



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 09-April-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Apr 2019	DAEU	Future	4	15.8451	15.9199	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	1	15.8801	15.9558	0.0000	0.0000	0	0.00
May 2019	DAEU	Future	2	15.9926	16.0688	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>
Option									
Feb 2020	DAEU	16.65 Call	21,000	987.0488	1043.7073	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	878.8840	931.5284	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	844.4505	895.6749	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	818.6305	868.7551	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>
		Total	66,007					0.00	0.00
									2 628 603.00
									12 205 897 911.20
Future									
Apr 2019	DAGB	Future	43	18.3335	18.4341	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	120	18.3672	18.4687	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	18.3763	18.4781	0.0000	0.0000	0	0.00
May 2019	DAGB	Future	91	18.4751	18.5774	0.0000	0.0000	0	0.00
			<u>281</u>					<i>0.00</i>	<i>0.00</i>
									<i>67 204.00</i>
									<i>1 127 816 817.20</i>
		Total	281					0.00	0.00
									274 517.00
									1 127 816 817.20
Future									
Apr 2019	DAUS	Future	1,883	14.0508	14.1255	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	349	14.0686	14.1439	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	15	14.0734	14.1490	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	4,563	14.0750	14.1507	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	32,500	14.0866	14.1621	0.0000	0.0000	32,500	457,561,000.00
May 2019	DAUS	Future	25,000	14.0899	14.1654	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	93	14.0965	14.1721	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	2	14.0999	14.1755	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	387	14.1231	14.1989	0.0000	0.0000	0	0.00

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May 2019	DAUS	Future	452	14.1264	14.2022	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.1331	14.2089	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	2,421	14.1732	14.2493	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.1783	14.2544	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	1,029	14.2289	14.3058	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.2305	14.3076	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	2,229	14.2796	14.3575	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.2846	14.3627	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.2880	14.3661	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	3,757	14.3033	14.3815	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	98	14.3324	14.4104	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.3358	14.4138	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	153	14.3859	14.4648	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	Future	97	14.4361	14.5159	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.4413	14.5211	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.4448	14.5246	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	45	14.4917	14.5715	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.4952	14.5750	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.5464	14.6258	0.0000	0.0000	0	0.00		
Feb 2020	DAUS	Future	3,500	14.5956	14.6767	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.6009	14.6822	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6560	14.7379	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.7069	14.7878	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.7731	14.8519	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.8805	14.9587	0.0000	0.0000	0	0.00		
			<u>164,647</u>					<u>32,500.00</u>	<u>457,561,000.00</u>	<u>12 093 636.00</u>	<u>150 775 383 475.10</u>
Option											
Apr 2019	DAUS	14.40 Call	20,000	23.5702	45.1459	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.44 Call	60,000	19.5700	38.4343	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.45 Call	40,000	18.6793	36.9096	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Call	25,000	88.3977	134.0018	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.50 Call	50,000	27.5788	51.1663	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.55 Call	25,000	22.3959	43.0667	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	3.9997	3.1675	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	605.6986	672.0475	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.95 Put	734	140.7515	104.8407	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Call	734	152.7340	175.4881	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Put	250	277.7340	224.7881	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.25 Put	250	311.0891	255.6059	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.45 Call	734	84.5479	96.6885	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	31.8976	36.2167	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	15.61 Call	250	3.7666	4.0135	0.0000	0.0000	0	0.00		

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Apr 2019	DAUS	15.96 Call	250	1.8202	1.9100	0.0000	0.0000	0	0.00
May 2019	DAUS	13.75 Put	22,000	101.7132	65.0322	0.0000	0.0000	0	0.00
May 2019	DAUS	14.03 Call	65,000	272.8532	0.0000	0.0000	0.0000	65,000	0.00
May 2019	DAUS	13.72 Call	50,000	471.8911	510.2882	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	213.7340	220.7195	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	239.3372	260.9775	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	49.6677	52.7739	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	33.3660	35.0715	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	20.8623	16.8199	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	373.9725	335.7964	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	404.7823	364.8045	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	99.6456	114.9516	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	31.0631	37.4299	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	16.1797	20.0373	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	208.8171	190.8840	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	313.9678	288.1535	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	361.8064	332.7558	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	18,000	421.5016	387.7874	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	34.7388	33.0722	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	325.5675	302.3192	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	421.6961	391.9998	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	451.4888	419.1764	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	139.5205	160.9195	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	117.5158	136.2297	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	58.8012	69.8762	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	39.3829	47.3567	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	62.4757	59.5672	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	469.2978	440.6347	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	497.3482	467.4102	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	184.5532	207.1077	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	92.8261	106.2173	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	68.5919	78.9519	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	655.2935	618.5350	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	94.7500	107.4324	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	87.3423	83.1319	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	506.3822	477.4002	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	534.0209	503.8869	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	217.0994	239.8183	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	120.2444	134.6482	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	92.7722	104.2770	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	29.0384	34.8285	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	111.0981	106.0033	0.0000	0.0000	0	0.00

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Sep 2019	DAUS	14.20 Put	250	536.8665	508.0948	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	564.1142	534.3120	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	249.5071	272.1941	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	147.7700	162.8635	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	116.6759	128.9308	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	132.8498	127.4363	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	565.5557	537.6436	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	592.5969	563.7322	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	277.3468	301.1227	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	173.1262	189.1406	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	140.5344	153.7894	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	150.9864	146.0550	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	588.3366	561.3490	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	615.2343	587.3304	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	303.2091	327.3166	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	196.5297	213.1972	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	162.6079	176.6895	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	169.6443	163.9114	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	609.7094	584.0350	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	636.4196	609.8864	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	327.4759	352.3877	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	220.7041	238.2142	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	186.8611	200.6798	0.0000	0.0000	0	0.00		
			<u>737,496</u>					<u>65,000.00</u>	<u>0.00</u>	<u>24 574 894.00</u>	<u>0.00</u>
Total			902,143					97,500.00	457,561,000.00	36 668 530.00	150 775 383 475.10
Future											
Jun 2019	EUUS	Future	5	1.1334	1.1328	0.0000	0.0000	0	0.00		
Sep 2019	EUUS	Future	143	1.1424	1.1417	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>
Total			148					0.00	0.00	746 137.00	8 464 558 774.00
Future											
Jun 2019	GBUS	Future	5	1.3088	1.3090	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>
Total			5					0.00	0.00	176 170.00	2 268 656 737.00
Future											
Jun 2019	ZAAD	Future	27,027	10.1068	10.1470	10.0872	10.0427	12,865	130,168,874.60		
Sep 2019	ZAAD	Future	1,731	10.2402	10.2818	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.3693	10.4123	0.0000	0.0000	0	0.00		

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			29,158					12,865.00	130,168,874.60	3 887 209.00	34 114 011 743.10	
Option												
	Dec 2019	ZAAD	11.00 Call	1,000	210.2768	224.9254	0.0000	0.0000	0	0.00		
				1,000					0.00	0.00	34 377.00	0.00
			Total	30,158					12,865.00	130,168,874.60	3 921 586.00	34 114 011 743.10
Future												
	Jun 2019	ZACA	Future	2,200	10.6412	10.6932	10.5865	10.5854	400	4,234,320.00		
	Sep 2019	ZACA	Future	1,165	10.7842	10.8377	0.0000	0.0000	0	0.00		
				3,365					400.00	4,234,320.00	158 248.00	1 577 210 800.10
			Total	3,365					400.00	4,234,320.00	158 248.00	1 577 210 800.10
Future												
	Jun 2019	ZADK	Future	235	2.1494	2.1595	2.1409	2.1409	250	5,352,250.00		
				235					250.00	5,352,250.00	14 810.00	319 921 189.00
			Total	235					250.00	5,352,250.00	14 810.00	319 921 189.00
Future												
	Jun 2019	ZAEU	Future	120,639	16.0380	16.1145	16.0611	16.0200	3,006	48,303,176.20		
	Sep 2019	ZAEU	Future	42,882	16.3456	16.4249	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	Future	32,686	16.6387	16.7210	0.0000	0.0000	0	0.00		
	Mar 2020	ZAEU	Future	4,361	16.9597	17.0451	0.0000	0.0000	0	0.00		
				200,568					3,006.00	48,303,176.20	16 700 412.00	242 311 200 833.50
Option												
	Jun 2019	ZAEU	15.35 Put	570	116.0606	105.9736	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.64 Call	300	196.4799	225.4791	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.73 Put	500	869.0245	819.4639	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	15.62 Put	14,429	278.7818	266.5544	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	15.85 Put	587	370.1417	353.4698	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	18.27 Call	14,429	169.7218	190.7756	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	13.73 Put	17,150	37.6143	35.3238	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	14.09 Put	136,646	58.3833	56.3262	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	14.23 Put	61,500	68.7906	66.9416	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	15.70 Put	136,646	348.4660	338.4816	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	15.85 Put	61,500	403.7908	389.9480	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	16.15 Put	17,150	536.9851	516.6784	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	19.79 Call	136,646	175.7966	192.6423	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	19.80 Call	61,500	175.0392	191.8216	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	20.62 Call	17,150	138.9264	150.4045	0.0000	0.0000	0	0.00		
				676,703					0.00	0.00	12 048 500.00	0.00
			Total	877,271					3,006.00	48,303,176.20	28 748 912.00	242 311 200 833.50

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Future											
Jun 2019	ZAFR	Future	1,093	14.2343	14.3298	14.2382	14.2382	100	1,423,820.00		
Sep 2019	ZAFR	Future	300	14.5214	14.6201	0.0000	0.0000	0	0.00		
			<u>1,393</u>					<u>100.00</u>	<u>1,423,820.00</u>	<u>633 002.00</u>	<u>6 847 394 595.90</u>
Total			1,393					100.00	1,423,820.00	633 002.00	6 847 394 595.90
Future											
Jun 2019	ZAGB	Future	119,007	18.5187	18.6212	18.6273	18.5100	1,076	19,926,560.30		
Sep 2019	ZAGB	Future	22,418	18.8124	18.9181	18.8536	18.8531	1,000	18,853,350.00		
Dec 2019	ZAGB	Future	12,845	19.0896	19.1980	0.0000	0.0000	0	0.00		
Mar 2020	ZAGB	Future	4,674	19.3892	19.5012	19.4267	19.4267	500	9,713,350.00		
			<u>158,944</u>					<u>2,576.00</u>	<u>48,493,260.30</u>	<u>14 680 716.00</u>	<u>252 477 701 735.10</u>
Total								2,576.00	48,493,260.30	16 471 529.00	252 477 701 735.10
Option											
Jun 2019	ZAGB	18.00 Call	1,000	768.7063	848.0365	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	19.15 Put	500	932.1448	885.2813	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	18.75 Put	500	764.4424	735.3435	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	22.13 Call	500	215.3454	238.2785	0.0000	0.0000	0	0.00		
			<u>2,500</u>					<u>0.00</u>	<u>0.00</u>	<u>1 790 813.00</u>	<u>0.00</u>
Total			161,444					2,576.00	48,493,260.30	16 471 529.00	252 477 701 735.10
Future											
Jun 2019	ZAKS	Future	2,166	0.1388	0.1400	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
Future											
Jun 2019	ZANZ	Future	0	9.5572	9.6077	9.4840	9.4840	250	2,371,000.00		
Sep 2019	ZANZ	Future	646	9.6825	9.7345	0.0000	0.0000	0	0.00		
			<u>646</u>					<u>250.00</u>	<u>2,371,000.00</u>	<u>147 042.00</u>	<u>1 130 048 204.60</u>
Total			646					250.00	2,371,000.00	167 042.00	1 130 048 204.60
Future											
Jun 2019	ZATR	Future	3,646	2.3840	2.3861	0.0000	0.0000	0	0.00		
			<u>3,646</u>					<u>0.00</u>	<u>0.00</u>	<u>556 277.00</u>	<u>1 668 453 313.10</u>
Total			3,646					0.00	0.00	556 277.00	1 668 453 313.10
Future											
Jun 2019	ZAUM	Future	480	14.1498	14.2257	14.1379	14.1299	10	14,133,900.00		
			<u>480</u>					<u>10.00</u>	<u>14,133,900.00</u>	<u>156 748.00</u>	<u>182 228 053 740.00</u>
Total			480					10.00	14,133,900.00	161 271.00	182 228 053 740.00

<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>		
Future											
Jun 2019	ZAUS	Future	857,043	14.1498	14.2257	14.1913	14.1192	37,554	531,764,311.00		
Sep 2019	ZAUS	Future	26,833	14.3085	14.3866	14.3486	14.3486	64	920,870.40		
Dec 2019	ZAUS	Future	22,753	14.4604	14.5403	14.4704	14.4704	25	361,760.00		
Mar 2020	ZAUS	Future	10,345	14.6256	14.7075	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	Future	700	14.7926	14.8707	0.0000	0.0000	0	0.00		
			<u>917,674</u>					<u>37,643.00</u>	<u>533,046,941.40</u>	<u>202 543 343.00</u>	<u>2 459 874 195 505.50</u>
Option											
Jun 2019	ZAUS	10.69 Put	1,000	0.2246	0.2842	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	4.1948	4.7844	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.65 Put	1,050	7.8095	7.9163	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	9.3169	9.1549	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.92 Put	2,100	18.5650	16.2022	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	23.1844	20.3819	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.00 Put	165,703	24.9088	21.9472	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.10 Put	14,000	35.0650	31.2191	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.22 Put	122,704	51.0783	45.9580	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	54.1982	48.8433	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.25 Put	4,582	55.8108	50.3342	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.28 Put	122,704	60.8560	55.0077	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.30 Put	143,800	64.3974	58.2927	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.35 Put	4,317	73.8997	67.1239	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.50 Call	7,500	757.9904	824.9510	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.60 Call	700	685.9294	750.5583	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.60 Put	700	136.1294	124.8583	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	217.3211	199.6980	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.90 Call	100	496.6451	552.7693	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.91 Put	1,000	251.2473	231.1571	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	1,000	453.1442	506.7155	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.00 Call	20,000	442.7259	495.6456	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.00 Put	301,700	292.9259	269.9456	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.06 Put	2,100	322.7523	297.7954	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.07 Put	39,589	327.8807	302.5909	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.20 Put	13,600	399.6744	368.8729	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.25 Put	1,982	429.9092	396.2800	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.30 Put	30,000	461.1591	425.9494	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.35 Call	1,050	293.1908	332.3240	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	269.8967	306.8929	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.44 Put	31,500	553.7666	514.2631	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	223.0572	255.4117	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.63 Put	8,203	690.3013	645.3842	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.65 Put	1,000	705.3274	659.8718	0.0000	0.0000	0	0.00		

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Jun 2019	ZAUS	14.66 Call	122,704	202.6840	232.8615	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.72 Call	122,704	188.6173	217.2278	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	1,000	181.9504	209.8019	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.78 Call	250	175.5187	202.6240	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	167.2962	193.4323	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	134.5220	156.8299	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	119.1756	139.4220	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	93.6699	110.2775	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	91.4541	107.7318	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	73.8334	87.4059	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	66.8720	79.7106	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	65.1097	77.9017	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	61.7201	74.4140	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	60.0906	72.6306	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	54.7121	66.4314	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	49.8084	60.7544	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	44.1392	54.1586	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	42.3949	52.1227	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	38.0745	47.0610	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	33.7381	41.9545	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	3.2533	4.4095	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	4.1350	4.2999	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	46.9359	45.6971	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	80.3423	78.3217	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	103.9330	98.9427	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	129.5162	122.9159	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	152.0420	144.0272	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	928.9548	990.7148	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	289.5638	272.2030	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.75 Put	1,000	309.4584	0.0000	0.0000	0.0000	1,000	0.00
Sep 2019	ZAUS	13.77 Put	28,500	317.6337	298.8105	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.80 Put	14,000	330.1305	310.6686	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.90 Put	5,908	373.8078	352.1750	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.92 Put	2,149	382.9129	360.8407	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	406.2110	383.0343	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	420.5585	396.7078	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.04 Call	1,000	708.6061	0.0000	0.0000	0.0000	1,000	0.00
Sep 2019	ZAUS	14.12 Put	177	480.6370	454.0775	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	528.4715	499.8673	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	578.6218	547.9678	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	614.1397	581.2899	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.46 Put	17,287	675.4891	639.9377	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	14.50 Call	14,000	509.2571	550.9913	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Put	14,000	700.7571	664.3913	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	799.0503	759.6924	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.70 Put	1,000	833.0047	792.6737	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.75 Call	1,000	426.0218	0.0000	0.0000	0.0000	1,000	0.00
Sep 2019	ZAUS	14.82 Put	1,000	916.7697	874.1729	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	938.1933	895.0473	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	356.5411	388.8289	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	349.1329	380.8067	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	318.9027	348.1724	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1345.5549	1293.3263	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	250.8751	274.9083	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1494.0560	1439.3141	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	196.6455	216.9181	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.66 Call	2,149	116.0843	129.0444	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.67 Call	14,000	115.3414	128.2290	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	87.0547	97.0907	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	84.3540	93.6568	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	82.5286	90.9066	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	69.7538	76.8382	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	64.4772	71.1473	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	62.6528	69.1800	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	52.5318	58.2545	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	27.8026	24.5060	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	134.4251	129.2579	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	159.4931	154.2788	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.03 Put	69,000	166.0628	160.5128	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	350.1070	335.7273	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	405.1975	386.7586	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	468.1932	447.1521	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	34,000	496.7093	474.5409	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	531.1106	507.6091	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	536.1202	512.4319	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	546.2218	522.1456	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.11 Put	24,055	551.3045	527.0409	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.12 Put	69,000	556.4161	531.9604	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	714.8619	684.8133	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	367.6579	394.9128	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	310.7813	335.2383	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.20 Call	50,100	299.8818	323.6079	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.25 Call	26,000	292.3656	315.5844	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.35 Call	4,150	277.9834	300.2154	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	16.37 Call	500	275.2077	297.2451	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.55 Call	24,055	251.6328	272.0057	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.85 Call	1,351	217.4623	235.3418	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.99 Call	69,000	203.4449	220.2720	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.02 Call	139,860	200.5876	217.1951	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	170.6480	184.0958	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	59.0958	66.0779	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	41.0843	41.9437	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	12.96 Put	277,778	199.0354	193.8452	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.06 Put	275,862	223.9939	217.6859	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.19 Put	272,897	259.0212	251.5120	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.78 Put	60,000	456.4156	441.9330	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	556.7621	536.8893	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.40 Put	277,778	760.0656	733.7155	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.51 Put	275,862	822.9575	794.7583	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.66 Put	272,897	912.3928	881.6887	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.60 Call	277,778	387.8759	414.0315	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.81 Call	275,862	357.1308	381.3506	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.04 Call	272,897	326.8846	349.1484	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	259.9465	273.9554	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.88 Call	60,000	251.7527	265.0257	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	11.90 Put	900	62.7259	63.8115	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	14.25 Put	900	720.6135	700.7407	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	17.26 Call	900	432.0429	456.9762	0.0000	0.0000	0	0.00		
			<u>5,898,892</u>					<u>3,000.00</u>	<u>0.00</u>	<u>71 668 316.00</u>	<u>0.00</u>
	Total		6,816,566					40,643.00	533,046,941.40	274 211 659.00	2 459 874 195 505.50
	Grand Total		8,865,954					157,600.00	1 245 088 542.50	374,965,479	3,411,852,586,711.22