



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 10-January-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Future											
Jan 2019	DAEU	Future	4,830	16.0545	16.0256	0.0000	0.0000	0	0.00		
Feb 2019	DAEU	Future	29	16.1789	16.1506	0.0000	0.0000	0	0.00		
Mar 2019	DAEU	Future	53	16.2293	16.2010	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	4	16.3351	16.3077	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	1	16.3732	16.4265	0.0000	0.0000	1	16,426.50		
			<u>4,917</u>					<u>1.00</u>	<u>16,426.50</u>	<u>811 220.00</u>	<u>12 127 159 019.50</u>
Option											
Aug 2019	DAEU	17.01 Put	16,200	1018.8525	1035.2171	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	233.4604	230.1081	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					1.00	16,426.50	2 321 807.00	12 127 159 019.50
Future											
Jan 2019	DAGB	Future	4,112	17.7675	17.7720	0.0000	0.0000	0	0.00		
Jan 2019	DAGB	Future	27	17.7964	17.7997	0.0000	0.0000	0	0.00		
Feb 2019	DAGB	Future	47	17.8820	17.8868	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	80	17.9712	17.9769	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	43	18.0239	18.0304	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	120	18.0586	18.1190	0.0000	0.0000	120	2,174,280.00		
			<u>4,429</u>					<u>120.00</u>	<u>2,174,280.00</u>	<u>62 521.00</u>	<u>1 044 018 088.80</u>
Total			4,429					120.00	2,174,280.00	269 834.00	1 044 018 088.80
Future											
Jan 2019	DAUS	Future	0	13.9105	13.8816	0.0000	0.0000	250	3,472,362.50		
Jan 2019	DAUS	Future	392	13.9116	13.8856	0.0000	0.0000	218	3,025,840.00		
Jan 2019	DAUS	Future	20	13.9133	13.8878	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,901	13.9220	13.8973	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	51	13.9286	13.9038	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,018	13.9369	13.9120	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,922	13.9385	13.9136	0.0000	0.0000	80	1,111,248.00		

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Feb 2019	DAUS	Future	70	13.9599	13.9351	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	6	13.9633	13.9384	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	15	13.9804	13.9554	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	6,062	13.9856	13.9604	0.0000	0.0000	40	557,516.00		
Mar 2019	DAUS	Future	74	13.9924	13.9672	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	80	13.9941	13.9689	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	14.0317	14.0069	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	5,111	14.0351	14.0104	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.0420	14.0174	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	260	14.0641	14.0401	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	71	14.0838	14.0597	0.0000	0.0000	71	1,003,052.50		
Apr 2019	DAUS	Future	1,180	14.0910	14.0668	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	475	14.1465	14.1219	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.1537	14.1290	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	105	14.1966	14.1716	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.2020	14.1769	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.2584	14.2333	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.3173	14.2920	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.3210	14.2957	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.3726	14.3471	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.4260	14.3997	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.4849	14.4574	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.4886	14.4610	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.5420	14.5133	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.5975	14.5687	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.6583	14.6299	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.7192	14.6911	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.7722	14.7445	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.8389	14.8116	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.9488	14.9222	0.0000	0.0000	0	0.00		
			<u>108,728</u>					<u>659.00</u>	<u>9,170,019.00</u>	<u>11 027 057.00</u>	<u>135 578 557 872.00</u>
Option											
Jan 2019	DAUS	13.86 Put	174	85.7849	108.7932	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.00 Call	174	75.1090	75.7269	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.29 Put	218	398.7876	425.8237	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.36 Call	218	14.7691	15.5625	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	12.66 Put	263	0.2104	0.4413	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.80 Put	25,000	92.1458	111.3828	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.00 Put	500	10.7611	13.7933	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.80 Put	600	161.1925	180.8728	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.95 Put	731	234.4677	257.6386	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.00 Call	731	201.8964	200.9394	0.0000	0.0000	0	0.00		

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Jan 2019	DAUS	14.20 Call	600	133.5112	134.7350	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	395.0112	421.1350	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	431.4693	457.9350	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	90.3634	92.5128	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.55 Call	600	61.8155	64.2262	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	14.0392	16.3695	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	5.9527	7.4179	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	39.9056	47.4343	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.70 Put	600	217.6462	235.6420	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	485.3185	508.7797	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Call	600	254.2443	252.8297	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	518.6443	542.4297	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	179.4638	179.3006	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.75 Call	600	132.6144	132.9877	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	65.6659	67.0379	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	38.2611	40.5261	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	357.8806	378.4077	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	103.9644	105.1061	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	367.3691	385.2587	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	430.0099	448.4503	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	82.2838	91.5641	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	553.5878	573.7703	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	585.4301	605.8541	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	246.6336	243.8042	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	116.9652	116.6806	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	81.2377	81.6126	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	330.5134	346.9210	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	361.9807	357.3639	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	123.7460	132.3541	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	863.7106	853.0032	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	611.8001	629.2966	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	642.6353	660.3647	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	304.4404	300.2452	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	166.8210	165.2575	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	126.2747	125.4359	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	160.8749	168.6449	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	659.6799	675.5771	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	689.7832	705.9324	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	352.1587	347.2520	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	209.9121	207.5109	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	164.6546	163.1810	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	1021.9575	1039.3231	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	17.22 Call	20,000	108.7193	109.3409	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	191.7449	198.8711	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	696.4638	711.2077	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	726.0499	741.0359	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	388.1653	382.4670	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	243.2839	240.1236	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	196.1658	194.0772	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	337.1140	347.0079	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	191.0095	189.1212	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	222.6428	229.8060	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	733.5588	747.5452	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	762.6751	776.9360	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	431.3392	425.4203	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	283.8507	280.6834	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	235.0492	232.8890	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	915.0014	930.5317	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	278.8769	275.8231	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	247.6449	255.1875	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	762.7535	776.6385	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	791.6871	805.8328	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	462.4339	456.5187	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	314.8820	311.6335	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	264.9128	262.6359	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	115.7433	116.3893	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	271.0199	278.3084	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	788.4242	801.3051	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	817.1775	830.3003	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	496.5544	489.7264	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	347.7992	343.6536	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	295.1046	291.9700	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	294.1763	302.0475	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	813.1561	826.3426	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	841.7359	855.1751	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	523.4534	516.5742	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	375.7104	371.5173	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	323.6102	320.3926	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	314.1251	322.5838	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	833.7363	847.3013	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	862.1540	875.9719	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	549.6604	542.6269	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	402.9932	398.5965	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	351.2198	347.7826	0.0000	0.0000	0	0.00

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Dec 2019	DAUS	13.00 Put	500	328.8042	340.3294	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	14.20 Put	250	853.0175	867.4294	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	14.25 Put	250	881.2065	895.9130	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	16.21 Call	500	575.6474	568.2700	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	17.05 Call	250	431.7973	427.4715	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	17.44 Call	250	380.2778	377.8857	0.0000	0.0000	0	0.00	
			357,103					0.00	0.00	22 172 915.00
		Total	465,831					659.00	9,170,019.00	33 199 972.00
										135 578 557 872.00
Future										
Mar 2019	EUUS	Future	5	1.1586	1.1587	0.0000	0.0000	0	0.00	
Jun 2019	EUUS	Future	582	1.1674	1.1674	0.0000	0.0000	0	0.00	
			587					0.00	0.00	745 402.00
		Total	587					0.00	0.00	8 456 173 900.00
Future										
Mar 2019	GBUS	Future	400	1.2797	1.2824	1.2799	1.2799	5	63,995.00	
			400					5.00	63,995.00	171 222.00
		Total	400					5.00	63,995.00	2 203 047 628.00
Future										
Mar 2019	ZAAD	Future	7,365	10.0773	10.0597	0.0000	0.0000	0	0.00	
Jun 2019	ZAAD	Future	15,741	10.2014	10.1851	0.0000	0.0000	0	0.00	
Sep 2019	ZAAD	Future	650	10.3394	10.3239	0.0000	0.0000	0	0.00	
Dec 2019	ZAAD	Future	400	10.4704	10.4534	0.0000	0.0000	0	0.00	
			24,156					0.00	0.00	3 845 849.00
		Total								33 691 964 036.90
Option										
Dec 2019	ZAAD	11.00 Call	1,000	376.7987	372.3847	0.0000	0.0000	0	0.00	
			1,000					0.00	0.00	34 377.00
		Total	25,156					0.00	0.00	3 880 226.00
Future										
Mar 2019	ZACA	Future	500	10.6010	10.5980	0.0000	0.0000	0	0.00	
Jun 2019	ZACA	Future	650	10.7388	10.7353	0.0000	0.0000	0	0.00	
Sep 2019	ZACA	Future	250	10.8878	10.8840	0.0000	0.0000	0	0.00	
			1,400					0.00	0.00	148 763.00
		Total	1,400					0.00	0.00	1 474 780 520.10
Future										
Mar 2019	ZAEU	Future	135,246	16.2393	16.2111	16.2780	16.1917	507	8,256,637.50	
Jun 2019	ZAEU	Future	24,300	16.5435	16.5155	0.0000	0.0000	0	0.00	

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Sep 2019	ZAEU	Future	10,175	16.8800	16.8516	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	Future	277	17.1991	17.1666	0.0000	0.0000	0	0.00		
			<u>169,998</u>					<u>507.00</u>	<u>8,256,637.50</u>	<u>16 050 290.00</u>	<u>231 676 461 780.70</u>
Option											
Mar 2019	ZAEU	16.00 Call	650	564.6074	552.0163	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	55,000	459.4143	451.9981	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	13.73 Put	17,150	66.2229	66.8242	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	16.15 Put	17,150	581.2021	590.3788	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	20.62 Call	17,150	376.8679	371.6835	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		277,098					507.00	8,256,637.50	27 007 166.00	231 676 461 780.70
Future											
Mar 2019	ZAFR	Future	1,143	14.3900	14.4399	14.4655	14.4655	250	3,616,375.00		
Jun 2019	ZAFR	Future	150	14.6735	14.7250	0.0000	0.0000	0	0.00		
			<u>1,293</u>					<u>250.00</u>	<u>3,616,375.00</u>	<u>626 380.00</u>	<u>6 751 701 429.60</u>
	Total		1,293					250.00	3,616,375.00	626 380.00	6 751 701 429.60
Future											
Mar 2019	ZAGB	Future	395,583	17.9373	17.9423	17.9000	17.9000	995	17,871,385.00		
Jun 2019	ZAGB	Future	5,764	18.2129	18.2195	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	16,660	18.5134	18.5210	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	Future	247	18.7956	18.8011	0.0000	0.0000	0	0.00		
			<u>418,254</u>					<u>995.00</u>	<u>17,871,385.00</u>	<u>13 790 776.00</u>	<u>235 772 118 609.10</u>
Option											
Mar 2019	ZAGB	18.00 Put	500	535.3242	544.9556	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	19.00 Call	2,500	180.8923	188.2233	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	19.19 Put	1,000	1401.8884	1403.4585	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.00 Call	500	64.4410	66.6917	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.18 Call	1,500	53.3046	54.2799	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	14.3704	12.2025	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		424,754					995.00	17,871,385.00	15 573 889.00	235 772 118 609.10
Future											
Jun 2019	ZAKS	Future	2,166	0.1359	0.1356	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	9.7749	9.7720	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
			213					0.00	0.00	146 359.00	1 123 547 250.60
		Total	213					0.00	0.00	166 359.00	1 123 547 250.60
Future											
	Mar 2019 ZATR	Future	20,000	2.4833	2.4651	0.0000	0.0000	1,000	2,446,500.00		
			20,000					1,000.00	2,446,500.00	415 239.00	1 308 391 569.00
		Total	20,000					1,000.00	2,446,500.00	415 239.00	1 308 391 569.00
Future											
	Mar 2019 ZAUM	Future	422	14.0164	13.9912	0.0000	0.0000	0	0.00		
			422					0.00	0.00	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	511,864	14.0164	13.9912	14.0600	13.9500	29,695	416,847,792.60		
	Jun 2019 ZAUS	Future	112,532	14.1716	14.1467	14.1382	14.1350	16	226,163.20		
	Sep 2019 ZAUS	Future	14,285	14.3431	14.3177	14.3231	14.3140	45	644,352.00		
	Dec 2019 ZAUS	Future	9,900	14.5052	14.4772	0.0000	0.0000	0	0.00		
	Mar 2020 ZAUS	Future	4,566	14.6858	14.6576	0.0000	0.0000	0	0.00		
			653,147					29,756.00	417,718,307.80	193 689 823.00	2 333 594 632 186.60
Option											
	Mar 2019 ZAUS	10.33 Put	1,000	0.2541	0.3594	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	11.74 Put	1,000	5.9907	7.0217	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.47 Put	721	19.7046	22.4111	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.51 Put	720	21.0558	23.9067	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.80 Put	8,132	40.0246	46.6816	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.90 Put	16,000	51.6507	59.4253	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.92 Put	139,342	54.2616	62.2680	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.00 Put	15,434	65.7351	74.6922	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.05 Put	1,155	73.7899	83.3575	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.12 Put	138,000	86.2846	96.7224	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.15 Put	10,125	92.0964	102.9113	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.25 Put	225,407	113.5529	125.6346	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.33 Put	135,043	133.1494	146.7135	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.36 Put	134,750	141.2519	155.5153	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.46 Put	20,000	171.9930	187.3574	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.50 Put	17,050	185.4109	201.1928	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.55 Put	10,000	203.0997	219.3799	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.60 Put	6,570	221.8101	238.5640	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.62 Put	6,432	229.5834	246.5205	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.68 Put	14,200	253.8878	271.3478	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	13.70 Put	2,500	262.3203	279.9472	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	270.9175	288.7048	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	284.1182	302.1417	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	302.2972	320.6189	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	1,800	316.3564	334.8927	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	330.7830	349.5249	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	335.6742	354.4803	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	355.6335	374.6959	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	447.8781	442.0367	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	424.7071	419.1372	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	35,606	408.3071	427.9372	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	430.4631	451.1294	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	344.1798	340.8975	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	326.5130	323.5141	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	579.9152	602.2765	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	309.6820	306.9443	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	593.2820	615.7443	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	627.2625	649.9649	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	690.3701	713.4554	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	697.5319	720.6555	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	261.1203	259.0838	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	255.5850	253.6217	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	250.1624	248.2717	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	733.7624	757.0717	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	755.8345	779.2467	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	778.1519	801.6590	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	846.4972	870.2612	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	916.8145	940.7575	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	180.9070	179.9217	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	972.5251	996.7909	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	980.5645	1004.8788	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	988.6251	1012.9891	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	996.7065	1021.1176	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	145.1034	144.9835	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1162.4403	1187.6632	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1213.5517	1238.9707	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1230.7181	1256.1992	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1239.3265	1264.8353	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	120.3069	120.7316	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1291.2887	1316.9666	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1300.0006	1325.7044	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	113.8676	114.4233	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	15.25 Call	1,500	110.1752	110.8044	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1405.6302	1431.6132	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	93.4775	94.4124	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	88.5102	89.2828	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	87.4910	88.2922	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	83.5282	84.4363	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	81.6137	82.5722	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	79.7443	80.7513	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	69.3901	70.6505	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	58.3297	59.8228	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	56.9963	58.5152	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	53.1815	54.7659	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	46.8499	48.5297	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	40.3563	42.1071	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	38.1130	39.8821	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	33.2435	35.0341	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	30.3611	32.1536	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	24.2462	26.0065	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	23.7104	25.4651	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	15.7220	16.6720	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	15.5313	16.4479	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	14.6128	15.3703	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	13.5834	14.1658	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	13.4191	13.9741	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	13.2568	13.7848	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	11.3206	11.5383	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	10.4005	10.4792	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	8.1712	7.9448	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	4.5085	3.9386	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	2.6512	2.1341	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	5.2277	5.8489	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	59.6858	64.1215	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	122.9296	128.0966	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	171.9050	179.2513	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	176.8200	184.2813	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	243.4281	252.3018	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	1,282	246.5188	255.4505	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	479.2712	492.6361	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	504.1495	517.7633	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	747.4955	736.6808	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	143,900	566.5579	580.7352	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	604.6821	619.1716	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	14.20 Put	13,600	678.7403	694.0912	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	708.5865	724.1810	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	566.0228	557.5087	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	511.4570	503.6185	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	953.8953	971.1539	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	967.6507	984.9880	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	439.2764	432.3391	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	368.5471	363.2622	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	321.6211	317.4363	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	288.0580	284.6725	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	267.6317	264.1471	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	264.2096	260.7936	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	238.4152	235.5223	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	225.0833	222.4587	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	220.8185	218.2804	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	209.8552	207.5383	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	198.2131	196.1285	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	74.2536	75.8917	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	9.4263	10.0731	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	128.9647	137.1841	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	339.1839	347.7899	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	619.1407	631.9421	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	650.2363	663.3542	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	714.7005	728.4324	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	782.1190	796.4346	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	852.3761	867.1398	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1569.1470	1587.7968	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1708.0797	1727.3088	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	427.9525	422.2826	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	234.7657	234.5973	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	205.3711	206.0161	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	192.5217	193.5218	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	187.9692	189.0923	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.29 Call	81,930	169.5558	171.1814	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	161.4811	163.3254	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.63 Call	33,715	154.8608	155.5692	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	107.3525	107.4071	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	64.3511	66.1031	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	569.3323	580.5621	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	770.9708	784.0389	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	430.3699	425.6236	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	359.1713	355.7317	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	20.00 Call	2,000	151.7065	151.3930	0.0000	0	0.00
Mar 2020	ZAUS	11.91 Put	1,000	100.2007	99.4819	0.0000	0	0.00
Mar 2020	ZAUS	14.01 Put	1,000	800.1005	810.9685	0.0000	0	0.00
Mar 2020	ZAUS	17.73 Call	1,000	477.9675	475.6900	0.0000	0	0.00
			<u>4,964,349</u>				<u>0.00</u>	<u>0.00</u>
	Total		5,617,496				29,756.00	417,718,307.80
								257 638 307.00
								2 333 594 632 186.60

Grand Total			6,924,762				33,293.00	461 333 925.80	352,161,842	3,240,793,677,621.23
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