



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 06-February-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Feb 2019	DAEU	Future	29	15.4340	15.3637	0.0000	0.0000	0	0.00		
Mar 2019	DAEU	Future	53	15.5258	15.4549	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	4	15.5801	15.5089	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	1	15.6154	15.5438	0.0000	0.0000	0	0.00		
			<u>87</u>					<u>0.00</u>	<u>0.00</u>	<u>816 079.00</u>	<u>12 203 675 785.40</u>
<b>Option</b>											
Aug 2019	DAEU	19.65 Call	62,400	81.5359	72.7314	0.0000	0.0000	0	0.00		
			<u>62,400</u>					<u>0.00</u>	<u>0.00</u>	<u>1 617 987.00</u>	<u>0.00</u>
		<b>Total</b>	<b>62,487</b>					<b>0.00</b>	<b>0.00</b>	<b>2 434 066.00</b>	<b>12 203 675 785.40</b>
<b>Future</b>											
Feb 2019	DAGB	Future	47	17.5697	17.4376	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	80	17.6559	17.5229	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	43	17.7071	17.5735	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	120	17.7404	17.6063	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	27	17.7495	17.6810	0.0000	0.0000	27	477,387.00		
			<u>317</u>					<u>27.00</u>	<u>477,387.00</u>	<u>66 877.00</u>	<u>1 121 639 544.20</u>
		<b>Total</b>	<b>317</b>					<b>27.00</b>	<b>477,387.00</b>	<b>274 190.00</b>	<b>1 121 639 544.20</b>
<b>Future</b>											
Feb 2019	DAUS	Future	70	13.5095	13.4094	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	6	13.5126	13.4124	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	8,050	13.5221	13.4834	0.0000	0.0000	8,050	108,548,615.00		
Feb 2019	DAUS	Future	5,759	13.5332	13.4319	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	74	13.5394	13.4379	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	80	13.5410	13.4394	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	13.5757	13.4740	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,708	13.5788	13.4771	0.0000	0.0000	83	1,124,152.00		
Apr 2019	DAUS	Future	55	13.5852	13.4834	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	260	13.6064	13.5043	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>
Apr 2019	DAUS	Future	349	13.6246	13.5222	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	15	13.6296	13.5271	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	319	13.6312	13.5287	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	264	13.6835	13.5802	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	74	13.6903	13.5869	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	359	13.7308	13.6268	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	13.7358	13.6317	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	26	13.7868	13.6819	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	13.7885	13.6835	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	65	13.8385	13.7327	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	13.8437	13.7378	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	13.8471	13.7412	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	53	13.8924	13.7843	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	13.8959	13.7876	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	108	13.9463	13.8383	0.0000	0.0000	0	0.00
Nov 2019	DAUS	Future	52	13.9970	13.8876	0.0000	0.0000	52	727,485.20
Dec 2019	DAUS	Future	55	14.0023	13.8927	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.0058	13.8960	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.0562	13.9459	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.1062	13.9987	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.1608	14.0527	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.2157	14.1060	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.2636	14.1525	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.3255	14.2142	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.4280	14.3168	0.0000	0.0000	0	0.00
			<u>109,477</u>					<u>8,185.00</u>	<u>110,400,252.20</u>
									<u>11 048 277.00</u>
									<u>135 867 883 100.90</u>
<b>Option</b>									
Feb 2019	DAUS	13.76 Put	684	292.6808	373.8551	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.81 Call	684	36.5778	20.7943	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.87 Put	22,000	385.5980	473.2673	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.29 Put	25,000	66.3534	0.0000	0.0000	0.0000	25,000	0.00
Feb 2019	DAUS	13.75 Put	25,000	322.2886	393.8287	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	21.5394	36.3268	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.70 Put	600	294.8220	362.7806	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	702.1541	791.8870	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Call	600	30.4912	20.3405	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	747.2912	838.4405	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	13.3482	8.5361	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.75 Call	600	6.4341	3.9871	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	1.7195	1.1659	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	0.8414	0.5816	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.40 Call	50,000	284.1675	225.9946	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	13.50 Call	50,000	230.4833	181.2471	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	499.8649	577.5375	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	8.3804	5.9756	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	489.0314	558.5596	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	577.9325	652.0189	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	77.4192	101.2197	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	234.4647	280.2943	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	195.4760	162.2932	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	740.4431	819.9401	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	781.8263	862.4743	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	87.6477	70.4426	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	57.7004	45.8130	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	14.9084	11.0622	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	7.2190	5.3135	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	425.3404	487.8712	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	112.6679	92.2836	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	124.2829	153.5933	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	454.8729	400.1384	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	775.7949	849.2269	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	814.6805	889.2450	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	101.8208	85.7720	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	42.7693	34.6752	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	29.1254	23.2818	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	164.5630	195.3645	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	808.3800	877.4752	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	845.5521	915.8173	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	142.3191	123.1101	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	70.9615	60.1826	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	52.2292	43.9710	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	196.7228	226.7086	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	833.4494	899.2760	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	869.4520	936.4212	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	173.0823	151.7245	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	94.1176	81.4670	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	72.2675	62.2431	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	229.4704	258.1818	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	858.2276	920.7704	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	893.1629	956.8006	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	206.8112	183.4387	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	120.8216	106.0268	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	95.9573	84.3253	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	1066.9780	1134.8114	0.0000	0.0000	0	0.00

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Aug 2019	DAUS	16.35 Call	3,147	120.7949	106.5006	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	254.6562	284.1719	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	878.8662	940.0373	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	913.0596	975.2650	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	233.6921	209.5077	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	144.4552	128.3655	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	118.5948	106.2770	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	37.4711	31.2294	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	276.7609	307.5353	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	896.1094	957.1699	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	929.6423	991.7107	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	262.2354	236.7936	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	169.4371	151.7859	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	142.8733	128.9793	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	297.5651	329.5505	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	912.0337	972.5601	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	944.9850	1006.4588	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	284.0927	259.2999	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	190.7285	174.7776	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	165.1818	152.0322	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	315.9125	348.7679	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	925.9139	985.8069	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	958.3786	1019.1711	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	306.5865	281.0169	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	213.2034	196.0175	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	187.8338	172.4366	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	333.9760	367.2799	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	938.8009	997.7856	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	970.7757	1030.6218	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	328.8984	302.7708	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	238.1604	219.7700	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	212.1404	195.3159	0.0000	0.0000	0	0.00		
			<u>382,462</u>					<u>25,000.00</u>	<u>0.00</u>	<u>22 613 583.00</u>	<u>0.00</u>
<b>Total</b>			<b>491,939</b>					<b>33,185.00</b>	<b>110,400,252.20</b>	<b>33 661 860.00</b>	<b>135 867 883 100.90</b>
<b>Future</b>											
Mar 2019	EUUS	Future	5	1.1423	1.1456	0.0000	0.0000	0	0.00		
Jun 2019	EUUS	Future	582	1.1509	1.1543	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>
<b>Total</b>			<b>587</b>					<b>0.00</b>	<b>0.00</b>	<b>745 402.00</b>	<b>8 456 173 900.00</b>

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Mar 2019	GBUS	Future	5	1.2995	1.2994	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	5,731	9.6760	9.7476	0.0000	0.0000	50	483,225.00		
Jun 2019	ZAAD	Future	15,741	9.7918	9.8632	0.0000	0.0000	50	488,475.00		
Sep 2019	ZAAD	Future	513	9.9205	9.9908	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.0452	10.1140	0.0000	0.0000	0	0.00		
			22,385					100.00	971,700.00	3 849 239.00	33 725 482 432.10
<b>Option</b>											
Dec 2019	ZAAD	11.00 Call	1,000	185.8853	196.1289	0.0000	0.0000	0	0.00		
			1,000					0.00	0.00	34 377.00	0.00
		<b>Total</b>	<b>23,385</b>					<b>100.00</b>	<b>971,700.00</b>	3 883 616.00	33 725 482 432.10
<b>Future</b>											
Mar 2019	ZACA	Future	500	10.3000	10.2555	0.0000	0.0000	0	0.00		
Jun 2019	ZACA	Future	650	10.4310	10.3856	0.0000	0.0000	0	0.00		
Sep 2019	ZACA	Future	400	10.5725	10.5248	0.0000	0.0000	0	0.00		
			1,550					0.00	0.00	150 363.00	1 491 472 790.10
		<b>Total</b>	<b>1,550</b>					<b>0.00</b>	<b>0.00</b>	150 363.00	1 491 472 790.10
<b>Future</b>											
Mar 2019	ZAEU	Future	139,440	15.4907	15.4200	15.4911	15.4565	717	11,118,179.90		
Jun 2019	ZAEU	Future	29,425	15.7752	15.7025	0.0000	0.0000	30	473,070.00		
Sep 2019	ZAEU	Future	21,578	16.0888	16.0126	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	Future	17,899	16.3898	16.3096	0.0000	0.0000	0	0.00		
			208,342					747.00	11,591,249.90	16 205 079.00	234 149 788 223.70
<b>Option</b>											
Mar 2019	ZAEU	16.00 Call	650	118.0678	100.9248	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	55,000	196.3324	179.5370	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	13.73 Put	17,150	63.8801	70.1781	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	16.15 Put	17,150	760.2494	792.5253	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	20.62 Call	17,150	212.4652	199.3270	0.0000	0.0000	0	0.00		
			107,100					0.00	0.00	10 956 876.00	0.00
		<b>Total</b>	<b>315,442</b>					<b>747.00</b>	<b>11,591,249.90</b>	27 161 955.00	234 149 788 223.70
<b>Future</b>											
Mar 2019	ZAFR	Future	1,143	13.6034	13.5124	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	13.8666	13.7730	0.0000	0.0000	0	0.00		
			1,293					0.00	0.00	626 980.00	6 760 109 369.60

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<b>Total</b>			<b>1,293</b>					<b>0.00</b>	<b>0.00</b>	626 980.00	6 760 109 369.60
<b>Future</b>											
Mar 2019	ZAGB	Future	398,018	17.6230	17.4903	17.6150	17.6150	1,005	17,607,575.00		
Jun 2019	ZAGB	Future	5,824	17.8907	17.7547	17.8583	17.8583	1	17,858.30		
Sep 2019	ZAGB	Future	15,609	18.1829	18.0417	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	Future	12,690	18.4594	18.3134	0.0000	0.0000	0	0.00		
			<b>432,141</b>					<b>1,006.00</b>	<b>17,625,433.30</b>	<b>13 852 176.00</b>	<b>236 898 878 378.80</b>
<b>Option</b>											
Mar 2019	ZAGB	18.00 Put	500	570.8298	662.1529	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	19.00 Call	2,500	33.9817	24.7975	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	19.19 Put	1,000	1590.3331	1716.4908	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.00 Call	500	6.6586	4.9980	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.18 Call	1,500	5.3063	4.0651	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	1.8752	1.6314	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	18.00 Call	1,000	584.9127	514.1764	0.0000	0.0000	0	0.00		
			<b>7,500</b>					<b>0.00</b>	<b>0.00</b>	<b>1 784 813.00</b>	<b>0.00</b>
<b>Total</b>			<b>439,641</b>					<b>1,006.00</b>	<b>17,625,433.30</b>	<b>15 636 989.00</b>	<b>236 898 878 378.80</b>
<b>Future</b>											
Mar 2019	ZAJY	Future	10,000	0.1240	0.1228	0.0000	0.0000	0	0.00		
			<b>10,000</b>					<b>0.00</b>	<b>0.00</b>	<b>1 091 937.00</b>	<b>12 363 272 053.60</b>
<b>Total</b>			<b>10,000</b>					<b>0.00</b>	<b>0.00</b>	<b>1 091 937.00</b>	<b>12 363 272 053.60</b>
<b>Future</b>											
Jun 2019	ZAKS	Future	2,166	0.1342	0.1326	0.0000	0.0000	0	0.00		
			<b>2,166</b>					<b>0.00</b>	<b>0.00</b>	<b>38 066.00</b>	<b>515 662 000.00</b>
<b>Total</b>			<b>2,166</b>					<b>0.00</b>	<b>0.00</b>	<b>38 066.00</b>	<b>515 662 000.00</b>
<b>Future</b>											
Sep 2019	ZANZ	Future	646	9.5385	9.5212	0.0000	0.0000	0	0.00		
			<b>646</b>					<b>0.00</b>	<b>0.00</b>	<b>146 792.00</b>	<b>1 127 677 204.60</b>
<b>Total</b>			<b>646</b>					<b>0.00</b>	<b>0.00</b>	<b>166 792.00</b>	<b>1 127 677 204.60</b>
<b>Future</b>											
Mar 2019	ZASD	Future	1,200	10.0249	9.9655	0.0000	0.0000	0	0.00		
			<b>1,200</b>					<b>0.00</b>	<b>0.00</b>	<b>10 726.00</b>	<b>109 054 884.50</b>
<b>Total</b>			<b>1,200</b>					<b>0.00</b>	<b>0.00</b>	<b>10 726.00</b>	<b>109 054 884.50</b>
<b>Future</b>											
Mar 2019	ZATR	Future	30,000	2.5380	2.5286	0.0000	0.0000	255	645,787.50		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
			30,000					255.00	645,787.50	426 585.00	1 336 566 339.90
		<b>Total</b>	<b>30,000</b>					<b>255.00</b>	<b>645,787.50</b>	426 585.00	1 336 566 339.90
<b>Future</b>											
Mar 2019	ZAUM	Future	422	13.5615	13.4598	0.0000	0.0000	0	0.00		
Jun 2019	ZAUM	Future	10	13.7072	13.6035	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	533,047	13.5615	13.4598	13.5750	13.4900	43,382	586,807,691.20		
Jun 2019	ZAUS	Future	104,115	13.7072	13.6035	13.6906	13.6759	2,790	38,216,622.60		
Sep 2019	ZAUS	Future	14,320	13.8680	13.7612	0.0000	0.0000	21	288,960.00		
Dec 2019	ZAUS	Future	10,100	14.0215	13.9114	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	4,566	14.1856	14.0768	0.0000	0.0000	0	0.00		
			666,148					46,193.00	625,313,273.80	194 935 725.00	2 350 673 260 502.40
<b>Option</b>											
Mar 2019	ZAUS	10.33 Put	1,000	0.0275	0.0381	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	11.74 Put	1,000	1.0690	1.6781	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.47 Put	721	10.9208	15.3593	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.51 Put	720	12.3551	17.2180	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.80 Put	7,520	29.3946	38.6931	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.90 Put	16,000	39.1472	55.7616	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.92 Put	139,342	42.2670	59.7561	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.00 Put	15,434	56.6183	77.8320	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.05 Put	1,155	67.2170	90.9242	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.12 Put	138,000	84.3314	111.7123	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.15 Put	10,125	92.5168	121.5285	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.25 Put	225,407	123.6751	158.3118	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.33 Put	135,043	153.0475	192.3209	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.36 Put	134,750	165.1036	206.1323	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.46 Put	20,000	209.4246	256.6315	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.50 Call	245	290.4275	239.5417	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.50 Put	12,050	228.9275	279.7417	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.55 Put	10,000	254.7140	309.9843	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.60 Call	500	244.9812	201.4738	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.60 Put	6,570	283.4812	341.6738	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.62 Put	6,432	295.4062	354.7384	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.68 Put	14,200	332.5712	395.2031	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.70 Put	2,500	345.4076	409.1003	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.72 Put	10,000	358.4605	423.1938	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.79 Put	262,812	405.7804	473.9959	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	13.82 Put	2,100	426.8059	496.4365	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	448.2558	519.2546	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	455.4968	526.9419	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	484.9052	558.0819	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	134.1201	107.6431	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	122.8283	98.2733	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	29,200	561.3283	638.4733	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	592.9630	671.5570	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	86.2619	67.9943	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	78.9640	61.8551	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	793.2431	878.6391	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	72.0511	56.2659	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	810.5511	896.4659	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	854.2339	941.3790	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	934.2204	1023.3577	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	943.2064	1032.5485	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	53.7110	41.5547	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	51.7755	40.0130	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	49.9094	38.5285	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	988.4094	1078.7285	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	1015.7380	1106.6063	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	1043.2108	1134.6033	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	1126.4270	1219.2471	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	1210.6964	1304.7478	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	28.8805	21.9565	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	1276.8632	1371.6903	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	1286.3556	1381.2314	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	1295.8575	1390.7819	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1305.3693	1400.3416	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	19.4645	14.2164	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1496.3537	1593.2225	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1554.1744	1651.6128	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1573.5064	1671.1208	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1583.1828	1680.8827	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	13.4542	9.7795	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1641.3776	1739.5566	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1651.0984	1749.3519	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	12.0573	8.7557	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	11.2876	8.1924	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1768.1724	1867.2137	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	8.1008	5.8706	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	7.2483	5.2521	0.0000	0.0000	0	0.00



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Mar 2019	ZAUS	15.46 Call	108	7.0886	5.1364	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	3,050	6.4837	4.6983	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	5.9296	4.2976	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	4.5319	3.2887	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	3.2347	2.3544	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	3.0924	2.2520	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	2.7015	1.9707	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	2.1083	1.5440	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	1.5729	1.1584	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	1.4054	1.1083	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	1.1948	1.1048	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	1.1896	1.1049	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	1.1857	1.1124	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	1.1860	1.1137	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	1.2076	1.1515	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	1.2086	1.1529	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	1.2141	1.1603	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	1.2213	1.1697	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	1.2225	1.1714	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	1.2238	1.1730	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	1.2423	1.1960	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	1.2535	1.2096	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	1.2904	1.2522	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	0.6646	0.4556	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	0.2943	0.1962	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	3.3019	4.2858	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	44.8039	52.6461	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	95.8400	114.7126	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	116.4650	138.0177	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	175.4365	204.2837	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	181.3697	211.2280	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	268.3550	305.9170	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	272.4321	310.3172	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	10,000	593.2354	535.4002	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	544.8198	490.0896	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	571.1728	628.8677	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	602.7911	661.9079	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	422.8455	378.8200	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	395.4171	353.5661	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	1,000	388.8396	347.5181	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	143,900	681.6396	744.0181	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	729.4710	793.6577	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	14.20 Put	13,600	821.6419	889.0050	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	858.1810	926.7012	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	290.1524	257.1941	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	273.7347	242.2854	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	239.6634	211.5611	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	1152.7709	1229.3451	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	1169.0133	1245.9682	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	196.8447	173.1287	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	20,000	170.2644	149.3735	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	157.2546	136.9128	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	130.6493	113.2260	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	112.4760	97.1208	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	101.8986	87.7793	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	100.2457	86.3196	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	88.0309	75.5674	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	81.8938	70.1790	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	79.9541	68.4789	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	75.0322	64.1675	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	69.8996	59.6775	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	19.1327	13.7241	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	7.7628	9.1342	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	132.2167	151.3495	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	319.5296	355.0468	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	360.8894	398.9677	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	772.2837	713.4725	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	581.4699	630.6441	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	739.6649	795.6321	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	758.4045	815.0340	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	895.1240	956.1791	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1796.6467	1875.7301	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1948.3293	2029.7168	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	214.6127	192.7204	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	111.2266	100.0323	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	96.2185	86.3991	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	89.8079	80.5839	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	87.5600	77.6362	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	63.1329	52.7999	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	65.8150	77.3572	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	614.3437	663.8289	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	850.2642	907.5602	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	231.0239	214.0459	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	195.4358	180.8943	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	20.00 Call	2,000	58.2938	50.0403	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	74.0047	90.5700	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	856.6489	909.7201	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	283.6400	265.2438	0.0000	0.0000	0	0.00		
			<u>4,473,293</u>					<u>0.00</u>	<u>0.00</u>	<u>64 645 325.00</u>	<u>0.00</u>
	<b>Total</b>		<b>5,139,441</b>					<b>46,193.00</b>	<b>625,313,273.80</b>	<b>259 581 050.00</b>	<b>2 350 673 260 502.40</b>

<b>Grand Total</b>		<b>6,520,531</b>					<b>81,513.00</b>	<b>767 025 083.70</b>	<b>354,983,308</b>	<b>3,263,014,174,366.13</b>
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