505.00
									180 428 410 410.00
									160 028.00
									180 428 410 410.00
Future									
Mar 2019	ZAUS	Future	526,338	13.6677	13.5615	13.6950	13.6155	129,915	1,772,374,368.00
Jun 2019	ZAUS	Future	104,115	13.8148	13.7072	13.8183	13.8091	60	828,638.00
Sep 2019	ZAUS	Future	15,520	13.9765	13.8680	13.9667	13.9667	1,229	17,183,794.30
Dec 2019	ZAUS	Future	10,100	14.1285	14.0215	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	Future	4,566	14.2981	14.1856	0.0000	0.0000	0	0.00
			<u>660,639</u>					131,204.00	1,790,386,800.30
									195 066 929.00
									2 352 463 647 302.70
Option									
Mar 2019	ZAUS	10.33 Put	1,000	0.0286	0.0275	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	0.8632	1.0690	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	8.4049	10.9208	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	9.5315	12.3551	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.80 Put	7,520	23.0348	29.3946	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	30.8185	39.1472	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	32.6368	42.2670	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	15,434	40.9237	56.6183	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	49.2539	67.2170	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	62.9420	84.3314	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	69.5732	92.5168	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	225,407	95.2221	123.6751	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	119.8910	153.0475	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	130.1335	165.1036	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	168.2763	209.4246	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Call	245	352.9760	290.4275	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	12,050	185.2760	228.9275	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	207.9266	254.7140	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Call	500	299.8289	244.9812	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	6,570	232.1289	283.4812	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.62 Put	6,432	242.2384	295.4062	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	274.9244	332.5712	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	286.5956	345.4076	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	298.5001	358.4605	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	13.79 Put	262,812	341.9443	405.7804	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	2,100	361.3779	426.8059	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	381.2791	448.2558	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	388.0141	455.4968	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	415.4456	484.9052	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	168.4987	134.1201	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	154.9683	122.8283	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	29,200	487.2683	561.3283	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	517.2011	592.9630	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	110.6484	86.2619	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	101.6956	78.9640	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	708.9781	793.2431	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	93.4732	72.0511	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	725.7732	810.5511	0.0000	0.0000	6,000	0.00
Mar 2019	ZAUS	14.35 Put	139,342	768.2263	854.2339	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	845.7129	934.2204	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	854.4394	943.2064	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	70.8881	53.7110	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	68.4505	51.7755	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	66.0982	49.9094	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	898.3982	988.4094	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	925.0201	1015.7380	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	951.8175	1043.2108	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	1033.1721	1126.4270	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	1115.8092	1210.6964	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	39.2219	28.8805	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	1180.8510	1276.8632	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	1190.1920	1286.3556	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	1199.5448	1295.8575	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1208.9090	1305.3693	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	27.8530	19.4645	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1398.3296	1496.3537	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1455.3402	1554.1744	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1474.3854	1573.5064	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1483.9217	1583.1828	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	19.8580	13.4542	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1541.3278	1641.3776	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1550.9248	1651.0984	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	17.8433	12.0573	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	16.7287	11.2876	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1666.6791	1768.1724	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	12.0780	8.1008	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	15.45 Call	20,000	10.8231	7.2483	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	10.5874	7.0886	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	3,050	9.6936	6.4837	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	8.8721	5.9296	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	6.7907	4.5319	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	4.8455	3.2347	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	4.6310	3.0924	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	4.0420	2.7015	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	3.1462	2.1083	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	2.3362	1.5729	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	2.0827	1.4054	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	1.5797	1.1948	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	1.3133	1.1896	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	1.2289	1.1857	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	1.2271	1.1860	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	1.2145	1.2076	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	1.2146	1.2086	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	1.2158	1.2141	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	1.2180	1.2213	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	1.2184	1.2225	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	1.2189	1.2238	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	1.2269	1.2423	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	1.2327	1.2535	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	1.2544	1.2904	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	0.7900	0.6646	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	0.3504	0.2943	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	3.3594	3.3019	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	42.5991	44.8039	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	84.4836	95.8400	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	103.1277	116.4650	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	156.8443	175.4365	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	162.2729	181.3697	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	240.5407	268.3550	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	244.3209	272.4321	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	10,000	665.1102	593.2354	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	613.6018	544.8198	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	523.4439	571.1728	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	553.4820	602.7911	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	480.5099	422.8455	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	450.6129	395.4171	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	1,000	443.4312	388.8396	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	143,900	628.6312	681.6396	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	14.07 Put	39,589	674.3693	729.4710	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	762.7958	821.6419	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	797.9470	858.1810	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	334.8361	290.1524	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	316.6383	273.7347	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	278.8317	239.6634	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	1083.2232	1152.7709	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	1099.0275	1169.0133	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	230.9210	196.8447	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	20,000	200.9523	170.2644	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	186.2104	157.2546	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	156.7874	130.6493	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	135.8280	112.4760	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	123.5582	101.8986	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	121.6360	100.2457	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	107.3819	88.0309	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	100.1877	81.8938	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	97.9114	79.9541	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	92.1180	75.0322	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	86.0589	69.8996	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	27.5903	19.1327	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	7.7657	7.7628	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	120.8120	132.2167	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	293.7220	319.5296	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	330.1819	360.8894	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	839.5788	772.2837	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	539.1486	581.4699	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	690.8220	739.6649	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	708.7617	758.4045	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	840.7900	895.1240	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1722.6879	1796.6467	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1871.9504	1948.3293	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	242.9690	214.6127	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	127.7177	111.2266	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	111.2435	96.2185	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	104.1913	89.8079	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	101.7156	87.5600	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	77.2762	63.1329	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	56.8171	65.8150	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	573.6601	614.3437	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	801.5651	850.2642	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	255.3224	231.0239	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	17.38 Call	1,000	215.4496	195.4358	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	69.0422	58.2938	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	11.91 Put	1,000	61.0892	74.0047	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.01 Put	1,000	808.1692	856.6489	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.73 Call	1,000	306.2968	283.6400	0.0000	0.0000	0	0.00	
			<u>4,473,293</u>					<u>6,000.00</u>	<u>0.00</u>	<u>64 651 325.00</u>
	Total		5,133,932					137,204.00	1,790,386,800.30	259 718 254.00
										2 352 463 647 302.70

Grand Total			6,617,925					285,173.00	2 449 635 262.60	355,268,481	3,265,463,809,628.73
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