



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 26-April-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Apr 2019	DAEU	Future	0	15.9950	16.0937	0.0000	0.0000	1	15,995.00		
May 2019	DAEU	Future	2	16.1111	16.2093	0.0000	0.0000	0	0.00		
			<u>2</u>					<u>1.00</u>	<u>15,995.00</u>	<u>816 226.00</u>	<u>12 206 056 268.80</u>
Option											
Feb 2020	DAEU	16.65 Call	21,000	1023.8917	1080.8026	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	16.91 Call	15,000	909.6961	961.9585	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	17.00 Call	15,000	873.1848	923.9067	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	17.07 Call	15,000	845.8763	895.3581	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		66,002					1.00	15,995.00	2 628 613.00	12 206 056 268.80
Future											
Apr 2019	DAGB	Future	0	18.5324	18.6356	0.0000	0.0000	92	1,704,980.80		
Apr 2019	DAGB	Future	27	18.5421	18.6453	0.0000	0.0000	0	0.00		
May 2019	DAGB	Future	119	18.6453	18.7482	0.0000	0.0000	0	0.00		
Jun 2019	DAGB	Future	49	18.7348	18.8375	0.0000	0.0000	0	0.00		
			<u>195</u>					<u>92.00</u>	<u>1,704,980.80</u>	<u>67 444.00</u>	<u>1 132 267 372.30</u>
	Total		195					92.00	1,704,980.80	274 757.00	1 132 267 372.30
Future											
Apr 2019	DAUS	Future	0	14.3419	14.4400	0.0000	0.0000	113	1,620,634.70		
Apr 2019	DAUS	Future	15	14.3471	14.4451	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	4,000	14.3488	14.4468	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	85,000	14.3610	14.4589	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	25,000	14.3645	14.4623	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	93	14.3715	14.4690	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	2	14.3750	14.4724	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	387	14.3992	14.4971	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	327	14.4027	14.5006	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.4096	14.5075	0.0000	0.0000	0	0.00		

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>		
Jun 2019	DAUS	Future	2,381	14.4514	14.5495	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.4567	14.5547	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	175	14.4620	14.5600	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	1,460	14.5096	14.6079	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.5113	14.6098	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	2,336	14.5631	14.6624	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.5686	14.6678	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.5722	14.6714	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	3,757	14.5886	14.6875	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	98	14.6194	14.7182	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.6230	14.7219	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	153	14.6752	14.7750	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	Future	97	14.7271	14.8283	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.7325	14.8335	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.7362	14.8370	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	45	14.7854	14.8848	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.7891	14.8885	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.8424	14.9420	0.0000	0.0000	0	0.00		
Feb 2020	DAUS	Future	3,500	14.8951	14.9945	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.9006	15.0003	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.9572	15.0598	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.0087	15.1108	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.0760	15.1778	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.1868	15.2884	0.0000	0.0000	0	0.00		
			<u>214,900</u>					<u>113.00</u>	<u>1,620,634.70</u>	<u>12 210 213.00</u>	<u>152 422 398 475.80</u>
Option											
Apr 2019	DAUS	13.00 Put	3,000	0.0244	0.0380	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	858.8869	957.0175	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.95 Put	734	2.5862	3.7957	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Call	734	171.5203	268.5655	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Put	250	22.7203	21.7655	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.25 Put	250	33.6068	29.9149	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.45 Call	734	36.1289	89.7066	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	3.7597	13.7656	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	15.61 Call	250	0.0655	0.2187	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	15.96 Call	250	0.0020	0.0171	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.75 Put	22,000	10.7218	8.1942	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.95 Call	20,000	439.7401	532.5279	0.0000	0.0000	0	0.00		
May 2019	DAUS	14.03 Call	65,000	372.1794	463.3052	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.72 Call	50,000	656.0052	750.9758	0.0000	0.0000	0	0.00		
May 2019	DAUS	14.20 Call	50,000	262.2222	345.2181	0.0000	0.0000	0	0.00		
May 2019	DAUS	14.18 Put	40,000	98.1532	79.6099	0.0000	0.0000	0	0.00		

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May 2019	DAUS	13.75 Put	20,000	18.0036	10.9962	0.0000	0.0000	0	0.00
May 2019	DAUS	13.90 Put	2,000	38.9185	26.9093	0.0000	0.0000	0	0.00
May 2019	DAUS	14.00 Put	2,000	60.3434	44.3113	0.0000	0.0000	0	0.00
May 2019	DAUS	14.40 Call	40,000	199.8150	261.5500	0.0000	0.0000	0	0.00
May 2019	DAUS	14.60 Call	40,000	129.4056	177.2337	0.0000	0.0000	0	0.00
May 2019	DAUS	15.00 Call	2,000	51.9609	77.7312	0.0000	0.0000	0	0.00
May 2019	DAUS	15.10 Call	40,000	41.2481	62.9871	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	285.0088	357.1079	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	32.4601	51.9100	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	16.4054	29.3947	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	50,000	143.6375	120.9209	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	4.1604	4.2447	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	162.0807	139.0063	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	183.7817	158.1417	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	92.5382	123.1410	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	23.2601	34.0767	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	10.9584	17.4849	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	67.2019	57.7360	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	131.2886	113.8450	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	164.4407	143.2133	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	8.3788	8.0607	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	153.9632	136.8696	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	223.9560	200.1407	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	246.2428	220.4182	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	144.0738	177.0306	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	117.9597	146.6555	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	54.0121	69.9388	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	31.8087	43.1295	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	17.5167	18.5403	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	279.8592	254.8834	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	302.3915	275.8691	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	195.8468	230.9678	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	91.7497	111.7359	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	64.9023	79.8699	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	438.5363	404.3782	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	94.7391	113.4977	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	35.2198	35.7484	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	323.2574	297.1102	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	346.0740	318.5268	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	234.3078	268.9711	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	124.0893	145.4880	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	93.2216	109.9062	0.0000	0.0000	0	0.00

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Sep 2019	DAUS	19.00 Call	20,000	17.2637	21.2574	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	53.4615	53.2499	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	357.8681	331.7832	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	380.7955	353.4294	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	271.1616	305.6765	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	155.6611	177.8747	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	120.3845	138.0841	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	71.4175	70.0850	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	389.5563	363.5657	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	412.5479	385.3817	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	300.2539	335.0606	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	182.5974	206.0138	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	145.8533	164.9933	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	87.0142	83.9957	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	417.2515	390.1860	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	440.3590	412.1795	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	331.0326	366.0358	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	209.9071	234.3383	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	171.4838	191.8469	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	101.4039	96.9437	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	442.1278	415.3204	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	465.2429	437.4214	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	359.5356	393.5556	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	237.0674	261.8171	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	197.3905	218.4839	0.0000	0.0000	0	0.00		
			<u>755,496</u>					<u>0.00</u>	<u>0.00</u>	<u>25 001 994.00</u>	<u>0.00</u>
Total			970,396					113.00	1,620,634.70	37 212 207.00	152 422 398 475.80
Future											
Jun 2019	EUUS	Future	5	1.1199	1.1192	0.0000	0.0000	0	0.00		
Sep 2019	EUUS	Future	143	1.1287	1.1280	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	702	1.2955	1.2938	0.0000	0.0000	0	0.00		
			<u>702</u>					<u>0.00</u>	<u>0.00</u>	<u>176 872.00</u>	<u>2 277 876 069.00</u>
Total			702					0.00	0.00	176 872.00	2 277 876 069.00
Future											
Jun 2019	ZAAD	Future	26,408	10.1790	10.1978	0.0000	0.0000	0	0.00		
Sep 2019	ZAAD	Future	1,913	10.3210	10.3402	0.0000	0.0000	0	0.00		

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	Dec 2019	ZAAD	Future	400	10.4563	10.4769	0.0000	0.0000	0	0.00		
				28,721					0.00	0.00	3 901 681.00	34 262 214 732.20
Option												
	Dec 2019	ZAAD	11.00 Call	1,000	210.5898	222.5910	0.0000	0.0000	0	0.00		
				1,000					0.00	0.00	34 377.00	0.00
			Total	29,721					0.00	0.00	3 936 058.00	34 262 214 732.20
Future												
	Jun 2019	ZACA	Future	1,950	10.7255	10.7767	0.0000	0.0000	0	0.00		
	Sep 2019	ZACA	Future	1,415	10.8723	10.9247	0.0000	0.0000	0	0.00		
				3,365					0.00	0.00	158 748.00	1 582 548 950.10
			Total	3,365					0.00	0.00	158 748.00	1 582 548 950.10
Future												
	Jun 2019	ZADK	Future	1,235	2.1649	2.1778	2.1743	2.1743	250	5,435,750.00		
				1,235					250.00	5,435,750.00	16 310.00	352 268 089.00
			Total	1,235					250.00	5,435,750.00	16 310.00	352 268 089.00
Future												
	Jun 2019	ZAEU	Future	116,989	16.1573	16.2557	16.2239	16.1703	355	5,743,889.50		
	Sep 2019	ZAEU	Future	39,847	16.4724	16.5730	16.4743	16.4743	250	4,118,575.00		
	Dec 2019	ZAEU	Future	34,866	16.7689	16.8724	0.0000	0.0000	2,180	36,743,900.00		
	Mar 2020	ZAEU	Future	4,361	17.0963	17.2034	0.0000	0.0000	0	0.00		
				196,063					2,785.00	46,606,364.50	16 745 747.00	243 048 154 859.40
Option												
	Jun 2019	ZAEU	15.35 Put	570	45.8485	40.5934	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.64 Call	300	165.9955	197.8972	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.73 Put	500	719.3221	649.7498	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	15.62 Put	14,429	199.1788	174.6122	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	15.85 Put	587	278.3155	246.1298	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	18.27 Call	14,429	160.6177	179.7468	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	13.73 Put	17,150	28.7567	26.0216	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	14.09 Put	136,646	43.9246	39.9475	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	14.23 Put	61,500	51.5479	46.9659	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	15.70 Put	136,646	277.4636	251.7124	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	15.85 Put	61,500	326.1183	297.4177	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	16.15 Put	17,150	445.6949	407.4494	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	19.79 Call	136,646	169.9608	185.2116	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	19.80 Call	61,500	169.1877	184.3785	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	20.62 Call	17,150	115.2931	127.2032	0.0000	0.0000	0	0.00		
				676,703					0.00	0.00	12 048 500.00	0.00

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Total			872,766					2,785.00	46,606,364.50	28 794 247.00	243 048 154 859.40
Future											
Jun 2019	ZAFR	Future	1,093	14.2070	14.3045	14.2223	14.2223	100	1,422,230.00		
Sep 2019	ZAFR	Future	450	14.4984	14.5976	0.0000	0.0000	0	0.00		
			<u>1,543</u>					<u>100.00</u>	<u>1,422,230.00</u>	633 352.00	6 852 376 080.90
Total			1,543					100.00	1,422,230.00	633 352.00	6 852 376 080.90
Future											
Jun 2019	ZAGB	Future	118,169	18.6899	18.7927	18.7186	18.6963	10,514	196,984,124.40		
Sep 2019	ZAGB	Future	24,418	18.9909	19.0959	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	Future	12,845	19.2711	19.3780	0.0000	0.0000	0	0.00		
Mar 2020	ZAGB	Future	6,274	19.5752	19.6857	0.0000	0.0000	0	0.00		
			<u>161,706</u>					<u>10,514.00</u>	<u>196,984,124.40</u>	14 788 064.00	254 480 267 663.70
Option											
Jun 2019	ZAGB	18.00 Call	1,000	801.2338	893.7194	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	19.15 Put	500	754.5594	712.8305	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	18.75 Put	500	622.6959	595.8664	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	22.13 Call	500	212.3956	236.3901	0.0000	0.0000	0	0.00		
			<u>2,500</u>					<u>0.00</u>	<u>0.00</u>	1 790 813.00	0.00
Total			164,206					10,514.00	196,984,124.40	16 578 877.00	254 480 267 663.70
Future											
Jun 2019	ZAKS	Future	2,166	0.1409	0.1422	0.0000	0.0000	0	0.00		
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	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	9.7589	9.7583	0.0000	0.0000	0	0.00		
			<u>646</u>					<u>0.00</u>	<u>0.00</u>	147 042.00	1 130 048 204.60
Total			646					0.00	0.00	167 042.00	1 130 048 204.60
Future											
Jun 2019	ZAUM	Future	459	14.4270	14.5250	14.4532	14.4532	5	7,226,600.00		
			<u>459</u>					<u>5.00</u>	<u>7,226,600.00</u>	156 793.00	182 291 686 940.00
Total			459					5.00	7,226,600.00	161 316.00	182 291 686 940.00
Future											
Jun 2019	ZAUS	Future	831,835	14.4270	14.5250	14.5295	14.4168	36,985	535,114,928.70		
Sep 2019	ZAUS	Future	33,973	14.5940	14.6929	14.6483	14.6122	15,000	219,538,450.00		
Dec 2019	ZAUS	Future	22,753	14.7526	14.8528	0.0000	0.0000	0	0.00		

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Mar 2020	ZAUS	Future	10,345	14.9259	15.0273	0.0000	0.0000	0	0.00
Jun 2020	ZAUS	Future	700	15.0958	15.1975	0.0000	0.0000	0	0.00
			<u>899,606</u>					<u>51,985.00</u>	<u>754,653,378.70</u>
									<u>203 410 729.00</u>
									<u>2 472 300 546 543.10</u>
Option									
Jun 2019	ZAUS	10.69 Put	1,000	0.0294	0.0345	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	0.9285	0.9967	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	2.5718	2.6423	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	3.3787	3.4299	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.92 Put	2,100	5.3570	5.3283	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	6.2970	6.2185	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	6.6449	6.5463	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.10 Put	14,000	9.0595	8.6757	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.22 Put	122,704	13.0172	12.4325	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	13.8126	13.1852	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	14.2271	13.5769	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.28 Put	122,704	15.5381	14.8149	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.30 Put	143,800	16.4725	15.6958	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.35 Put	4,317	19.0346	18.1070	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	7,500	956.0145	1052.4393	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	865.0310	960.8054	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Put	700	38.0310	35.8054	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	75.3288	65.1710	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	619.6337	705.2666	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.91 Put	1,000	95.3085	82.6050	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	562.4973	645.3122	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	15,000	548.7446	630.8081	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	301,700	121.7446	105.8081	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.06 Put	2,100	141.7919	123.4971	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	145.3247	126.6215	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	196.3014	171.9718	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,982	218.4095	191.7779	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.30 Put	30,000	241.9006	212.9075	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	343.7553	410.3530	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	310.8065	373.9713	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	248.1430	302.1032	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	434.2869	387.7981	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	447.8532	400.3996	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.66 Call	122,704	221.7008	271.7668	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.72 Call	122,704	203.6620	250.8949	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	2,000	195.1834	241.0354	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	176.7229	219.4397	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	136.8744	172.1861	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	15.10 Call	2,900	118.8291	150.4618	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	89.0484	114.7765	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	86.5048	111.6506	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	66.7395	87.1484	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	59.5371	78.1123	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	57.8677	76.0102	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	54.6787	71.9823	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	53.1540	70.0519	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	48.1695	63.7192	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	43.6843	57.9901	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	37.9055	51.4222	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	35.8843	49.4136	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	30.9676	44.4505	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	26.1808	38.0686	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	0.9731	1.5455	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	1.5061	1.8103	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	22.4835	22.4319	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	38.3297	37.2176	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	47.4232	45.5869	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	56.9372	54.2828	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	70.5701	64.5395	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.38 Put	12,900	91.7582	0.0000	0.0000	0.0000	12,900	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1093.8292	1180.8049	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	162.8504	150.0157	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.75 Put	1,000	176.6195	162.8373	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	182.3407	168.1687	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.80 Put	14,000	191.1497	176.3836	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.90 Put	5,908	223.4635	205.6955	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.92 Put	2,149	230.4975	211.9204	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	248.6762	228.3637	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	259.9829	238.9339	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.04 Call	1,000	829.5323	906.3865	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	308.2419	284.1566	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	347.5924	321.1578	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.24 Put	12,900	361.3060	0.0000	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.25 Call	500	709.9418	781.3439	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	389.6179	360.7793	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	419.0931	388.6390	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.46 Put	17,287	470.7693	437.5916	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	16,000	586.3132	650.9399	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Put	14,000	492.3132	458.0399	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	578.2054	539.0337	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	14.70 Put	1,000	608.8374	567.5010	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.75 Call	1,000	484.1687	540.2938	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.82 Put	1,000	685.1781	640.4098	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	704.8677	659.2508	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	400.7077	449.8675	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	391.7257	440.0867	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	355.1562	400.1355	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1087.3000	1027.9708	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.44 Call	12,900	288.2163	0.0000	0.0000	0.0000	25,800	0.00
Sep 2019	ZAUS	15.51 Call	28,500	273.7330	310.3418	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1229.8782	1166.5259	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	210.9658	240.5014	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.66 Call	2,149	119.6812	138.3543	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.67 Call	14,000	118.8449	137.4009	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	87.3788	101.3803	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	83.9691	97.4584	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	81.2482	94.3244	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	61.4780	72.6774	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	52.6358	62.4143	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	49.6377	58.8941	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	33.6759	40.0681	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	14.6066	14.1157	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	78.5121	74.1755	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	94.7371	89.4369	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.03 Put	69,000	98.8294	93.2871	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	231.3710	217.1034	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	274.2938	257.7831	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	322.0314	303.1235	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	39,000	343.9865	324.0079	0.0000	0.0000	5,000	0.00
Dec 2019	ZAUS	14.07 Put	1,351	372.7763	349.4780	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	376.9984	353.2144	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	385.5271	360.7607	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.11 Put	24,055	389.8294	364.8542	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.12 Put	69,000	394.1584	368.9741	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	531.1393	499.7620	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	404.8104	444.1473	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	341.0158	375.0450	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.20 Call	50,100	329.0697	362.0606	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.25 Call	26,000	320.8474	353.1164	0.0000	0.0000	10,000	0.00
Dec 2019	ZAUS	16.35 Call	4,150	304.1560	336.0087	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.37 Call	500	300.9358	332.5133	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.55 Call	24,055	273.6558	302.8599	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	16.85 Call	1,351	234.3082	259.9293	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.99 Call	69,000	218.2454	242.3543	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.02 Call	139,860	214.9778	238.7726	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	180.0048	200.3656	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	43.8886	51.4897	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	16.6901	17.4305	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	12.96 Put	277,778	121.4051	113.7335	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.06 Put	275,862	140.7038	131.8698	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.19 Put	272,897	168.7776	158.2976	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.78 Put	60,000	334.1158	316.2930	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	416.1995	394.9377	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.40 Put	277,778	587.9817	556.7552	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.51 Put	275,862	644.2518	611.0428	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.66 Put	272,897	725.0871	689.1823	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.60 Call	277,778	426.8548	462.5901	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.81 Call	275,862	391.3393	424.5579	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.04 Call	272,897	356.4732	387.1256	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	272.7690	296.8899	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.88 Call	60,000	258.0158	280.9273	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	11.90 Put	900	40.8016	39.0466	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	14.25 Put	900	566.7798	540.2813	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	17.26 Call	900	470.7586	502.7805	0.0000	0.0000	0	0.00		
			<u>5,909,342</u>					<u>53,700.00</u>	<u>0.00</u>	<u>71 869 016.00</u>	<u>0.00</u>
	Total		6,808,948					105,685.00	754,653,378.70	275 279 745.00	2 472 300 546 543.10
	Grand Total		8,922,498					119,545.00	1 015 670 058.10	376,751,390	3,428,942,443,963.62