



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 30-January-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
<b>Future</b>											
Feb 2019	DAEU	Future	29	15.6303	15.6490	0.0000	0.0000	0	0.00		
Mar 2019	DAEU	Future	53	15.7249	15.7415	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	4	15.7795	15.7974	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	1	15.8148	15.8337	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	313.9160	305.8010	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	16,200	1261.7460	1246.1886	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	102.5333	103.6363	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	17.8083	17.9526	0.0000	0.0000	0	0.00		
Feb 2019	DAGB	Future	47	17.8929	18.0387	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	80	17.9821	18.1276	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	43	18.0338	18.1806	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	120	18.0672	18.2149	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	0	13.6152	13.6179	0.0000	0.0000	1,018	13,842,865.00		
Jan 2019	DAUS	Future	1,837	13.6168	13.6195	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.6379	13.6402	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	6	13.6411	13.6434	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	5,759	13.6620	13.6650	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	74	13.6685	13.6715	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	80	13.6701	13.6732	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	13.7059	13.7089	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	13.7091	13.7121	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.7157	13.7187	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	260	13.7369	13.7401	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	349	13.7548	13.7582	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	15	13.7597	13.7631	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	319	13.7614	13.7648	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	264	13.8140	13.8170	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	13.8208	13.8238	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	359	13.8620	13.8646	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	13.8671	13.8697	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	26	13.9181	13.9205	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	13.9198	13.9222	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	65	13.9695	13.9724	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	13.9747	13.9776	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	13.9781	13.9810	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.0268	14.0293	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.0782	14.0794	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.1333	14.1356	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.1369	14.1389	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.1879	14.1880	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.2388	14.2391	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.2933	14.2945	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.3478	14.3500	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.3953	14.3984	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.4575	14.4612	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.5603	14.5646	0.0000	0.0000	0	0.00		
			<u>103,600</u>					<u>1,018.00</u>	<u>13,842,865.00</u>	<u>11 036 209.00</u>	<u>135 705 481 024.50</u>
<b>Option</b>											
Jan 2019	DAUS	13.00 Put	500	0.0364	0.1389	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.80 Put	600	189.9002	194.7580	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.95 Put	731	334.3799	334.8179	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.00 Call	731	0.6660	2.9416	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.20 Call	600	0.0762	0.7077	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.20 Put	250	583.2762	581.2077	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.25 Put	250	633.2460	631.0109	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.38 Call	500	0.0243	0.2328	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.55 Call	600	0.0196	0.0943	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	15.13 Call	250	0.0020	0.0151	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	15.47 Call	250	0.0000	0.0126	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.76 Put	684	232.2460	237.2369	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.81 Call	684	97.2532	104.3919	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.87 Put	22,000	309.4493	314.0189	0.0000	0.0000	0	0.00		

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Feb 2019	DAUS	13.75 Put	25,000	265.7139	268.3394	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	22.3790	23.9895	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.70 Put	600	243.6779	246.4806	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	609.5726	610.3931	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Call	600	64.1797	67.7763	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	652.1797	652.7763	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	34.8765	37.3926	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.75 Call	600	20.4711	22.2583	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	5.9795	6.6747	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	2.5272	2.8540	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	430.9137	432.0530	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	18.7846	19.8282	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	426.8768	427.3692	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	508.0734	508.2745	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	68.8167	70.3993	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	203.9720	205.5700	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	264.6733	268.4601	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	659.6594	659.6317	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	698.4213	698.2668	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	128.0602	130.5409	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	87.3834	89.3220	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	26.8986	27.3162	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	14.3169	14.3181	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	372.4759	373.8029	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	158.0612	160.9314	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	113.4917	116.2530	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	552.1412	558.4637	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	703.2200	704.5160	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	739.7875	740.9373	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	135.5579	138.8274	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	60.4761	62.4725	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	42.1298	43.6767	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	154.9992	155.9595	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	745.3600	744.4992	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	780.3969	779.4542	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	181.3873	182.7812	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	93.7784	94.7013	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	69.6672	70.4131	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	187.9617	187.4532	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	776.5785	774.2128	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	810.6005	808.1770	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	216.0067	215.9756	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	15.96 Call	250	120.7114	120.6829	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	93.3589	93.3366	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	358.8070	357.4557	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	91.4554	91.3150	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	222.1283	220.1891	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	807.5247	803.8424	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	840.5984	836.8868	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	254.0437	252.9679	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	151.2826	150.5377	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	120.8491	120.2387	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	1008.7907	1004.7477	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	150.6138	149.9372	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	247.8696	245.3715	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	832.6595	828.5114	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	865.1260	860.9436	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	282.5230	281.2805	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	177.4839	176.7570	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	144.8079	144.2764	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	49.8105	49.7845	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	271.1315	268.6048	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	853.7809	849.4080	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	885.7008	881.3393	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	311.5327	310.7137	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	204.2424	203.3658	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	170.1475	168.4624	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	293.5572	291.3089	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	872.8516	870.0445	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	904.2997	901.4878	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	335.2331	334.2023	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	227.4922	227.0599	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	194.4487	194.2595	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	313.2987	310.5098	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	890.1241	886.4937	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	921.1471	917.5043	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	358.2941	357.5363	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	249.6939	249.5063	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	217.2755	217.3300	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	332.4784	330.0384	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	905.8329	903.1150	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	936.4322	933.7208	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	381.4087	380.0545	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.05 Call	250	273.8906	273.2723	0.0000	0.0000	0	0.00

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Dec 2019	DAUS	17.44 Call	250	243.1541	242.8740	0.0000	0.0000	0	0.00	
			341,224					0.00	0.00	22 310 083.00
		<b>Total</b>	<b>444,824</b>					<b>1,018.00</b>	<b>13,842,865.00</b>	33 346 292.00 135 705 481 024.50
<b>Future</b>										
Mar 2019	EUUS	Future	5	1.1459	1.1469	0.0000	0.0000	0	0.00	
Jun 2019	EUUS	Future	582	1.1546	1.1556	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	1.3109	1.3213	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	5,780	9.8476	9.7969	0.0000	0.0000	0	0.00	
Jun 2019	ZAAD	Future	15,741	9.9649	9.9139	0.0000	0.0000	0	0.00	
Sep 2019	ZAAD	Future	513	10.0950	10.0428	0.0000	0.0000	0	0.00	
Dec 2019	ZAAD	Future	400	10.2207	10.1667	0.0000	0.0000	0	0.00	
			22,434					0.00	0.00	3 848 596.00 33 719 166 936.80
<b>Option</b>										
Dec 2019	ZAAD	11.00 Call	1,000	240.6074	226.2616	0.0000	0.0000	0	0.00	
			1,000					0.00	0.00	34 377.00 0.00
		<b>Total</b>	<b>23,434</b>					<b>0.00</b>	<b>0.00</b>	3 882 973.00 33 719 166 936.80
<b>Future</b>										
Mar 2019	ZACA	Future	500	10.3768	10.3442	0.0000	0.0000	0	0.00	
Jun 2019	ZACA	Future	400	10.5095	10.4758	0.0000	0.0000	0	0.00	
Sep 2019	ZACA	Future	500	10.6521	10.6181	0.0000	0.0000	0	0.00	
			1,400					0.00	0.00	149 513.00 1 482 776 070.10
		<b>Total</b>	<b>1,400</b>					<b>0.00</b>	<b>0.00</b>	149 513.00 1 482 776 070.10
<b>Future</b>										
Mar 2019	ZAEU	Future	144,969	15.6890	15.7063	15.7228	15.7000	22,546	354,274,237.10	
Jun 2019	ZAEU	Future	29,425	15.9775	15.9946	15.9900	15.9900	64	1,023,360.00	
Sep 2019	ZAEU	Future	21,186	16.2939	16.3122	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	Future	17,899	16.6006	16.6147	0.0000	0.0000	0	0.00	
			213,479					22,610.00	355,297,597.10	16 186 021.00 233 856 395 649.60
<b>Option</b>										
Mar 2019	ZAEU	16.00 Call	650	191.2523	197.1767	0.0000	0.0000	0	0.00	

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Sep 2019	ZAEU	18.60 Call	55,000	241.3296	242.1183	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	13.73 Put	17,150	54.2775	53.8717	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	16.15 Put	17,150	695.8152	683.2457	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	240.0499	239.8260	0.0000	0.0000	0	0.00	
			107,100					0.00	0.00	10 956 876.00
		<b>Total</b>	<b>320,579</b>					<b>22,610.00</b>	<b>355,297,597.10</b>	27 142 897.00 233 856 395 649.60
<b>Future</b>										
Mar 2019	ZAFR	Future	1,143	13.7732	13.8282	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	14.0397	14.0953	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	407,184	17.9483	18.0938	0.0000	0.0000	11,617	208,529,302.50	
Jun 2019	ZAGB	Future	5,764	18.2202	18.3679	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	15,609	18.5161	18.6652	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	Future	12,690	18.7989	18.9457	0.0000	0.0000	0	0.00	
			441,247					11,617.00	208,529,302.50	13 838 731.00 236 662 033 465.60
<b>Option</b>										
Mar 2019	ZAGB	18.00 Put	500	397.6345	329.7720	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.00 Call	2,500	84.4926	111.9439	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	1304.3014	1180.7990	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	17.7013	24.7604	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	13.9129	19.3837	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	3.0586	3.9875	0.0000	0.0000	0	0.00	
			6,500					0.00	0.00	1 783 113.00 0.00
		<b>Total</b>	<b>447,747</b>					<b>11,617.00</b>	<b>208,529,302.50</b>	15 621 844.00 236 662 033 465.60
<b>Future</b>										
Mar 2019	ZAJY	Future	10,000	0.1253	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	0.1335	0.1342	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	9.5988	9.6018	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	10.1358	10.1335	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	2.5266	2.5101	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	13.6913	13.6942	0.0000	0.0000	0	0.00		
	Jun 2019 ZAUM	Future	10	13.8380	13.8408	0.0000	0.0000	0	0.00		
			432					0.00	0.00	155 505.00	180 428 410 410.00
		<b>Total</b>	<b>432</b>					<b>0.00</b>	<b>0.00</b>	160 028.00	180 428 410 410.00
<b>Future</b>											
	Mar 2019 ZAUS	Future	490,956	13.6913	13.6942	13.7200	13.6500	83,237	1,139,634,974.50		
	Jun 2019 ZAUS	Future	104,635	13.8380	13.8408	13.8400	13.8205	354	4,902,403.50		
	Sep 2019 ZAUS	Future	14,284	13.9989	14.0017	0.0000	0.0000	0	0.00		
	Dec 2019 ZAUS	Future	10,100	14.1527	14.1541	0.0000	0.0000	0	0.00		
	Mar 2020 ZAUS	Future	4,566	14.3179	14.3196	0.0000	0.0000	0	0.00		
			624,541					83,591.00	1,144,537,378.00	194 499 517.00	2 344 817 898 330.30
<b>Option</b>											
	Mar 2019 ZAUS	10.33 Put	1,000	0.0011	0.0634	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	11.74 Put	1,000	1.2757	1.5565	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.47 Put	721	8.8488	9.9781	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.51 Put	720	10.2525	11.4576	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.80 Put	7,520	27.5889	29.2398	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.90 Put	16,000	37.6260	39.3317	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.92 Put	139,342	39.9592	41.6673	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.00 Put	15,434	50.5252	52.2007	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.05 Put	1,155	59.5616	61.3242	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.12 Put	138,000	74.1175	75.9797	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.15 Put	10,125	81.0723	82.9680	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.25 Put	225,407	107.5548	109.5182	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.33 Put	135,043	132.5702	134.5345	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.36 Put	134,750	142.8628	144.8148	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	180.8392	182.7004	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	22,050	197.6269	199.4308	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	219.9022	221.6186	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	6,570	243.6022	245.2144	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.62 Put	6,432	253.4780	255.0442	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	284.4562	285.8705	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	295.2262	296.5857	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	306.7750	308.0978	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	324.5032	325.7665	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	348.8776	350.0593	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	2,100	367.6987	368.8132	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	386.9684	388.0147	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	393.4891	394.5109	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	420.0476	420.9724	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	195.5806	199.2782	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	180.9066	184.4745	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	30,606	489.6066	490.2745	0.0000	0.0000	10,000	0.00
Mar 2019	ZAUS	14.04 Put	7,100	518.6177	519.1788	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	131.9970	135.0223	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	121.9313	124.8201	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	704.9582	704.8671	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	112.6219	115.3775	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	721.3219	721.1775	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	762.7166	762.4412	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	838.6726	838.1715	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	847.2076	846.6827	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	87.0673	89.4188	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	84.2545	86.5591	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	81.5315	83.7897	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	890.2315	889.5897	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	916.3104	915.5999	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	942.5768	941.7989	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	1022.4187	1021.4462	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	1103.6682	1102.5136	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	49.8221	51.4543	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	1167.7140	1166.4268	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	1176.9184	1175.6139	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	1186.1370	1184.8133	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1195.3686	1194.0270	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	35.9746	37.2681	0.0000	0.0000	1,060	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1382.4221	1380.7555	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1438.8177	1437.0892	0.0000	0.0000	0	0.00



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Mar 2019	ZAUS	15.12 Put	99,824	1457.6690	1455.9227	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1467.1106	1465.3549	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	26.2757	27.3828	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1523.9662	1522.1540	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1533.4752	1531.6537	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	23.8202	24.8795	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	22.4521	23.4837	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1648.2444	1646.3115	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	16.6604	17.5555	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	15.0693	15.9208	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	14.7692	15.6121	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	13.6244	14.4334	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	12.5656	13.3409	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	9.8434	10.5230	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	7.2356	7.8068	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	6.9432	7.5012	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	6.1339	6.6527	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	4.8834	5.3357	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	3.7255	4.1083	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	3.3563	3.7147	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	2.6115	2.9168	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	2.2087	2.4824	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	1.8508	2.0835	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	1.8430	2.0734	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	1.7415	1.9386	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	1.7397	1.9360	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	1.7309	1.9234	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	1.7216	1.9100	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	1.7202	1.9079	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	1.7189	1.9059	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	1.7045	1.8833	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	1.6993	1.8740	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	1.6926	1.8571	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	1.1746	1.2864	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	0.5463	0.6050	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	3.5574	3.7679	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	48.3455	48.6753	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	93.6142	93.7564	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	112.6526	112.7983	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	166.7349	166.8734	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	172.1574	172.2924	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	248.9016	248.8819	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	13.25 Put	1,282	252.6521	252.6146	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	643.1623	645.2774	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	527.2407	526.0779	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	556.3981	555.1512	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	506.3913	507.9161	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	475.5313	476.9400	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	143,900	630.1022	628.6830	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	674.9716	673.4575	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	761.7567	760.0668	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	796.2718	794.5188	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	355.0915	356.0131	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	336.0134	336.8524	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	296.2521	296.9377	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	1076.8274	1074.7033	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	1092.3891	1090.2588	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	245.4833	246.1271	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	15,000	213.5493	0.0000	0.0000	0.0000	15,000	0.00
Jun 2019	ZAUS	15.10 Call	1,500	197.7891	198.3917	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	166.8660	167.4266	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	144.5367	145.0407	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	131.4351	131.9048	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	129.3794	129.8409	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	114.1252	114.5462	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	106.4138	106.8117	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	103.9710	104.3620	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	97.7540	98.1269	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	91.2462	91.6006	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	28.6542	28.9168	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	7.7105	7.9247	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	133.9529	132.2878	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	346.9918	343.9207	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	703.0866	699.0441	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	720.7285	716.6554	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	775.1949	771.0578	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	850.5443	846.3266	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	928.8626	924.5814	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1719.9319	1715.6967	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1867.7913	1863.6847	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	258.4622	257.3797	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	133.5131	133.2185	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	115.2468	115.1172	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	107.4094	107.3516	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	17.93 Call	2,571	104.6539	104.6224	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.47 Call	1,200	80.6383	80.6751	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.63 Call	33,715	72.5497	72.5799	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	19.32 Call	33,151	45.5618	45.5722	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	11.89 Put	1,000	60.8140	61.1459	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	13.66 Put	1,000	593.9953	590.8142	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	14.07 Put	1,351	819.2375	816.0057	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	16.85 Call	1,351	271.1493	270.6979	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	17.38 Call	1,000	226.5588	226.4822	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	73.2729	73.5421	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	11.91 Put	1,000	76.1402	70.2443	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.01 Put	1,000	835.2458	831.6373	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.73 Call	1,000	322.9837	323.2570	0.0000	0.0000	0	0.00	
			<u>4,819,075</u>					<u>26,060.00</u>	<u>0.00</u>	<u>64 162 504.00</u>
		<b>Total</b>	<b>5,443,616</b>					<b>109,651.00</b>	<b>1,144,537,378.00</b>	<b>258 662 021.00</b>
										<b>2 344 817 898 330.30</b>

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<b>Grand Total</b>	<b>6,826,500</b>							<b>144,896.00</b>	<b>1 722 207 142.60</b>	<b>353,698,605</b>	<b>3,296,135,513,390.23</b>
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