



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 28-January-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
<b>Future</b>											
Feb 2019	DAEU	Future	29	15.7523	15.6219	0.0000	0.0000	0	0.00		
Mar 2019	DAEU	Future	53	15.8450	15.7134	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	4	15.9008	15.7687	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	1	15.9370	15.8046	0.0000	0.0000	0	0.00		
			<b>87</b>					<b>0.00</b>	<b>0.00</b>	<b>816 050.00</b>	<b>12 203 231 036.50</b>
<b>Option</b>											
Feb 2019	DAEU	15.80 Put	25,000	244.7613	336.5704	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	16,200	1171.5918	1274.8015	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	110.8928	106.2983	0.0000	0.0000	0	0.00		
			<b>103,600</b>					<b>0.00</b>	<b>0.00</b>	<b>1 560 587.00</b>	<b>0.00</b>
<b>Total</b>			<b>103,687</b>					<b>0.00</b>	<b>0.00</b>	<b>2 376 637.00</b>	<b>12 203 231 036.50</b>
<b>Future</b>											
Jan 2019	DAGB	Future	27	18.0469	17.9157	0.0000	0.0000	0	0.00		
Feb 2019	DAGB	Future	47	18.1327	17.9999	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	80	18.2216	18.0873	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	43	18.2746	18.1395	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	120	18.3089	18.1734	0.0000	0.0000	0	0.00		
			<b>317</b>					<b>0.00</b>	<b>0.00</b>	<b>66 675.00</b>	<b>1 118 086 763.20</b>
<b>Total</b>			<b>317</b>					<b>0.00</b>	<b>0.00</b>	<b>273 988.00</b>	<b>1 118 086 763.20</b>
<b>Future</b>											
Jan 2019	DAUS	Future	1,018	13.7032	13.6359	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,837	13.7048	13.6374	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.7257	13.6582	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	6	13.7289	13.6614	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	5,759	13.7499	13.6821	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	74	13.7564	13.6885	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	80	13.7580	13.6901	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	13.7937	13.7253	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	Future	4,202	13.7969	13.7285	0.0000	0.0000	26	356,720.00
Apr 2019	DAUS	Future	55	13.8035	13.7350	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	260	13.8248	13.7562	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	349	13.8428	13.7741	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	15	13.8478	13.7792	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	319	13.8495	13.7808	0.0000	0.0000	26	357,994.00
May 2019	DAUS	Future	264	13.9025	13.8329	0.0000	0.0000	26	359,437.00
Jun 2019	DAUS	Future	74	13.9093	13.8396	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	359	13.9501	13.8796	0.0000	0.0000	26	360,685.00
Jul 2019	DAUS	Future	55	13.9553	13.8845	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	26	14.0069	13.9347	0.0000	0.0000	26	362,063.00
Aug 2019	DAUS	Future	55	14.0086	13.9364	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	65	14.0592	13.9872	0.0000	0.0000	65	911,154.40
Sep 2019	DAUS	Future	55	14.0644	13.9924	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	14.0679	13.9958	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.1169	14.0438	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.1677	14.0936	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.2242	14.1491	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.2277	14.1525	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.2785	14.2030	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.3307	14.2543	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.3877	14.3093	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.4447	14.3642	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.4943	14.4122	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.5553	14.4742	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.6558	14.5769	0.0000	0.0000	0	0.00
			<u>104,618</u>					<u>195.00</u>	<u>2,708,053.40</u>
									<u>11 035 191.00</u>
									<u>135 691 638 159.50</u>
<b>Option</b>									
Jan 2019	DAUS	13.00 Put	500	0.1372	1.5771	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.80 Put	600	136.4104	201.7342	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.95 Put	731	261.4719	330.0504	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.00 Call	731	11.9850	13.3162	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Call	600	3.7480	4.6100	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	498.9480	567.2100	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	548.0569	616.1667	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	1.4682	1.8310	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.55 Call	600	0.4995	0.7206	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	0.0213	0.0559	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	0.0177	0.0319	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.76 Put	684	192.2757	242.4785	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.81 Call	684	141.1943	126.6131	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.87 Put	22,000	261.0710	316.8856	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	13.75 Put	25,000	225.0926	270.5671	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	19.9292	26.3515	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.70 Put	600	207.6404	248.9630	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	545.8191	605.5718	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Call	600	86.3781	79.3222	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	586.4781	647.2222	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	49.0552	45.5515	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.75 Call	600	29.6078	27.9327	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	9.3098	8.9173	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	4.0418	3.8950	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	380.5338	431.1981	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	25.6565	23.7389	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	379.4418	426.4900	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	455.8958	506.3549	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	58.5519	71.3985	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	177.3171	207.2790	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	305.7684	283.9523	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	600.9585	655.9381	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	638.1483	694.1409	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	151.2746	141.5353	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	104.5472	98.1134	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	34.6757	32.2253	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	18.9441	17.3978	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	331.7417	373.3931	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	183.9736	172.5580	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	100.2100	116.1549	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	611.1134	574.5106	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	649.0390	701.5981	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	684.2266	737.7469	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	155.2176	147.9670	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	70.5834	67.5066	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	49.4200	47.2763	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	137.2985	155.6216	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	690.7144	742.2401	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	724.5419	776.9902	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	199.8696	192.2145	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	104.3410	100.7572	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	77.5988	75.1562	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	167.3910	187.4246	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	722.0112	772.8949	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	754.9377	806.6931	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	233.2243	225.5211	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Jun 2019	DAUS	15.96 Call	250	131.1873	127.2992	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	101.4616	98.7144	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	324.2151	357.2403	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	99.0966	96.5054	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	198.5990	220.0991	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	752.8805	803.5661	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	784.9674	836.4984	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	271.3740	263.2050	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	162.3515	157.9463	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	129.7342	126.5502	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	949.2772	1003.2624	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	161.2241	156.9242	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	223.0611	245.0536	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	778.5875	827.3739	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	810.1179	859.7018	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	300.8731	291.3661	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	189.2516	183.8916	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	154.4566	150.3202	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	54.4254	52.3646	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	245.3812	267.8674	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	800.3533	848.1279	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	831.3833	879.9183	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	329.8575	319.4973	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	216.4745	210.0864	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	178.8362	174.3676	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	267.5213	290.4743	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	821.6703	868.6256	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	852.2338	899.9315	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	353.4136	342.2263	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	240.3790	233.2192	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	203.9508	199.7064	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	286.4200	309.7359	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	838.9585	885.2185	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	869.1354	916.1048	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	376.7690	364.9269	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	263.3729	255.1998	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	228.6445	222.3814	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	305.3373	328.7611	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	855.3453	900.8468	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	885.3877	931.3195	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	400.0840	387.3217	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.05 Call	250	287.8484	278.9086	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Dec 2019	DAUS	17.44 Call	250	254.8832	247.8968	0.0000	0.0000	0	0.00	
			341,224					0.00	0.00	22 310 083.00
		<b>Total</b>	<b>445,842</b>					<b>195.00</b>	<b>2,708,053.40</b>	33 345 274.00 135 691 638 159.50
<b>Future</b>										
Mar 2019	EUUS	Future	5	1.1474	1.1435	0.0000	0.0000	0	0.00	
Jun 2019	EUUS	Future	582	1.1560	1.1522	0.0000	0.0000	0	0.00	
			587					0.00	0.00	745 402.00 8 456 173 900.00
		<b>Total</b>	<b>587</b>					<b>0.00</b>	<b>0.00</b>	745 402.00 8 456 173 900.00
<b>Future</b>										
Mar 2019	GBUS	Future	5	1.3200	1.3168	0.0000	0.0000	0	0.00	
			5					0.00	0.00	171 722.00 2 209 540 628.00
		<b>Total</b>	<b>5</b>					<b>0.00</b>	<b>0.00</b>	171 722.00 2 209 540 628.00
<b>Future</b>										
Mar 2019	ZAAD	Future	7,203	9.8825	9.8214	0.0000	0.0000	0	0.00	
Jun 2019	ZAAD	Future	15,741	10.0003	9.9376	0.0000	0.0000	0	0.00	
Sep 2019	ZAAD	Future	513	10.1318	10.0668	0.0000	0.0000	0	0.00	
Dec 2019	ZAAD	Future	400	10.2583	10.1911	0.0000	0.0000	0	0.00	
			23,857					0.00	0.00	3 847 173.00 33 705 171 731.80
<b>Option</b>										
Dec 2019	ZAAD	11.00 Call	1,000	248.7262	234.8769	0.0000	0.0000	0	0.00	
			1,000					0.00	0.00	34 377.00 0.00
		<b>Total</b>	<b>24,857</b>					<b>0.00</b>	<b>0.00</b>	3 881 550.00 33 705 171 731.80
<b>Future</b>										
Mar 2019	ZACA	Future	500	10.3862	10.3584	0.0000	0.0000	0	0.00	
Jun 2019	ZACA	Future	400	10.5184	10.4890	0.0000	0.0000	0	0.00	
Sep 2019	ZACA	Future	500	10.6623	10.6306	10.6454	10.6454	250	2,661,350.00	
			1,400					250.00	2,661,350.00	149 513.00 1 482 776 070.10
		<b>Total</b>	<b>1,400</b>					<b>250.00</b>	<b>2,661,350.00</b>	149 513.00 1 482 776 070.10
<b>Future</b>										
Mar 2019	ZAEU	Future	126,557	15.8097	15.6784	15.7396	15.7010	3,287	51,715,888.50	
Jun 2019	ZAEU	Future	29,425	16.0995	15.9646	0.0000	0.0000	543	8,729,648.10	
Sep 2019	ZAEU	Future	21,186	16.4201	16.2810	0.0000	0.0000	513	8,387,293.50	
Dec 2019	ZAEU	Future	17,899	16.7256	16.5818	0.0000	0.0000	0	0.00	
			195,067					4,343.00	68,832,830.10	16 152 835.00 233 333 797 018.90
<b>Option</b>										
Mar 2019	ZAEU	16.00 Call	650	234.8331	196.1229	0.0000	0.0000	0	0.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Sep 2019	ZAEU	18.60 Call	55,000	258.8164	242.4659	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	13.73 Put	17,150	46.6248	54.1612	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	16.15 Put	17,150	631.3524	702.1857	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	243.4651	239.5858	0.0000	0.0000	0	0.00	
			107,100					0.00	0.00	10 956 876.00
	<b>Total</b>		<b>302,167</b>					<b>4,343.00</b>	<b>68,832,830.10</b>	27 109 711.00 233 333 797 018.90
<b>Future</b>										
Mar 2019	ZAFR	Future	1,143	13.9611	13.8580	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	14.2306	14.1241	0.0000	0.0000	0	0.00	
			1,293					0.00	0.00	626 580.00 6 754 562 099.60
	<b>Total</b>		<b>1,293</b>					<b>0.00</b>	<b>0.00</b>	626 580.00 6 754 562 099.60
<b>Future</b>										
Mar 2019	ZAGB	Future	397,622	18.1878	18.0539	18.1200	18.0968	3,020	54,592,518.00	
Jun 2019	ZAGB	Future	5,764	18.4630	18.3247	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	15,609	18.7621	18.6193	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	Future	12,690	19.0448	18.8970	0.0000	0.0000	0	0.00	
			431,685					3,020.00	54,592,518.00	13 826 108.00 236 435 274 145.30
<b>Option</b>										
Mar 2019	ZAGB	18.00 Put	500	294.9168	357.5650	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.00 Call	2,500	134.1132	113.6441	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	1104.7084	1222.8991	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	30.1788	26.9522	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	23.8631	21.2446	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	5.3163	4.5122	0.0000	0.0000	0	0.00	
			6,500					0.00	0.00	1 783 113.00 0.00
	<b>Total</b>		<b>438,185</b>					<b>3,020.00</b>	<b>54,592,518.00</b>	15 609 221.00 236 435 274 145.30
<b>Future</b>										
Mar 2019	ZAJY	Future	10,000	0.1266	0.1256	0.0000	0.0000	0	0.00	
			10,000					0.00	0.00	1 142 337.00 52 077 212 053.60
	<b>Total</b>		<b>10,000</b>					<b>0.00</b>	<b>0.00</b>	1 142 337.00 52 077 212 053.60
<b>Future</b>										
Jun 2019	ZAKS	Future	2,166	0.1346	0.1334	0.0000	0.0000	0	0.00	
			2,166					0.00	0.00	38 066.00 515 662 000.00
	<b>Total</b>		<b>2,166</b>					<b>0.00</b>	<b>0.00</b>	38 066.00 515 662 000.00
<b>Future</b>										
Sep 2019	ZANZ	Future	213	9.6771	9.6091	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
		<b>Total</b>	<b>213</b>					<b>0.00</b>	<b>0.00</b>	166 359.00	1 123 547 250.60
<b>Future</b>											
	Mar 2019 ZASD	Future	1,200	10.1925	10.1330	0.0000	0.0000	0	0.00		
			1,200					0.00	0.00	10 726.00	109 054 884.50
		<b>Total</b>	<b>1,200</b>					<b>0.00</b>	<b>0.00</b>	10 726.00	109 054 884.50
<b>Future</b>											
	Mar 2019 ZATR	Future	25,000	2.5155	2.5228	0.0000	0.0000	0	0.00		
			25,000					0.00	0.00	420 239.00	1 320 654 069.00
		<b>Total</b>	<b>25,000</b>					<b>0.00</b>	<b>0.00</b>	420 239.00	1 320 654 069.00
<b>Future</b>											
	Mar 2019 ZAUM	Future	422	13.7791	13.7108	0.0000	0.0000	7	9,595,250.00		
	Jun 2019 ZAUM	Future	10	13.9263	13.8563	13.8691	13.8691	5	6,934,550.00		
			432					12.00	16,529,800.00	155 505.00	180 428 410 410.00
		<b>Total</b>	<b>432</b>					<b>12.00</b>	<b>16,529,800.00</b>	160 028.00	180 428 410 410.00
<b>Future</b>											
	Mar 2019 ZAUS	Future	534,681	13.7791	13.7108	13.7950	13.6900	55,486	761,262,406.10		
	Jun 2019 ZAUS	Future	104,981	13.9263	13.8563	13.8700	13.8600	410	5,686,092.00		
	Sep 2019 ZAUS	Future	14,284	14.0889	14.0164	0.0000	0.0000	0	0.00		
	Dec 2019 ZAUS	Future	10,100	14.2434	14.1681	0.0000	0.0000	0	0.00		
	Mar 2020 ZAUS	Future	4,566	14.4134	14.3341	0.0000	0.0000	0	0.00		
			668,612					55,896.00	766,948,498.10	194 391 081.00	2 343 331 823 742.90
<b>Option</b>											
	Mar 2019 ZAUS	10.33 Put	1,000	0.0597	0.0638	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	11.74 Put	1,000	1.4384	1.5722	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.47 Put	721	8.0048	10.0909	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.51 Put	720	9.2311	11.6316	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.80 Put	7,520	24.2065	30.2025	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.90 Put	16,000	32.8260	40.7244	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.92 Put	139,342	34.8291	43.1547	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.00 Put	15,434	43.8956	54.0975	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.05 Put	1,155	50.4966	63.3553	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.12 Put	138,000	61.6527	78.1734	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.15 Put	10,125	67.6364	85.2201	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.25 Put	225,407	90.5978	111.9036	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.33 Put	135,043	112.5106	136.9456	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.36 Put	134,750	121.5799	147.2138	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	155.2900	184.9668	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	17,050	170.3012	201.6028	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	190.3104	223.6363	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	6,570	211.7086	247.0408	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.62 Put	6,432	220.6578	256.7839	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	248.8325	287.3096	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	258.6635	297.9126	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	268.7154	309.2547	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	284.1992	326.6600	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	305.5976	350.5850	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	2,100	322.7559	369.0527	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	340.6571	387.9581	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	346.7272	394.3560	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	371.5068	420.4088	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	232.6759	214.7918	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	215.9147	199.4557	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	35,606	436.8147	488.6557	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	464.2094	517.1252	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	159.4432	147.8229	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	147.6939	137.0805	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	641.9500	700.2059	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	136.7843	127.1051	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	657.6843	716.3051	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	697.5609	757.0452	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	771.1696	831.8527	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	779.4842	840.2641	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	106.9246	99.4995	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	103.6798	96.4400	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	100.5324	93.4744	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	821.4324	882.6744	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	846.7485	908.3927	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	872.2787	934.3052	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	950.0655	1013.1301	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	1029.4774	1093.4267	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	62.3201	58.4855	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	1092.2349	1156.7809	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	1101.2655	1165.8895	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	1110.3117	1175.0133	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1119.3731	1184.1509	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	45.3522	42.8700	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1303.4729	1369.5038	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1359.6295	1425.3857	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	15.12 Put	99,824	1378.4303	1444.0689	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1387.8453	1453.4282	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	34.6978	31.7714	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1444.5285	1509.8062	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1453.9994	1519.2384	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	31.8794	28.9330	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	30.1280	27.3459	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1567.2862	1633.1561	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	22.6471	20.5691	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	20.5711	18.6888	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	20.1782	18.3327	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	18.6767	16.9730	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	17.2820	15.7095	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	13.6706	12.4381	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	10.1674	9.2632	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	9.7717	8.9045	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	8.6721	7.9072	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	6.9603	6.3539	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	5.3594	4.9001	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	4.8450	4.4326	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	3.8004	3.4825	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	3.2309	2.9639	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	2.2644	2.4638	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	2.2513	2.4483	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	2.0715	2.2335	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	2.0678	2.2290	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	2.0503	2.2074	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	2.0312	2.1836	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	2.0283	2.1798	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	2.0253	2.1761	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	1.9917	2.1330	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	1.9769	2.1135	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	1.9460	2.0700	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	1.7611	1.4170	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	0.8500	0.6729	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	3.4256	3.6999	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	44.4760	48.1300	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	98.7959	112.1570	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	147.9720	166.5753	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	152.9341	172.0318	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	221.7039	248.9194	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	1,282	224.9553	252.6539	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Jun 2019	ZAUS	13.83 Put	25,000	483.4193	525.8727	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	510.7970	554.8071	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	514.5704	491.7058	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	143,900	580.3313	627.8645	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	623.4416	672.3469	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	707.1153	758.3925	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	740.4846	792.6245	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	364.8568	349.6822	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	321.9864	309.0275	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	1013.3813	1071.0537	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	1028.5969	1086.5156	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	267.1912	257.0806	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	215.5399	208.0850	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	182.6102	176.1535	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	158.5461	152.9616	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	144.2348	139.3204	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	141.9866	137.1768	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	125.3012	121.2529	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	116.8566	113.1859	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	114.1816	110.6287	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	107.3688	104.1165	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	100.2316	97.2880	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	30.2613	30.4897	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	7.1960	7.8350	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	118.7169	131.3027	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	316.3691	343.5190	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	654.0999	698.4407	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	723.5412	770.1838	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	796.6046	845.1142	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	872.7766	923.0188	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1649.0211	1710.6973	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1796.6097	1858.1352	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	274.4817	265.6357	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	140.3476	138.4320	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	120.9643	119.7165	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	112.6525	111.6767	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	109.7318	108.8510	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	89.1517	84.1370	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.63 Call	33,715	80.3638	75.7903	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	50.8930	47.8558	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	49.9105	60.5999	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	551.9961	589.8320	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>
Dec 2019	ZAUS	14.07 Put	1,351	770.0338	814.5383	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	285.1974	276.5023	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	236.5334	231.4318	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	80.5889	75.5577	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	11.91 Put	1,000	59.9129	73.8021	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	14.01 Put	1,000	786.5555	830.1412	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	17.73 Call	1,000	334.2469	327.0783	0.0000	0.0000	0	0.00
			<u>4,800,175</u>					<u>0.00</u>	<u>0.00</u>
	<b>Total</b>		<b>5,468,787</b>					<b>55,896.00</b>	<b>766,948,498.10</b>
									258 507 575.00
									2 343 331 823 742.90

<b>Grand Total</b>	<b>6,826,138</b>							<b>63,716.00</b>	<b>912 273 049.60</b>	<b>353,495,909</b>	<b>3,293,872,242,781.83</b>
--------------------	------------------	--	--	--	--	--	--	------------------	-----------------------	--------------------	-----------------------------