



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 25-April-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
Apr 2018	DAEU	Future	16	15.2131	15.1280	0.0000	0.0000	0	0.00
May 2018	DAEU	Future	41	15.2742	15.1988	0.0000	0.0000	0	0.00
			<u>57</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>57</b>					<b>0.00</b>	<b>0.00</b>
									790 883.00
									11 804 363 950.70
<b>Future</b>									
Apr 2018	DAGB	Future	9	17.4135	17.2943	0.0000	0.0000	0	0.00
May 2018	DAGB	Future	11	17.4474	17.3349	0.0000	0.0000	0	0.00
			<u>20</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>20</b>					<b>0.00</b>	<b>0.00</b>
									53 724.00
									881 424 413.00
<b>Future</b>									
Apr 2018	DAUS	Future	0	12.4450	12.3732	0.0000	0.0000	1,000	12,445,000.00
Apr 2018	DAUS	Future	100	12.4950	12.3732	0.0000	0.0000	1,746	21,761,620.20
Apr 2018	DAUS	Future	955	12.4950	12.3789	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	46,000	12.4990	12.3844	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	70	12.5058	12.3925	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	46,000	12.5235	12.4128	0.0000	0.0000	30,000	374,285,280.00
May 2018	DAUS	Future	34,600	12.5253	12.4148	0.0000	0.0000	29,480	367,836,564.00
May 2018	DAUS	Future	181	12.5412	12.4323	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,746	12.5542	12.4453	0.0000	0.0000	1,746	21,882,618.00
Jun 2018	DAUS	Future	9,546	12.5737	12.4649	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,790	12.5884	12.4793	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	12.5930	12.4839	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	12.6211	12.5117	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	12.6274	12.5179	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	12.6289	12.5195	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,345	12.6320	12.5226	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,515	12.6383	12.5288	0.0000	0.0000	1,212	15,142,849.20
Aug 2018	DAUS	Future	70	12.6586	12.5491	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>
Aug 2018	DAUS	Future	2,879	12.6867	12.5773	0.0000	0.0000	1,213	15,218,419.30
Sep 2018	DAUS	Future	1,295	12.7304	12.6210	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	12.7725	12.6632	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	12.7787	12.6694	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	1,643	12.7819	12.6725	0.0000	0.0000	1,213	15,326,376.30
Nov 2018	DAUS	Future	70	12.8018	12.6925	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	1,212	12.8278	12.7186	0.0000	0.0000	1,212	15,371,674.80
Feb 2019	DAUS	Future	70	12.9424	12.8330	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	13.0056	12.8950	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	13.7847	13.6675	0.0000	0.0000	0	0.00
			<u>243,266</u>					<u>68,822.00</u>	<u>859,270,401.80</u>
									<u>9 622 835.00</u>
									<u>116 715 464 066.20</u>

Option

Apr 2018	DAUS	11.70 Put	400	0.3815	0.3238	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.76 Put	202	0.5916	0.4825	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.78 Put	100	0.6847	0.5795	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.85 Put	288	1.1417	1.0948	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.87 Call	202	626.3208	510.2109	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.91 Call	100	586.7648	470.7750	0.0000	0.0000	0	0.00
Apr 2018	DAUS	11.94 Call	288	557.1868	441.3461	0.0000	0.0000	0	0.00
Apr 2018	DAUS	12.04 Put	240	4.4485	5.8176	0.0000	0.0000	0	0.00
Apr 2018	DAUS	12.10 Call	400	401.7752	288.5049	0.0000	0.0000	0	0.00
Apr 2018	DAUS	12.11 Call	240	392.2632	279.3251	0.0000	0.0000	0	0.00
Apr 2018	DAUS	13.80 Put	1,000	1305.0275	1421.1177	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.23 Call	500	0.0370	0.0589	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.66 Call	500	0.1167	0.1648	0.0000	0.0000	0	0.00
May 2018	DAUS	11.50 Put	2,000	0.0085	0.2547	0.0000	0.0000	0	0.00
May 2018	DAUS	11.80 Call	2,000	691.9996	582.6653	0.0000	0.0000	0	0.00
May 2018	DAUS	12.50 Call	2,000	95.4091	47.5357	0.0000	0.0000	0	0.00
May 2018	DAUS	12.25 Call	20,000	280.1528	186.5284	0.0000	0.0000	0	0.00
May 2018	DAUS	12.40 Call	35,311	170.2966	94.4172	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Call	100,000	508.2831	400.5945	0.0000	0.0000	0	0.00
May 2018	DAUS	12.10 Call	100,000	416.5343	313.0650	0.0000	0.0000	0	0.00
May 2018	DAUS	12.74 Put	1,880	295.2153	377.8517	0.0000	0.0000	0	0.00
May 2018	DAUS	13.86 Put	1,880	1358.5835	1471.8570	0.0000	0.0000	0	0.00
May 2018	DAUS	15.63 Call	1,880	0.1198	0.1420	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Put	11,000	312.3727	391.5401	0.0000	0.0000	0	0.00
May 2018	DAUS	14.50 Put	11,000	1989.0704	2101.5139	0.0000	0.0000	0	0.00
May 2018	DAUS	15.76 Call	11,000	0.1318	0.1259	0.0000	0.0000	0	0.00
May 2018	DAUS	10.90 Put	1,000	0.2177	0.1652	0.0000	0.0000	0	0.00
May 2018	DAUS	11.70 Put	1,000	3.1119	3.9144	0.0000	0.0000	0	0.00
May 2018	DAUS	12.20 Call	1,000	356.5763	265.4309	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Put	51,000	14.8436	25.3574	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>
May 2018	DAUS	11.95 Call	30,000	586.8932	481.8952	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Call	30,000	545.2210	442.6580	0.0000	0.0000	0	0.00
May 2018	DAUS	12.37 Call	30,000	279.1387	203.0507	0.0000	0.0000	0	0.00
May 2018	DAUS	12.45 Call	40,000	246.7230	0.0000	0.0000	0.0000	40,000	0.00
May 2018	DAUS	12.46 Call	30,000	241.3930	0.0000	0.0000	0.0000	30,000	0.00
May 2018	DAUS	13.80 Put	1,000	1268.1281	1373.1360	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.4798	0.4043	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	0.4988	0.4885	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	142.7999	102.2373	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1249.8306	1346.8371	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	2.1452	1.8514	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	2.0000	1.8005	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	87.7733	104.6971	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	63.6654	46.5280	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	51.8919	37.6691	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1849.3472	1950.5720	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	3.9001	2.9170	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1240.4731	1331.5949	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	5.3052	3.7955	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	2.9538	1.9997	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	203.5474	233.1312	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1293.2457	1384.0367	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	3.9262	2.8162	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	1236.7460	1322.8176	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	7.7035	5.1449	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	3.3319	2.1022	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	1233.7553	1315.9412	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	9.2440	6.0646	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	3.6849	2.3876	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	1231.2360	1309.7835	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	23.8632	18.8429	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	13.7325	9.8111	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	138.2955	153.2678	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	1280.7401	1359.7099	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	19.5792	13.9235	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	21.4796	23.6508	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	94.8850	104.9506	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	376.1069	327.2539	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	1232.4359	1306.9556	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	35.0102	26.5894	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	19.2610	14.1356	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	1113.8154	1183.1704	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Dec 2018	DAUS	15.69 Call	20,000	71.8077	59.9379	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	13.80 Put	1,000	1231.7094	1302.2993	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	16.93 Call	500	41.4321	32.5545	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	17.58 Call	500	23.1592	17.6729	0.0000	0.0000	0	0.00	
			<u>747,437</u>					<u>70,000.00</u>	<u>0.00</u>	<u>18 411 705.00</u>
	<b>Total</b>		<b>990,703</b>					<b>138,822.00</b>	<b>859,270,401.80</b>	<b>28 034 540.00</b>
										<b>116 715 464 066.20</b>
<b>Option</b>										
May 2018	DAYJ	8.94 Call	100,000	148.8094	299.6743	0.0000	0.0000	0	0.00	
Jun 2018	DAYJ	8.34 Put	110,000	945.4584	818.8935	0.0000	0.0000	0	0.00	
			<u>210,000</u>					<u>0.00</u>	<u>0.00</u>	<u>200 000.00</u>
	<b>Total</b>		<b>210,000</b>					<b>0.00</b>	<b>0.00</b>	<b>200 000.00</b>
										<b>0.00</b>
<b>Future</b>										
Jun 2018	EUUS	Future	80	1.2218	1.2264	1.2232	1.2229	60	733,830.00	
			<u>80</u>					<u>60.00</u>	<u>733,830.00</u>	<u>703 738.00</u>
	<b>Total</b>		<b>80</b>					<b>60.00</b>	<b>733,830.00</b>	<b>7 968 723 112.00</b>
										<b>703 738.00</b>
										<b>7 968 723 112.00</b>
<b>Future</b>										
Sep 2018	JYZA	Future	283	8.5100	8.5756	0.0000	0.0000	0	0.00	
			<u>283</u>					<u>0.00</u>	<u>0.00</u>	<u>18 783.00</u>
										<b>186 145 988.86</b>
<b>Option</b>										
Jun 2018	JYZA	8.89 Put	1,200	3065.9258	2655.7741	0.0000	0.0000	0	0.00	
			<u>1,200</u>					<u>0.00</u>	<u>0.00</u>	<u>25 800.00</u>
	<b>Total</b>		<b>1,483</b>					<b>0.00</b>	<b>0.00</b>	<b>44 583.00</b>
										<b>186 145 988.86</b>
<b>Future</b>										
Jun 2018	ZAAD	Future	13,777	9.5072	9.4701	9.4700	9.4700	4,525	42,811,428.80	
Sep 2018	ZAAD	Future	850	9.6217	9.5846	0.0000	0.0000	0	0.00	
Dec 2018	ZAAD	Future	11,312	9.7339	9.6975	0.0000	0.0000	0	0.00	
			<u>25,939</u>					<u>4,525.00</u>	<u>42,811,428.80</u>	<u>3 613 527.00</u>
	<b>Total</b>		<b>25,939</b>					<b>4,525.00</b>	<b>42,811,428.80</b>	<b>31 291 766 114.50</b>
										<b>3 645 904.00</b>
										<b>31 291 766 114.50</b>
<b>Future</b>										
Jun 2018	ZACA	Future	1,500	9.7708	9.7286	0.0000	0.0000	0	0.00	
			<u>1,500</u>					<u>0.00</u>	<u>0.00</u>	<u>131 183.00</u>
	<b>Total</b>		<b>1,500</b>					<b>0.00</b>	<b>0.00</b>	<b>1 288 822 267.10</b>
										<b>131 183.00</b>
										<b>1 288 822 267.10</b>
<b>Future</b>										
Jun 2018	ZAEU	Future	118,139	15.3587	15.2832	15.4275	15.3300	4,907	75,114,896.90	
Sep 2018	ZAEU	Future	57,482	15.6468	15.5706	15.6695	15.6656	500	7,832,846.80	

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Dec 2018	ZAEU	Future	7,625	15.9327	15.8567	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	Future	4,686	16.2513	16.1736	0.0000	0.0000	0	0.00	
Jun 2019	ZAEU	Future	5,256	16.5170	16.4366	0.0000	0.0000	0	0.00	
			<u>193,188</u>					<u>5,407.00</u>	<u>82,947,743.70</u>	<u>14 477 118.00</u>
<b>Option</b>										<u>206 095 919 018.10</u>
Jun 2018	ZAEU	13.50 Put	29,734	3.1564	3.5070	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.75 Put	50,995	6.2513	7.0586	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.97 Put	6,460	10.2016	10.8112	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.25 Put	29,734	18.5400	19.0535	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.30 Call	10,000	1079.3554	1004.3446	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.40 Call	10,000	984.3651	909.3082	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.00 Call	3,000	490.3133	427.9746	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.25 Put	50,995	232.0444	254.6597	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.63 Call	29,734	186.3087	151.4033	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.00 Call	3,000	99.9182	78.5582	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.44 Put	6,460	1124.5295	1188.0446	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	6,460	1.9716	1.5867	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	50,995	0.9062	0.7058	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	13.50 Put	29,734	14.4214	12.5749	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	86,824	41.8914	42.9034	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	614.0226	645.7821	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	183.7048	159.2256	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	17.2847	15.6394	0.0000	0.0000	0	0.00	
			<u>607,507</u>					<u>0.00</u>	<u>0.00</u>	<u>7 917 269.00</u>
<b>Total</b>			<b>800,695</b>					<b>5,407.00</b>	<b>82,947,743.70</b>	<b>22 394 387.00</b>
										<u>206 095 919 018.10</u>
<b>Future</b>										
Jun 2018	ZAFR	Future	1,215	12.8270	12.7612	0.0000	0.0000	0	0.00	
			<u>1,215</u>					<u>0.00</u>	<u>0.00</u>	<u>609 303.00</u>
<b>Total</b>			<b>1,215</b>					<b>0.00</b>	<b>0.00</b>	<b>609 303.00</b>
										<u>6 506 705 521.30</u>
<b>Future</b>										
Jun 2018	ZAGB	Future	446,812	17.5553	17.4461	17.6250	17.5000	1,509	26,437,650.00	
Sep 2018	ZAGB	Future	18,494	17.8303	17.7201	17.8428	17.8372	738	13,165,253.60	
Dec 2018	ZAGB	Future	6,117	18.0976	17.9869	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	Future	4,932	18.3878	18.2747	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,465	18.6585	18.5439	0.0000	0.0000	0	0.00	
			<u>481,820</u>					<u>2,247.00</u>	<u>39,602,903.60</u>	<u>10 741 609.00</u>
<b>Option</b>										<u>179 891 628 261.60</u>
Jun 2018	ZAGB	17.50 Put	500	351.4187	392.9281	0.0000	0.0000	0	0.00	
Jun 2018	ZAGB	20.40 Call	500	7.6229	5.2826	0.0000	0.0000	0	0.00	

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			1,000					0.00	0.00	1 774 113.00	0.00
		<b>Total</b>	<b>482,820</b>					<b>2,247.00</b>	<b>39,602,903.60</b>	12 515 722.00	179 891 628 261.60
<b>Future</b>											
	Jun 2018 ZAJY	Future	8,296	0.1154	0.1145	0.0000	0.0000	0	0.00		
			8,296					0.00	0.00	978 643.00	10 906 872 238.10
		<b>Total</b>	<b>8,296</b>					<b>0.00</b>	<b>0.00</b>	978 643.00	10 906 872 238.10
<b>Future</b>											
	Jun 2018 ZAKS	Future	1,145	0.1247	0.1232	0.0000	0.0000	0	0.00		
	Sep 2018 ZAKS	Future	562	0.1236	0.1220	0.0000	0.0000	0	0.00		
			1,707					0.00	0.00	31 923.00	432 652 210.00
		<b>Total</b>	<b>1,707</b>					<b>0.00</b>	<b>0.00</b>	31 923.00	432 652 210.00
<b>Future</b>											
	Jun 2018 ZATR	Future	12,120	3.0143	2.9940	0.0000	0.0000	0	0.00		
			12,120					0.00	0.00	250 309.00	896 989 419.50
		<b>Total</b>	<b>12,120</b>					<b>0.00</b>	<b>0.00</b>	250 309.00	896 989 419.50
<b>Future</b>											
	Jun 2018 ZAUM	Future	395	12.5705	12.4616	12.5795	12.4913	64	80,124,130.00		
	Sep 2018 ZAUM	Future	52	12.7132	12.6038	12.7227	12.7108	10	12,716,750.00		
	Dec 2018 ZAUM	Future	10	12.8493	12.7402	0.0000	0.0000	0	0.00		
			457					74.00	92,840,880.00	149 519.00	172 138 976 290.00
		<b>Total</b>	<b>457</b>					<b>74.00</b>	<b>92,840,880.00</b>	154 042.00	172 138 976 290.00
<b>Future</b>											
	Jun 2018 ZAUS	Future	1,135,006	12.5705	12.4616	12.6167	12.4882	213,968	2,686,351,684.80		
	Sep 2018 ZAUS	Future	58,808	12.7132	12.6038	12.7599	12.6348	1,896	23,928,718.80		
	Dec 2018 ZAUS	Future	22,251	12.8493	12.7402	12.8961	12.8375	1,099	14,148,152.90		
	Mar 2019 ZAUS	Future	2,623	12.9920	12.8817	0.0000	0.0000	0	0.00		
	Jun 2019 ZAUS	Future	3,087	13.1257	13.0141	0.0000	0.0000	0	0.00		
			1,221,775					216,963.00	2,724,428,556.50	172 123 594.00	2 029 117 338 165.90
<b>Option</b>											
	Jun 2018 ZAUS	11.00 Put	60,750	1.8198	2.3763	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.20 Put	2,550	3.4293	4.6624	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.35 Call	10,000	1226.1327	1119.2239	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.45 Call	10,000	1128.5425	1022.1290	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.50 Put	40,216	9.5772	12.3528	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.60 Put	12,000	13.4862	16.9414	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.70 Call	30	889.3055	784.7107	0.0000	0.0000	30	0.00		

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Jun 2018	ZAUS	11.75 Put	60,000	22.1227	26.9338	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.77 Put	76,000	23.5915	28.6219	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.80 Put	5,500	25.9583	31.3388	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.90 Put	9,500	35.4554	44.4948	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Call	3,000	622.3337	526.1639	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	29,050	51.8337	64.5639	0.0000	0.0000	100	0.00
Jun 2018	ZAUS	12.06 Put	150	64.0111	79.3435	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.12 Put	372	78.1231	96.3382	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.14 Put	155,500	83.2780	102.5149	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Call	500	506.4425	417.3019	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Put	1,000	85.9425	105.7019	0.0000	0.0000	1,000	0.00
Jun 2018	ZAUS	12.23 Call	3,000	449.9082	365.1873	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Call	40,000	436.3856	352.8343	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	12,415	115.8856	141.2343	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Call	4,000	403.6794	323.1512	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	133.1794	161.5512	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	12,603	172.5640	207.3423	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.45 Call	150	315.1844	244.4027	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Call	2,550	288.9207	223.1088	0.0000	0.0000	22,500	0.00
Jun 2018	ZAUS	12.50 Put	114,600	218.4207	261.5088	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	365.8614	427.7231	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	516.8108	591.0841	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Call	15,500	118.2649	85.7115	0.0000	0.0000	10,000	0.00
Jun 2018	ZAUS	13.00 Put	21,728	547.7649	624.1115	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	587.3174	666.1222	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	685.7563	769.3250	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	711.0636	795.7160	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	796.7402	885.1505	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	61.0275	42.2221	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	938.7770	1032.1569	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	956.8959	1050.8142	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	975.0864	1069.5260	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1104.2155	1201.8645	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1207.5449	1306.9607	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1254.9605	1354.9510	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1264.4096	1364.5754	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1283.3411	1383.8489	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1292.8237	1393.4976	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1349.9368	1451.5479	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	16.3721	10.4328	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1445.8721	1548.8328	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1542.5948	1646.6722	0.0000	0.0000	0	0.00

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Jun 2018	ZAUS	14.25 Put	2,000	1688.8442	1794.2362	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	4.9531	3.0451	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	3.2895	2.0093	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	2.6211	1.5971	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	1.5064	1.1536	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	1.4993	1.1532	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	1.4827	1.1540	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	1.4695	1.1567	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	1.4545	1.1650	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	1.4494	1.1714	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	1.4479	1.1745	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	1.4475	1.2104	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	1.4815	1.2861	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	1.2754	0.8860	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	1.1988	0.8310	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	1.0153	0.6998	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.9536	0.6559	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.7252	0.4943	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.4060	0.2715	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.3409	0.2266	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.2141	0.1403	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.1461	0.0945	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	39.0901	43.8450	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	41.2834	46.3395	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	53.7060	60.4598	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	73,314	77.3789	87.3163	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	96.9255	109.4243	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	107.9261	121.8347	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	132.5212	150.0532	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	676.3773	593.7932	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	232.4554	261.1500	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	532.9268	460.0332	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	4,000	319.7268	356.2332	0.0000	0.0000	4,000	0.00
Sep 2018	ZAUS	12.61 Put	5,300	374.5488	415.7230	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	395.6549	439.4288	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.68 Put	250	411.8870	457.6087	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	407.3248	347.9330	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	395.5442	337.4123	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	513.4142	566.7630	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	266.6011	0.0000	0.0000	0.0000	6,000	0.00
Sep 2018	ZAUS	13.25 Call	1,250	253.7527	212.7996	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	790.5527	858.9996	0.0000	0.0000	0	0.00



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Sep 2018	ZAUS	13.30 Call	1,500	241.5325	202.1083	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.50 Call	3,000	198.1486	164.6525	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.65 Call	1,464	170.9334	141.4347	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	15.97 Call	5,300	11.5457	8.3500	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.04 Call	1,550	10.2930	7.4430	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.14 Call	750	8.7155	6.3036	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.29 Call	73,314	6.7566	4.8936	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	11.64 Put	2,764	103.0921	112.7975	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.50 Call	150	728.9588	653.2929	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.50 Put	50	379.6588	413.0929	0.0000	0.0000	100	0.00		
Dec 2018	ZAUS	13.00 Call	6,000	503.8943	445.2435	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.20 Call	7,100	435.1205	382.6328	0.0000	0.0000	100	0.00		
Dec 2018	ZAUS	13.80 Call	2,764	282.0020	245.2958	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	14.89 Call	1,000	127.7780	108.2123	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.00 Call	1,000	118.0159	99.7684	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.95 Call	2,000	63.6043	52.7849	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	10.33 Put	1,000	10.3301	11.9267	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	11.74 Put	1,000	166.1038	177.6380	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.06 Put	4,145	254.5334	272.1005	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.76 Put	250	552.4011	589.7400	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.45 Call	4,145	519.8559	465.5376	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.48 Call	1,000	288.4275	253.7520	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.20 Call	1,000	189.1889	164.5271	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	84.0466	72.5576	0.0000	0.0000	0	0.00		
			<u>1,749,826</u>					<u>43,830.00</u>	<u>0.00</u>	<u>47 590 757.00</u>	<u>0.00</u>
<b>Total</b>			<b>2,971,601</b>					<b>260,793.00</b>	<b>2,724,428,556.50</b>	<b>219 714 351.00</b>	<b>2 029 117 338 165.90</b>
<b>Grand Total</b>			<b>5,508,693</b>					<b>411,928.00</b>	<b>3 842 635 744.40</b>	<b>300,001,821</b>	<b>2,821,002,966,518.68</b>