



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 26-March-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Mar 2019	DAEU	Future	53	16.2956	16.2591	0.0000	0.0000	53	865,633.10
Apr 2019	DAEU	Future	4	16.3535	16.3156	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	1	16.3901	16.3516	0.0000	0.0000	0	0.00
			<u>58</u>					<u>53.00</u>	<u>865,633.10</u>
									<u>816 161.00</u>
									<u>12 205 003 574.10</u>
Option									
Aug 2019	DAEU	19.65 Call	42,400	97.2565	96.3589	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.65 Call	21,000	1336.9985	1307.9121	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	1205.5187	1179.0435	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	1162.9900	1137.4100	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	1130.9448	1106.0444	0.0000	0.0000	0	0.00
			<u>108,400</u>					<u>0.00</u>	<u>0.00</u>
									<u>1 769 987.00</u>
									<u>0.00</u>
		Total	108,458					53.00	865,633.10
									2 586 148.00
									12 205 003 574.10
Future									
Mar 2019	DAGB	Future	80	19.0860	18.9764	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	43	19.1424	19.0309	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	120	19.1776	19.0656	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	19.1873	19.0752	0.0000	0.0000	0	0.00
May 2019	DAGB	Future	91	19.2912	19.2830	0.0000	0.0000	91	1,754,753.00
			<u>361</u>					<u>91.00</u>	<u>1,754,753.00</u>
									<u>67 017.00</u>
									<u>1 124 307 659.30</u>
		Total	361					91.00	1,754,753.00
									274 330.00
									1 124 307 659.30
Future									
Mar 2019	DAUS	Future	30,000	14.4180	14.3542	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,409	14.4198	14.3560	0.0000	0.0000	142	2,049,770.00
Apr 2019	DAUS	Future	10,000	14.4250	14.3613	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.4267	14.3631	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	30,000	14.4302	14.3665	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	2,025	14.4320	14.3682	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,830	14.4492	14.3849	0.0000	0.0000	3	43,395.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Apr 2019	DAUS	Future	349	14.4681	14.4033	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	15	14.4733	14.4085	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	4,576	14.4750	14.4102	0.0000	0.0000	360	5,173,740.00
May 2019	DAUS	Future	303	14.4872	14.4222	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	25,000	14.4907	14.4256	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	93	14.4977	14.4325	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	387	14.5257	14.4601	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	416	14.5292	14.4635	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	74	14.5362	14.4704	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	2,607	14.5785	14.5121	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.5838	14.5174	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	1,217	14.6373	14.5706	0.0000	0.0000	580	8,520,983.00
Aug 2019	DAUS	Future	55	14.6390	14.5724	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	2,072	14.6907	14.6234	0.0000	0.0000	439	6,482,027.80
Sep 2019	DAUS	Future	55	14.6961	14.6287	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	14.6998	14.6323	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	3,617	14.7161	14.6483	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	98	14.7470	14.6787	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.7507	14.6824	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	153	14.8046	14.7355	0.0000	0.0000	0	0.00
Nov 2019	DAUS	Future	97	14.8595	14.7889	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.8651	14.7944	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.8689	14.7982	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	45	14.9196	14.8483	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.9235	14.8521	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.9795	14.9065	0.0000	0.0000	0	0.00
Feb 2020	DAUS	Future	3,500	15.0336	14.9597	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.0394	14.9654	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.0997	15.0250	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.1542	15.0783	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.2227	15.1454	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.3384	15.2598	0.0000	0.0000	0	0.00
			<u>207,938</u>					<u>1,524.00</u>	<u>22,269,915.80</u>
									<u>11 959 273.00</u>
									<u>148 862 957 854.80</u>
Option									
Mar 2019	DAUS	13.88 Put	32,000	0.2900	4.0823	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	0.9419	9.6468	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.84 Call	15,000	578.8974	524.7197	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Call	6,500	421.8021	376.5000	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.18 Call	15,000	254.5584	225.1256	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.50 Put	20,000	137.4258	206.8487	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	0.0571	0.1432	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	0.8248	1.7334	0.0000	0.0000	0	0.00

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Mar 2019	DAUS	13.87 Call	600	557.5221	501.2038	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	37.5711	67.9910	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	47.5091	83.3384	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	113.3678	108.5259	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	37.4564	43.0983	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	1.3525	3.5325	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	0.1682	1.1745	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.00 Call	30,000	463.5532	412.6445	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	10.5533	14.5994	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	35,000	81.2024	106.1491	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	217.9938	189.7482	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.40 Call	20,000	256.6076	234.9521	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.44 Call	60,000	237.9600	218.6190	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.45 Call	40,000	233.4729	214.6967	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Call	25,000	394.9104	364.1806	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.50 Call	50,000	239.1437	222.8920	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.55 Call	25,000	219.7366	205.2678	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	4.5750	6.0681	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1003.9757	945.2809	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	157.7329	190.4355	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	178.0662	212.8652	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	166.0100	156.8969	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	50.9666	49.4701	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	29.2628	28.1964	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	823.4696	771.3960	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	478.0824	444.5175	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	500.0603	466.2291	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	157.9002	147.8737	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	117.9067	110.7214	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	9.8730	10.2467	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	244.3934	274.0527	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	266.0573	297.1909	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	246.0684	231.9146	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	109.3896	103.9610	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	74.9404	70.6040	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	130.8054	151.0609	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	204.5939	231.6576	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	239.2818	269.0566	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	18,000	281.6977	314.4603	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	25.7306	29.6554	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	217.4070	244.8855	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	288.6446	321.2495	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	14.25 Put	250	310.5713	344.5840	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	284.4095	273.5335	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	247.5310	238.5795	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	144.7474	140.9633	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	106.1694	103.5261	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	46.0174	51.8890	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	333.0853	366.2919	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	355.3674	389.8148	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	329.4934	318.8350	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	186.4734	181.6534	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	144.1304	141.0003	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	482.7411	523.1408	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	182.8118	178.4320	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	64.0422	71.7123	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	366.9220	400.5277	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	389.3632	424.1098	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	358.5691	347.9850	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	215.8435	210.7439	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	171.5203	168.0638	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	69.7263	70.8158	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	80.4042	89.7207	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	395.2268	429.4229	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	417.7286	452.9949	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	389.9179	379.4320	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	245.7957	240.3446	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	198.2161	194.3853	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	95.1311	106.0615	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	421.6959	456.1877	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	444.2887	479.7622	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	415.8874	405.1548	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	272.8393	266.1927	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	224.8592	219.7777	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	106.5965	118.7663	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	442.3270	477.5180	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	464.9398	501.0474	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	441.2824	429.6871	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	297.3909	289.7467	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	249.0622	243.0089	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	116.9772	130.3828	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	462.5063	497.9791	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	485.1096	521.4268	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	465.9635	454.0264	0.0000	0.0000	0	0.00

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Dec 2019	DAUS	17.05 Call	250	323.4944	315.3314	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.44 Call	250	275.0581	268.2441	0.0000	0.0000	0	0.00
			870,794					0.00	0.00
		Total	1,078,732					1,524.00	22,269,915.80
									36 309 502.00
									148 862 957 854.80
Future									
Jun 2019	EUUS	Future	5	1.1375	1.1399	0.0000	0.0000	0	0.00
			5					0.00	0.00
		Total	5					0.00	0.00
									745 994.00
									8 462 928 145.00
Future									
Jun 2019	GBUS	Future	5	1.3286	1.3268	0.0000	0.0000	0	0.00
Dec 2019	GBUS	Future	2,219	1.3397	1.3379	0.0000	0.0000	0	0.00
			2,224					0.00	0.00
		Total	2,224					0.00	0.00
									176 170.00
									2 268 656 737.00
Future									
Jun 2019	ZAAD	Future	17,563	10.4012	10.3080	10.3910	10.3910	5	51,955.00
Sep 2019	ZAAD	Future	1,731	10.5392	10.4452	0.0000	0.0000	0	0.00
Dec 2019	ZAAD	Future	400	10.6747	10.5780	0.0000	0.0000	0	0.00
			19,694					5.00	51,955.00
Option									
Dec 2019	ZAAD	11.00 Call	1,000	321.5535	292.7014	0.0000	0.0000	0	0.00
			1,000					0.00	0.00
		Total	20,694					5.00	51,955.00
									3 903 613.00
									33 931 045 812.60
Future									
Jun 2019	ZACA	Future	2,200	10.8941	10.8124	0.0000	0.0000	0	0.00
Sep 2019	ZACA	Future	400	11.0433	10.9601	0.0000	0.0000	0	0.00
			2,600					0.00	0.00
		Total	2,600					0.00	0.00
									155 613.00
									1 548 616 665.10
Future									
Jun 2019	ZADK	Future	450	2.2186	2.2135	0.0000	0.0000	0	0.00
			450					0.00	0.00
		Total	450					0.00	0.00
									13 825.00
									298 500 189.00
Future									
Jun 2019	ZAEU	Future	121,708	16.5547	16.5146	16.5795	16.4785	371	6,136,187.20
Sep 2019	ZAEU	Future	42,345	16.8750	16.8330	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	Future	32,686	17.1822	17.1368	0.0000	0.0000	0	0.00

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	Mar 2020	ZAEU	Future	4,361	17.5213	17.4720	0.0000	0.0000	0	0.00		
				<u>201,100</u>					<u>371.00</u>	<u>6,136,187.20</u>	<u>16 666 985.00</u>	<u>241 767 804 704.20</u>
Option												
	Jun 2019	ZAEU	15.35 Put	570	57.3379	65.3085	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.64 Call	300	434.8103	424.3486	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.73 Put	500	576.5239	607.2467	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	15.62 Put	14,429	176.6023	187.5969	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	18.27 Call	14,429	312.3759	307.5831	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	18.60 Call	40,000	260.4535	256.3403	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	13.73 Put	17,150	22.4307	25.3731	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	14.09 Put	136,646	36.7247	40.9929	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	15.70 Put	136,646	242.0652	252.1901	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	16.15 Put	17,150	377.8730	392.6938	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	19.79 Call	136,646	288.1052	283.1604	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	20.62 Call	17,150	210.7390	209.0981	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	732,716					371.00	6,136,187.20	28 367 398.00	241 767 804 704.20
Future												
	Jun 2019	ZAFR	Future	893	14.7487	14.7129	0.0000	0.0000	0	0.00		
				<u>893</u>					<u>0.00</u>	<u>0.00</u>	<u>632 252.00</u>	<u>6 836 290 145.90</u>
			Total	893					0.00	0.00	632 252.00	6 836 290 145.90
Future												
	Jun 2019	ZAGB	Future	121,665	19.3368	19.2229	19.3211	19.2126	79,074	1,530,176,661.00		
	Sep 2019	ZAGB	Future	21,179	19.6463	19.5291	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	Future	12,846	19.9417	19.8202	0.0000	0.0000	0	0.00		
	Mar 2020	ZAGB	Future	4,674	20.2664	20.1400	0.0000	0.0000	0	0.00		
				<u>160,364</u>					<u>79,074.00</u>	<u>1,530,176,661.00</u>	<u>14 638 134.00</u>	<u>251 670 626 441.90</u>
Option												
	Jun 2019	ZAGB	18.00 Call	1,000	1469.9201	1382.1324	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	18.75 Put	500	518.0572	558.7180	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	22.13 Call	500	409.9876	386.7483	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	162,364					79,074.00	1,530,176,661.00	16 428 447.00	251 670 626 441.90
Future												
	Jun 2019	ZAKS	Future	2,166	0.1423	0.1419	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	10.1978	10.1431	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
Future									
Jun 2019	ZATR	Future	40,000	2.4669	2.4141	0.0000	0.0000	0	0.00
			<u>40,000</u>					<u>0.00</u>	<u>0.00</u>
		Total	40,000					0.00	0.00
									516 277.00
									1 567 733 313.10
Future									
Jun 2019	ZAUM	Future	485	14.5538	14.4877	0.0000	0.0000	0	0.00
			<u>485</u>					<u>0.00</u>	<u>0.00</u>
		Total	485					0.00	0.00
									156 708.00
									182 170 338 140.00
Future									
Jun 2019	ZAUS	Future	844,843	14.5538	14.4877	14.5949	14.4623	148,922	2,166,843,080.40
Sep 2019	ZAUS	Future	27,777	14.7215	14.6536	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	Future	22,743	14.8857	14.8149	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	Future	10,345	15.0665	14.9921	0.0000	0.0000	0	0.00
Jun 2020	ZAUS	Future	700	15.2429	15.1651	0.0000	0.0000	0	0.00
			<u>906,408</u>					<u>148,922.00</u>	<u>2,166,843,080.40</u>
									201 901 147.00
									2 450 577 614 137.30
Option									
Jun 2019	ZAUS	10.69 Put	1,000	0.3118	0.3581	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	6.5940	7.3863	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	10.8441	12.4334	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	12.4575	14.3668	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.92 Put	2,100	15.8435	18.4436	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	17.2727	20.1696	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	17.7802	20.7829	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.10 Put	14,000	20.6038	26.2532	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.22 Put	122,704	30.1199	37.5802	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	31.9920	39.7836	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	32.9606	40.9219	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.28 Put	122,704	36.0018	44.4830	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.30 Put	143,800	38.1465	46.9840	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.35 Put	4,317	43.9300	53.6974	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	7,500	1119.0587	1065.7991	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	1036.9526	985.9574	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Put	700	83.1526	98.2574	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	136.9982	158.3672	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	811.2598	768.6262	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	160.5521	184.3071	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	757.0959	716.7716	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	23,500	743.9501	704.2046	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	301,700	190.1501	216.5046	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.06 Put	2,100	211.6608	239.7562	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	215.3849	243.7724	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	267.4362	299.5734	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,982	289.2478	322.8076	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.30 Put	30,000	312.0477	347.0132	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	539.6275	509.8812	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	504.5444	476.6994	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.44 Put	31,500	381.0668	419.8513	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	431.9489	409.2671	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	488.2635	532.8616	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	500.5534	545.6111	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.66 Call	122,704	400.5528	379.7364	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.72 Call	122,704	378.4450	358.9561	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	1,000	367.8387	348.9891	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	344.2048	326.7889	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	290.1259	276.0199	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	263.8861	251.3946	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	218.5353	208.5302	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	214.4188	204.6626	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	180.8326	173.0970	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	167.7475	160.7898	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	164.6395	157.8651	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	158.6049	152.1869	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	155.6799	149.4311	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	145.8909	140.2131	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	136.7742	131.6227	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	125.9638	121.4259	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	122.5740	118.2282	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	114.0221	109.7001	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	104.4666	100.6017	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	14.7990	14.1979	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	4.4737	4.8636	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	34.9296	40.0144	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	61.0517	68.9057	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	75.6099	84.8573	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	90.4890	101.0749	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	103.5259	117.1468	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1262.0921	1214.9297	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	13.70 Put	2,000	204.1863	225.8809	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	224.2936	247.3475	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	288.8220	317.7897	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	299.4249	329.8538	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	347.6978	380.7079	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	386.6423	421.5468	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	427.9002	464.6595	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	456.6743	494.6447	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.46 Put	17,287	506.8416	546.7773	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	14,000	749.1727	721.9740	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	609.5501	653.0299	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.70 Put	1,000	638.1339	682.9870	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	729.0144	776.4341	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	546.6841	528.5762	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	536.5204	518.8628	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	494.6800	478.8764	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1089.9841	1144.8945	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	398.4376	387.0072	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1225.0623	1282.0262	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	321.2614	313.0155	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	155.9173	153.1145	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	150.8549	148.2236	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	146.7877	144.2915	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	118.0143	117.1933	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	109.6722	109.2504	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	106.8515	106.4930	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	91.1154	91.0849	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	15.8014	17.3309	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	92.8606	103.4417	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	112.2993	124.8387	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	259.4242	283.2545	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	302.4836	328.5985	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	349.8643	378.2824	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	26,500	371.5128	400.9150	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	397.7873	429.0097	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	401.6320	433.3485	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	409.3845	442.0936	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	550.2474	589.7812	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	521.5200	507.3534	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	448.1055	436.4347	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.20 Call	50,100	434.1633	422.9579	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.25 Call	26,000	424.5252	413.6447	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	16.35 Call	4,150	406.0224	395.2785	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.37 Call	500	402.2514	391.6211	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.85 Call	1,351	322.8957	314.6641	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.02 Call	139,860	299.3522	291.8108	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	256.0291	249.7306	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	107.8941	102.1904	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	30.4374	34.7729	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	12.96 Put	277,778	140.7346	157.9393	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.06 Put	275,862	159.9967	178.4416	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	431.0844	462.7593	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.40 Put	277,778	594.5855	634.1368	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.51 Put	275,862	649.2200	690.3027	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.60 Call	277,778	527.5261	513.7383	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.81 Call	275,862	487.6115	474.9303	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	351.5268	342.5109	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	11.90 Put	900	52.5863	58.0177	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	14.25 Put	900	595.5288	630.1194	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	17.26 Call	900	594.2068	577.1131	0.0000	0.0000	0	0.00		
			<u>4,644,635</u>					<i>0.00</i>	<i>0.00</i>	<i>70 189 410.00</i>	<i>0.00</i>
	Total		5,551,043					148,922.00	2,166,843,080.40	272 090 557.00	2 450 577 614 137.30
Grand Total			7,703,837					230,040.00	3 728 098 185.50	371,955,335	3,398,882,182,060.72