



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 06-March-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Mar 2019	DAEU	Future	53	16.1417	16.0871	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	4	16.1986	16.1429	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	1	16.2353	16.1790	0.0000	0.0000	0	0.00
			<u>58</u>					<i>0.00</i>	<i>0.00</i>
									<i>816 108.00</i>
									<i>12 204 137 941.00</i>
Option									
Aug 2019	DAEU	19.65 Call	62,400	103.7887	101.8506	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.65 Call	21,000	1274.3891	1241.0739	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	1151.1239	1121.1396	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	1111.2790	1082.4164	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	1081.2606	1053.2536	0.0000	0.0000	0	0.00
			<u>128,400</u>					<i>0.00</i>	<i>0.00</i>
									<i>1 749 987.00</i>
									<i>0.00</i>
		Total	128,458					0.00	0.00
									<i>2 566 095.00</i>
									<i>12 204 137 941.00</i>
Future									
Mar 2019	DAGB	Future	80	18.7593	18.6429	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	43	18.8143	18.6969	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	120	18.8498	18.7316	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	18.8595	18.7411	0.0000	0.0000	0	0.00
			<u>270</u>					<i>0.00</i>	<i>0.00</i>
									<i>66 924.00</i>
									<i>1 122 514 463.30</i>
		Total	270					0.00	0.00
									<i>274 237.00</i>
									<i>1 122 514 463.30</i>
Future									
Mar 2019	DAUS	Future	13,500	14.2303	14.0952	0.0000	0.0000	27,000	381,380,400.00
Mar 2019	DAUS	Future	3,731	14.2437	14.1709	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,708	14.2471	14.1742	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.2539	14.1809	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	20,500	14.2573	14.1842	0.0000	0.0000	11,500	163,496,300.00
Apr 2019	DAUS	Future	2,025	14.2590	14.1858	0.0000	0.0000	2,025	28,884,600.00
Apr 2019	DAUS	Future	260	14.2766	14.2028	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	349	14.2959	14.2215	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	14.3012	14.2267	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	2,048	14.3030	14.2284	0.0000	0.0000	378	5,408,520.00		
May 2019	DAUS	Future	25,000	14.3186	14.2437	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	93	14.3254	14.2505	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	387	14.3525	14.2779	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	416	14.3559	14.2813	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.3626	14.2881	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	2,140	14.4050	14.3305	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.4104	14.3358	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	682	14.4630	14.3885	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.4647	14.3902	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	1,678	14.5168	14.4410	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.5222	14.4462	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.5259	14.4497	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	53	14.5715	14.4960	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.5750	14.4996	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	108	14.6267	14.5511	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	Future	52	14.6789	14.6033	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.6843	14.6088	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.6879	14.6124	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.7421	14.6630	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.7952	14.7153	0.0000	0.0000	0	0.00		
Feb 2020	DAUS	Future	3,500	14.8446	14.7653	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.8499	14.7706	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.9073	14.8295	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.9579	14.8813	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.0216	14.9466	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.1295	15.0511	0.0000	0.0000	0	0.00		
			<u>166,374</u>					<u>40,903.00</u>	<u>579,169,820.00</u>	<u>11 412 540.00</u>	<u>140 972 481 706.70</u>
Option											
Mar 2019	DAUS	14.00 Put	25,000	11.2993	29.5351	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.94 Put	27,500	18.3372	33.1877	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	15.15 Call	27,500	1.3482	1.2371	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.13 Call	50,000	208.3737	0.0000	0.0000	0.0000	50,000	0.00		
Mar 2019	DAUS	13.80 Call	30,000	469.9203	409.1984	0.0000	0.0000	558	0.00		
Mar 2019	DAUS	14.20 Call	30,000	190.8133	156.4310	0.0000	0.0000	558	0.00		
Mar 2019	DAUS	13.88 Put	32,000	56.9721	79.9870	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.00 Put	65,000	92.7216	122.1972	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.84 Call	15,000	457.0843	404.0429	0.0000	0.0000	750	0.00		
Mar 2019	DAUS	14.00 Call	6,500	343.3525	299.4164	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.18 Call	15,000	239.7992	206.9398	0.0000	0.0000	750	0.00		
Mar 2019	DAUS	13.00 Put	500	3.4984	3.8918	0.0000	0.0000	0	0.00		

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Mar 2019	DAUS	13.45 Put	600	10.0831	10.1141	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	441.1992	388.3279	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	190.3414	232.0353	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	216.8057	262.5171	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	157.4720	137.9084	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	89.1701	79.3463	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	15.4685	14.9279	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	6.5644	6.5510	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.00 Call	30,000	385.6911	343.8472	0.0000	0.0000	1,500	0.00
Apr 2019	DAUS	13.76 Put	100	61.5779	80.0322	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	214.3017	191.8183	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	12.8719	15.7718	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	866.7236	801.0943	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	281.4489	319.8297	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	307.1273	347.4704	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	169.5408	155.1490	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	62.8094	58.7820	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	38.2197	35.6566	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	714.5605	660.2637	0.0000	0.0000	2,500	0.00
May 2019	DAUS	14.20 Call	50,000	420.6525	385.1882	0.0000	0.0000	2,500	0.00
May 2019	DAUS	14.25 Call	61,000	444.2573	408.9779	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	155.0175	144.7100	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	119.3656	111.8856	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	32.3461	35.5251	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	359.2715	396.8042	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	384.8283	424.0269	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	237.0754	221.1750	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	114.1118	106.6088	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	80.7057	75.5072	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	217.7385	241.4376	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	311.1178	342.4890	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	353.0300	387.4482	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	18,000	403.0734	440.8509	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	52.6558	56.4055	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	404.5673	440.6523	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	430.0919	467.6385	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	277.7735	260.8415	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	149.3074	140.0128	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	112.0617	105.1514	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	73.8595	78.7294	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	444.1669	479.6579	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	469.5965	506.3975	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	15.34 Call	500	318.3486	301.4638	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	185.4664	175.4253	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.50 Call	250	144.9900	137.2290	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,147	608.5648	651.3956	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,147	180.9876	171.4143	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	94.4893	98.5405	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	474.1924	509.5594	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	499.4793	536.0849	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	345.6264	328.7700	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	211.5636	200.8517	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	168.8722	160.3400	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	61.7801	57.0196	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	113.1035	119.2082	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	501.0282	535.7188	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	526.2716	562.0843	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	377.2001	360.4724	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	240.9484	229.5549	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	194.6806	185.6616	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	130.4005	138.6464	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	526.2350	560.4364	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	551.4254	586.6618	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	401.9045	385.2395	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	265.2556	253.7215	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	219.0191	209.8260	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	143.6921	154.1590	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	545.6378	580.3261	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	570.7434	606.3941	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	425.5335	409.7469	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	287.8126	276.9767	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	241.5179	232.8726	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	155.8271	168.5831	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	564.3023	599.2889	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	589.2851	625.2588	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	449.6952	432.4775	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	312.6705	301.3631	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	266.2490	256.9650	0.0000	0.0000	0	0.00		
			<u>727,794</u>					<u>59,116.00</u>	<u>0.00</u>	<u>23 730 029.00</u>	<u>0.00</u>
	Total		894,168					100,019.00	579,169,820.00	35 142 569.00	140 972 481 706.70

Future

Mar 2019	EUUS	Future	5	1.1320	1.1339	0.0000	0.0000	0	0.00
Jun 2019	EUUS	Future	582	1.1403	1.1423	0.0000	0.0000	0	0.00

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			587					0.00	0.00	745 402.00	8 456 173 900.00	
		Total	587					0.00	0.00	745 402.00	8 456 173 900.00	
Future												
	Mar 2019	GBUS	Future	5	1.3160	1.3145	0.0000	0.0000	0	0.00		
	Dec 2019	GBUS	Future	2,219	1.3330	1.3317	0.0000	0.0000	0	0.00		
				2,224					0.00	0.00	176 160.00	2 268 523 867.00
		Total		2,224				0.00	0.00	176 160.00	2 268 523 867.00	
Future												
	Mar 2019	ZAAD	Future	4,967	10.0141	10.0297	10.0075	10.0075	1	10,007.50		
	Jun 2019	ZAAD	Future	15,741	10.1331	10.1483	0.0000	0.0000	0	0.00		
	Sep 2019	ZAAD	Future	513	10.2668	10.2804	0.0000	0.0000	0	0.00		
	Dec 2019	ZAAD	Future	400	10.3951	10.4081	0.0000	0.0000	0	0.00		
				21,621					1.00	10,007.50	3 850 773.00	33 741 061 809.60
Option												
	Dec 2019	ZAAD	11.00 Call	1,000	255.9484	262.3289	0.0000	0.0000	0	0.00		
				1,000					0.00	0.00	34 377.00	0.00
		Total		22,621				1.00	10,007.50	3 885 150.00	33 741 061 809.60	
Future												
	Mar 2019	ZACA	Future	500	10.6343	10.6145	0.0000	0.0000	0	0.00		
	Jun 2019	ZACA	Future	400	10.7687	10.7479	0.0000	0.0000	0	0.00		
	Sep 2019	ZACA	Future	400	10.9156	10.8937	0.0000	0.0000	0	0.00		
				1,300					0.00	0.00	150 863.00	1 496 897 890.10
		Total		1,300				0.00	0.00	150 863.00	1 496 897 890.10	
Future												
	Jun 2019	ZADK	Future	250	2.1991	2.1914	0.0000	0.0000	0	0.00		
				250					0.00	0.00	13 625.00	294 020 589.00
		Total		250				0.00	0.00	13 625.00	294 020 589.00	
Future												
	Mar 2019	ZAEU	Future	132,099	16.1061	16.0517	0.0000	0.0000	1,580	25,393,432.00		
	Jun 2019	ZAEU	Future	29,915	16.3975	16.3415	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	Future	21,948	16.7188	16.6611	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	Future	17,761	17.0259	16.9676	0.0000	0.0000	0	0.00		
				201,723					1,580.00	25,393,432.00	16 231 851.00	234 584 256 892.00
Option												
	Mar 2019	ZAEU	16.00 Call	650	209.0924	180.7594	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	15.35 Put	570	109.1987	118.0332	0.0000	0.0000	0	0.00		

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Sep 2019	ZAEU	15.62 Put	14,429	240.1102	253.7972	0.0000	0.0000	0	0.00	
Sep 2019	ZAEU	18.27 Call	14,429	310.7978	303.1755	0.0000	0.0000	0	0.00	
Sep 2019	ZAEU	18.60 Call	55,000	260.5967	254.1303	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	13.73 Put	17,150	30.8260	32.0130	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	16.15 Put	17,150	454.8988	476.9162	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	219.0148	220.1046	0.0000	0.0000	0	0.00	
			136,528					0.00	0.00	11 001 383.00
		Total	338,251					1,580.00	25,393,432.00	27 233 234.00 234 584 256 892.00
Future										
Mar 2019	ZAFR	Future	1,143	14.1865	14.1731	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	250	14.4561	14.4416	0.0000	0.0000	0	0.00	
			1,393					0.00	0.00	627 280.00 6 764 401 749.60
		Total	1,393					0.00	0.00	627 280.00 6 764 401 749.60
Future										
Mar 2019	ZAGB	Future	230,812	18.7246	18.6086	18.6920	18.6832	2,267	42,298,756.50	
Jun 2019	ZAGB	Future	6,306	19.0059	18.8878	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	18,329	19.3124	19.1924	19.2568	19.2568	25	481,420.00	
Dec 2019	ZAGB	Future	12,565	19.6006	19.4807	0.0000	0.0000	0	0.00	
			268,012					2,292.00	42,780,176.50	14 070 976.00 240 877 291 971.00
Option										
Mar 2019	ZAGB	18.00 Put	500	25.1136	32.6769	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.00 Call	2,500	98.5009	71.9703	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	524.8412	624.1526	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	8.2761	6.3771	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	6.0778	4.7049	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	0.6342	0.5441	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	18.00 Call	1,000	1208.9204	1118.3021	0.0000	0.0000	0	0.00	
			7,500					0.00	0.00	1 786 313.00 0.00
		Total	275,512					2,292.00	42,780,176.50	15 857 289.00 240 877 291 971.00
Future										
Mar 2019	ZAJY	Future	10,000	0.1275	0.1267	0.0000	0.0000	0	0.00	
			10,000					0.00	0.00	1 091 937.00 12 363 272 053.60
		Total	10,000					0.00	0.00	1 091 937.00 12 363 272 053.60
Future										
Jun 2019	ZAKS	Future	2,166	0.1412	0.1409	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

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Sep 2019	ZANZ	Future	646	9.8949	9.8705	0.0000	0.0000	0	0.00
			646					0.00	0.00
		Total	646					0.00	0.00
									146 792.00
									1 127 677 204.60
Future									
Mar 2019	ZATR	Future	25,000	2.6082	2.6079	0.0000	0.0000	0	0.00
Jun 2019	ZATR	Future	1,400	2.5121	2.5129	0.0000	0.0000	1,400	3,512,320.00
			26,400					1,400.00	3,512,320.00
		Total	26,400					1,400.00	3,512,320.00
									447 335.00
									1 390 620 989.90
Future									
Mar 2019	ZAUM	Future	465	14.2286	14.1560	0.0000	0.0000	0	0.00
Jun 2019	ZAUM	Future	5	14.3801	14.3058	0.0000	0.0000	0	0.00
			470					0.00	0.00
		Total	470					0.00	0.00
									155 783.00
									180 820 307 190.00
Future									
Mar 2019	ZAUS	Future	752,368	14.2286	14.1560	14.2442	14.2091	85,574	1,217,065,728.10
Jun 2019	ZAUS	Future	144,293	14.3801	14.3058	14.3923	14.3615	18,316	263,514,846.70
Sep 2019	ZAUS	Future	21,947	14.5470	14.4710	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	Future	10,863	14.7046	14.6282	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	Future	4,566	14.8754	14.7968	0.0000	0.0000	0	0.00
Jun 2020	ZAUS	Future	300	15.0407	14.9655	0.0000	0.0000	0	0.00
			934,337					103,890.00	1,480,580,574.80
									197 321 701.00
									2 384 169 388 376.30
Option									
Mar 2019	ZAUS	10.33 Put	1,000	0.0008	0.0000	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	0.0000	0.0000	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	0.0021	0.0043	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	0.0036	0.0074	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.80 Put	7,520	0.1151	0.1627	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	0.2052	0.2866	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	0.2302	0.3208	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	15,434	0.3635	0.5022	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	0.4824	0.6632	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	0.7144	0.9758	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	0.8442	1.1501	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	225,407	1.4636	1.9775	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	2.2553	3.0290	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	2.6472	3.5477	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	4.4780	5.9870	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.50 Put	7,550	5.5045	7.4588	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	7.2510	9.7592	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Call	500	638.0871	568.6821	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	6,570	9.4871	12.6821	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.62 Put	6,432	10.5431	14.0558	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	14.3691	19.0051	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	15.8935	20.9667	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	17.5591	23.1039	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	24.6511	32.1411	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	2,100	28.3773	36.8556	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	32.5749	42.1422	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	34.0865	44.0399	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	40.7375	52.3571	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	329.1397	270.5212	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	290.7921	234.8578	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	29,200	62.1921	78.8578	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	72.9876	92.0328	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	159.8866	121.6849	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	133.5862	103.1770	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	172.6018	217.2726	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	113.4720	87.1387	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	184.8720	231.1387	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	217.3075	267.3374	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	281.4626	337.3778	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	289.0053	345.5019	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	65.2243	49.6869	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	60.6834	46.2363	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	56.4275	43.0132	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	327.8275	387.0132	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	351.9449	412.5742	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	376.6250	438.5758	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	453.6015	518.8403	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	534.1620	601.8112	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	18.0065	14.2656	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	598.7135	667.7480	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	608.0464	677.2490	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	617.4038	686.7686	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	626.7858	696.3059	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	8.4296	7.0805	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	818.7931	890.1885	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	877.4925	949.0695	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	897.1173	968.7468	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	15.13 Put	7,100	906.9394	978.5938	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	4.8870	4.0335	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	965.9935	1037.7816	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	975.8544	1047.6622	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	4.1897	3.4355	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	3.8257	3.1237	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1094.5074	1166.5106	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	2.4683	1.9676	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	2.1459	1.6954	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	2.0874	1.6461	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	3,050	1.8714	1.4645	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	1.6809	1.3051	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	1.2256	0.9214	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	0.7853	0.6074	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	0.7412	0.5756	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	0.6243	0.4908	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	0.4596	0.3698	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	0.3244	0.2686	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	0.2849	0.2386	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	0.2104	0.1811	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	0.1731	0.1518	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	0.1088	0.1001	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	0.1040	0.0962	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	0.0492	0.0496	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	0.0483	0.0488	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	0.0439	0.0481	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	0.0440	0.0531	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	0.0449	0.0540	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	0.0458	0.0549	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	0.0583	0.0674	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	0.0659	0.0747	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	0.0911	0.0986	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	0.1792	0.1785	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	0.2791	0.2658	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	1.1094	0.8461	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	14.7216	14.5002	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	25.0443	24.9702	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	28.9334	28.9525	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	41.6255	44.5787	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	43.6986	46.8946	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.10 Put	14,000	55.2954	59.8728	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	75.3207	82.3228	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	13.25 Put	4,582	76.9339	84.1316	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.30 Put	143,800	85.3945	93.6154	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.35 Put	4,317	94.5225	103.8416	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	7,500	1006.2797	945.0296	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	931.1784	872.7689	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	224.7941	248.4624	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	731.4557	683.0229	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	684.0274	638.1424	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	28,500	672.5369	627.2976	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	301,700	292.4369	321.4976	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	323.3752	354.6932	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	385.5424	421.0457	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	411.0579	448.1552	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.30 Put	30,000	437.4430	476.1222	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	494.7869	461.5263	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	464.7705	434.3492	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	404.5537	377.9239	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	637.2417	686.0245	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	650.5598	699.7757	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	328.3108	306.7057	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	12,500	280.8224	262.4662	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	257.5856	240.6859	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	216.7405	202.6932	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	213.0547	199.2659	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	182.7720	171.1305	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	168.0114	157.4212	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	162.4796	152.2866	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	142.3028	133.1357	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	131.5297	123.0577	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	128.1353	119.8827	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	119.5330	111.8369	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	110.5941	103.4763	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	23.4952	20.4547	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	5.1603	5.2751	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	50.4896	53.0158	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	130.4028	138.8954	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	151.6555	162.0274	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1157.5320	1101.0970	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	276.9738	297.8435	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	301.0808	324.2652	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	381.7019	410.6372	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	394.8774	424.5669	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	14.12 Put	177	450.0578	482.7696	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	494.0068	528.9793	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.50 Call	14,000	696.9733	663.2587	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.65 Put	3,000	739.6714	785.1678	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.00 Call	750	516.4355	491.7643	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.03 Call	177	507.2936	483.0796	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1246.0274	1302.7876	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.51 Call	28,500	383.3650	365.6657	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1385.6092	1444.4729	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	313.2250	299.2151	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	144.1895	137.4188	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	118.3217	114.1469	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	108.8321	105.0581	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	105.5256	101.8893	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	86.8872	84.0115	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	20.4533	23.0725	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	329.9334	351.4578	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.80 Put	500	379.8638	404.2735	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	14.07 Put	1,351	492.2919	523.7541	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.20 Call	500	419.6066	402.8925	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.85 Call	1,351	312.4011	300.6204	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	248.1997	239.4211	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	89.2100	85.2892	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	17.5658	20.5725	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	520.9954	548.8165	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	339.8975	330.4610	0.0000	0.0000	0	0.00		
			<u>5,059,799</u>					<u>0.00</u>	<u>0.00</u>	<u>65 630 410.00</u>	<u>0.00</u>
	Total		5,994,136					103,890.00	1,480,580,574.80	262 952 111.00	2 384 169 388 376.30
	Grand Total		7,698,852					209,182.00	2 131 446 330.80	360,287,983	3,306,576,986,307.53