



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 25-March-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Mar 2019	DAEU	Future	53	16.2591	16.3210	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	4	16.3156	16.3778	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	1	16.3516	16.4142	0.0000	0.0000	0	0.00
			<u>58</u>					<i>0.00</i>	<i>0.00</i>
									<i>816 108.00</i>
									<i>12 204 137 941.00</i>
Option									
Aug 2019	DAEU	19.65 Call	42,400	96.3589	96.3881	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.65 Call	21,000	1307.9121	1350.9130	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	1179.0435	1217.2870	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	1137.4100	1174.0007	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	1106.0444	1141.3554	0.0000	0.0000	0	0.00
			<u>108,400</u>					<i>0.00</i>	<i>0.00</i>
									<i>1 769 987.00</i>
									<i>0.00</i>
		Total	108,458					0.00	0.00
									<i>2 586 095.00</i>
									<i>12 204 137 941.00</i>
Future									
Mar 2019	DAGB	Future	80	18.9764	19.0684	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	43	19.0309	19.1234	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	120	19.0656	19.1587	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	19.0752	19.1683	0.0000	0.0000	0	0.00
			<u>270</u>					<i>0.00</i>	<i>0.00</i>
									<i>66 926.00</i>
									<i>1 122 552 906.30</i>
		Total	270					0.00	0.00
									<i>274 239.00</i>
									<i>1 122 552 906.30</i>
Future									
Mar 2019	DAUS	Future	0	14.3999	14.4528	0.0000	0.0000	16,000	230,398,400.00
Mar 2019	DAUS	Future	30,000	14.3542	14.4579	0.0000	0.0000	20,000	288,906,000.00
Mar 2019	DAUS	Future	3,409	14.3560	14.4596	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	10,000	14.3613	14.4647	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.3631	14.4664	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	30,000	14.3665	14.4697	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	2,025	14.3682	14.4714	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,830	14.3849	14.4888	0.0000	0.0000	0	0.00

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Apr 2019	DAUS	Future	349	14.4033	14.5077	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	15	14.4085	14.5129	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	4,591	14.4102	14.5146	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	303	14.4222	14.5267	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	25,000	14.4256	14.5301	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	93	14.4325	14.5370	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	387	14.4601	14.5647	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	416	14.4635	14.5682	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.4704	14.5751	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	2,607	14.5121	14.6170	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.5174	14.6224	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	637	14.5706	14.6759	0.0000	0.0000	45	658,800.00		
Aug 2019	DAUS	Future	55	14.5724	14.6776	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	1,633	14.6234	14.7287	0.0000	0.0000	45	661,387.50		
Sep 2019	DAUS	Future	55	14.6287	14.7341	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.6323	14.7377	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	3,617	14.6483	14.7539	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	98	14.6787	14.7845	0.0000	0.0000	45	663,750.00		
Oct 2019	DAUS	Future	55	14.6824	14.7882	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	153	14.7355	14.8410	0.0000	0.0000	45	666,472.50		
Nov 2019	DAUS	Future	97	14.7889	14.8948	0.0000	0.0000	45	668,947.50		
Dec 2019	DAUS	Future	55	14.7944	14.9004	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.7982	14.9041	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	45	14.8483	14.9543	0.0000	0.0000	45	671,512.50		
Jan 2020	DAUS	Future	55	14.8521	14.9580	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.9065	15.0118	0.0000	0.0000	0	0.00		
Feb 2020	DAUS	Future	3,500	14.9597	15.0640	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.9654	15.0696	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.0250	15.1293	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.0783	15.1842	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.1454	15.2533	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.2598	15.3677	0.0000	0.0000	0	0.00		
			<u>206,934</u>					<u>36,270.00</u>	<u>523,295,270.00</u>	<u>11 957 749.00</u>	<u>148 840 687 939.00</u>
Option											
Mar 2019	DAUS	13.88 Put	32,000	4.0823	4.0208	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.00 Put	65,000	9.6468	8.1767	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.84 Call	15,000	524.7197	624.3635	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.00 Call	6,500	376.5000	471.9523	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.18 Call	15,000	225.1256	310.8873	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.50 Put	20,000	206.8487	136.8463	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.00 Put	500	0.1432	0.0795	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.45 Put	600	1.7334	0.8742	0.0000	0.0000	0	0.00		

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Mar 2019	DAUS	13.87 Call	600	501.2038	597.7612	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	67.9910	42.1119	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	83.3384	52.7233	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	108.5259	158.3784	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	43.0983	56.7996	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	3.5325	3.0765	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	1.1745	1.0664	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.00 Call	30,000	412.6445	502.0702	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	14.5994	10.3303	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	35,000	106.1491	77.7607	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	189.7482	250.9047	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.40 Call	20,000	234.9521	284.6752	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.44 Call	60,000	218.6190	265.2914	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.45 Call	40,000	214.6967	260.6182	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Call	25,000	364.1806	427.5502	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.50 Call	50,000	222.8920	264.4506	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.55 Call	25,000	205.2678	243.9678	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	6.0681	5.9240	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	945.2809	1045.2456	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	190.4355	149.5350	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	212.8652	168.9294	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	156.8969	184.7560	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	49.4701	59.5772	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	28.1964	35.7993	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	771.3960	861.3201	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	444.5175	507.4680	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	466.2291	526.4541	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	147.8737	168.4277	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	110.7214	126.3732	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	10.2467	10.9272	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	274.0527	231.6190	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	297.1909	252.4825	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	231.9146	260.0231	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	103.9610	116.4638	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	70.6040	80.5409	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	151.0609	123.8088	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	231.6576	194.9272	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	269.0566	228.4587	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	18,000	314.4603	269.5521	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	29.6554	25.5304	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	244.8855	208.9317	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	321.2495	278.0963	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	14.25 Put	250	344.5840	299.4251	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	273.5335	300.2146	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	238.5795	261.6589	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	140.9633	154.3011	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	103.5261	114.0259	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	51.8890	45.9667	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	366.2919	322.2037	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	389.8148	343.9545	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	318.8350	344.2598	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	181.6534	195.9005	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	141.0003	151.7070	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	523.1408	469.2591	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	178.4320	191.1144	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	71.7123	63.6402	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	400.5277	355.9596	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	424.1098	377.9045	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	347.9850	371.7884	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	210.7439	224.5711	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	168.0638	178.5913	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	70.8158	71.2774	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	89.7207	79.5824	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	429.4229	384.7302	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	452.9949	406.7598	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	379.4320	402.7232	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	240.3446	254.2772	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	194.3853	204.9955	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	106.0615	95.5092	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	456.1877	412.5934	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	479.7622	434.7453	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	405.1548	428.2089	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	266.1927	280.9056	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	219.7777	231.3231	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	118.7663	107.4800	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	477.5180	434.5947	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	501.0474	456.7914	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	429.6871	453.1302	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	289.7467	305.2446	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	243.0089	255.4592	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	130.3828	118.4537	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	497.9791	456.2305	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	521.4268	478.4207	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	454.0264	477.6216	0.0000	0.0000	0	0.00

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Dec 2019	DAUS	17.05 Call	250	315.3314	331.3967	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	17.44 Call	250	268.2441	281.4777	0.0000	0.0000	0	0.00	
			870,794					0.00	0.00	24 350 229.00
		Total	1,077,728					36,270.00	523,295,270.00	36 307 978.00 148 840 687 939.00
Future										
Jun 2019	EUUS	Future	5	1.1399	1.1360	0.0000	0.0000	0	0.00	
			5					0.00	0.00	745 994.00 8 462 928 145.00
		Total	5					0.00	0.00	745 994.00 8 462 928 145.00
Future										
Jun 2019	GBUS	Future	5	1.3268	1.3237	0.0000	0.0000	0	0.00	
Dec 2019	GBUS	Future	2,219	1.3379	1.3350	0.0000	0.0000	0	0.00	
			2,224					0.00	0.00	176 170.00 2 268 656 737.00
		Total	2,224					0.00	0.00	176 170.00 2 268 656 737.00
Future										
Jun 2019	ZAAD	Future	17,563	10.3080	10.3612	10.3806	10.3729	650	6,744,610.00	
Sep 2019	ZAAD	Future	1,731	10.4452	10.4989	10.5129	10.5129	250	2,628,225.00	
Dec 2019	ZAAD	Future	400	10.5780	10.6332	0.0000	0.0000	0	0.00	
			19,694					900.00	9,372,835.00	3 869 231.00 33 930 993 857.60
Option										
Dec 2019	ZAAD	11.00 Call	1,000	292.7014	310.8508	0.0000	0.0000	0	0.00	
			1,000					0.00	0.00	34 377.00 0.00
		Total	20,694					900.00	9,372,835.00	3 903 608.00 33 930 993 857.60
Future										
Jun 2019	ZACA	Future	2,200	10.8124	10.8993	10.9268	10.9268	250	2,731,700.00	
Sep 2019	ZACA	Future	400	10.9601	11.0477	0.0000	0.0000	0	0.00	
			2,600					250.00	2,731,700.00	155 613.00 1 548 616 665.10
		Total	2,600					250.00	2,731,700.00	155 613.00 1 548 616 665.10
Future										
Jun 2019	ZADK	Future	450	2.2135	2.2226	0.0000	0.0000	0	0.00	
			450					0.00	0.00	13 825.00 298 500 189.00
		Total	450					0.00	0.00	13 825.00 298 500 189.00
Future										
Jun 2019	ZAEU	Future	121,718	16.5146	16.5775	16.6636	16.5642	3,063	51,104,264.60	
Sep 2019	ZAEU	Future	42,345	16.8330	16.8970	16.9712	16.9712	250	4,242,800.00	
Dec 2019	ZAEU	Future	32,686	17.1368	17.2028	0.0000	0.0000	0	0.00	

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	Mar 2020	ZAEU	Future	4,361	17.4720	17.5373	0.0000	0.0000	0	0.00		
				<u>201,110</u>					<u>3,313.00</u>	<u>55,347,064.60</u>	<u>16 666 614.00</u>	<u>241 761 668 517.00</u>
Option												
	Jun 2019	ZAEU	15.35 Put	570	65.3085	60.2472	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.64 Call	300	424.3486	445.7258	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.73 Put	500	607.2467	563.7234	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	15.62 Put	14,429	187.5969	176.4315	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	18.27 Call	14,429	307.5831	313.9558	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	18.60 Call	40,000	256.3403	261.5826	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	13.73 Put	17,150	25.3731	26.8433	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	14.09 Put	136,646	40.9929	41.9966	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	15.70 Put	136,646	252.1901	243.2660	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	16.15 Put	17,150	392.6938	376.9874	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	19.79 Call	136,646	283.1604	285.7298	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	20.62 Call	17,150	209.0981	206.9434	0.0000	0.0000	0	0.00		
				<u>531,616</u>					<u>0.00</u>	<u>0.00</u>	<u>11 700 413.00</u>	<u>0.00</u>
			Total	732,726					3,313.00	55,347,064.60	28 367 027.00	241 761 668 517.00
Future												
	Jun 2019	ZAFR	Future	893	14.7129	14.7832	14.8311	14.8311	100	1,483,110.00		
				<u>893</u>					<u>100.00</u>	<u>1,483,110.00</u>	<u>632 252.00</u>	<u>6 836 290 145.90</u>
			Total	893					100.00	1,483,110.00	632 252.00	6 836 290 145.90
Future												
	Jun 2019	ZAGB	Future	199,479	19.2229	19.3167	19.3600	19.2500	3,228	62,331,414.00		
	Sep 2019	ZAGB	Future	21,179	19.5291	19.6255	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	Future	12,846	19.8202	19.9197	0.0000	0.0000	0	0.00		
	Mar 2020	ZAGB	Future	4,674	20.1400	20.2393	0.0000	0.0000	0	0.00		
				<u>238,178</u>					<u>3,228.00</u>	<u>62,331,414.00</u>	<u>14 559 060.00</u>	<u>250 140 449 780.90</u>
Option												
	Jun 2019	ZAGB	18.00 Call	1,000	1382.1324	1450.7930	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	18.75 Put	500	558.7180	516.7560	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	22.13 Call	500	386.7483	387.7780	0.0000	0.0000	0	0.00		
				<u>2,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 790 313.00</u>	<u>0.00</u>
			Total	240,178					3,228.00	62,331,414.00	16 349 373.00	250 140 449 780.90
Future												
	Jun 2019	ZAKS	Future	2,166	0.1419	0.1432	0.0000	0.0000	0	0.00		
				<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>	<u>515 662 000.00</u>
			Total	2,166					0.00	0.00	38 066.00	515 662 000.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Sep 2019	ZANZ	Future	646	10.1431	10.1884	0.0000	0.0000	0	0.00
			<u>646</u>					<u>0.00</u>	<u>0.00</u>
		Total	646					0.00	0.00
									146 792.00
									1 127 677 204.60
									166 792.00
									1 127 677 204.60
Future									
Jun 2019	ZATR	Future	40,000	2.4141	2.4283	0.0000	0.0000	550	1,332,320.00
			<u>40,000</u>					<u>550.00</u>	<u>1,332,320.00</u>
		Total	40,000					550.00	1,332,320.00
									516 277.00
									1 567 733 313.10
									516 277.00
									1 567 733 313.10
Future									
Jun 2019	ZAUM	Future	485	14.4877	14.5924	14.6348	14.6348	5	7,317,400.00
			<u>485</u>					<u>5.00</u>	<u>7,317,400.00</u>
		Total	485					5.00	7,317,400.00
									156 708.00
									182 170 338 140.00
									161 231.00
									182 170 338 140.00
Future									
Jun 2019	ZAUS	Future	806,278	14.4877	14.5924	14.6400	14.4939	103,406	1,510,993,784.40
Sep 2019	ZAUS	Future	27,777	14.6536	14.7593	14.7958	14.7958	500	7,397,900.00
Dec 2019	ZAUS	Future	22,743	14.8149	14.9208	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	Future	10,345	14.9921	15.0958	0.0000	0.0000	0	0.00
Jun 2020	ZAUS	Future	700	15.1651	15.2736	0.0000	0.0000	0	0.00
			<u>867,843</u>					<u>103,906.00</u>	<u>1,518,391,684.40</u>
									201 752 225.00
									2 448 410 771 056.90
Option									
Jun 2019	ZAUS	10.69 Put	1,000	0.3581	0.3686	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	7.3863	6.9222	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	12.4334	10.9793	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	14.3668	12.4931	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.92 Put	2,100	18.4436	15.6400	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	20.1696	16.9580	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	20.7829	17.4250	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.10 Put	14,000	26.2532	19.9911	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.22 Put	122,704	37.5802	26.9602	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	39.7836	28.7285	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	40.9219	29.6454	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.28 Put	122,704	44.4830	32.5307	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.30 Put	143,800	46.9840	34.5697	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.35 Put	4,317	53.6974	40.0893	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	7,500	1065.7991	1153.0210	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	985.9574	1070.3913	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Put	700	98.2574	77.9913	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	158.3672	130.6827	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	768.6262	842.8793	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	13.91 Put	1,000	184.3071	153.4548	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	716.7716	787.7644	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	23,500	704.2046	774.3692	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	301,700	216.5046	181.9692	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.06 Put	2,100	239.7562	202.7261	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	243.7724	206.3238	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	299.5734	256.6582	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,982	322.8076	277.7881	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.30 Put	30,000	347.0132	299.9001	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	509.8812	565.3827	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	476.6994	529.3170	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.44 Put	31,500	419.8513	366.9559	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	409.2671	453.8051	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	532.8616	470.3749	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	545.6111	482.3864	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.66 Call	122,704	379.7364	420.8416	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.72 Call	122,704	358.9561	397.9063	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	1,000	348.9891	386.8900	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	326.7889	362.3196	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	276.0199	305.9696	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	251.3946	278.5550	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	208.5302	231.0573	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	204.6626	226.7673	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	173.0970	191.7386	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	160.7898	178.0672	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	157.8651	174.8178	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	152.1869	168.5060	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	149.4311	165.4456	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	140.2131	155.1969	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	131.6227	145.6414	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	121.4259	134.3014	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	118.2282	130.7428	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	109.7001	121.7587	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	100.6017	112.1097	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	14.1979	17.1060	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	4.8636	4.9351	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	40.0144	35.9777	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	68.9057	61.3076	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	84.8573	75.2921	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	101.0749	89.5257	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	117.1468	101.9678	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1214.9297	1294.2344	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	13.70 Put	2,000	225.8809	198.2124	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	247.3475	217.8582	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	317.7897	280.9826	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	329.8538	291.3640	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	380.7079	338.3747	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	421.5468	376.3450	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	464.6595	416.6116	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	494.6447	444.7122	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.46 Put	17,287	546.7773	493.7531	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	14,000	721.9740	773.4274	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	653.0299	594.3048	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.70 Put	1,000	682.9870	622.3249	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	776.4341	711.1407	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	528.5762	565.1160	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	518.8628	554.6620	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	478.8764	511.5852	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1144.8945	1067.1141	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	387.0072	412.1275	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1282.0262	1200.5680	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	313.0155	332.3812	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	153.1145	161.5718	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	148.2236	156.3199	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	144.2915	152.0974	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	117.1933	122.2249	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	109.2504	112.5419	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	106.4930	109.6008	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	91.0849	93.1944	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	17.3309	17.2364	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	103.4417	92.6051	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	124.8387	111.8671	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	283.2545	256.7776	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	328.5985	299.0314	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	378.2824	345.5278	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	26,500	400.9150	366.7663	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	429.0097	392.5564	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	433.3485	396.3267	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	442.0936	403.9381	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	589.7812	542.0462	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	507.3534	535.4453	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	436.4347	459.6830	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.20 Call	50,100	422.9579	445.2746	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.25 Call	26,000	413.6447	435.3157	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	16.35 Call	4,150	395.2785	416.1894	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.37 Call	500	391.6211	412.4871	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	314.6641	331.1136	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.02 Call	139,860	291.8108	306.8678	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	249.7306	262.2224	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	102.1904	110.0240	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	11.91 Put	1,000	34.7729	33.9471	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	12.96 Put	277,778	157.9393	143.1974	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	13.06 Put	275,862	178.4416	162.3758	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	14.01 Put	1,000	462.7593	431.4162	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	14.40 Put	277,778	634.1368	591.1592	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	14.51 Put	275,862	690.3027	644.9974	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	16.60 Call	277,778	513.7383	538.0869	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	16.81 Call	275,862	474.9303	497.2110	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	17.73 Call	1,000	342.5109	357.6259	0.0000	0.0000	0	0.00
Jun 2020	ZAUS	11.90 Put	900	58.0177	55.8750	0.0000	0.0000	0	0.00
Jun 2020	ZAUS	14.25 Put	900	630.1194	591.9132	0.0000	0.0000	0	0.00
Jun 2020	ZAUS	17.26 Call	900	577.1131	599.2817	0.0000	0.0000	0	0.00
			<u>4,644,635</u>					<u>0.00</u>	<u>0.00</u>
									<u>70 189 410.00</u>
									<u>0.00</u>
		Total	5,512,478					103,906.00	1,518,391,684.40
									271 941 635.00
									2 448 410 771 056.90
		Grand Total	7,742,001					148,522.00	2 181 602 798.00
									371,725,295
									3,395,154,083,875.22