



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 29-March-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Mar 2019	DAEU	Future	0	16.2647	16.4789	0.0000	0.0000	53	862,029.10
Apr 2019	DAEU	Future	4	16.3032	16.5358	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	1	16.3396	16.5730	0.0000	0.0000	0	0.00
			<u>5</u>					<u>53.00</u>	<u>862,029.10</u>
									<u>816 214.00</u>
									<u>12 205 865 603.20</u>
Option									
Feb 2020	DAEU	16.65 Call	21,000	1332.4205	1485.7481	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	1204.2562	1344.5419	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	1162.7454	1299.2068	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	1131.4378	1264.9717	0.0000	0.0000	0	0.00
			<u>66,000</u>					<u>0.00</u>	<u>0.00</u>
									<u>1 812 387.00</u>
									<u>0.00</u>
		Total	66,005					53.00	862,029.10
									2 628 601.00
									12 205 865 603.20
Future									
Mar 2019	DAGB	Future	0	18.9274	19.2096	0.0000	0.0000	80	1,514,192.00
Apr 2019	DAGB	Future	43	18.8530	19.2646	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	120	18.8880	19.3008	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	18.8976	19.3107	0.0000	0.0000	0	0.00
May 2019	DAGB	Future	91	18.9994	19.4147	0.0000	0.0000	0	0.00
			<u>281</u>					<u>80.00</u>	<u>1,514,192.00</u>
									<u>67 097.00</u>
									<u>1 125 821 851.30</u>
		Total	281					80.00	1,514,192.00
									274 410.00
									1 125 821 851.30
Future									
Mar 2019	DAUS	Future	0	14.4772	14.6673	0.0000	0.0000	3,409	49,352,774.80
Apr 2019	DAUS	Future	10,000	14.4781	14.6726	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.4798	14.6744	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	30,000	14.4833	14.6779	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	2,025	14.4851	14.6797	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,830	14.5024	14.6969	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	349	14.5214	14.7163	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	15	14.5266	14.7217	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	4,563	14.5284	14.7235	0.0000	0.0000	13	190,474.70
May 2019	DAUS	Future	303	14.5405	14.7358	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	25,000	14.5440	14.7393	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	93	14.5509	14.7464	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	2	14.5544	14.6520	0.0000	0.0000	2	29,304.00
May 2019	DAUS	Future	387	14.5787	14.7745	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	416	14.5822	14.7781	0.0000	0.0000	35	513,940.00
Jun 2019	DAUS	Future	74	14.5893	14.7852	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	2,421	14.6315	14.8282	0.0000	0.0000	186	2,723,691.00
Jul 2019	DAUS	Future	55	14.6368	14.8337	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	1,029	14.6899	14.8883	0.0000	0.0000	188	2,762,378.00
Aug 2019	DAUS	Future	55	14.6917	14.8901	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	2,229	14.7431	14.9433	0.0000	0.0000	157	2,313,834.60
Sep 2019	DAUS	Future	55	14.7485	14.9489	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	14.7522	14.9526	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	3,617	14.7684	14.9692	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	98	14.7991	15.0008	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.8028	15.0045	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	153	14.8560	15.0585	0.0000	0.0000	0	0.00
Nov 2019	DAUS	Future	97	14.9095	15.1135	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.9150	15.1192	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.9187	15.1230	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	45	14.9688	15.1744	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.9726	15.1783	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.0273	15.2350	0.0000	0.0000	0	0.00
Feb 2020	DAUS	Future	3,500	15.0810	15.2904	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.0868	15.2965	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.1467	15.3602	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.2026	15.4195	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.2730	15.4942	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.3870	15.6112	0.0000	0.0000	0	0.00
			<u>174,301</u>					<u>3,990.00</u>	<u>57,886,397.10</u>
									<u>11 994 263.00</u>
									<u>149 372 525 571.90</u>
Option									
Apr 2019	DAUS	14.00 Call	30,000	503.8897	688.4691	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.68 Call	6,000	72.1313	174.7852	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	6.4611	4.0427	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	231.6239	389.9899	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.40 Put	35,000	115.1392	73.2224	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.40 Call	20,000	275.9523	408.4341	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.44 Call	60,000	255.9988	382.9986	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.45 Call	40,000	251.1977	376.8181	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Call	25,000	425.3551	580.1319	0.0000	0.0000	0	0.00

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Apr 2019	DAUS	14.50 Call	50,000	258.2141	378.3073	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.55 Call	25,000	236.9881	350.1406	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	4.0300	3.0062	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1054.0702	1245.4506	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	133.4658	89.1639	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	152.0582	102.8557	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	174.8942	255.5288	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	51.2230	81.9336	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	29.2922	48.2245	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	869.6174	1052.2425	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	510.2641	656.3065	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	534.2336	672.5413	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	169.3948	228.0696	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	126.2336	172.9194	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	9.4218	10.8747	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	233.3569	176.7525	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	254.1580	193.8782	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	269.9562	347.0308	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	120.6226	160.2337	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	83.1247	112.7253	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	125.3771	93.0749	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	196.4155	149.1425	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	229.8710	176.5752	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	18,000	270.8287	210.6131	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	25.6227	25.0913	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	210.3766	165.1957	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	279.6229	222.3545	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	300.9578	240.5186	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	311.0529	387.8886	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	271.3431	340.1630	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	159.7076	203.8804	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	117.8201	153.3813	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	48.2167	42.3147	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	329.1619	266.9852	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	350.9254	285.9593	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	359.9532	434.4310	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	205.8969	251.6663	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	159.7255	198.2033	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	477.5092	399.4482	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	202.2041	246.1400	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	67.9584	56.8444	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	367.0243	301.8181	0.0000	0.0000	0	0.00

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Aug 2019	DAUS	14.25 Put	250	388.9995	321.2473	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	391.4055	463.0295	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	238.2728	285.3844	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	190.0961	229.4927	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	76.9191	88.5401	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	85.6880	69.5987	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	399.1519	333.0262	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	421.2077	351.3938	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	424.8517	495.0202	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	271.1340	319.6851	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	219.5815	259.6922	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	100.8789	80.8631	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	429.5012	362.8973	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	451.7381	381.4973	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	453.4650	519.9685	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	300.6349	347.7461	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	248.8057	288.4060	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	112.4858	88.9860	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	453.7915	387.2870	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	476.1269	406.0343	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	480.7765	545.3020	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	327.4704	374.0782	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	275.4175	314.9106	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	125.0468	96.1074	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	477.7478	411.3748	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	500.1216	430.2186	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	507.6981	570.3520	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	356.1449	402.4380	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	303.9239	343.5345	0.0000	0.0000	0	0.00		
			<u>719,494</u>					<u>0.00</u>	<u>0.00</u>	<u>24 439 312.00</u>	<u>0.00</u>
Total			893,795					3,990.00	57,886,397.10	36 433 575.00	149 372 525 571.90
Future											
Jun 2019	EUUS	Future	5	1.1298	1.1308	0.0000	0.0000	0	0.00		
Sep 2019	EUUS	Future	143	1.1386	1.1395	0.0000	0.0000	143	1,630,629.00		
			<u>148</u>					<u>143.00</u>	<u>1,630,629.00</u>	<u>746 137.00</u>	<u>8 464 558 774.00</u>
Total			148					143.00	1,630,629.00	746 137.00	8 464 558 774.00
Future											
Jun 2019	GBUS	Future	5	1.3038	1.3147	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>

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Total			5					0.00	0.00	176 170.00	2 268 656 737.00
Future											
Jun 2019	ZAAD	Future	17,563	10.3683	10.5007	0.0000	0.0000	0	0.00		
Sep 2019	ZAAD	Future	1,731	10.5069	10.6416	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.6408	10.7772	0.0000	0.0000	0	0.00		
			<u>19,694</u>					<u>0.00</u>	<u>0.00</u>	3 871 797.00	33 957 882 777.80
Option											
Dec 2019	ZAAD	11.00 Call	1,000	331.0907	381.5372	0.0000	0.0000	0	0.00		
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	34 377.00	0.00
Total			20,694					0.00	0.00	3 906 174.00	33 957 882 777.80
Future											
Jun 2019	ZACA	Future	2,200	10.9519	11.0638	0.0000	0.0000	0	0.00		
Sep 2019	ZACA	Future	550	11.1002	11.2159	11.0465	11.0465	250	2,761,625.00		
			<u>2,750</u>					<u>250.00</u>	<u>2,761,625.00</u>	156 563.00	1 559 115 625.10
Total			2,750					250.00	2,761,625.00	156 563.00	1 559 115 625.10
Future											
Jun 2019	ZADK	Future	200	2.2119	2.2436	0.0000	0.0000	0	0.00		
			<u>200</u>					<u>0.00</u>	<u>0.00</u>	14 075.00	304 070 689.00
Total			200					0.00	0.00	14 075.00	304 070 689.00
Future											
Jun 2019	ZAEU	Future	120,764	16.5034	16.7392	16.6490	16.4730	512	8,479,387.80		
Sep 2019	ZAEU	Future	42,595	16.8217	17.0638	16.8593	16.8593	250	4,214,825.00		
Dec 2019	ZAEU	Future	32,686	17.1281	17.3743	0.0000	0.0000	0	0.00		
Mar 2020	ZAEU	Future	4,361	17.4612	17.7143	0.0000	0.0000	0	0.00		
			<u>200,406</u>					<u>762.00</u>	<u>12,694,212.80</u>	16 671 817.00	241 849 120 993.50
Option											
Jun 2019	ZAEU	15.35 Put	570	68.5555	45.6027	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	16.64 Call	300	425.8971	543.8919	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	16.73 Put	500	620.0789	493.6773	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	15.62 Put	14,429	206.6893	160.5642	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	15.85 Put	587	273.0402	216.0543	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.27 Call	14,429	319.7191	380.9467	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	40,000	267.3093	320.3256	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	13.73 Put	17,150	26.0647	23.6662	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	14.09 Put	136,646	43.4879	33.4550	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	14.23 Put	61,500	52.4588	0.0000	0.0000	0.0000	123,000	0.00		
Dec 2019	ZAEU	15.70 Put	136,646	275.9311	224.1010	0.0000	0.0000	0	0.00		

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Dec 2019	ZAEU	15.85 Put	61,500	319.7599	0.0000	0.0000	0.0000	61,500	0.00	
Dec 2019	ZAEU	16.15 Put	17,150	420.4647	350.4614	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	19.79 Call	136,646	295.8848	339.5856	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	19.80 Call	61,500	294.7346	0.0000	0.0000	0.0000	123,000	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	218.8869	248.4280	0.0000	0.0000	0	0.00	
			716,703					307,500.00	0.00	12 008 500.00
		Total	917,109					308,262.00	12,694,212.80	28 680 317.00 241 849 120 993.50
Future										
Jun 2019	ZAFR	Future	1,093	14.7764	14.9634	0.0000	0.0000	0	0.00	
Sep 2019	ZAFR	Future	300	15.0761	15.2683	0.0000	0.0000	0	0.00	
			1,393					0.00	0.00	632 802.00 6 844 538 485.90
		Total	1,393					0.00	0.00	632 802.00 6 844 538 485.90
Future										
Jun 2019	ZAGB	Future	118,489	19.0449	19.4613	19.3393	19.0749	7,494	144,203,009.30	
Sep 2019	ZAGB	Future	21,179	19.3483	19.7726	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	Future	12,846	19.6378	20.0685	0.0000	0.0000	0	0.00	
Mar 2020	ZAGB	Future	4,674	19.9524	20.3926	0.0000	0.0000	0	0.00	
			157,188					7,494.00	144,203,009.30	14 651 232.00 251 923 831 440.70
Option										
Jun 2019	ZAGB	18.00 Call	1,000	1238.1265	1590.5240	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	18.75 Put	500	648.4299	519.3536	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	22.13 Call	500	370.2982	475.6180	0.0000	0.0000	0	0.00	
			2,000					0.00	0.00	1 790 313.00 0.00
		Total	159,188					7,494.00	144,203,009.30	16 441 545.00 251 923 831 440.70
Future										
Jun 2019	ZAKS	Future	2,166	0.1426	0.1457	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	10.0964	10.2115	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
Future										
Jun 2019	ZATR	Future	3,646	2.4202	2.4471	0.0000	0.0000	0	0.00	
			3,646					0.00	0.00	556 277.00 1 668 453 313.10
		Total	3,646					0.00	0.00	556 277.00 1 668 453 313.10

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Future										
Jun 2019	ZAUM	Future	480	14.6068	14.8031	14.6370	14.6370	5	7,318,500.00	
			480					5.00	7,318,500.00	156 723.00 182 192 367 040.00
		Total	480					5.00	7,318,500.00	161 246.00 182 192 367 040.00
Future										
Jun 2019	ZAUS	Future	832,743	14.6068	14.8031	14.7500	14.5700	50,396	739,779,698.30	
Sep 2019	ZAUS	Future	26,421	14.7738	14.9748	14.8300	14.8300	1,000	14,825,000.00	
Dec 2019	ZAUS	Future	22,753	14.9354	15.1401	14.9529	14.9529	10	149,529.00	
Mar 2020	ZAUS	Future	10,345	15.1136	15.3249	0.0000	0.0000	0	0.00	
Jun 2020	ZAUS	Future	700	15.2937	15.5161	0.0000	0.0000	0	0.00	
			892,962					51,406.00	754,754,227.30	202 162 124.00 2 454 425 081 773.20
Option										
Jun 2019	ZAUS	10.69 Put	1,000	0.3116	0.2578	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.28 Put	1,000	6.3856	6.0742	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.65 Put	1,050	10.7863	10.2079	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.75 Put	1,000	12.4679	11.7691	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.92 Put	2,100	16.0061	15.0240	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.98 Put	911	17.5013	16.3875	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.00 Put	165,703	18.0319	16.8707	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.10 Put	14,000	20.9612	19.5200	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.22 Put	122,704	28.2409	23.2877	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.24 Put	30,000	30.0349	23.9872	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.25 Put	4,582	30.9641	24.3448	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.28 Put	122,704	33.8833	25.4524	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.30 Put	143,800	35.9435	26.2474	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.35 Put	4,317	41.5094	30.3694	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.50 Call	7,500	1168.8972	1348.8827	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.60 Call	700	1086.2222	1262.0382	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.60 Put	700	79.4222	58.9382	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.83 Put	25,000	131.7125	99.4925	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.90 Call	100	858.1494	1018.1070	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.91 Put	1,000	154.3320	117.3534	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.98 Call	1,000	803.0865	957.7989	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.00 Call	23,500	789.7057	943.0583	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.00 Put	301,700	182.9057	139.9583	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.06 Put	2,100	203.6875	156.6251	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.07 Put	39,589	207.2879	159.5749	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.20 Put	13,600	257.6353	201.2289	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.25 Put	1,982	278.7546	218.9051	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.30 Put	30,000	300.8433	237.5076	0.0000	0.0000	0	0.00	

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Jun 2019	ZAUS	14.35 Call	1,050	580.6948	710.1436	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	544.5653	669.0579	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.44 Put	31,500	367.7831	294.5535	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	468.8241	581.9478	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	470.7135	383.5358	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	482.5574	393.6628	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.66 Call	122,704	435.3310	541.8798	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.72 Call	122,704	411.8854	513.3219	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	1,000	400.6118	499.5143	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.78 Call	250	389.6305	486.0164	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	375.4338	468.8541	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	317.5051	399.7130	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	289.2266	365.6115	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	240.0644	305.7371	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	235.6452	300.3134	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	199.2666	255.7069	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	185.0120	238.0860	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	181.6200	233.8633	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	175.0326	225.6495	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	171.8348	221.6559	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	161.1259	208.2514	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	151.1318	195.6980	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	139.2580	180.7269	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	135.5294	176.0127	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	126.1114	164.0765	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	116.0326	151.6874	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	17.1610	27.1506	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	4.6648	4.4227	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	37.0748	29.0275	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	65.2122	52.5513	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	80.8173	65.7911	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	96.7030	79.3699	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	110.5691	91.2899	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1320.3332	1483.6809	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	210.0807	170.4655	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	230.0779	187.6444	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.80 Put	14,000	239.0233	195.3549	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.90 Put	5,908	270.4849	222.6074	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.92 Put	2,149	277.0834	228.3458	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	294.0269	243.1225	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	304.5053	252.2819	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	350.6448	291.1682	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	14.21 Put	2,700	388.8285	322.7133	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	429.2391	357.6908	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	457.4064	382.9594	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.46 Put	17,287	506.4906	427.2392	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	14,000	800.6647	920.5019	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Put	14,000	526.8647	445.7019	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	606.9325	518.6926	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.70 Put	1,000	634.8809	544.3144	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.82 Put	1,000	704.9550	0.0000	0.0000	0.0000	1,000	0.00
Sep 2019	ZAUS	14.85 Put	3,000	723.1015	624.9558	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	590.7046	686.1366	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	580.0588	674.1591	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	536.1322	624.5864	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1075.6116	954.0821	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	434.1657	508.6390	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1207.7481	1079.1895	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	351.8244	413.3506	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.66 Call	2,149	223.7880	266.5351	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.67 Call	14,000	222.5183	265.0509	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	173.2017	207.1012	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	167.6447	200.5426	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	163.1741	195.2628	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	131.4410	157.6699	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	120.1408	141.8120	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	117.0502	136.2909	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	99.7559	115.2282	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	15.5409	15.1536	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	96.7997	75.7489	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	118.0879	93.2861	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.03 Put	69,000	123.4342	0.0000	0.0000	0.0000	138,000	0.00
Dec 2019	ZAUS	13.66 Put	1,000	274.1965	228.5347	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	317.5573	266.8601	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	365.0638	309.1747	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	26,500	386.7075	328.5484	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	412.9347	352.1102	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	416.7706	355.5579	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	424.4983	362.5206	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.11 Put	24,055	428.3989	366.0358	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.12 Put	69,000	432.3165	0.0000	0.0000	0.0000	69,000	0.00
Dec 2019	ZAUS	14.41 Put	49,600	562.2447	481.5860	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	566.1697	639.0621	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	488.3612	551.4803	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	16.20 Call	50,100	473.5113	534.7993	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.25 Call	26,000	463.2324	523.2410	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.35 Call	4,150	443.4645	500.9975	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.37 Call	500	439.6336	496.6876	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.55 Call	24,055	406.0625	459.7892	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.85 Call	1,351	355.5829	403.7845	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.99 Call	69,000	334.5715	0.0000	0.0000	0.0000	138,000	0.00		
Dec 2019	ZAUS	17.02 Call	139,860	330.2642	375.1991	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	283.4329	322.2007	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	121.7857	146.8130	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	40.7223	35.3599	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	12.96 Put	277,778	159.9137	129.6427	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.06 Put	275,862	179.8043	146.7905	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.19 Put	272,897	208.1269	171.3906	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.78 Put	60,000	373.5687	318.6167	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	454.9328	392.1104	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.40 Put	277,778	617.1314	538.7934	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.51 Put	275,862	671.3041	585.2178	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.66 Put	272,897	748.8898	655.8428	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.60 Call	277,778	574.5179	635.1566	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.81 Call	275,862	532.2743	589.5829	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.04 Call	272,897	490.2532	543.2376	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	386.7741	428.2700	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.88 Call	60,000	368.0925	407.4675	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	11.90 Put	900	60.1868	49.8874	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	14.25 Put	900	614.5719	533.5046	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	17.26 Call	900	637.4963	696.6759	0.0000	0.0000	0	0.00		
			<u>5,891,892</u>					<u>346,000.00</u>	<u>0.00</u>	<u>71 562 816.00</u>	<u>0.00</u>
	Total		6,784,854					397,406.00	754,754,227.30	273 724 940.00	2 454 425 081 773.20
	Grand Total		8,853,360					717,683.00	983 624 821.60	374,126,810	3,403,751,649,217.12