



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 15-April-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
Apr 2019	DAEU	Future	0	15.8119	15.7847	0.0000	0.0000	4	63,247.60
Apr 2019	DAEU	Future	1	15.8814	15.8195	0.0000	0.0000	0	0.00
May 2019	DAEU	Future	2	15.9937	15.9310	0.0000	0.0000	0	0.00
			<u>3</u>					<u>4.00</u>	<u>63,247.60</u>
									<u>816 224.00</u>
									<u>12 206 024 302.80</u>
<b>Option</b>									
Feb 2020	DAEU	16.65 Call	21,000	962.2214	936.8302	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	854.2710	832.2968	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	820.0242	799.0783	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	794.3739	774.2054	0.0000	0.0000	0	0.00
			<u>66,000</u>					<u>0.00</u>	<u>0.00</u>
									<u>1 812 387.00</u>
									<u>0.00</u>
	<b>Total</b>		<b>66,003</b>					<b>4.00</b>	<b>63,247.60</b>
									<b>2 628 611.00</b>
									<b>12 206 024 302.80</b>
<b>Future</b>									
Apr 2019	DAGB	Future	0	18.3256	18.2725	0.0000	0.0000	43	788,000.80
Apr 2019	DAGB	Future	120	18.4049	18.3060	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	18.4141	18.3152	0.0000	0.0000	0	0.00
May 2019	DAGB	Future	91	18.5130	18.4132	0.0000	0.0000	0	0.00
Jun 2019	DAGB	Future	32	18.6003	18.4997	0.0000	0.0000	0	0.00
			<u>270</u>					<u>43.00</u>	<u>788,000.80</u>
									<u>67 279.00</u>
									<u>1 129 196 722.00</u>
	<b>Total</b>		<b>270</b>					<b>43.00</b>	<b>788,000.80</b>
									<b>274 592.00</b>
									<b>1 129 196 722.00</b>
<b>Future</b>									
Apr 2019	DAUS	Future	0	13.9894	13.9472	0.0000	0.0000	1,883	26,342,040.20
Apr 2019	DAUS	Future	349	14.0274	13.9650	0.0000	0.0000	36	502,596.00
Apr 2019	DAUS	Future	15	14.0323	13.9699	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	4,563	14.0340	13.9715	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	32,500	14.0452	13.9829	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	25,000	14.0485	13.9862	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	93	14.0551	13.9927	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	2	14.0584	13.9959	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>		
May 2019	DAUS	Future	387	14.0818	14.0188	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	91	14.0851	14.0221	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.0918	14.0286	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	2,381	14.1316	14.0680	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.1365	14.0729	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	982	14.1867	14.1229	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.1884	14.1246	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	2,216	14.2376	14.1736	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.2427	14.1787	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.2461	14.1820	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	3,757	14.2613	14.1973	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	98	14.2905	14.2263	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.2940	14.2297	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	153	14.3438	14.2792	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	Future	97	14.3938	14.3291	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.3991	14.3343	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.4025	14.3377	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	45	14.4491	14.3840	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.4525	14.3874	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.5029	14.4376	0.0000	0.0000	0	0.00		
Feb 2020	DAUS	Future	3,500	14.5519	14.4859	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.5571	14.4910	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6112	14.5449	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6597	14.5960	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.7223	14.6633	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.8263	14.7703	0.0000	0.0000	0	0.00		
			<u>162,303</u>					<u>1,919.00</u>	<u>26,844,636.20</u>	<u>12 096 524.00</u>	<u>150 815 895 517.50</u>
<b>Option</b>											
Apr 2019	DAUS	14.40 Call	20,000	3.8942	8.2580	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.44 Call	60,000	3.0528	6.9230	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.45 Call	40,000	2.8766	6.6299	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Call	25,000	47.5481	46.7464	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.50 Call	50,000	11.3196	13.1874	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.55 Call	25,000	8.9009	10.6680	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	1.0289	2.1426	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	558.3653	506.6590	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.95 Put	734	112.4933	156.5777	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Call	734	87.3635	89.0620	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Put	250	253.3635	317.5620	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.25 Put	250	289.6593	355.4546	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.45 Call	734	35.9221	42.2046	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	8.4520	12.5535	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	15.61 Call	250	0.7768	1.1516	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	0.2302	0.3990	0.0000	0.0000	0	0.00
May 2019	DAUS	13.75 Put	22,000	73.1383	103.8521	0.0000	0.0000	0	0.00
May 2019	DAUS	13.95 Call	20,000	243.5789	226.3116	0.0000	0.0000	0	0.00
May 2019	DAUS	14.03 Call	65,000	203.1142	191.2620	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	399.5004	369.9552	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	150.9692	145.3983	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	189.0715	179.9384	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	30.9333	32.1519	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	19.2906	20.2015	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	16.5927	21.9180	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	363.8629	415.1569	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	396.0165	448.6912	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	72.0763	72.0257	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	19.2920	19.7715	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	9.4227	9.9506	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	192.3769	228.3865	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	299.7161	344.8280	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	350.3802	399.3575	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	0	412.3892	464.1618	0.0000	0.0000	36,000	0.00
Jun 2019	DAUS	13.00 Put	500	29.2823	36.2649	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	314.3320	355.5644	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	413.2796	462.0494	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	444.1025	494.1031	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	111.6921	110.4486	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	92.8314	92.4533	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	42.6403	43.0542	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	26.8826	27.6553	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	53.3109	64.0047	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	461.5674	507.1564	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	491.3719	538.0797	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	156.3077	153.4188	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	75.0687	74.8532	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	54.3823	54.7068	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	653.2291	702.8360	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	77.9567	77.5095	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	77.5054	88.7223	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	499.2776	541.2392	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	527.5337	571.3683	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	189.3081	184.7632	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	101.6019	100.2135	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	77.4419	76.8651	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Sep 2019	DAUS	19.00 Call	20,000	19.9693	20.1587	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	100.1935	111.7466	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	529.7646	569.2743	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	557.6078	598.1381	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	221.3350	215.4870	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	127.8726	125.5081	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	100.0123	98.6011	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	122.0997	134.2131	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	558.9252	597.2263	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	586.4963	625.7480	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	248.7547	241.8018	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	152.3939	149.1575	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	122.7761	120.5856	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	140.8726	153.4669	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	583.1328	620.1239	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	610.4477	648.3848	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	275.0479	267.6188	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	175.6409	171.9164	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	144.7147	143.1987	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	159.3576	173.1293	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	604.0243	641.5980	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	631.2027	669.5864	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	299.1892	292.2625	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	198.9411	195.6707	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	168.8082	169.0910	0.0000	0.0000	0	0.00		
			<u>739,496</u>					<u>36,000.00</u>	<u>0.00</u>	<u>24 725 994.00</u>	<u>0.00</u>
<b>Total</b>			<b>901,799</b>					<b>37,919.00</b>	<b>26,844,636.20</b>	<b>36 822 518.00</b>	<b>150 815 895 517.50</b>
<b>Future</b>											
Jun 2019	EUUS	Future	5	1.1368	1.1375	0.0000	0.0000	0	0.00		
Sep 2019	EUUS	Future	143	1.1458	1.1464	0.0000	0.0000	0	0.00		
			<u>148</u>					<u>0.00</u>	<u>0.00</u>	<u>746 137.00</u>	<u>8 464 558 774.00</u>
<b>Total</b>			<b>148</b>					<b>0.00</b>	<b>0.00</b>	<b>746 137.00</b>	<b>8 464 558 774.00</b>
<b>Future</b>											
Jun 2019	GBUS	Future	350	1.3153	1.3141	0.0000	0.0000	0	0.00		
			<u>350</u>					<u>0.00</u>	<u>0.00</u>	<u>176 520.00</u>	<u>2 273 259 237.00</u>
<b>Total</b>			<b>350</b>					<b>0.00</b>	<b>0.00</b>	<b>176 520.00</b>	<b>2 273 259 237.00</b>
<b>Future</b>											
Jun 2019	ZAAD	Future	26,777	10.1368	10.0943	0.0000	0.0000	0	0.00		
Sep 2019	ZAAD	Future	1,731	10.2698	10.2265	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
	Dec 2019	ZAAD	Future	400	10.3993	10.3545	0.0000	0.0000	0	0.00	
				<u>28,908</u>					0.00	0.00	3 887 460.00
Option											34 116 547 028.40
	Dec 2019	ZAAD	11.00 Call	1,000	204.3533	197.0870	0.0000	0.0000	0	0.00	
				<u>1,000</u>					0.00	0.00	34 377.00
			<b>Total</b>	<b>29,908</b>					<b>0.00</b>	<b>0.00</b>	3 921 837.00
											34 116 547 028.40
Future											
	Jun 2019	ZACA	Future	2,200	10.5669	10.5513	0.0000	0.0000	0	0.00	
	Sep 2019	ZACA	Future	1,165	10.7086	10.6926	0.0000	0.0000	0	0.00	
				<u>3,365</u>					0.00	0.00	158 248.00
			<b>Total</b>	<b>3,365</b>					<b>0.00</b>	<b>0.00</b>	158 248.00
											1 577 210 800.10
Future											
	Jun 2019	ZADK	Future	235	2.1495	2.1411	0.0000	0.0000	0	0.00	
				<u>235</u>					0.00	0.00	14 810.00
			<b>Total</b>	<b>235</b>					<b>0.00</b>	<b>0.00</b>	14 810.00
											319 921 189.00
Future											
	Jun 2019	ZAEU	Future	121,682	16.0390	15.9757	16.0100	15.9468	23	368,040.40	
	Sep 2019	ZAEU	Future	42,882	16.3467	16.2821	0.0000	0.0000	0	0.00	
	Dec 2019	ZAEU	Future	32,686	16.6406	16.5741	0.0000	0.0000	0	0.00	
	Mar 2020	ZAEU	Future	4,361	16.9634	16.8942	0.0000	0.0000	0	0.00	
				<u>201,611</u>					23.00	368,040.40	16 712 866.00
											242 510 844 320.50
Option											
	Jun 2019	ZAEU	15.35 Put	570	89.0299	111.4485	0.0000	0.0000	0	0.00	
	Jun 2019	ZAEU	16.64 Call	300	166.6407	161.2541	0.0000	0.0000	0	0.00	
	Jun 2019	ZAEU	16.73 Put	500	839.6932	898.5754	0.0000	0.0000	0	0.00	
	Sep 2019	ZAEU	15.62 Put	14,429	249.7587	280.9516	0.0000	0.0000	0	0.00	
	Sep 2019	ZAEU	15.85 Put	587	339.1101	375.2779	0.0000	0.0000	0	0.00	
	Sep 2019	ZAEU	18.27 Call	14,429	152.8140	150.0983	0.0000	0.0000	0	0.00	
	Dec 2019	ZAEU	13.73 Put	17,150	33.9399	36.8180	0.0000	0.0000	0	0.00	
	Dec 2019	ZAEU	14.09 Put	136,646	52.2477	56.7216	0.0000	0.0000	0	0.00	
	Dec 2019	ZAEU	14.23 Put	61,500	61.4403	66.7027	0.0000	0.0000	0	0.00	
	Dec 2019	ZAEU	15.70 Put	136,646	322.6494	349.7406	0.0000	0.0000	0	0.00	
	Dec 2019	ZAEU	15.85 Put	61,500	376.9258	408.2867	0.0000	0.0000	0	0.00	
	Dec 2019	ZAEU	16.15 Put	17,150	508.7486	545.3311	0.0000	0.0000	0	0.00	
	Dec 2019	ZAEU	19.79 Call	136,646	163.7223	161.4041	0.0000	0.0000	0	0.00	
	Dec 2019	ZAEU	19.80 Call	61,500	163.0053	160.7046	0.0000	0.0000	0	0.00	
	Dec 2019	ZAEU	20.62 Call	17,150	128.2858	128.4236	0.0000	0.0000	0	0.00	
				<u>676,703</u>					0.00	0.00	12 048 500.00
											0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Total</b>			<b>878,314</b>					<b>23.00</b>	<b>368,040.40</b>	28 761 366.00	242 510 844 320.50
<b>Future</b>											
Jun 2019	ZAFR	Future	1,093	14.1436	14.1146	0.0000	0.0000	0	0.00		
Sep 2019	ZAFR	Future	300	14.4290	14.3995	0.0000	0.0000	0	0.00		
			<u>1,393</u>					<u>0.00</u>	<u>0.00</u>	633 002.00	6 847 394 595.90
<b>Total</b>			<b>1,393</b>					<b>0.00</b>	<b>0.00</b>	633 002.00	6 847 394 595.90
<b>Future</b>											
Jun 2019	ZAGB	Future	119,104	18.5566	18.4562	18.4208	18.4077	11,682	215,766,917.90		
Sep 2019	ZAGB	Future	23,418	18.8507	18.7479	18.7998	18.7877	1,000	18,793,750.00		
Dec 2019	ZAGB	Future	12,845	19.1272	19.0231	0.0000	0.0000	0	0.00		
Mar 2020	ZAGB	Future	4,674	19.4265	19.3192	0.0000	0.0000	0	0.00		
			<u>160,041</u>					<u>12,682.00</u>	<u>234,560,667.90</u>	14 708 167.00	252 985 279 572.10
<b>Option</b>											
Jun 2019	ZAGB	18.00 Call	1,000	737.2911	681.5144	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	19.15 Put	500	860.5252	937.1747	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	18.75 Put	500	695.7995	753.0715	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	22.13 Call	500	206.7724	198.5562	0.0000	0.0000	0	0.00		
			<u>2,500</u>					<u>0.00</u>	<u>0.00</u>	1 790 813.00	0.00
<b>Total</b>			<b>162,541</b>					<b>12,682.00</b>	<b>234,560,667.90</b>	16 498 980.00	252 985 279 572.10
<b>Future</b>											
Jun 2019	ZAKS	Future	2,166	0.1380	0.1375	0.0000	0.0000	0	0.00		
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	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	646	9.6688	9.6426	0.0000	0.0000	0	0.00		
			<u>646</u>					<u>0.00</u>	<u>0.00</u>	147 042.00	1 130 048 204.60
<b>Total</b>			<b>646</b>					<b>0.00</b>	<b>0.00</b>	167 042.00	1 130 048 204.60
<b>Future</b>											
Jun 2019	ZATR	Future	3,646	2.3348	2.3475	0.0000	0.0000	0	0.00		
			<u>3,646</u>					<u>0.00</u>	<u>0.00</u>	556 277.00	1 668 453 313.10
<b>Total</b>			<b>3,646</b>					<b>0.00</b>	<b>0.00</b>	556 277.00	1 668 453 313.10
<b>Future</b>											
Jun 2019	ZAUM	Future	449	14.1085	14.0450	0.0000	0.0000	0	0.00		
			<u>449</u>					<u>0.00</u>	<u>0.00</u>	156 783.00	182 277 396 240.00
<b>Total</b>			<b>449</b>					<b>0.00</b>	<b>0.00</b>	161 306.00	182 277 396 240.00

<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>	
<b>Future</b>										
Jun 2019	ZAUS	Future	866,737	14.1085	14.0450	14.1279	14.0036	32,707	459,708,452.30	
Sep 2019	ZAUS	Future	27,028	14.2665	14.2024	14.2550	14.2306	512	7,286,360.00	
Dec 2019	ZAUS	Future	22,753	14.4182	14.3534	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	Future	10,345	14.5815	14.5151	0.0000	0.0000	0	0.00	
Jun 2020	ZAUS	Future	700	14.7407	14.6830	0.0000	0.0000	0	0.00	
			<u>927,563</u>					<u>33,219.00</u>	<u>466,994,812.30</u>	<u>202 713 253.00      2 462 266 032 002.00</u>
<b>Option</b>										
Jun 2019	ZAUS	10.69 Put	1,000	0.1056	0.1500	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.28 Put	1,000	3.2320	3.9581	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.65 Put	1,050	7.3993	8.6631	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.75 Put	1,000	9.9257	12.5838	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.92 Put	2,100	17.7344	22.6560	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.98 Put	911	21.5129	27.4972	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.00 Put	165,703	22.9137	29.2862	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.10 Put	14,000	31.1046	39.6839	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.22 Put	122,704	43.9614	55.8023	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.24 Put	30,000	46.4703	58.9206	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.25 Put	4,582	47.7682	60.5292	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.28 Put	122,704	51.8333	65.5590	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.30 Put	143,800	54.6945	69.0858	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.35 Put	4,317	62.3946	78.5294	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.50 Call	7,500	701.9704	661.3573	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.60 Call	700	629.0733	592.4083	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.60 Put	700	120.5733	147.4083	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.83 Put	25,000	201.4072	237.4572	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.90 Call	100	439.7957	415.0696	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.91 Put	1,000	235.7676	274.9233	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.98 Call	1,000	396.9824	375.2615	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.00 Call	15,000	386.7814	365.7897	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.00 Put	301,700	278.2814	320.7897	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.06 Put	2,100	308.8577	353.7322	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.07 Put	39,589	314.1275	359.5778	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.20 Put	13,600	389.5343	439.6162	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.25 Put	1,982	420.8983	472.3107	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.30 Put	30,000	453.3385	505.9975	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.35 Call	1,050	245.3120	235.6351	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.42 Call	30	223.8260	215.6432	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.58 Call	1,000	181.3065	175.9931	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.63 Put	8,203	691.2276	750.1653	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.65 Put	1,000	706.8041	766.0251	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	14.66 Call	122,704	163.1358	158.9947	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.72 Call	122,704	150.7126	147.3471	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	2,000	144.8638	141.8542	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.78 Call	0	139.2454	136.4423	0.0000	0.0000	500	0.00
Jun 2019	ZAUS	14.82 Call	30,000	132.0215	129.5488	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	103.6628	102.6547	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	90.6836	90.2745	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	69.5493	69.9849	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	67.7419	68.2406	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	53.5596	53.4974	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	46.9095	46.9917	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	45.3683	45.4822	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	42.4241	42.5952	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	41.0185	41.2154	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	36.4301	36.7019	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	32.3192	32.6472	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	27.6639	28.0413	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	26.2569	26.6452	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	22.8234	23.2331	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	19.4659	19.8842	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	2.8126	3.3327	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	3.4522	3.4756	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	40.8115	44.6275	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	69.6938	78.9433	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	93.4098	105.2079	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	118.3330	132.6043	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	140.4953	156.8259	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	876.5026	839.1534	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	279.2458	307.2724	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.75 Put	1,000	299.3116	328.6108	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	307.5691	337.3747	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.80 Put	14,000	320.1979	350.7705	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.90 Put	5,908	364.4167	397.5109	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.92 Put	2,149	373.6469	407.2460	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	397.2887	432.1296	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	411.8582	447.4363	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.04 Call	1,000	658.2227	630.6802	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	472.9481	511.4320	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	521.6655	562.3813	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.25 Call	500	560.5934	0.0000	0.0000	0.0000	500	0.00
Sep 2019	ZAUS	14.30 Put	9,783	573.5948	616.7063	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	609.9389	654.1707	0.0000	0.0000	0	0.00



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Sep 2019	ZAUS	14.46 Put	17,287	672.7312	718.7393	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	14,000	465.0951	447.6850	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Put	14,000	698.5951	745.2850	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	799.1961	848.2696	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.70 Put	1,000	833.9324	883.7509	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.75 Call	1,000	385.7449	372.1741	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.82 Put	1,000	919.6090	971.0940	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	941.5151	993.3895	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	320.2680	310.0213	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	313.2822	303.3731	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	284.8698	276.3190	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1356.5172	1414.0391	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	221.5452	215.9544	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1507.3656	1566.2239	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	171.3935	167.2060	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.66 Call	2,149	98.8396	97.3811	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.67 Call	14,000	98.1825	96.7449	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	73.4789	73.2869	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	71.3051	71.1767	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	69.5664	69.4874	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	57.4662	57.7005	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	52.5040	52.8500	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	50.7941	51.1771	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	41.3581	41.4941	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	26.3385	28.5024	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	125.9090	135.0892	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	149.5903	162.3987	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.03 Put	69,000	156.0853	169.3721	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	340.5654	365.5455	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	397.8662	426.8337	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	461.6149	493.3188	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	34,000	490.5073	523.3623	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	525.3751	559.5666	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	530.4603	564.8399	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	540.7017	575.4563	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.11 Put	24,055	545.8623	580.8038	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.12 Put	69,000	551.0433	586.1759	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	711.9639	752.4890	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	337.5228	329.0406	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	283.2421	276.2135	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.20 Call	50,100	272.9677	266.3050	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.25 Call	21,000	265.8952	259.4797	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	16.35 Call	4,150	252.3769	246.4377	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.37 Call	500	249.7713	243.9200	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.55 Call	24,055	227.6867	222.6025	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.85 Call	1,351	195.8346	191.8213	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.99 Call	69,000	182.8249	179.2418	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.02 Call	139,860	180.1773	176.6810	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	153.7335	153.5193	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	50.1341	48.5991	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	31.8855	35.2031	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	12.96 Put	277,778	189.1032	204.0649	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.06 Put	275,862	214.9837	231.2790	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.19 Put	272,897	249.9725	267.3657	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.78 Put	60,000	448.8370	475.7384	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	552.2685	584.8227	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.40 Put	277,778	758.3400	797.1551	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.51 Put	275,862	822.1300	862.5767	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.66 Put	272,897	912.8106	955.1796	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.60 Call	277,778	360.0308	352.4540	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.81 Call	275,862	330.6848	324.1750	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.04 Call	272,897	301.9031	296.4270	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	240.1877	240.3410	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.88 Call	60,000	232.4510	232.9544	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	11.90 Put	900	55.1048	59.7536	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	14.25 Put	900	718.1162	752.7804	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	17.26 Call	900	402.3111	400.3634	0.0000	0.0000	0	0.00		
			<u>5,858,642</u>					<u>1,000.00</u>	<u>0.00</u>	<u>71 813 316.00</u>	<u>0.00</u>
	<b>Total</b>		<b>6,786,205</b>					<b>34,219.00</b>	<b>466,994,812.30</b>	<b>274 526 569.00</b>	<b>2 462 266 032 002.00</b>
	<b>Grand Total</b>		<b>8,837,438</b>					<b>84,890.00</b>	<b>729 619 405.20</b>	<b>375,475,001</b>	<b>3,415,050,143,155.82</b>