



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 28-March-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Mar 2019	DAEU	Future	53	16.4789	16.4213	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	4	16.5358	16.4795	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	1	16.5730	16.5166	0.0000	0.0000	0	0.00
			<u>58</u>					<i>0.00</i>	<i>0.00</i>
									<i>816 161.00</i>
									<i>12 205 003 574.10</i>
Option									
Feb 2020	DAEU	16.65 Call	21,000	1485.7481	1442.8620	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	1344.5419	1304.9080	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	1299.2068	1260.0995	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	1264.9717	1226.2717	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	66,058					0.00	0.00
									<i>2 628 548.00</i>
									<i>12 205 003 574.10</i>
Future									
Mar 2019	DAGB	Future	80	19.2096	19.2682	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	43	19.2646	19.3247	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	120	19.3008	19.3607	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	19.3107	19.3705	0.0000	0.0000	0	0.00
May 2019	DAGB	Future	91	19.4147	19.4755	0.0000	0.0000	0	0.00
			<u>361</u>					<i>0.00</i>	<i>0.00</i>
									<i>67 017.00</i>
									<i>1 124 307 659.30</i>
		Total	361					0.00	0.00
									<i>274 330.00</i>
									<i>1 124 307 659.30</i>
Future									
Mar 2019	DAUS	Future	0	14.6806	14.5905	0.0000	0.0000	30,000	437,256,000.00
Mar 2019	DAUS	Future	3,409	14.6673	14.5922	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	10,000	14.6726	14.5975	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.6744	14.5992	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	30,000	14.6779	14.6027	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	2,025	14.6797	14.6045	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,830	14.6969	14.6220	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	349	14.7163	14.6414	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>		
Apr 2019	DAUS	Future	15	14.7217	14.6467	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	4,576	14.7235	14.6484	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	303	14.7358	14.6609	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	25,000	14.7393	14.6644	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	93	14.7464	14.6715	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	387	14.7745	14.6999	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	416	14.7781	14.7035	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.7852	14.7107	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	2,607	14.8282	14.7540	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.8337	14.7595	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	1,217	14.8883	14.8145	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.8901	14.8164	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	2,072	14.9433	14.8698	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.9489	14.8753	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.9526	14.8790	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	3,617	14.9692	14.8956	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	98	15.0008	14.9270	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.0045	14.9308	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	153	15.0585	14.9860	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	Future	97	15.1135	15.0421	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	15.1192	15.0479	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	15.1230	15.0518	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	45	15.1744	15.1040	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.1783	15.1079	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.2350	15.1650	0.0000	0.0000	0	0.00		
Feb 2020	DAUS	Future	3,500	15.2904	15.2195	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.2965	15.2256	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.3602	15.2889	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.4195	15.3478	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.4942	15.4220	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.6112	15.5401	0.0000	0.0000	0	0.00		
			<u>177,938</u>					<u>30,000.00</u>	<u>437,256,000.00</u>	<u>11 990 273.00</u>	<u>149 314 639 174.80</u>
Option											
Mar 2019	DAUS	13.00 Put	500	0.0000	0.0052	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.45 Put	600	0.0000	0.1642	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.87 Call	600	797.3230	723.5021	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.20 Put	250	1.1399	10.8240	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.25 Put	250	1.8212	14.6960	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.40 Call	600	274.5439	227.5173	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.67 Call	500	65.4343	66.9810	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	15.43 Call	250	0.6733	2.2712	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	15.79 Call	250	0.1245	0.2699	0.0000	0.0000	0	0.00		

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Apr 2019	DAUS	14.00 Call	30,000	688.4691	619.8732	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.68 Call	6,000	174.7852	0.0000	0.0000	0.0000	12,000	0.00
Apr 2019	DAUS	13.76 Put	100	4.0427	5.9739	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	389.9899	334.9588	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.40 Put	35,000	73.2224	95.8319	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.40 Call	20,000	408.4341	358.7201	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.44 Call	60,000	382.9986	335.2866	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.45 Call	40,000	376.8181	329.6080	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Call	25,000	580.1319	519.5529	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.50 Call	50,000	378.3073	330.8851	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.55 Call	25,000	350.1406	305.0885	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	3.0062	3.4124	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1245.4506	1171.5968	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	89.1639	104.8263	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	102.8557	120.4093	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	255.5288	224.1824	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	81.9336	71.6121	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	48.2245	42.4720	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	1052.2425	981.4243	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	656.3065	596.2172	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	672.5413	613.0651	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	228.0696	200.6228	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	172.9194	151.1149	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	10.8747	9.1538	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	176.7525	189.7160	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	193.8782	207.9744	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	347.0308	309.0061	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	160.2337	140.2010	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	112.7253	98.2092	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	93.0749	100.2858	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	149.1425	161.0115	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	176.5752	190.2855	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	18,000	210.6131	226.5056	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	25.0913	26.7755	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	165.1957	179.6346	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	222.3545	241.2083	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	240.5186	260.3414	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	387.8886	354.6547	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	340.1630	310.2104	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	203.8804	184.3268	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	153.3813	137.8025	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	42.3147	44.4277	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	14.20 Put	250	266.9852	284.5560	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	285.9593	304.3578	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	434.4310	399.9337	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	251.6663	229.7239	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.50 Call	250	198.2033	179.7276	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,147	399.4482	420.3999	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,147	246.1400	224.8332	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	56.8444	59.4087	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	301.8181	316.9414	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	321.2473	337.1741	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	463.0295	428.1157	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	285.3844	261.9784	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	229.4927	209.3305	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	88.5401	81.4943	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	69.5987	72.7153	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	333.0262	345.8111	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	351.3938	366.2701	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	495.0202	459.2556	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	319.6851	293.8732	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	259.6922	237.9251	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	80.8631	84.8978	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	362.8973	374.6716	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	381.4973	393.8566	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	519.9685	484.5743	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	347.7461	321.6105	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	288.4060	265.7699	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	88.9860	93.8688	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	387.2870	398.0247	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	406.0343	417.2702	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	545.3020	509.9471	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	374.0782	347.1022	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	314.9106	291.3388	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	96.1074	101.5860	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	411.3748	420.5091	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	430.2186	439.7817	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	570.3520	534.0241	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	402.4380	373.8113	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	343.5345	318.2246	0.0000	0.0000	0	0.00		
			<u>723,294</u>					<u>12,000.00</u>	<u>0.00</u>	<u>24 439 312.00</u>	<u>0.00</u>
	Total		901,232					42,000.00	437,256,000.00	36 429 585.00	149 314 639 174.80

Future

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
	Jun 2019	EUUS	Future	5	1.1308	1.1327	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	1.3147	1.3254	0.0000	0.0000	0	0.00		
	Dec 2019	GBUS	Future	2,219	1.3255	1.3362	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	10.5007	10.4430	10.5284	10.4008	1,657	17,365,125.20		
	Sep 2019	ZAAD	Future	1,731	10.6416	10.5843	10.6230	10.5377	250	2,642,955.00		
	Dec 2019	ZAAD	Future	400	10.7772	10.7222	0.0000	0.0000	0	0.00		
				19,694					1,907.00	20,008,080.20	3 871 797.00	33 957 882 777.80
Option												
	Dec 2019	ZAAD	11.00 Call	1,000	381.5372	354.2470	0.0000	0.0000	0	0.00		
				1,000					0.00	0.00	34 377.00	0.00
			Total	20,694					1,907.00	20,008,080.20	3 906 174.00	33 957 882 777.80
Future												
	Jun 2019	ZACA	Future	2,200	11.0638	11.0001	10.9597	10.9597	150	1,643,955.00		
	Sep 2019	ZACA	Future	300	11.2159	11.1526	11.2010	11.2010	150	1,680,150.00		
				2,500					300.00	3,324,105.00	156 313.00	1 556 354 000.10
			Total	2,500					300.00	3,324,105.00	156 313.00	1 556 354 000.10
Future												
	Jun 2019	ZADK	Future	200	2.2436	2.2355	2.2282	2.2282	250	5,570,500.00		
				200					250.00	5,570,500.00	14 075.00	304 070 689.00
			Total	200					250.00	5,570,500.00	14 075.00	304 070 689.00
Future												
	Jun 2019	ZAEU	Future	120,519	16.7392	16.6827	16.8276	16.5837	2,417	40,499,188.20		
	Sep 2019	ZAEU	Future	42,845	17.0638	17.0077	17.0931	16.9022	1,500	25,518,675.00		
	Dec 2019	ZAEU	Future	32,686	17.3743	17.3182	0.0000	0.0000	0	0.00		
	Mar 2020	ZAEU	Future	4,361	17.7143	17.6604	0.0000	0.0000	0	0.00		
				200,411					3,917.00	66,017,863.20	16 671 055.00	241 836 426 780.70
Option												
	Jun 2019	ZAEU	15.35 Put	570	45.6027	49.7830	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.64 Call	300	543.8919	511.3694	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.73 Put	500	493.6773	519.6252	0.0000	0.0000	0	0.00		

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Sep 2019	ZAEU	15.62 Put	14,429	160.5642	167.7265	0.0000	0.0000	0	0.00	
Sep 2019	ZAEU	15.85 Put	587	216.0543	224.7811	0.0000	0.0000	0	0.00	
Sep 2019	ZAEU	18.27 Call	14,429	380.9467	357.1167	0.0000	0.0000	0	0.00	
Sep 2019	ZAEU	18.60 Call	40,000	320.3256	299.0236	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	13.73 Put	17,150	23.6662	24.7664	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	14.09 Put	136,646	33.4550	36.4072	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	15.70 Put	136,646	224.1010	231.0168	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	16.15 Put	17,150	350.4614	359.4795	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	19.79 Call	136,646	339.5856	320.0458	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	248.4280	232.9519	0.0000	0.0000	0	0.00	
			532,203					0.00	0.00	11 701 000.00
		Total	732,614					3,917.00	66,017,863.20	28 372 055.00 241 836 426 780.70
Future										
Jun 2019	ZAFR	Future	1,093	14.9634	14.9130	14.8111	14.8111	250	3,702,775.00	
Sep 2019	ZAFR	Future	300	15.2683	15.2183	15.2486	15.1003	300	4,545,565.00	
			1,393					550.00	8,248,340.00	632 802.00 6 844 538 485.90
		Total	1,393					550.00	8,248,340.00	632 802.00 6 844 538 485.90
Future										
Jun 2019	ZAGB	Future	121,720	19.4613	19.5219	19.5855	19.4500	2,114	41,273,242.00	
Sep 2019	ZAGB	Future	21,179	19.7726	19.8365	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	Future	12,846	20.0685	20.1354	0.0000	0.0000	0	0.00	
Mar 2020	ZAGB	Future	4,674	20.3926	20.4624	0.0000	0.0000	0	0.00	
			160,419					2,114.00	41,273,242.00	14 643 738.00 251 779 628 431.40
Option										
Jun 2019	ZAGB	18.00 Call	1,000	1590.5240	1637.6868	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	18.75 Put	500	519.3536	488.2351	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	22.13 Call	500	475.6180	471.7324	0.0000	0.0000	0	0.00	
			2,000					0.00	0.00	1 790 313.00 0.00
		Total	162,419					2,114.00	41,273,242.00	16 434 051.00 251 779 628 431.40
Future										
Jun 2019	ZAKS	Future	2,166	0.1457	0.1440	0.0000	0.0000	0	0.00	
			2,166					0.00	0.00	38 066.00 515 662 000.00
		Total	2,166					0.00	0.00	38 066.00 515 662 000.00
Future										
Sep 2019	ZANZ	Future	646	10.2115	10.1577	0.0000	0.0000	0	0.00	
			646					0.00	0.00	146 792.00 1 127 677 204.60
		Total	646					0.00	0.00	166 792.00 1 127 677 204.60

<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	ZATR	Future	3,646	2.4471	2.4555	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	475	14.8031	14.7287	14.7775	14.6433	10	14,710,400.00		
			<u>475</u>					<u>10.00</u>	<u>14,710,400.00</u>	<u>156 718.00</u>	<u>182 185 048 540.00</u>
		Total	475					10.00	14,710,400.00	161 241.00	182 185 048 540.00
Future											
Jun 2019	ZAUS	Future	827,259	14.8031	14.7287	14.8735	14.7380	111,515	1,650,570,303.80		
Sep 2019	ZAUS	Future	26,421	14.9748	14.9011	14.9600	14.9445	1,515	22,652,150.00		
Dec 2019	ZAUS	Future	22,743	15.1401	15.0691	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	10,345	15.3249	15.2539	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	Future	700	15.5161	15.4438	0.0000	0.0000	0	0.00		
			<u>887,468</u>					<u>113,030.00</u>	<u>1,673,222,453.80</u>	<u>202 110 718.00</u>	<u>2 453 670 327 545.90</u>
Option											
Jun 2019	ZAUS	10.69 Put	1,000	0.2578	0.2901	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	6.0742	6.4734	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.65 Put	1,050	10.2079	10.5705	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	11.7691	12.1053	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.92 Put	2,100	15.0240	15.2942	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	16.3875	16.6282	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.00 Put	165,703	16.8707	17.1006	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.10 Put	14,000	19.5200	19.6903	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.22 Put	122,704	23.2877	23.3735	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	23.9872	24.0568	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.25 Put	4,582	24.3448	24.4100	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.28 Put	122,704	25.4524	26.7515	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.30 Put	143,800	26.2474	28.4067	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.35 Put	4,317	30.3694	32.8940	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.50 Call	7,500	1348.8827	1278.3611	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.60 Call	700	1262.0382	1192.6479	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.60 Put	700	58.9382	63.9479	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	99.4925	107.8420	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.90 Call	100	1018.1070	953.2755	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.91 Put	1,000	117.3534	127.1021	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	1,000	957.7989	894.4691	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.00 Call	23,500	943.0583	880.1230	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.00 Put	301,700	139.9583	151.4230	0.0000	0.0000	0	0.00		

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Jun 2019	ZAUS	14.06 Put	2,100	156.6251	169.5619	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	159.5749	172.7170	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	201.2289	217.1454	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,982	218.9051	235.9446	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.30 Put	30,000	237.5076	255.6987	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	710.1436	655.1045	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	669.0579	615.6931	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.44 Put	31,500	294.5535	316.0728	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	581.9478	532.5135	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	383.5358	409.7531	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	393.6628	420.3806	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.66 Call	122,704	541.8798	494.4465	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.72 Call	122,704	513.3219	467.3920	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	1,000	499.5143	454.3359	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.78 Call	250	486.0164	442.1701	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	468.8541	426.4227	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	399.7130	361.9305	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	365.6115	330.2996	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	305.7371	275.0783	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	300.3134	270.0999	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	255.7069	229.2059	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	238.0860	213.0889	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	233.8633	209.2488	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	225.6495	201.7863	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	221.6559	198.1614	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	208.2514	186.0095	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	195.6980	174.6546	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	180.7269	161.1408	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	176.0127	156.8937	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	164.0765	146.1529	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	151.6874	135.0269	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	27.1506	22.7228	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	4.4227	4.6602	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	29.0275	31.8849	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	52.5513	55.4442	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	65.7911	68.5331	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	79.3699	81.8912	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	91.2899	93.5848	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1483.6809	1416.6108	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	170.4655	177.5661	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	187.6444	195.4359	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.80 Put	14,000	195.3549	0.0000	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	13.90 Put	5,908	222.6074	231.7798	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.92 Put	2,149	228.3458	0.0000	0.0000	0.0000	4,298	0.00
Sep 2019	ZAUS	13.97 Put	800	243.1225	253.0914	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	252.2819	262.6038	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	291.1682	302.9586	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	322.7133	337.2650	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	357.6908	374.6180	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	382.9594	400.7654	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.46 Put	17,287	427.2392	446.5303	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	14,000	920.5019	866.6965	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Put	14,000	445.7019	465.5965	0.0000	0.0000	14,000	0.00
Sep 2019	ZAUS	14.65 Put	3,000	518.6926	540.8596	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.70 Put	1,000	544.3144	567.2470	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	624.9558	650.1825	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	686.1366	640.5017	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	674.1591	629.0602	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	624.5864	581.7802	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	954.0821	988.7508	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	508.6390	471.7527	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1079.1895	1116.8100	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	413.3506	381.9849	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.66 Call	2,149	266.5351	0.0000	0.0000	0.0000	2,149	0.00
Sep 2019	ZAUS	16.67 Call	14,000	265.0509	0.0000	0.0000	0.0000	14,000	0.00
Sep 2019	ZAUS	17.12 Call	17,287	207.1012	188.8661	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	200.5426	182.8063	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	195.2628	177.9289	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	157.6699	143.2980	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	141.8120	128.7434	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	136.2909	124.3072	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	115.2282	105.2819	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	15.1536	15.9207	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	75.7489	80.5934	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	93.2861	98.4132	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	228.5347	233.9766	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	266.8601	273.1314	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	309.1747	316.3473	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	26,500	328.5484	336.1349	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	352.1102	360.1895	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	355.5579	363.7151	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	362.5206	370.8222	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.11 Put	24,055	366.0358	374.4079	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	481.5860	495.6508	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	15.80 Call	250	639.0621	598.6672	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.13 Call	52,300	551.4803	515.4494	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.20 Call	50,100	534.7993	499.5681	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.25 Call	26,000	523.2410	488.5728	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.35 Call	4,150	500.9975	467.4383	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.37 Call	500	496.6876	463.3412	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.55 Call	24,055	459.7892	428.3510	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.85 Call	1,351	403.7845	374.8106	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.02 Call	139,860	375.1991	347.7418	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	322.2007	297.7043	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	146.8130	130.6556	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	35.3599	34.2997	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	12.96 Put	277,778	129.6427	131.0827	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.06 Put	275,862	146.7905	148.5974	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.19 Put	272,897	171.3906	0.0000	0.0000	0.0000	272,897	0.00		
Mar 2020	ZAUS	13.78 Put	60,000	318.6167	324.2050	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	392.1104	398.9103	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.40 Put	277,778	538.7934	548.0965	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.51 Put	275,862	585.2178	595.6601	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.66 Put	272,897	655.8428	0.0000	0.0000	0.0000	272,897	0.00		
Mar 2020	ZAUS	16.60 Call	277,778	635.1566	597.2573	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.81 Call	275,862	589.5829	553.6498	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.04 Call	272,897	543.2376	0.0000	0.0000	0.0000	272,897	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	428.2700	399.7072	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.88 Call	60,000	407.4675	379.9871	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	11.90 Put	900	49.8874	51.0154	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	14.25 Put	900	533.5046	544.8817	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	17.26 Call	900	696.6759	662.5053	0.0000	0.0000	0	0.00		
			<u>5,683,892</u>					<u>853,138.00</u>	<u>0.00</u>	<u>71 216 816.00</u>	<u>0.00</u>
	Total		6,571,360					966,168.00	1,673,222,453.80	273 327 534.00	2 453 670 327 545.90
	Grand Total		8,467,993					1,017,216.00	2 269 630 984.20	373,409,127	3,402,768,024,395.52