



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 03-April-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
Apr 2019	DAEU	Future	4	15.9362	15.9600	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	1	15.9718	15.9954	0.0000	0.0000	0	0.00
May 2019	DAEU	Future	2	16.0857	16.1094	0.0000	0.0000	0	0.00
			<u>7</u>					<i>0.00</i>	<i>0.00</i>
									<i>816 216.00</i>
									<i>12 205 897 911.20</i>
<b>Option</b>									
Feb 2020	DAEU	16.65 Call	21,000	1080.3428	1097.8378	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	967.9346	984.3901	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	931.8438	947.9285	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	904.7579	920.5423	0.0000	0.0000	0	0.00
			<u>66,000</u>					<i>0.00</i>	<i>0.00</i>
									<i>1 812 387.00</i>
									<i>0.00</i>
		<b>Total</b>	<b>66,007</b>					<b>0.00</b>	<b>0.00</b>
									<b>2 628 603.00</b>
									<b>12 205 897 911.20</b>
<b>Future</b>									
Apr 2019	DAGB	Future	43	18.6625	18.5846	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	120	18.6971	18.6189	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	18.7067	18.6283	0.0000	0.0000	0	0.00
May 2019	DAGB	Future	91	18.8079	18.7293	0.0000	0.0000	0	0.00
			<u>281</u>					<i>0.00</i>	<i>0.00</i>
									<i>67 179.00</i>
									<i>1 127 353 682.20</i>
		<b>Total</b>	<b>281</b>					<b>0.00</b>	<b>0.00</b>
									<b>274 492.00</b>
									<b>1 127 353 682.20</b>
<b>Future</b>									
Apr 2019	DAUS	Future	30,000	14.1585	14.2296	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	2,025	14.1602	14.2313	0.0000	0.0000	1,972	27,875,206.00
Apr 2019	DAUS	Future	1,830	14.1773	14.2485	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	349	14.1958	14.2669	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	15	14.2010	14.2720	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	4,563	14.2027	14.2737	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	303	14.2146	14.2856	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	25,000	14.2180	14.2890	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	93	14.2248	14.2959	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
May 2019	DAUS	Future	4,322	14.2282	14.2993	0.0000	0.0000	4,320	61,623,936.00
May 2019	DAUS	Future	387	14.2519	14.3232	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	452	14.2553	14.3266	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	74	14.2621	14.3335	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	2,421	14.3031	14.3745	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.3083	14.3797	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	1,029	14.3598	14.4315	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.3615	14.4332	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	2,229	14.4113	14.4830	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.4165	14.4882	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	14.4199	14.4918	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	3,617	14.4356	14.5079	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	98	14.4652	14.5383	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.4687	14.5419	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	153	14.5199	14.5929	0.0000	0.0000	0	0.00
Nov 2019	DAUS	Future	97	14.5713	14.6455	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.5766	14.6509	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.5802	14.6545	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	45	14.6278	14.7033	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.6313	14.7069	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.6840	14.7594	0.0000	0.0000	0	0.00
Feb 2020	DAUS	Future	3,500	14.7348	14.8104	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.7403	14.8158	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.7973	14.8722	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.8489	14.9229	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.9140	14.9869	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.0206	15.0945	0.0000	0.0000	0	0.00
			<u>168,602</u>					<u>6,292.00</u>	<u>89,499,142.00</u>
									<u>12 011 370.00</u>
									<u>149 615 565 104.90</u>
<b>Option</b>									
Apr 2019	DAUS	14.00 Call	30,000	167.9594	242.9406	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.68 Call	6,000	0.2303	5.5562	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	2.5828	3.1066	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	21.1473	45.1605	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.40 Put	35,000	255.5916	203.7057	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.40 Call	20,000	84.7872	114.0071	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.44 Call	60,000	74.7135	101.7459	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.45 Call	40,000	72.3658	98.8651	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Call	25,000	189.8379	230.5623	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.50 Call	50,000	92.2812	116.6019	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.55 Call	25,000	81.4040	103.5982	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	4.7914	4.4034	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	731.6161	799.4858	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	13.95 Put	734	115.8490	95.8740	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Call	734	230.0620	269.7631	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	227.3620	196.0631	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	256.3812	221.4039	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.45 Call	734	141.0300	168.0347	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	63.6484	77.8243	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	11.5812	14.8668	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	5.2260	6.8804	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	576.5710	634.3047	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	280.5208	321.4719	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	314.7755	353.8403	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	77.5922	89.8306	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	54.4343	63.3430	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	16.9239	14.4577	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	336.0738	306.8472	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	362.6920	332.0882	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	147.1351	166.2499	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	56.1075	64.8681	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	34.2520	39.7021	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	194.1863	171.8741	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	288.4261	260.5419	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	331.4548	301.4054	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	18,000	383.2448	350.8247	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	40.8121	31.5757	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	305.6181	276.5975	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	392.2642	359.3376	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	418.4820	384.4976	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	193.9970	212.2219	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	166.3741	182.3181	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	91.1018	100.6130	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	64.3089	71.0263	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	67.7261	56.2526	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	442.6357	409.6319	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	468.6818	434.7747	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	242.3814	260.8223	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	130.2392	141.1934	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	98.8276	107.3685	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	615.8115	576.6826	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	130.4520	141.0319	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	91.4699	80.8503	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	480.2571	447.2658	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	506.1518	472.3179	0.0000	0.0000	0	0.00

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Aug 2019	DAUS	15.52 Call	500	275.0357	293.3182	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	159.6047	171.6432	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	125.3232	135.0524	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	47.0009	51.7293	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	113.9987	103.3841	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	511.4355	478.0029	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	537.1490	502.9002	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	308.1541	327.0432	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	188.9345	202.2026	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	151.0356	162.1003	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	135.0009	123.6375	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	540.2208	507.8019	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	565.8688	532.6786	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	336.3034	355.6804	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	215.4195	229.5552	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	176.4644	188.4620	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	151.9447	139.4743	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	562.8023	530.8340	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	588.3804	555.6562	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	362.3657	382.4380	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	239.6186	254.4816	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	199.7273	212.6180	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	167.5373	154.3343	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	583.9643	553.2630	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	609.4084	578.0038	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	386.2784	408.3885	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	264.3984	280.8649	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	223.8623	238.3094	0.0000	0.0000	0	0.00		
			<u>721,696</u>					<u>0.00</u>	<u>0.00</u>	<u>24 465 894.00</u>	<u>0.00</u>
<b>Total</b>			<b>890,298</b>					<b>6,292.00</b>	<b>89,499,142.00</b>	<b>36 477 264.00</b>	<b>149 615 565 104.90</b>
<b>Future</b>											
Jun 2019	EUUS	Future	5	1.1297	1.1258	0.0000	0.0000	0	0.00		
Sep 2019	EUUS	Future	143	1.1386	1.1346	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	5	1.3203	1.3082	0.0000	0.0000	0	0.00		
			<u>5</u>					<u>0.00</u>	<u>0.00</u>	<u>176 170.00</u>	<u>2 268 656 737.00</u>
<b>Total</b>			<b>5</b>					<b>0.00</b>	<b>0.00</b>	<b>176 170.00</b>	<b>2 268 656 737.00</b>

<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	ZAAD	Future	17,568	10.1826	10.1551	10.2104	10.1799	9	91,649.60		
Sep 2019	ZAAD	Future	1,731	10.3176	10.2902	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.4478	10.4218	0.0000	0.0000	0	0.00		
			<u>19,699</u>					<u>9.00</u>	<u>91,649.60</u>	<u>3 872 215.00</u>	<u>33 962 100 585.20</u>
<b>Option</b>											
Dec 2019	ZAAD	11.00 Call	1,000	247.4595	242.7470	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>
		<b>Total</b>	<b>20,699</b>					<b>9.00</b>	<b>91,649.60</b>	<b>3 906 592.00</b>	<b>33 962 100 585.20</b>
<b>Future</b>											
Jun 2019	ZACA	Future	2,600	10.7383	10.7738	0.0000	0.0000	0	0.00		
Sep 2019	ZACA	Future	415	10.8829	10.9190	0.0000	0.0000	0	0.00		
			<u>3,015</u>					<u>0.00</u>	<u>0.00</u>	<u>157 098.00</u>	<u>1 564 876 030.10</u>
		<b>Total</b>	<b>3,015</b>					<b>0.00</b>	<b>0.00</b>	<b>157 098.00</b>	<b>1 564 876 030.10</b>
<b>Future</b>											
Jun 2019	ZADK	Future	485	2.1622	2.1651	0.0000	0.0000	0	0.00		
			<u>485</u>					<u>0.00</u>	<u>0.00</u>	<u>14 560.00</u>	<u>314 568 939.00</u>
		<b>Total</b>	<b>485</b>					<b>0.00</b>	<b>0.00</b>	<b>14 560.00</b>	<b>314 568 939.00</b>
<b>Future</b>											
Jun 2019	ZAEU	Future	120,639	16.1319	16.1555	16.0999	16.0999	14,611	236,086,591.30		
Sep 2019	ZAEU	Future	42,836	16.4419	16.4662	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	Future	32,686	16.7387	16.7644	0.0000	0.0000	0	0.00		
Mar 2020	ZAEU	Future	4,361	17.0632	17.0884	0.0000	0.0000	0	0.00		
			<u>200,522</u>					<u>14,611.00</u>	<u>236,086,591.30</u>	<u>16 689 343.00</u>	<u>242 132 864 338.20</u>
<b>Option</b>											
Jun 2019	ZAEU	15.35 Put	570	118.8733	117.8123	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	16.64 Call	300	254.0898	267.6668	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	16.73 Put	500	829.5518	818.8003	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	15.62 Put	14,429	283.3274	278.3718	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	15.85 Put	587	371.3090	364.8789	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.27 Call	14,429	212.0748	220.3709	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	13.73 Put	17,150	37.8699	37.7397	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	14.09 Put	136,646	60.6379	60.2433	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	14.23 Put	61,500	72.1211	71.5777	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	15.70 Put	136,646	354.8221	349.9545	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	15.85 Put	61,500	406.9595	401.7547	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	16.15 Put	17,150	534.6220	526.7297	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	19.79 Call	136,646	211.7357	217.8387	0.0000	0.0000	0	0.00		

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Dec 2019	ZAEU	19.80 Call	61,500	210.8702	216.9501	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	165.9623	170.8961	0.0000	0.0000	0	0.00	
			676,703					0.00	0.00	12 048 500.00
		<b>Total</b>	<b>877,225</b>					<b>14,611.00</b>	<b>236,086,591.30</b>	28 737 843.00 242 132 864 338.20
<b>Future</b>										
Jun 2019	ZAFR	Future	993	14.4217	14.4636	0.0000	0.0000	0	0.00	
Sep 2019	ZAFR	Future	300	14.7134	14.7563	0.0000	0.0000	0	0.00	
			1,293					0.00	0.00	632 902.00 6 845 970 775.90
		<b>Total</b>	<b>1,293</b>					<b>0.00</b>	<b>0.00</b>	632 902.00 6 845 970 775.90
<b>Future</b>										
Jun 2019	ZAGB	Future	118,986	18.8526	18.7739	18.8844	18.8700	2,106	39,613,722.50	
Sep 2019	ZAGB	Future	21,418	19.1520	19.0728	19.2036	19.1700	483	9,254,498.00	
Dec 2019	ZAGB	Future	12,845	19.4353	19.3575	0.0000	0.0000	0	0.00	
Mar 2020	ZAGB	Future	4,674	19.7433	19.6635	19.6550	19.6550	500	9,827,500.00	
			157,923					3,089.00	58,695,720.50	14 664 314.00 252 170 261 759.30
<b>Option</b>										
Jun 2019	ZAGB	18.00 Call	1,000	1059.5660	1004.9186	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	19.15 Put	500	803.2036	0.0000	0.0000	0.0000	500	0.00	
Dec 2019	ZAGB	18.75 Put	500	680.6074	714.0889	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	22.13 Call	500	299.5599	288.9052	0.0000	0.0000	0	0.00	
			2,500					500.00	0.00	1 790 813.00 0.00
		<b>Total</b>	<b>160,423</b>					<b>3,589.00</b>	<b>58,695,720.50</b>	16 455 127.00 252 170 261 759.30
<b>Future</b>										
Jun 2019	ZAKS	Future	2,166	0.1397	0.1407	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	646	9.8392	9.8210	0.0000	0.0000	0	0.00	
			646					0.00	0.00	146 792.00 1 127 677 204.60
		<b>Total</b>	<b>646</b>					<b>0.00</b>	<b>0.00</b>	166 792.00 1 127 677 204.60
<b>Future</b>										
Jun 2019	ZATR	Future	3,646	2.4094	2.4139	0.0000	0.0000	0	0.00	
			3,646					0.00	0.00	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

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Jun 2019	ZAUM	Future	485	14.2792	14.3506	0.0000	0.0000	0	0.00
			485					0.00	0.00
		<b>Total</b>	<b>485</b>					<b>0.00</b>	<b>0.00</b>
									156 738.00
									182 213 919 840.00
									161 261.00
									182 213 919 840.00
<b>Future</b>									
Jun 2019	ZAUS	Future	857,381	14.2792	14.3506	14.3299	14.2302	70,909	1,013,552,835.10
Sep 2019	ZAUS	Future	26,409	14.4408	14.5133	14.3996	14.3996	356	5,154,074.00
Dec 2019	ZAUS	Future	22,753	14.5960	14.6708	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	Future	10,345	14.7660	14.8413	0.0000	0.0000	0	0.00
Jun 2020	ZAUS	Future	700	14.9332	15.0057	0.0000	0.0000	0	0.00
			977,588					71,265.00	1,018,706,909.10
									202 407 002.00
									2 457 933 876 257.60
<b>Option</b>									
Jun 2019	ZAUS	10.69 Put	1,000	0.3951	0.3420	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	7.5962	6.1539	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	12.9435	10.0537	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	15.0331	11.5577	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.92 Put	2,100	22.0822	15.4300	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	26.7185	19.2011	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	28.4235	20.6077	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.10 Put	14,000	38.2632	28.8899	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.22 Put	122,704	53.3102	41.9577	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	56.1984	44.5075	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	57.6863	45.8250	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.28 Put	122,704	62.3235	49.9512	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.30 Put	143,800	65.5654	52.8504	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.35 Put	4,317	74.2131	60.6367	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	7,500	884.3095	939.5522	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	809.5342	862.9021	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Put	700	130.3342	112.3021	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	203.6396	180.2606	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	609.4446	655.7625	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.91 Put	1,000	234.2110	208.8849	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	562.3462	606.7163	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	23,500	550.9892	594.8728	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	301,700	271.7892	244.2728	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.06 Put	2,100	298.7097	269.7412	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	303.3410	274.1309	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	367.2834	334.9695	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,982	393.6923	360.2071	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.30 Put	30,000	421.0865	386.4466	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	379.9328	414.2715	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	353.0153	385.5038	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	14.44 Put	31,500	506.4520	467.0231	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	297.9986	326.4872	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	633.3427	589.2547	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	647.3770	602.8288	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.66 Call	122,704	273.6412	300.2638	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.72 Call	122,704	256.6461	281.9291	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	1,000	248.5415	273.1745	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.78 Call	250	240.6862	264.6823	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	230.5934	253.7601	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	190.1624	209.8909	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	170.7587	188.8343	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	137.8158	152.8413	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	134.9062	149.6541	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	111.4645	123.9291	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	102.4742	114.0407	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	100.3517	111.7031	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	96.2445	107.1793	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	94.2609	104.9925	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	87.4220	97.7080	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	80.8061	90.9631	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	73.0434	82.2879	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	70.6294	79.5877	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	64.5875	72.8176	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	58.4240	65.9043	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	6.2040	7.4654	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	4.8709	4.8869	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	50.2443	45.2593	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	86.6348	77.3561	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	107.1546	95.0148	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	131.5359	116.6388	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	152.8456	136.5424	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1053.2625	1103.5716	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	279.0780	256.1330	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	305.3499	279.4656	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.80 Put	14,000	317.0484	289.8826	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.90 Put	5,908	357.9305	329.0597	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.92 Put	2,149	366.4540	337.2462	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	388.2657	358.2252	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	401.7003	371.1592	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	457.9969	425.5045	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	502.8699	468.9563	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	549.9666	514.6743	0.0000	0.0000	0	0.00



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Sep 2019	ZAUS	14.36 Put	111	582.5734	546.3817	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.46 Put	17,287	639.1575	601.3711	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	14,000	603.8259	637.3977	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Put	14,000	663.0259	624.0977	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	756.0399	714.7144	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.70 Put	1,000	788.2394	746.1476	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.82 Put	1,000	867.8198	823.9538	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	888.2080	843.9123	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	433.7476	459.8924	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	425.2339	450.9844	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	390.3376	414.4073	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1277.9807	1226.6434	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	311.8606	331.6549	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1421.3461	1368.1404	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	249.0367	265.5382	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.66 Call	2,149	151.9725	163.2837	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.67 Call	14,000	151.0568	162.3115	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	115.7707	124.8249	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	111.8425	120.6452	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	108.6932	117.2917	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	91.3507	97.7375	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	85.0980	90.9800	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	82.9311	88.6384	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	70.8542	75.5792	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	23.3530	21.6888	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	132.6220	121.7695	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	158.8603	145.9764	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.03 Put	69,000	165.3918	152.0121	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	341.4327	319.7198	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	392.0268	368.4856	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	450.0552	421.6525	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	26,500	477.0558	447.4826	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	509.6485	479.1017	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	514.4000	483.7107	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	523.9690	493.0094	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.11 Put	24,055	528.7910	497.6944	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.12 Put	69,000	533.6364	502.3985	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	684.0771	649.0187	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	432.5327	455.5880	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	369.6116	390.5650	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.20 Call	50,100	357.2380	377.8016	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.25 Call	26,000	348.6928	368.8512	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	16.35 Call	4,150	332.2902	351.6756	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.37 Call	500	329.1183	348.3523	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.55 Call	24,055	302.1023	320.0347	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.85 Call	1,351	262.6535	278.6342	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.99 Call	69,000	246.3682	261.5204	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.02 Call	139,860	243.0406	258.0220	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	207.0770	220.1856	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	77.5040	85.2753	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	45.6874	40.7123	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	12.96 Put	277,778	198.1406	185.2565	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.06 Put	275,862	221.6916	207.9133	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.19 Put	272,897	255.0319	240.0724	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.78 Put	60,000	444.9392	423.4456	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	537.1231	512.6932	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.40 Put	277,778	730.1836	698.8943	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.51 Put	275,862	790.4684	757.8057	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.66 Put	272,897	876.3238	841.8370	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.60 Call	277,778	447.7576	470.7481	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.81 Call	275,862	413.3527	434.8967	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.04 Call	272,897	379.3500	399.4290	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	297.6762	312.9857	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.88 Call	60,000	288.0152	300.3321	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	11.90 Put	900	70.5039	66.2208	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	14.25 Put	900	716.5498	688.3904	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	17.26 Call	900	510.4877	532.4984	0.0000	0.0000	0	0.00		
			<u>5,891,892</u>					<u>0.00</u>	<u>0.00</u>	<u>71 642 816.00</u>	<u>0.00</u>
	<b>Total</b>		<b>6,809,480</b>					<b>71,265.00</b>	<b>1,018,706,909.10</b>	<b>274 049 818.00</b>	<b>2 457 933 876 257.60</b>
	<b>Grand Total</b>		<b>8,836,302</b>					<b>95,766.00</b>	<b>1 403 080 012.50</b>	<b>374,568,122</b>	<b>3,408,078,682,589.12</b>