



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 11-January-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Future											
Jan 2019	DAEU	Future	4,830	15.9382	16.0545	0.0000	0.0000	0	0.00		
Feb 2019	DAEU	Future	29	16.0641	16.1789	0.0000	0.0000	0	0.00		
Mar 2019	DAEU	Future	53	16.1142	16.2293	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	4	16.2191	16.3351	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	1	16.2565	16.3732	0.0000	0.0000	0	0.00		
			<u>4,917</u>					<u>0.00</u>	<u>0.00</u>	<u>811 220.00</u>	<u>12 127 159 019.50</u>
Option											
Aug 2019	DAEU	17.01 Put	16,200	1075.4061	1018.8525	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	205.0625	233.4604	0.0000	0.0000	0	0.00		
			<u>78,600</u>					<u>0.00</u>	<u>0.00</u>	<u>1 510 587.00</u>	<u>0.00</u>
Total			83,517					0.00	0.00	2 321 807.00	12 127 159 019.50
Future											
Jan 2019	DAGB	Future	4,112	17.7679	17.7675	0.0000	0.0000	0	0.00		
Jan 2019	DAGB	Future	27	17.7979	17.7964	0.0000	0.0000	0	0.00		
Feb 2019	DAGB	Future	47	17.8850	17.8820	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	80	17.9739	17.9712	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	43	18.0267	18.0239	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	120	18.0609	18.0586	0.0000	0.0000	0	0.00		
			<u>4,429</u>					<u>0.00</u>	<u>0.00</u>	<u>62 521.00</u>	<u>1 044 018 088.80</u>
Total			4,429					0.00	0.00	269 834.00	1 044 018 088.80
Future											
Jan 2019	DAUS	Future	392	13.8851	13.9116	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	20	13.8851	13.9133	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,901	13.8921	13.9220	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	51	13.8984	13.9286	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,018	13.9071	13.9369	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,922	13.9088	13.9385	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.9314	13.9599	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>
Feb 2019	DAUS	Future	6	13.9348	13.9633	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	15	13.9516	13.9804	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	6,062	13.9567	13.9856	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	74	13.9634	13.9924	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	80	13.9651	13.9941	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,731	14.0023	14.0317	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,791	14.0057	14.0351	0.0000	0.0000	320	4,462,400.00
Apr 2019	DAUS	Future	55	14.0125	14.0420	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	260	14.0347	14.0641	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	71	14.0539	14.0838	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,180	14.0608	14.0910	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	475	14.1149	14.1465	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	74	14.1219	14.1537	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	105	14.1638	14.1966	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.1690	14.2020	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.2237	14.2584	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.2807	14.3173	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	14.2842	14.3210	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.3341	14.3726	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.3864	14.4260	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.4447	14.4849	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.4483	14.4886	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.5012	14.5420	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.5567	14.5975	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.6184	14.6583	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.6801	14.7192	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.7339	14.7722	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.8016	14.8389	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.9131	14.9488	0.0000	0.0000	0	0.00
			<u>108,408</u>					<u>320.00</u>	<u>4,462,400.00</u>
									<u>11 027 377.00</u>
									<u>135 583 020 272.00</u>
Option									
Jan 2019	DAUS	13.86 Put	174	65.9751	85.7849	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.00 Call	174	38.2518	75.1090	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.29 Put	218	411.7010	398.7876	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.36 Call	218	4.5942	14.7691	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	0.1465	0.2104	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.80 Put	25,000	85.7462	92.1458	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	8.2004	10.7611	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.80 Put	600	157.2890	161.1925	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.95 Put	731	234.2061	234.4677	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.00 Call	731	173.0507	201.8964	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Call	600	109.7266	133.5112	0.0000	0.0000	0	0.00

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Jan 2019	DAUS	14.20 Put	250	400.9266	395.0112	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	438.7184	431.4693	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	71.3340	90.3634	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.55 Call	600	46.9253	61.8155	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	9.5344	14.0392	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	4.0372	5.9527	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	37.9616	39.9056	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.70 Put	600	215.2764	217.6462	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	488.9990	485.3185	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Call	600	229.7734	254.2443	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	523.0734	518.6443	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	159.1298	179.4638	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.75 Call	600	115.5403	132.6144	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	55.3071	65.6659	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	30.6968	38.2611	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	357.4447	357.8806	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	90.5325	103.9644	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	366.6137	367.3691	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	429.8637	430.0099	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	79.8156	82.2838	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	556.3213	553.5878	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	588.6912	585.4301	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	225.1800	246.6336	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	103.8457	116.9652	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	71.2273	81.2377	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	329.6760	330.5134	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	336.7592	361.9807	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	122.1635	123.7460	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	833.2330	863.7106	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	614.7888	611.8001	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	646.0387	642.6353	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	282.9858	304.4404	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	152.3129	166.8210	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	114.4545	126.2747	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	159.7315	160.8749	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	663.1429	659.6799	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	693.6046	689.7832	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	330.5500	352.1587	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	194.0743	209.9121	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	151.3607	164.6546	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	1029.1538	1021.9575	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	99.9746	108.7193	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	13.00 Put	500	190.9122	191.7449	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	700.1858	696.4638	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	730.0764	726.0499	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	366.1966	388.1653	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	226.5803	243.2839	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	181.7613	196.1658	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	336.9971	337.1140	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	176.8953	191.0095	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	221.8564	222.6428	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	737.0901	733.5588	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	766.5250	762.6751	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	407.9565	431.3392	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	265.0520	283.8507	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	218.6829	235.0492	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	920.1063	915.0014	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	260.6636	278.8769	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	246.9254	247.6449	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	765.8282	762.7535	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	795.0193	791.6871	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	437.8266	462.4339	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	295.3661	314.8820	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	247.4464	264.9128	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	105.9183	115.7433	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	270.1673	271.0199	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	791.1500	788.4242	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	820.1487	817.1775	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	470.5468	496.5544	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	326.7655	347.7992	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	276.1667	295.1046	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	293.1561	294.1763	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	815.4275	813.1561	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	844.2498	841.7359	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	496.5104	523.4534	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	353.5769	375.7104	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	303.4908	323.6102	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	312.7858	314.1251	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	835.2532	833.7363	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	863.9046	862.1540	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	521.8206	549.6604	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	379.8087	402.9932	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	329.9763	351.2198	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	329.6285	328.8042	0.0000	0.0000	0	0.00

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Dec 2019	DAUS	14.20 Put	250	854.2126	853.0175	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	882.6463	881.2065	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	546.8151	575.6474	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.05 Call	250	407.9001	431.7973	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.44 Call	250	359.2022	380.2778	0.0000	0.0000	0	0.00
			357,103					0.00	0.00
		Total	465,511					320.00	4,462,400.00
									33 200 292.00
									135 583 020 272.00
Future									
Mar 2019	EUUS	Future	5	1.1528	1.1586	0.0000	0.0000	0	0.00
Jun 2019	EUUS	Future	582	1.1615	1.1674	0.0000	0.0000	0	0.00
			587					0.00	0.00
		Total	587					0.00	0.00
									745 402.00
									8 456 173 900.00
Future									
Mar 2019	GBUS	Future	400	1.2826	1.2797	0.0000	0.0000	0	0.00
			400					0.00	0.00
		Total	400					0.00	0.00
									171 222.00
									2 203 047 628.00
Future									
Mar 2019	ZAAD	Future	7,365	10.0643	10.0773	0.0000	0.0000	0	0.00
Jun 2019	ZAAD	Future	15,741	10.1867	10.2014	0.0000	0.0000	0	0.00
Sep 2019	ZAAD	Future	650	10.3217	10.3394	0.0000	0.0000	0	0.00
Dec 2019	ZAAD	Future	400	10.4507	10.4704	0.0000	0.0000	0	0.00
			24,156					0.00	0.00
		Total	24,156					0.00	0.00
									3 845 849.00
									33 691 964 036.90
Option									
Dec 2019	ZAAD	11.00 Call	1,000	359.9091	376.7987	0.0000	0.0000	0	0.00
			1,000					0.00	0.00
		Total	25,156					0.00	0.00
									34 377.00
									0.00
Future									
Mar 2019	ZACA	Future	500	10.5547	10.6010	0.0000	0.0000	0	0.00
Jun 2019	ZACA	Future	650	10.6895	10.7388	0.0000	0.0000	0	0.00
Sep 2019	ZACA	Future	250	10.8356	10.8878	0.0000	0.0000	0	0.00
			1,400					0.00	0.00
		Total	1,400					0.00	0.00
									148 763.00
									1 474 780 520.10
Future									
Mar 2019	ZAEU	Future	135,811	16.1236	16.2393	16.1580	16.1188	713	11,500,377.60
Jun 2019	ZAEU	Future	24,300	16.4231	16.5435	16.4700	16.4219	50	822,297.50
Sep 2019	ZAEU	Future	9,579	16.7515	16.8800	0.0000	0.0000	596	10,001,774.00

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	Dec 2019	ZAEU	Future	277	17.0641	17.1991	0.0000	0.0000	0	0.00		
				<u>169,967</u>					<u>1,359.00</u>	<u>22,324,449.10</u>	<u>16 051 649.00</u>	<u>231 698 786 229.80</u>
Option												
	Mar 2019	ZAEU	16.00 Call	650	484.1635	564.6074	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	18.60 Call	55,000	412.8743	459.4143	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	13.73 Put	17,150	70.7473	66.2229	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	16.15 Put	17,150	612.8566	581.2021	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	20.62 Call	17,150	349.1950	376.8679	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>	<u>0.00</u>
			Total	277,067					1,359.00	22,324,449.10	27 008 525.00	231 698 786 229.80
Future												
	Mar 2019	ZAFR	Future	1,143	14.2832	14.3900	0.0000	0.0000	0	0.00		
	Jun 2019	ZAFR	Future	150	14.5621	14.6735	0.0000	0.0000	0	0.00		
				<u>1,293</u>					<u>0.00</u>	<u>0.00</u>	<u>626 380.00</u>	<u>6 751 701 429.60</u>
			Total	1,293					0.00	0.00	626 380.00	6 751 701 429.60
Future												
	Mar 2019	ZAGB	Future	395,576	17.9399	17.9373	17.9894	17.7600	70	1,245,684.10		
	Jun 2019	ZAGB	Future	5,764	18.2133	18.2129	0.0000	0.0000	0	0.00		
	Sep 2019	ZAGB	Future	16,660	18.5074	18.5134	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	Future	247	18.7855	18.7956	0.0000	0.0000	0	0.00		
				<u>418,247</u>					<u>70.00</u>	<u>1,245,684.10</u>	<u>13 790 846.00</u>	<u>235 773 364 293.20</u>
Option												
	Mar 2019	ZAGB	18.00 Put	500	517.3335	535.3242	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	19.00 Call	2,500	168.3499	180.8923	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	19.19 Put	1,000	1387.9749	1401.8884	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	20.00 Call	500	57.8827	64.4410	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	20.18 Call	1,500	47.6015	53.3046	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	21.44 Call	500	12.4136	14.3704	0.0000	0.0000	0	0.00		
				<u>6,500</u>					<u>0.00</u>	<u>0.00</u>	<u>1 783 113.00</u>	<u>0.00</u>
			Total	424,747					70.00	1,245,684.10	15 573 959.00	235 773 364 293.20
Future												
	Jun 2019	ZAKS	Future	2,166	0.1361	0.1359	0.0000	0.0000	0	0.00		
				<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>	<u>515 662 000.00</u>
			Total	2,166					0.00	0.00	38 066.00	515 662 000.00
Future												
	Sep 2019	ZANZ	Future	213	9.7850	9.7749	0.0000	0.0000	0	0.00		
				<u>213</u>					<u>0.00</u>	<u>0.00</u>	<u>146 359.00</u>	<u>1 123 547 250.60</u>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
Total			213					0.00	0.00	166 359.00	1 123 547 250.60	
Future												
	Mar 2019	ZATR	Future	20,000	2.4623	2.4833	0.0000	0.0000	0	0.00		
				<u>20,000</u>					<u>0.00</u>	<u>0.00</u>	415 239.00	1 308 391 569.00
			Total	20,000					0.00	0.00	415 239.00	1 308 391 569.00
Future												
	Mar 2019	ZAUM	Future	422	13.9870	14.0164	0.0000	0.0000	0	0.00		
				<u>422</u>					<u>0.00</u>	<u>0.00</u>	155 373.00	180 244 770 260.00
			Total	422					0.00	0.00	159 896.00	180 244 770 260.00
Future												
	Mar 2019	ZAUS	Future	528,463	13.9870	14.0164	14.0000	13.8985	27,005	377,087,388.20		
	Jun 2019	ZAUS	Future	112,232	14.1393	14.1716	14.1100	14.0774	308	4,338,997.00		
	Sep 2019	ZAUS	Future	14,285	14.3056	14.3431	14.2484	14.2484	1	14,248.40		
	Dec 2019	ZAUS	Future	9,900	14.4647	14.5052	0.0000	0.0000	0	0.00		
	Mar 2020	ZAUS	Future	4,566	14.6463	14.6858	0.0000	0.0000	0	0.00		
				<u>669,446</u>					<u>27,314.00</u>	<u>381,440,633.60</u>	193 717 137.00	2 333 976 072 820.20
Option												
	Mar 2019	ZAUS	10.33 Put	1,000	0.2384	0.2541	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	11.74 Put	1,000	5.2589	5.9907	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	12.47 Put	721	16.9133	19.7046	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	12.51 Put	720	18.0704	21.0558	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	12.80 Put	8,132	37.3985	40.0246	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	12.90 Put	16,000	48.7448	51.6507	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	12.92 Put	139,342	51.3058	54.2616	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.00 Put	15,434	62.6009	65.7351	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.05 Put	1,155	70.5656	73.7899	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.12 Put	138,000	82.9701	86.2846	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.15 Put	10,125	88.7570	92.0964	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.25 Put	225,407	110.2000	113.5529	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.33 Put	135,043	130.3092	133.1494	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.36 Put	134,750	138.7501	141.2519	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.46 Put	20,000	169.5060	171.9930	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.50 Put	17,050	182.9582	185.4109	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.55 Put	10,000	200.7121	203.0997	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.60 Put	6,570	219.5201	221.8101	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.62 Put	6,432	227.3376	229.5834	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.68 Put	14,200	251.8118	253.8878	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.70 Put	2,500	260.3077	262.3203	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.72 Put	10,000	268.9753	270.9175	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	13.75 Put	17,981	282.2931	284.1182	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	300.6401	302.2972	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	1,800	314.8423	316.3564	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	329.4207	330.7830	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	334.3626	335.6742	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	354.5463	355.6335	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	417.7008	447.8781	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	394.8628	424.7071	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	35,606	407.8628	408.3071	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	431.1756	430.4631	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	317.5212	344.1798	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	300.4620	326.5130	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	583.6353	579.9152	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	284.2522	309.6820	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	597.2522	593.2820	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	631.8602	627.2625	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	696.1150	690.3701	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	703.4021	697.5319	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	237.7202	261.1203	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	232.4425	255.5850	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	227.2753	250.1624	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	740.2753	733.7624	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	762.7351	755.8345	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	785.4355	778.1519	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	854.9305	846.4972	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	926.2686	916.8145	0.0000	0.0000	1	0.00
Mar 2019	ZAUS	14.80 Call	2,000	161.7463	180.9070	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	982.9019	972.5251	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	991.0764	980.5645	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	999.2734	988.6251	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1007.4891	996.7065	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	128.5695	145.1034	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1175.8048	1162.4403	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1227.6461	1213.5517	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1245.0513	1230.7181	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1253.7773	1239.3265	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	105.8251	120.3069	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1306.4349	1291.2887	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1315.2600	1300.0006	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	99.9528	113.8676	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	96.5931	110.1752	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1422.1994	1405.6302	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	15.40 Call	2,000	81.4677	93.4775	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	76.7106	88.5102	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	75.7934	87.4910	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	72.2316	83.5282	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	0	70.5137	81.6137	0.0000	0.0000	1	0.00
Mar 2019	ZAUS	15.54 Call	721	68.8380	79.7443	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	59.5918	69.3901	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	49.7846	58.3297	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	48.6083	56.9963	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	45.2468	53.1815	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	39.6917	46.8499	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	34.0271	40.3563	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	32.0790	38.1130	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	27.8656	33.2435	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	25.3829	30.3611	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	20.1465	24.2462	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	19.6897	23.7104	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	12.7719	15.7220	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	12.6091	15.5313	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	11.8252	14.6128	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	10.9491	13.5834	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	10.8098	13.4191	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	10.6719	13.2568	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	9.0362	11.3206	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	8.2635	10.4005	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	6.4068	8.1712	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	3.4184	4.5085	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	1.9087	2.6512	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	5.5641	5.2277	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	60.4522	59.6858	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	121.1449	122.9296	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	170.9712	171.9050	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	175.8902	176.8200	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	242.6585	243.4281	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	1,282	245.7594	246.5188	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	481.0578	479.2712	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	506.1128	504.1495	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	717.5331	747.4955	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	143,900	568.9705	566.5579	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	607.3815	604.6821	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	682.3735	678.7403	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	712.5491	708.5865	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	14.42 Call	30	538.8440	566.0228	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	485.4137	511.4570	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	960.5125	953.8953	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	974.4126	967.6507	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	414.9732	439.2764	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	346.7526	368.5471	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	301.6625	321.6211	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	269.5321	288.0580	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	249.4761	267.6317	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	246.2043	264.2096	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	221.5955	238.4152	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	208.9033	225.0833	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	204.8469	220.8185	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	194.4348	209.8552	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	183.3924	198.2131	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	67.8597	74.2536	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	9.6765	9.4263	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	132.2256	128.9647	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	338.4132	339.1839	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	621.1828	619.1407	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	652.5271	650.2363	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	717.5076	714.7005	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	785.4662	782.1190	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	856.2128	852.3761	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1579.6644	1569.1470	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1719.8001	1708.0797	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	403.6647	427.9525	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	219.7557	234.7657	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	191.8780	205.3711	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	179.7219	192.5217	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	175.4190	187.9692	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.29 Call	81,930	158.0447	169.5558	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	150.4400	161.4811	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.63 Call	33,715	142.9845	154.8608	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	97.5164	107.3525	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	59.9564	64.3511	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	567.8468	569.3323	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	772.0420	770.9708	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	406.4539	430.3699	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	338.6949	359.1713	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	139.1217	151.7065	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	11.91 Put	1,000	95.0535	100.2007	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 2020	ZAUS	14.01 Put	1,000	798.1462	800.1005	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.73 Call	1,000	455.0265	477.9675	0.0000	0.0000	0	0.00	
			<u>4,964,347</u>					<u>2.00</u>	<u>0.00</u>	<u>63 948 486.00</u>
		Total	5,633,793					27,316.00	381,440,633.60	257 665 623.00
										2 333 976 072 820.20

Grand Total	6,940,701							29,065.00	409 473 166.80	352,190,907	3,241,203,150,788.03
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