



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 02-April-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Apr 2019	DAEU	Future	4	15.9600	15.9303	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	1	15.9954	15.9663	0.0000	0.0000	0	0.00		
May 2019	DAEU	Future	2	16.1094	16.0805	0.0000	0.0000	0	0.00		
			<u>7</u>					<u>0.00</u>	<u>0.00</u>	<u>816 216.00</u>	<u>12 205 897 911.20</u>
<b>Option</b>											
Feb 2020	DAEU	16.65 Call	21,000	1097.8378	1092.3979	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	16.91 Call	15,000	984.3901	981.4237	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	17.00 Call	15,000	947.9285	945.6606	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	17.07 Call	15,000	920.5423	918.7392	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>66,007</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	18.5846	18.6487	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	120	18.6189	18.6837	0.0000	0.0000	22	408,599.40		
Apr 2019	DAGB	Future	27	18.6283	18.6933	0.0000	0.0000	0	0.00		
May 2019	DAGB	Future	91	18.7293	18.7949	0.0000	0.0000	0	0.00		
			<u>281</u>					<u>22.00</u>	<u>408,599.40</u>	<u>67 179.00</u>	<u>1 127 353 682.20</u>
	<b>Total</b>		<b>281</b>					<b>22.00</b>	<b>408,599.40</b>	<b>274 492.00</b>	<b>1 127 353 682.20</b>
<b>Future</b>											
Apr 2019	DAUS	Future	0	14.1799	14.1576	0.0000	0.0000	55	783,200.00		
Apr 2019	DAUS	Future	30,000	14.2296	14.1611	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	2,025	14.2313	14.1628	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,830	14.2485	14.1800	0.0000	0.0000	420	5,962,740.00		
Apr 2019	DAUS	Future	349	14.2669	14.1989	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	15	14.2720	14.2041	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	4,563	14.2737	14.2058	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	303	14.2856	14.2178	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	25,000	14.2890	14.2212	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	93	14.2959	14.2280	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	2	14.2993	14.2315	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	387	14.3232	14.2555	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	452	14.3266	14.2589	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.3335	14.2658	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	2,421	14.3745	14.3073	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.3797	14.3125	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	1,029	14.4315	14.3642	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.4332	14.3659	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	2,229	14.4830	14.4154	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.4882	14.4206	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.4918	14.4241	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	3,617	14.5079	14.4397	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	98	14.5383	14.4693	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.5419	14.4728	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	153	14.5929	14.5235	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	Future	97	14.6455	14.5747	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.6509	14.5800	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.6545	14.5835	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	45	14.7033	14.6311	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.7069	14.6347	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.7594	14.6873	0.0000	0.0000	0	0.00		
Feb 2020	DAUS	Future	3,500	14.8104	14.7383	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.8158	14.7438	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.8722	14.8016	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.9229	14.8542	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.9869	14.9204	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.0945	15.0296	0.0000	0.0000	0	0.00		
			<u>164,282</u>					<u>475.00</u>	<u>6,745,940.00</u>	<u>12 005 078.00</u>	<u>149 526 065 962.90</u>
<b>Option</b>											
Apr 2019	DAUS	14.00 Call	30,000	242.9406	192.8968	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.68 Call	6,000	5.5562	7.4365	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.76 Put	100	3.1066	13.1366	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.35 Call	100	45.1605	43.7297	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.40 Put	35,000	203.7057	272.3853	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.40 Call	20,000	114.0071	104.0273	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.44 Call	60,000	101.7459	93.5172	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.45 Call	40,000	98.8651	91.0454	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Call	25,000	230.5623	206.7497	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.50 Call	50,000	116.6019	107.8654	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.55 Call	25,000	103.5982	96.4481	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	4.4034	5.8991	0.0000	0.0000	0	0.00		

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Apr 2019	DAUS	13.49 Call	2,500	799.4858	737.7392	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.95 Put	734	95.8740	0.0000	0.0000	0.0000	734	0.00
Apr 2019	DAUS	14.20 Call	734	269.7631	244.5873	0.0000	0.0000	734	0.00
Apr 2019	DAUS	14.20 Put	250	196.0631	238.7873	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	221.4039	267.8669	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.45 Call	734	168.0347	0.0000	0.0000	0.0000	734	0.00
Apr 2019	DAUS	14.84 Call	500	77.8243	74.5203	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	14.8668	15.9539	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	6.8804	7.4493	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	634.3047	587.5390	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	321.4719	296.8141	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	353.8403	332.3452	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	89.8306	89.1625	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	63.3430	64.0094	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	14.4577	18.8727	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	306.8472	350.1180	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	332.0882	377.0208	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	166.2499	161.7639	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	64.8681	65.4109	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	39.7021	41.5254	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	171.8741	202.7385	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	260.5419	299.2444	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	301.4054	343.0409	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	18,000	350.8247	395.5726	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	31.5757	40.4616	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	276.5975	313.3453	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	359.3376	401.2979	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	384.4976	427.8377	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	212.2219	205.8346	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	182.3181	177.5134	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	100.6130	99.3026	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	71.0263	70.8673	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	56.2526	67.0568	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	409.6319	449.7870	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	434.7747	476.1250	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	260.8223	253.8365	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	141.1934	139.1575	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	107.3685	106.5059	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	576.6826	623.5921	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	141.0319	139.2938	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	80.8503	90.8159	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	447.2658	486.4675	0.0000	0.0000	0	0.00

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Aug 2019	DAUS	14.25 Put	250	472.3179	512.6314	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	293.3182	286.3752	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	171.6432	169.1298	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	135.0524	133.8844	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	51.7293	51.7855	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	103.3841	113.7361	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	478.0029	516.8638	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	502.9002	542.8239	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	327.0432	319.7921	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	202.2026	199.3006	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	162.1003	160.6158	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	123.6375	136.6082	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	507.8019	547.2560	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	532.6786	573.1330	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	355.6804	348.5981	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	229.5552	226.5146	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	188.4620	186.7069	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	139.4743	155.1145	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	530.8340	571.2065	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	555.6562	596.9995	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	382.4380	375.2694	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	254.4816	251.1302	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	212.6180	210.5190	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	154.3343	172.5562	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	553.2630	594.3952	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	578.0038	620.0487	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	408.3885	400.6267	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	280.8649	277.2048	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	238.3094	235.8947	0.0000	0.0000	0	0.00		
			<u>721,696</u>					<u>2,202.00</u>	<u>0.00</u>	<u>24 465 894.00</u>	<u>0.00</u>
<b>Total</b>			<b>885,978</b>					<b>2,677.00</b>	<b>6,745,940.00</b>	<b>36 470 972.00</b>	<b>149 526 065 962.90</b>
<b>Future</b>											
Jun 2019	EUUS	Future	5	1.1258	1.1291	0.0000	0.0000	0	0.00		
Sep 2019	EUUS	Future	143	1.1346	1.1379	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	1.3082	1.3190	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>

<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>Total</b>			<b>5</b>					<b>0.00</b>	<b>0.00</b>	176 170.00	2 268 656 737.00
<b>Future</b>											
Jun 2019	ZAAD	Future	17,568	10.1551	10.1874	10.1350	10.0854	401	4,044,420.00		
Sep 2019	ZAAD	Future	1,731	10.2902	10.3223	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.4218	10.4517	0.0000	0.0000	0	0.00		
			<u>19,699</u>					<u>401.00</u>	<u>4,044,420.00</u>	<u>3 872 206.00</u>	<u>33 962 008 935.60</u>
<b>Option</b>											
Dec 2019	ZAAD	11.00 Call	1,000	242.7470	254.4005	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>401.00</b>	<b>4,044,420.00</b>	3 906 583.00	33 962 008 935.60
<b>Future</b>											
Jun 2019	ZACA	Future	2,600	10.7738	10.7228	10.6941	10.6927	400	4,277,430.00		
Sep 2019	ZACA	Future	415	10.9190	10.8671	0.0000	0.0000	0	0.00		
			<u>3,015</u>					<u>400.00</u>	<u>4,277,430.00</u>	<u>157 098.00</u>	<u>1 564 876 030.10</u>
<b>Total</b>			<b>3,015</b>					<b>400.00</b>	<b>4,277,430.00</b>	157 098.00	1 564 876 030.10
<b>Future</b>											
Jun 2019	ZADK	Future	485	2.1651	2.1612	2.1478	2.1474	250	5,368,900.00		
			<u>485</u>					<u>250.00</u>	<u>5,368,900.00</u>	<u>14 560.00</u>	<u>314 568 939.00</u>
<b>Total</b>			<b>485</b>					<b>250.00</b>	<b>5,368,900.00</b>	14 560.00	314 568 939.00
<b>Future</b>											
Jun 2019	ZAEU	Future	120,634	16.1555	16.1270	16.1935	16.0195	553	8,864,886.20		
Sep 2019	ZAEU	Future	42,836	16.4662	16.4372	16.4959	16.4959	403	6,618,507.70		
Dec 2019	ZAEU	Future	32,686	16.7644	16.7331	0.0000	0.0000	0	0.00		
Mar 2020	ZAEU	Future	4,361	17.0884	17.0570	0.0000	0.0000	0	0.00		
			<u>200,517</u>					<u>956.00</u>	<u>15,483,393.90</u>	<u>16 674 732.00</u>	<u>241 896 777 746.90</u>
<b>Option</b>											
Jun 2019	ZAEU	15.35 Put	570	117.8123	129.4652	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	16.64 Call	300	267.6668	269.9761	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	16.73 Put	500	818.8003	850.2235	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	15.62 Put	14,429	278.3718	293.5117	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	15.85 Put	587	364.8789	383.9688	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.27 Call	14,429	220.3709	226.9918	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	13.73 Put	17,150	37.7397	39.5419	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	14.09 Put	136,646	60.2433	63.0864	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	14.23 Put	61,500	71.5777	74.9264	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	15.70 Put	136,646	349.9545	365.6059	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	15.85 Put	61,500	401.7547	419.0933	0.0000	0.0000	0	0.00		

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Dec 2019	ZAEU	16.15 Put	17,150	526.7297	549.2425	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	19.79 Call	136,646	217.8387	223.3993	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	19.80 Call	61,500	216.9501	222.5121	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	170.8961	176.3481	0.0000	0.0000	0	0.00	
			676,703					0.00	0.00	12 048 500.00
		<b>Total</b>	<b>877,220</b>					<b>956.00</b>	<b>15,483,393.90</b>	28 723 232.00 241 896 777 746.90
<b>Future</b>										
Jun 2019	ZAFR	Future	993	14.4636	14.4123	14.3229	14.3229	100	1,432,290.00	
Sep 2019	ZAFR	Future	300	14.7563	14.7034	0.0000	0.0000	0	0.00	
			1,293					100.00	1,432,290.00	632 902.00 6 845 970 775.90
		<b>Total</b>	<b>1,293</b>					<b>100.00</b>	<b>1,432,290.00</b>	632 902.00 6 845 970 775.90
<b>Future</b>										
Jun 2019	ZAGB	Future	120,481	18.7739	18.8400	18.8272	18.6300	4,318	80,633,495.10	
Sep 2019	ZAGB	Future	21,179	19.0728	19.1380	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	Future	12,845	19.3575	19.4201	0.0000	0.0000	0	0.00	
Mar 2020	ZAGB	Future	4,674	19.6635	19.7296	0.0000	0.0000	0	0.00	
			159,179					4,318.00	80,633,495.10	14 661 225.00 252 111 566 038.80
<b>Option</b>										
Jun 2019	ZAGB	18.00 Call	1,000	1004.9186	1063.4286	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	18.75 Put	500	714.0889	702.2521	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	22.13 Call	500	288.9052	309.7330	0.0000	0.0000	0	0.00	
			2,000					0.00	0.00	1 790 313.00 0.00
		<b>Total</b>	<b>161,179</b>					<b>4,318.00</b>	<b>80,633,495.10</b>	16 451 538.00 252 111 566 038.80
<b>Future</b>										
Jun 2019	ZAKS	Future	2,166	0.1407	0.1400	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	9.8210	9.8858	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	2.4139	2.4491	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

<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	ZAUM	Future	485	14.3506	14.2831	14.2178	14.2178	5	7,108,900.00	
			<u>485</u>					<u>5.00</u>	<u>7,108,900.00</u>	<u>156 738.00</u>
		<b>Total</b>	<b>485</b>					<b>5.00</b>	<b>7,108,900.00</b>	<b>161 261.00</b>
<b>Future</b>										
Jun 2019	ZAUS	Future	867,896	14.3506	14.2831	14.3805	14.2150	82,788	1,183,051,561.60	
Sep 2019	ZAUS	Future	26,409	14.5133	14.4449	14.3800	14.3800	3,742	54,008,899.20	
Dec 2019	ZAUS	Future	22,753	14.6708	14.5994	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	Future	10,345	14.8413	14.7699	0.0000	0.0000	0	0.00	
Jun 2020	ZAUS	Future	700	15.0057	14.9399	0.0000	0.0000	0	0.00	
			<u>928,103</u>					<u>86,530.00</u>	<u>1,237,060,460.80</u>	<u>202 335 737.00</u>
<b>Option</b>										
Jun 2019	ZAUS	10.69 Put	1,000	0.3420	0.4434	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.28 Put	1,000	6.1539	7.5535	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.65 Put	1,050	10.0537	12.6180	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.75 Put	1,000	11.5577	14.5844	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.92 Put	2,100	15.4300	21.6483	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.98 Put	911	19.2011	26.4869	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.00 Put	165,703	20.6077	28.2734	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.10 Put	14,000	28.8899	38.6272	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.22 Put	122,704	41.9577	54.5495	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.24 Put	30,000	44.5075	57.6122	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.25 Put	4,582	45.8250	59.1891	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.28 Put	122,704	49.9512	64.1094	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.30 Put	143,800	52.8504	67.5486	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.35 Put	4,317	60.6367	76.7247	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.50 Call	7,500	939.5522	892.5904	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.60 Call	700	862.9021	818.9732	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.60 Put	700	112.3021	135.8732	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.83 Put	25,000	180.2606	211.2895	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.90 Call	100	655.7625	621.6152	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.91 Put	1,000	208.8849	242.5695	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.98 Call	1,000	606.7163	575.1976	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.00 Call	23,500	594.8728	564.0040	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.00 Put	301,700	244.2728	280.9040	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.06 Put	2,100	269.7412	308.3023	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.07 Put	39,589	274.1309	313.0084	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.20 Put	13,600	334.9695	377.8616	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.25 Put	1,982	360.2071	404.5786	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.30 Put	30,000	386.4466	432.2515	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.35 Call	1,050	414.2715	394.9946	0.0000	0.0000	0	0.00	

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Jun 2019	ZAUS	14.42 Call	30	385.5038	368.0330	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.44 Put	31,500	467.0231	517.5469	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	326.4872	312.7302	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	589.2547	644.0417	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	602.8288	658.0172	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.66 Call	122,704	300.2638	288.1521	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.72 Call	122,704	281.9291	270.9623	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	1,000	273.1745	262.7470	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.78 Call	250	264.6823	254.7805	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	253.7601	244.5325	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	209.8909	203.3060	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	188.8343	183.4191	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	152.8413	149.4519	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	149.6541	146.4375	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	123.9291	122.0500	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	114.0407	112.6447	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	111.7031	110.4188	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	107.1793	106.1060	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	104.9925	104.0202	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	97.7080	96.8042	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	90.9631	89.7884	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	82.2879	81.5260	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	79.5877	78.9487	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	72.8176	72.4809	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	65.9043	65.8588	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	7.4654	7.3703	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	4.8869	5.5641	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	45.2593	51.4251	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	77.3561	86.8070	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	95.0148	106.8189	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	116.6388	131.6729	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	136.5424	153.4122	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1103.5716	1060.1594	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	256.1330	282.1972	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	279.4656	308.8412	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.80 Put	14,000	289.8826	320.7004	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.90 Put	5,908	329.0597	362.1197	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.92 Put	2,149	337.2462	370.7502	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	358.2252	392.8345	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	371.1592	406.4309	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	425.5045	463.3669	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	468.9563	508.7069	0.0000	0.0000	0	0.00



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Sep 2019	ZAUS	14.30 Put	9,783	514.6743	556.2552	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	546.3817	589.1526	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.46 Put	17,287	601.3711	646.1782	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	14,000	637.3977	615.0228	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Put	14,000	624.0977	670.1228	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	714.7144	763.4008	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.70 Put	1,000	746.1476	795.6726	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.82 Put	1,000	823.9538	875.3962	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	843.9123	895.8124	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	459.8924	445.5531	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	450.9844	437.0521	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	414.4073	402.1820	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1226.6434	1285.6331	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	331.6549	323.5090	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1368.1404	1428.8511	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	265.5382	260.2700	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.66 Call	2,149	163.2837	161.4636	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.67 Call	14,000	162.3115	160.5227	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	124.8249	124.2209	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	120.6452	120.1649	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	117.2917	116.9064	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	97.7375	98.8131	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	90.9800	92.2378	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	88.6384	89.9566	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	75.5792	77.2033	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	21.6888	25.5554	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	121.7695	136.5845	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	145.9764	162.8510	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.03 Put	69,000	152.0121	169.3801	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	319.7198	347.8670	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	368.4856	399.1702	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	421.6525	457.8718	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	26,500	447.4826	485.1544	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	479.1017	518.0558	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	483.7107	522.8533	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	493.0094	532.5091	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.11 Put	24,055	497.6944	537.3766	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.12 Put	69,000	502.3985	542.2627	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	649.0187	693.8722	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	455.5880	446.2465	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	390.5650	382.8510	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.20 Call	50,100	377.8016	370.3777	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	16.25 Call	26,000	368.8512	361.7538	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.35 Call	4,150	351.6756	345.2003	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.37 Call	500	348.3523	341.9982	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.55 Call	24,055	320.0347	314.6844	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.85 Call	1,351	278.6342	274.7110	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.99 Call	69,000	261.5204	258.1718	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.02 Call	139,860	258.0220	254.7882	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	220.1856	218.1647	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	85.2753	85.7784	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	40.7123	46.6008	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	12.96 Put	277,778	185.2565	204.1109	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.06 Put	275,862	207.9133	228.3677	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.19 Put	272,897	240.0724	262.6724	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.78 Put	60,000	423.4456	455.8056	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	512.6932	549.0271	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.40 Put	277,778	698.8943	743.5401	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.51 Put	275,862	757.8057	804.1636	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.66 Put	272,897	841.8370	890.4293	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.60 Call	277,778	470.7481	463.7654	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.81 Call	275,862	434.8967	428.9595	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.04 Call	272,897	399.4290	394.5088	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	312.9857	311.4661	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.88 Call	60,000	300.3321	301.6064	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	11.90 Put	900	66.2208	72.8109	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	14.25 Put	900	688.3904	729.9060	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	17.26 Call	900	532.4984	528.8816	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>6,819,995</b>					<b>86,530.00</b>	<b>1,237,060,460.80</b>	<b>273 978 553.00</b>	<b>2 456 915 169 348.50</b>
	<b>Grand Total</b>		<b>8,843,248</b>					<b>95,659.00</b>	<b>1 362 563 829.20</b>	<b>374,472,356</b>	<b>3,406,675,602,576.62</b>