



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 17-January-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Future											
Jan 2019	DAEU	Future	4,830	15.7156	15.6331	0.0000	0.0000	0	0.00		
Feb 2019	DAEU	Future	29	15.8203	15.7528	0.0000	0.0000	0	0.00		
Mar 2019	DAEU	Future	53	15.8688	15.8015	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	4	15.9720	15.9036	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	1	16.0090	15.9402	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	1177.7836	1238.1456	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	144.5894	147.9009	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	17.8202	17.6665	0.0000	0.0000	0	0.00		
Jan 2019	DAGB	Future	27	17.8353	17.6875	0.0000	0.0000	0	0.00		
Feb 2019	DAGB	Future	47	17.9189	17.7788	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	80	18.0071	17.8664	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	43	18.0607	17.9187	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	120	18.0952	17.9527	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	1,901	13.7957	13.7133	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	51	13.7941	13.7169	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,018	13.8023	13.7230	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,922	13.8039	13.7249	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.8249	13.7486	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	6	13.8281	13.7523	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	15	13.8444	13.7694	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	5,899	13.8493	13.7743	0.0000	0.0000	163	2,259,359.30
Mar 2019	DAUS	Future	74	13.8558	13.7808	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	80	13.8575	13.7824	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,731	13.8939	13.8187	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,228	13.8974	13.8221	0.0000	0.0000	363	5,035,247.00
Apr 2019	DAUS	Future	55	13.9043	13.8288	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	260	13.9268	13.8505	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	349	13.9457	13.8693	0.0000	0.0000	278	3,864,895.00
Apr 2019	DAUS	Future	345	13.9525	13.8762	0.0000	0.0000	163	2,275,969.00
May 2019	DAUS	Future	238	14.0054	13.9294	0.0000	0.0000	163	2,284,608.00
Jun 2019	DAUS	Future	74	14.0123	13.9362	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	333	14.0532	13.9774	0.0000	0.0000	273	3,830,747.00
Jul 2019	DAUS	Future	55	14.0583	13.9826	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.1119	14.0366	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.1685	14.0932	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	14.1720	14.0968	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.2216	14.1463	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.2733	14.1981	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.3313	14.2557	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.3349	14.2593	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.3875	14.3115	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.4410	14.3649	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.5005	14.4244	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.5600	14.4839	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.6118	14.5358	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.6770	14.6011	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.7845	14.7086	0.0000	0.0000	0	0.00
			<u>106,704</u>					<u>1,403.00</u>	<u>19,550,825.30</u>
									<u>11 031 376.00</u>
									<u>135 638 686 128.50</u>
Option									
Jan 2019	DAUS	12.66 Put	263	0.0000	0.0000	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.80 Put	25,000	47.7932	125.7715	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	4.7692	6.3292	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.80 Put	600	157.8242	206.5273	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.95 Put	731	249.1521	308.6626	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.00 Call	731	87.8907	71.3802	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Call	600	44.7735	37.0354	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	440.8735	512.1354	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	483.6186	556.3704	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	23.4052	20.0049	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.55 Call	600	12.6915	11.4812	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	2.1444	1.9404	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	0.8088	0.7773	0.0000	0.0000	0	0.00

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Feb 2019	DAUS	13.87 Put	22,000	262.5345	318.5594	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	33.7051	43.9150	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.70 Put	600	217.4141	261.0143	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	519.3932	583.7362	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Call	600	155.6795	146.2445	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	556.3795	621.9445	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	100.3118	95.5790	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.75 Call	600	68.0034	65.8319	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	27.8786	27.3563	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	13.5916	13.4313	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	372.5770	426.1537	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	54.2409	52.8887	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	376.6137	426.2362	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	446.8109	500.5707	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	71.1800	88.0755	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	188.8835	0.0000	0.0000	0.0000	600	0.00
Mar 2019	DAUS	13.87 Call	600	404.0053	0.0000	0.0000	0.0000	600	0.00
Mar 2019	DAUS	14.20 Put	250	581.6623	640.3254	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	616.2499	676.0738	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	222.1061	0.0000	0.0000	0.0000	600	0.00
Mar 2019	DAUS	14.67 Call	500	162.6458	154.4440	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	66.7738	64.5050	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	42.9039	42.2019	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	335.2780	378.7869	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	259.1397	244.3072	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	113.6064	133.2272	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	723.7555	682.1859	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	635.0858	690.5770	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	668.1539	724.7267	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	218.1841	208.0202	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	109.5635	105.1634	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	79.9185	77.0586	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	150.9884	173.5166	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	680.4916	734.6937	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	712.5547	767.7285	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	264.5417	254.4800	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	147.9361	142.8877	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	113.0972	109.5797	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	0	1060.7392	1122.6237	0.0000	0.0000	20,000	0.00
Jun 2019	DAUS	17.22 Call	0	75.5544	74.9379	0.0000	0.0000	20,000	0.00
Jun 2019	DAUS	13.00 Put	500	181.7499	206.2234	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	714.9098	768.3458	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	14.25 Put	250	746.2748	800.6125	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	299.3149	289.6144	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	178.0645	172.7548	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	140.7212	136.8345	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	334.3271	370.6386	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	137.1960	133.5744	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	213.4554	239.5512	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	749.8011	803.0297	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	780.5386	834.6188	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	339.8450	331.9573	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	213.5966	209.2964	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	173.9783	170.8178	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	939.4531	997.3972	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	210.7110	207.2283	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	238.6170	266.3166	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	777.6866	831.3961	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	807.9640	862.5054	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	370.0084	363.1907	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	242.1210	238.8375	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	200.8605	198.6696	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	79.0940	78.9920	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	261.8650	290.0958	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	801.9166	854.9465	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	831.7884	885.6028	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	400.8395	394.1421	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	271.7253	268.4881	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	227.6761	225.4534	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	284.8378	314.2740	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	825.3655	879.0427	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	855.1012	909.3026	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	426.0239	420.2016	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	297.9608	295.5706	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	253.9042	253.2854	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	304.6501	334.8219	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	843.6731	898.4676	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	873.1869	928.7493	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	451.4365	446.5094	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	322.9389	321.5473	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	279.6955	281.2276	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	324.1950	355.3389	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	861.3821	916.7932	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	890.6546	946.8008	0.0000	0.0000	0	0.00

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Dec 2019	DAUS	16.21 Call	500	475.7559	472.2704	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	349.2368	349.2104	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	307.3824	311.1951	0.0000	0.0000	0	0.00		
			<u>340,119</u>					<u>41,800.00</u>	<u>0.00</u>	<u>22 258 715.00</u>	<u>0.00</u>
	Total		446,823					43,203.00	19,550,825.30	33 290 091.00	135 638 686 128.50
Future											
Mar 2019	EUUS	Future	5	1.1440	1.1454	0.0000	0.0000	0	0.00		
Jun 2019	EUUS	Future	582	1.1527	1.1541	0.0000	0.0000	0	0.00		
			<u>587</u>					<u>0.00</u>	<u>0.00</u>	<u>745 402.00</u>	<u>8 456 173 900.00</u>
	Total		587					0.00	0.00	745 402.00	8 456 173 900.00
Future											
Mar 2019	GBUS	Future	200	1.2950	1.2919	0.0000	0.0000	0	0.00		
			<u>200</u>					<u>0.00</u>	<u>0.00</u>	<u>171 422.00</u>	<u>2 205 630 928.00</u>
	Total		200					0.00	0.00	171 422.00	2 205 630 928.00
Future											
Mar 2019	ZAAD	Future	7,365	9.9511	9.9196	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	15,741	10.0713	10.0398	0.0000	0.0000	0	0.00		
Sep 2019	ZAAD	Future	813	10.2036	10.1725	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.3311	10.3000	0.0000	0.0000	0	0.00		
			<u>24,319</u>					<u>0.00</u>	<u>0.00</u>	<u>3 846 024.00</u>	<u>33 693 741 901.90</u>
Option											
Dec 2019	ZAAD	11.00 Call	1,000	297.7501	293.9663	0.0000	0.0000	0	0.00		
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	<u>34 377.00</u>	<u>0.00</u>
	Total		25,319					0.00	0.00	3 880 401.00	33 693 741 901.90
Future											
Mar 2019	ZACA	Future	500	10.4496	10.4328	0.0000	0.0000	0	0.00		
Jun 2019	ZACA	Future	650	10.5837	10.5657	0.0000	0.0000	0	0.00		
Sep 2019	ZACA	Future	250	10.7276	10.7101	0.0000	0.0000	0	0.00		
			<u>1,400</u>					<u>0.00</u>	<u>0.00</u>	<u>149 013.00</u>	<u>1 477 461 670.10</u>
	Total		1,400					0.00	0.00	149 013.00	1 477 461 670.10
Future											
Mar 2019	ZAEU	Future	132,620	15.8779	15.8103	15.9239	15.8222	3,065	48,497,819.00		
Jun 2019	ZAEU	Future	24,570	16.1715	16.1034	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	Future	22,079	16.4939	16.4265	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	Future	12,777	16.8039	16.7356	0.0000	0.0000	0	0.00		
			<u>192,046</u>					<u>3,065.00</u>	<u>48,497,819.00</u>	<u>16 081 667.00</u>	<u>232 193 055 030.30</u>

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Option										
Mar 2019	ZAEU	16.00 Call	650	314.5303	300.6636	0.0000	0.0000	0	0.00	
Sep 2019	ZAEU	18.60 Call	55,000	313.9631	314.7561	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	13.73 Put	17,150	61.4630	73.5127	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	16.15 Put	17,150	657.4339	708.4574	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	286.6800	292.4757	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>
		Total	299,146					3,065.00	48,497,819.00	27 038 543.00 232 193 055 030.30
Future										
Mar 2019	ZAFR	Future	1,143	14.0368	14.0164	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	14.3100	14.2899	0.0000	0.0000	0	0.00	
			<u>1,293</u>					<u>0.00</u>	<u>0.00</u>	<u>626 380.00</u>
		Total	1,293					0.00	0.00	626 380.00 6 751 701 429.60
Future										
Mar 2019	ZAGB	Future	394,766	17.9729	17.8325	17.9623	17.8100	811	14,468,929.30	
Jun 2019	ZAGB	Future	5,764	18.2461	18.1037	18.1334	18.1303	600	10,878,490.00	
Sep 2019	ZAGB	Future	14,864	18.5418	18.3978	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	Future	247	18.8222	18.6756	0.0000	0.0000	0	0.00	
			<u>415,641</u>					<u>1,411.00</u>	<u>25,347,419.30</u>	<u>13 795 139.00</u>
		Total								235 851 500 219.30
Option										
Mar 2019	ZAGB	18.00 Put	500	453.9164	544.7817	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.00 Call	2,500	138.9914	123.8384	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	1327.6990	1456.4802	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	41.2660	37.4874	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	33.3367	30.1996	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	7.9381	7.1286	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>
		Total	422,141					1,411.00	25,347,419.30	15 578 252.00 235 851 500 219.30
Future										
Mar 2019	ZAJY	Future	9,986	0.1280	0.1274	0.0000	0.0000	60,386	39,841,390,319.40	
			<u>9,986</u>					<u>60,386.00</u>	<u>39,841,390,319.40</u>	<u>1 089 193.00</u>
		Total	9,986					60,386.00	39,841,390,319.40	1 089 193.00 51 399 736 086.90
Future										
Jun 2019	ZAKS	Future	2,166	0.1349	0.1339	0.0000	0.0000	0	0.00	
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>
		Total	2,166					0.00	0.00	38 066.00 515 662 000.00

<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>	
Future											
Sep 2019	ZANZ	Future	213	9.6044	9.6101	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>
		Total	213					0.00	0.00	166 359.00	1 123 547 250.60
Future											
Mar 2019	ZATR	Future	25,000	2.5043	2.4828	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>420 239.00</u>	<u>1 320 654 069.00</u>
		Total	25,000					0.00	0.00	420 239.00	1 320 654 069.00
Future											
Mar 2019	ZAUM	Future	422	13.8787	13.8036	0.0000	0.0000	15	20,760,000.00		
			<u>422</u>					<u>15.00</u>	<u>20,760,000.00</u>	<u>155 478.00</u>	<u>180 390 932 810.00</u>
		Total	422					15.00	20,760,000.00	160 001.00	180 390 932 810.00
Future											
Mar 2019	ZAUS	Future	531,386	13.8787	13.8036	13.9182	13.7995	30,538	422,734,488.50		
Jun 2019	ZAUS	Future	109,867	14.0293	13.9534	0.0000	0.0000	11,632	162,359,401.60		
Sep 2019	ZAUS	Future	14,290	14.1933	14.1180	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	Future	10,100	14.3512	14.2755	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	4,566	14.5273	14.4513	0.0000	0.0000	0	0.00		
			<u>670,209</u>					<u>42,170.00</u>	<u>585,093,890.10</u>	<u>194 002 259.00</u>	<u>2 337 935 041 705.60</u>
Option											
Mar 2019	ZAUS	10.33 Put	1,000	0.1630	0.2028	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	11.74 Put	1,000	3.0413	3.6238	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.47 Put	721	8.8408	12.9651	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.51 Put	720	9.6703	15.0607	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.80 Put	7,520	28.7503	39.7670	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.90 Put	16,000	39.7757	53.2607	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.92 Put	139,342	42.3228	56.3309	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.00 Put	15,434	53.7671	69.9502	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.05 Put	1,155	62.0051	79.6102	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.12 Put	138,000	75.0486	94.8346	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.15 Put	10,125	81.2070	102.0930	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.25 Put	225,407	104.3896	129.0430	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.33 Put	135,043	126.0239	153.7711	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.36 Put	134,750	134.8654	163.7914	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.46 Put	20,000	167.2892	200.1887	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.50 Put	17,050	181.5570	216.0522	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.55 Put	10,000	200.4510	236.9346	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.60 Put	6,570	220.5261	258.9871	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.62 Put	6,432	228.8887	268.1340	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	13.68 Put	14,200	255.1156	296.6912	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	264.2370	306.5810	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	273.5472	316.6518	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	287.8666	332.1019	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	307.6132	353.3333	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	1,800	322.9099	370.2041	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	338.6236	387.7112	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	343.9514	393.6338	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	365.7186	417.7519	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	323.8398	302.4399	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	304.3501	284.5388	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	35,606	425.6501	480.9388	0.0000	0.0000	1,400	0.00
Mar 2019	ZAUS	14.04 Put	7,100	450.8149	507.3225	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	236.5015	222.2829	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	221.8723	208.8620	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	614.8080	677.5866	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	208.0969	196.2217	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	629.3969	692.6217	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	666.4377	730.7243	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	735.0346	801.0637	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	742.8012	809.0113	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	169.2978	160.5843	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	164.9697	156.6071	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	160.7517	152.7245	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	782.0517	849.1245	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	805.9197	873.3530	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	830.0199	897.7968	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	903.4410	972.3367	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	978.5462	1048.5565	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	108.2518	103.8202	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	1038.1217	1108.8942	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	1046.7089	1117.5837	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	1055.3163	1126.2902	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1063.9406	1135.0135	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	82.9698	80.3066	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1239.9795	1312.7017	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1293.9649	1367.0770	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1312.0665	1385.2989	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1321.1371	1394.4273	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	66.2414	64.6556	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1375.8158	1449.4352	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1384.9699	1458.6364	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	15.22 Call	2,785	62.0135	60.5320	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	59.6130	58.0591	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1495.4779	1569.0704	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	48.0556	47.1147	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	44.5713	43.9407	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	43.9046	43.3326	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	41.3313	40.9803	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	38.9028	38.7555	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	32.4195	32.7810	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	25.7802	26.5999	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	25.0021	25.8698	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	22.8042	23.8006	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	19.2581	20.4345	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	15.7661	17.0779	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	14.5973	15.9433	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	12.1337	13.5267	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	10.7276	12.1301	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	7.8879	9.2910	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	7.6494	9.0672	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	5.1887	5.9108	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	5.1440	5.8426	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	4.9277	5.5151	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	4.6843	5.1489	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	4.6454	5.0907	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	4.6070	5.0331	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	4.1447	4.3481	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	3.9225	4.0235	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	3.3740	3.2383	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	2.4142	1.8640	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	1.2720	0.9025	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	4.9490	5.3515	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	54.0737	61.8079	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	111.6149	129.6552	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	161.8788	184.8798	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	166.8867	190.3372	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	235.4398	264.4418	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	1,282	238.6463	267.8866	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	486.3864	531.8543	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	512.6294	559.2059	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	616.5460	589.6438	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	143,900	578.4990	628.1088	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	618.9483	670.4510	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	14.20 Put	13,600	698.4234	752.3809	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	730.1375	784.9853	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	451.7561	433.5377	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	403.4021	387.5585	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	990.0896	1050.8337	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	1004.6223	1065.6350	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	340.6911	328.1297	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	280.6344	270.9489	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	241.5156	233.6553	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	213.4731	205.9116	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	195.9393	189.1888	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	193.1665	186.5421	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	172.4355	166.7561	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	161.8322	156.6237	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	158.4547	153.3980	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	149.8137	145.1382	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	140.7020	136.4221	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	49.5702	49.4268	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	8.6719	9.2318	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	129.7377	147.6724	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	332.1369	365.2546	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	626.6438	675.7705	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	659.1031	709.3370	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	726.4074	778.7747	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	796.7804	851.0335	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	870.0263	926.1153	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1618.8969	1686.7788	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1763.0520	1831.4237	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	339.3103	333.8688	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	180.0639	182.0135	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	156.5650	158.9557	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	146.3905	148.9468	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	142.8038	145.4111	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.29 Call	81,930	128.3766	131.1701	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	121.3378	120.3669	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.63 Call	33,715	110.4165	109.6487	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	72.9271	72.7753	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	48.6463	61.7923	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	565.0233	610.5582	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	777.7918	830.3019	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	347.5464	346.0309	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	289.8186	290.3623	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	20.00 Call	2,000	109.4906	109.9839	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	11.91 Put	1,000	80.4586	97.2228	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	14.01 Put	1,000	797.3643	852.2826	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	17.73 Call	1,000	396.4836	401.1704	0.0000	0.0000	0	0.00
			<u>4,963,735</u>					<u>1,400.00</u>	<u>0.00</u>
		Total	5,633,944					43,570.00	585,093,890.10
									63 952 334.00
									2 337 935 041 705.60
									0.00

Grand Total			6,956,586					151,650.00	40 540 640 273.10	352,670,103	3,285,797,047,940.93
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