



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 06-September-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Oct 2018	CC01	Future	25,000	662.7441	653.0973	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>25 000.00</u>	<u>7 830 750.00</u>
		<b>Total</b>	<b>25,000</b>					<b>0.00</b>	<b>0.00</b>	<b>25 000.00</b>	<b>7 830 750.00</b>
<b>Future</b>											
Sep 2018	DAEU	Future	34	17.9010	17.9357	0.0000	0.0000	0	0.00		
			<u>34</u>					<u>0.00</u>	<u>0.00</u>	<u>801 260.00</u>	<u>11 964 751 196.80</u>
<b>Option</b>											
Aug 2019	DAEU	16.03 Put	31,200	208.7293	219.2154	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	30,200	244.8672	255.3978	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	31,200	416.1241	425.2536	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	1355.6691	1419.8359	0.0000	0.0000	0	0.00		
			<u>155,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 297 987.00</u>	<u>0.00</u>
		<b>Total</b>	<b>155,034</b>					<b>0.00</b>	<b>0.00</b>	<b>2 099 247.00</b>	<b>11 964 751 196.80</b>
<b>Future</b>											
Sep 2018	DAGB	Future	14	19.9762	20.0652	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	48	20.0385	20.1294	0.0000	0.0000	0	0.00		
			<u>62</u>					<u>0.00</u>	<u>0.00</u>	<u>53 817.00</u>	<u>883 082 673.80</u>
		<b>Total</b>	<b>62</b>					<b>0.00</b>	<b>0.00</b>	<b>261 130.00</b>	<b>883 082 673.80</b>
<b>Future</b>											
Sep 2018	DAUS	Future	0	15.3658	15.4312	0.0000	0.0000	300	4,605,000.00		
Sep 2018	DAUS	Future	300	15.3936	15.3735	0.0000	0.0000	300	4,612,050.00		
Sep 2018	DAUS	Future	197	15.4021	15.4683	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,673	15.4084	15.4748	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	15.4169	15.4834	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,000	15.4446	15.5680	0.0000	0.0000	2,000	31,036,000.00		
Oct 2018	DAUS	Future	235	15.4489	15.5161	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	15.4661	15.5337	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>		
Oct 2018	DAUS	Future	225	15.4747	15.5425	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	4,847	15.4790	15.5469	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	15.4812	15.5491	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	15.5070	15.5751	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	24	15.5112	15.4400	0.0000	0.0000	24	370,560.00		
Nov 2018	DAUS	Future	420	15.5133	15.5815	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	15.5407	15.6094	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	7,449	15.5428	15.6116	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,387	15.6075	15.6775	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	15.6116	15.6818	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	15.6697	15.7413	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	15.6718	15.7434	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	15.6987	15.7710	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	15.7298	15.8028	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	15.7859	15.8605	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	400	15.7900	15.8648	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	15.7984	15.8734	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	15.8565	15.9334	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	15.9209	15.9998	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	15.9870	16.0672	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	16.0537	16.1348	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	16.1227	16.2047	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	16.1923	16.2746	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	16.2613	16.3435	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	16.3374	16.4195	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	16.4112	16.4932	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	16.4802	16.5621	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	16.5540	16.6358	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	16.6278	16.7094	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	16.6921	16.7736	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	16.7730	16.8544	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	16.9063	16.9874	0.0000	0.0000	0	0.00		
			<u>120,462</u>					<u>2,624.00</u>	<u>40,623,610.00</u>	<u>10 586 564.00</u>	<u>129 278 386 587.80</u>
<b>Option</b>											
Sep 2018	DAUS	12.90 Put	100	0.0000	0.0823	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.09 Put	600	0.0000	0.1010	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.32 Call	600	2056.4001	2111.3314	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.45 Call	100	1926.4005	1981.3538	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Call	100	1576.4201	1631.4464	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.90 Call	600	1476.4424	1531.4865	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	14.45 Call	20,000	927.2815	985.0546	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.30 Put	747	0.7411	1.2345	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>
Sep 2018	DAUS	15.25 Put	20,000	173.9777	176.9018	0.0000	0.0000	0	0.00
Sep 2018	DAUS	15.00 Call	7,500	500.4243	572.1984	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.48 Put	40,000	48.1214	53.8613	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	2.2510	3.6939	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	1638.0031	1706.4190	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	9.9765	11.9845	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	31.7142	35.1916	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.54 Call	250	931.2178	1003.5860	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	143.6885	182.6016	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	75.2471	102.6893	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	13.7629	17.7123	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	1502.3782	1574.5497	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	16.0838	18.5929	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	43.4841	49.7312	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	1600.1710	1675.1753	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	97.0222	102.9611	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	1006.9594	1081.1798	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	277.1485	327.2149	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	188.7694	230.5571	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.85 Put	1,100	267.3805	273.2345	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.50 Call	1,100	569.7181	637.2687	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	4.3363	5.4835	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	53.4855	60.3537	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	237.7941	284.7107	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	2.0279	2.8197	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	4.8014	6.1866	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	2323.3438	2395.1618	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	10,000	83.5266	90.7377	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	1049.9022	1123.9066	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	1036.6583	1110.6269	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	945.0186	1017.0837	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	321.7186	325.5837	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	986.0777	1058.9510	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	1146.6883	1222.0422	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	27.3041	30.1419	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	79.7899	86.9403	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	1579.4610	1654.8341	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	151.9949	159.1728	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	1046.9822	1121.8132	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	355.4009	408.3696	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	255.0386	300.6762	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	643.8424	646.4370	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>
Dec 2018	DAUS	13.65 Put	20,000	75.4378	81.7646	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	98.9251	106.2285	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	946.5090	1019.1258	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	676.1334	743.5215	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	44.7473	48.6753	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	51.6862	55.9638	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	1231.0009	1305.1691	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	1173.0906	1247.0268	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	35.4100	37.1562	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	108.9657	114.3834	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	1574.4859	1648.1452	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	194.5257	198.2026	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	439.1823	438.5018	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	413.0294	461.8126	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	305.4963	348.2521	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	22.5157	22.9356	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	42.9824	41.3277	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	234.9608	234.4966	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	1564.4483	1635.2731	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	1113.3592	1177.6155	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	43.7387	43.0355	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	268.7619	264.9254	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	1564.8357	1632.5410	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	1143.9253	1205.0865	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	47.4949	46.5694	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	298.4453	294.9556	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	1563.0868	1632.2097	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	1166.6634	1229.3120	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	51.5010	50.3286	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	2488.9543	2563.4720	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	326.2650	320.9237	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	1559.9585	1632.6101	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	1188.4791	1253.1107	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	58.7356	53.3707	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	350.2999	343.7924	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	1558.9828	1633.3835	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	1210.1362	1276.2054	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	56.4691	55.0247	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	363.5990	361.2018	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	1559.9667	1634.9056	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	1227.4316	1296.6356	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	130.2130	128.3062	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	16.44 Call	39,250	1075.2716	1141.6138	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	58.5901	56.7135	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	381.0082	375.4027	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	1574.7848	1650.5225	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	1255.3076	1327.5377	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	482.8718	481.9216	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	1217.3254	1289.3395	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	59.9787	57.9780	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	394.6041	389.2298	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	1580.1107	1657.4640	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	1270.9866	1345.0850	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	673.2443	727.7093	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	77.2344	79.5859	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	412.9917	414.1274	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1609.5727	1686.9866	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	1308.2479	1382.6030	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	99.2203	115.9315	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	438.3864	442.3177	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1634.2229	1710.7008	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	1341.5371	1414.6498	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	130.5747	128.5318	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	462.6570	461.4662	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1665.0184	1741.3358	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	1377.3475	1449.8311	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	142.9041	154.7279	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	481.9107	484.4075	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1696.5477	1771.9976	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	1416.5592	1488.4236	0.0000	0.0000	0	0.00		
			<u>550,510</u>					<u>0.00</u>	<u>0.00</u>	<u>20 253 670.00</u>	<u>0.00</u>
<b>Total</b>			<b>670,972</b>					<b>2,624.00</b>	<b>40,623,610.00</b>	<b>30 840 234.00</b>	<b>129 278 386 587.80</b>
<b>Future</b>											
Sep 2018	EUUS	Future	7,143	1.1645	1.1630	0.0000	0.0000	0	0.00		
			<u>7,143</u>					<u>0.00</u>	<u>0.00</u>	<u>736 952.00</u>	<u>8 357 941 941.00</u>
<b>Total</b>			<b>7,143</b>					<b>0.00</b>	<b>0.00</b>	<b>736 952.00</b>	<b>8 357 941 941.00</b>
<b>Future</b>											
Sep 2018	GBUS	Future	250	1.2959	1.2961	0.0000	0.0000	0	0.00		
			<u>250</u>					<u>0.00</u>	<u>0.00</u>	<u>167 614.00</u>	<u>2 156 362 502.00</u>
<b>Total</b>			<b>250</b>					<b>0.00</b>	<b>0.00</b>	<b>167 614.00</b>	<b>2 156 362 502.00</b>

<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>		
Sep 2018	ZAAD	Future	12,197	11.0902	11.1105	11.0632	11.0632	1	11,063.20		
Dec 2018	ZAAD	Future	11,468	11.2287	11.2521	11.2040	11.2040	1	11,204.00		
Mar 2019	ZAAD	Future	520	11.3800	11.4069	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	11.5269	11.5573	0.0000	0.0000	0	0.00		
			<u>29,114</u>					<u>2.00</u>	<u>22,267.20</u>	<u>3 695 430.00</u>	<u>32 112 929 697.80</u>
	<b>Total</b>		<b>29,114</b>					<b>2.00</b>	<b>22,267.20</b>	<b>3 727 807.00</b>	<b>32 112 929 697.80</b>
<b>Future</b>											
Dec 2018	ZACA	Future	600	11.8267	11.8829	0.0000	0.0000	0	0.00		
			<u>600</u>					<u>0.00</u>	<u>0.00</u>	<u>137 653.00</u>	<u>1 355 055 071.60</u>
	<b>Total</b>		<b>600</b>					<b>0.00</b>	<b>0.00</b>	<b>137 653.00</b>	<b>1 355 055 071.60</b>
<b>Future</b>											
Sep 2018	ZADK	Future	245	2.4144	2.4218	0.0000	0.0000	0	0.00		
Dec 2018	ZADK	Future	240	2.4633	2.4716	0.0000	0.0000	0	0.00		
			<u>485</u>					<u>0.00</u>	<u>0.00</u>	<u>12 090.00</u>	<u>260 091 854.00</u>
	<b>Total</b>		<b>485</b>					<b>0.00</b>	<b>0.00</b>	<b>12 090.00</b>	<b>260 091 854.00</b>
<b>Future</b>											
Sep 2018	ZAEU	Future	97,706	17.9161	17.9701	17.9900	17.8300	920	16,424,414.00		
Dec 2018	ZAEU	Future	41,234	18.2592	18.3187	18.3115	18.1844	6,092	111,394,405.30		
Mar 2019	ZAEU	Future	5,496	18.6402	18.7048	0.0000	0.0000	770	14,295,512.00		
Jun 2019	ZAEU	Future	5,256	19.0030	19.0741	0.0000	0.0000	0	0.00		
			<u>149,692</u>					<u>7,782.00</u>	<u>142,114,331.30</u>	<u>15 263 930.00</u>	<u>218 444 123 408.20</u>
<b>Option</b>											
Sep 2018	ZAEU	13.50 Put	29,734	0.0000	0.0399	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	57,090	0.0313	0.1100	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	2.5216	4.7487	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	1169.5615	1231.1049	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	19.8485	40.5235	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	16.00 Call	650	2763.5157	2831.1311	0.0000	0.0000	0	0.00		
			<u>290,856</u>					<u>0.00</u>	<u>0.00</u>	<u>8 025 012.00</u>	<u>0.00</u>
	<b>Total</b>		<b>440,548</b>					<b>7,782.00</b>	<b>142,114,331.30</b>	<b>23 288 942.00</b>	<b>218 444 123 408.20</b>
<b>Future</b>											
Sep 2018	ZAFR	Future	1,775	15.9084	15.9173	0.0000	0.0000	0	0.00		
Dec 2018	ZAFR	Future	755	16.2288	16.2419	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	16.9268	16.9463	0.0000	0.0000	0	0.00		
			<u>2,680</u>					<u>0.00</u>	<u>0.00</u>	<u>616 960.00</u>	<u>6 612 282 288.80</u>
	<b>Total</b>		<b>2,680</b>					<b>0.00</b>	<b>0.00</b>	<b>616 960.00</b>	<b>6 612 282 288.80</b>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
<b>Future</b>											
Sep 2018	ZAGB	Future	195,821	19.9369	20.0261	19.9700	19.8300	2,197	43,711,965.30		
Dec 2018	ZAGB	Future	309,827	20.2586	20.3531	0.0000	0.0000	400	8,135,200.00		
Mar 2019	ZAGB	Future	4,932	20.6103	20.7108	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,006	20.9419	21.0504	0.0000	0.0000	150	3,131,640.00		
Sep 2019	ZAGB	Future	4,645	21.3115	21.4232	0.0000	0.0000	0	0.00		
			<u>521,231</u>					<u>2,747.00</u>	<u>54,978,805.30</u>	<u>12 330 789.00</u>	<u>208 460 379 090.00</u>
<b>Option</b>											
Mar 2019	ZAGB	18.00 Put	500	229.6339	223.4916	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	920.2877	991.2755	0.0000	0.0000	0	0.00		
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 775 113.00</u>	<u>0.00</u>
		<b>Total</b>	<b>522,231</b>					<b>2,747.00</b>	<b>54,978,805.30</b>	<b>14 105 902.00</b>	<b>208 460 379 090.00</b>
<b>Future</b>											
Sep 2018	ZAJY	Future	6,905	0.1388	0.1385	0.0000	0.0000	0	0.00		
			<u>6,905</u>					<u>0.00</u>	<u>0.00</u>	<u>1 001 072.00</u>	<u>11 183 618 452.50</u>
		<b>Total</b>	<b>6,905</b>					<b>0.00</b>	<b>0.00</b>	<b>1 001 072.00</b>	<b>11 183 618 452.50</b>
<b>Future</b>											
Sep 2018	ZAKS	Future	562	0.1526	0.1532	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,628	0.1503	0.1524	0.0000	0.0000	0	0.00		
			<u>2,190</u>					<u>0.00</u>	<u>0.00</u>	<u>36 428.00</u>	<u>491 517 260.00</u>
		<b>Total</b>	<b>2,190</b>					<b>0.00</b>	<b>0.00</b>	<b>36 428.00</b>	<b>491 517 260.00</b>
<b>Future</b>											
Sep 2018	ZATR	Future	5,270	2.3232	2.3252	0.0000	0.0000	6,000	13,861,200.00		
Dec 2018	ZATR	Future	6,000	2.2269	2.2255	0.0000	0.0000	0	0.00		
			<u>11,270</u>					<u>6,000.00</u>	<u>13,861,200.00</u>	<u>359 969.00</u>	<u>1 175 696 971.00</u>
		<b>Total</b>	<b>11,270</b>					<b>6,000.00</b>	<b>13,861,200.00</b>	<b>359 969.00</b>	<b>1 175 696 971.00</b>
<b>Future</b>											
Sep 2018	ZAUM	Future	340	15.3851	15.4511	0.0000	0.0000	0	0.00		
Dec 2018	ZAUM	Future	110	15.5722	15.6414	0.0000	0.0000	12	18,642,000.00		
Mar 2019	ZAUM	Future	10	15.7672	15.8413	0.0000	0.0000	0	0.00		
			<u>460</u>					<u>12.00</u>	<u>18,642,000.00</u>	<u>152 536.00</u>	<u>176 122 589 600.00</u>
		<b>Total</b>	<b>460</b>					<b>12.00</b>	<b>18,642,000.00</b>	<b>157 059.00</b>	<b>176 122 589 600.00</b>
<b>Future</b>											
Sep 2018	ZAUS	Future	456,546	15.3851	15.4511	15.5524	15.2900	32,595	502,355,184.90		
Dec 2018	ZAUS	Future	458,745	15.5722	15.6414	15.7400	15.4804	11,779	183,599,587.20		
Mar 2019	ZAUS	Future	30,826	15.7672	15.8413	0.0000	0.0000	18,430	290,313,437.00		

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Jun 2019	ZAUS	Future	19,210	15.9503	16.0301	0.0000	0.0000	525	8,357,580.00
Sep 2019	ZAUS	Future	15,184	16.1542	16.2366	0.0000	0.0000	3,000	48,501,000.00
Mar 2020	ZAUS	Future	2,756	16.5874	16.6690	0.0000	0.0000	1,430	23,643,620.00
			<u>983,267</u>					<u>67,759.00</u>	<u>1,056,770,409.10</u>
									<u>183 533 170.00</u>
									<u>2 185 691 205 302.20</u>

Option

Sep 2018	ZAUS	11.48 Put	5,200	0.0000	0.0586	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	0.0000	0.0599	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	0.0000	0.0669	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	0.0002	0.0790	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	0.0008	0.0884	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	0.0015	0.0935	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	0.0045	0.1047	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	3135.1465	3201.2393	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	0.0465	0.1393	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	0.0699	0.1477	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	0.0885	0.1703	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	3,600	2885.2258	2951.3388	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	44,000	0.1258	0.2388	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	0.1588	0.2987	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	0.1733	0.3248	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	0.1947	0.3630	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	2615.3755	2681.6056	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	2585.4004	2651.6491	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Put	500	0.3004	0.5491	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	0.3469	0.6296	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	2385.6332	2452.0460	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	70,000	0.5332	0.9460	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.10 Put	2,500	0.7090	1.2377	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	2186.0414	2252.7155	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,500	0.9414	1.6155	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	10,000	0.9961	1.7034	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	2136.1841	2202.9440	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	1.0841	1.8440	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	500	2086.3481	2153.2036	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	500	1887.2833	1954.6405	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	1787.9803	1855.6756	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	2.8803	4.5756	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	1738.4060	1806.2963	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	1392.5531	1462.5657	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	22,000	7.4531	11.4657	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	1195.9173	1267.2415	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.50 Call	500	904.8508	978.8495	0.0000	0.0000	0	0.00



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Sep 2018	ZAUS	14.70 Call	63,000	719.1273	791.7383	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	487.0182	559.8396	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Put	50	101.9182	108.7396	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	101.8649	144.6810	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	90.4438	130.7075	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	76.3316	113.0882	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	56.0882	89.9670	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	7.4341	8.5301	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	8.0778	9.2348	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	9.0491	10.2928	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	9.7631	11.0674	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	9.9130	11.2292	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	10.5367	11.9027	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	11.3753	12.8047	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	11.8208	13.2826	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	13.0692	14.6170	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	3087.1556	3157.3825	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	14.9556	15.9825	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	18.3462	19.6986	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	19.8212	21.3159	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	22.0612	23.7726	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	29.7349	32.1840	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	2604.1843	2676.0479	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	31.9843	34.6479	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	34.3807	37.2703	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	36.9310	40.0600	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	2414.7297	2487.5744	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	43.7335	47.4873	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	2367.7943	2440.9164	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	45.5943	49.5164	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	50.2027	54.5359	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	50.8928	55.2872	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	2182.0296	2256.3947	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	59.8296	64.9947	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	2136.1316	2210.8394	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	63.9316	69.4394	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	72.8562	79.0887	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	80.7371	87.5833	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	82.8160	89.8198	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	20	83.8723	90.9563	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	88.2113	95.6176	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1883.7865	1960.6411	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.79 Put	10,000	92.7358	100.4741	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1866.0972	1943.1179	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	93.8972	101.7179	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	1735.0280	1813.3442	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,400	1692.0168	1770.7653	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	68,250	119.8168	129.3653	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	139.5417	145.2937	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	143.7437	149.5303	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	1588.0774	1663.0944	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	150.2086	156.0890	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	152.4082	158.3177	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	1533.6296	1608.8524	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	161.4296	167.4524	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	170.8089	176.9391	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	1495.4111	1570.7658	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	1435.4571	1510.9938	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	193.2571	199.5938	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	1420.7024	1496.2770	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	198.5024	204.8770	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	20	1398.7451	1474.3765	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	1355.4785	1431.2012	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	1313.0772	1388.8663	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	240.8772	247.4663	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	1244.3655	1320.2057	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	272.1655	278.8057	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	1237.6303	1313.4705	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	1230.9172	1306.7620	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	1197.7381	1273.5699	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	295.5381	302.1699	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	1178.1272	1253.9452	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	320.1335	326.7141	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	1145.9478	1221.7196	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	323.7478	330.3196	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	1115.9121	1190.1002	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	343.7121	348.7002	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	1092.3912	1165.2423	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	10,000	1002.6183	1074.5236	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	997.2335	1069.0929	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	955.1013	1026.5664	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	949.9513	1021.3638	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	924.5871	995.7259	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	527.6595	529.3100	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.37 Call	4,372	820.4310	890.1676	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	781.1945	850.2655	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	772.7307	841.6473	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,000	764.3583	833.1185	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	692.1583	691.7185	0.0000	0.0000	100	0.00
Dec 2018	ZAUS	15.51 Call	24,570	760.2062	828.8874	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	727.8899	795.8299	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	720.0536	787.7836	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,580	685.8589	752.5338	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	674.8397	741.1358	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	903.8155	899.4858	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	632.6052	697.3452	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	612.5541	676.4960	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	583.7520	646.4833	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	550.5440	611.7679	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	541.8512	602.6618	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	524.9227	584.9035	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	513.9637	573.3904	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	435.4651	490.2699	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	385.8608	437.4280	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	349.6566	398.6021	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	3.5893	3.9443	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	15.5736	17.3278	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	19.6455	21.4175	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	19.8990	21.6676	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	36.4450	35.6230	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	37.9938	37.1435	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	44.6929	43.7170	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	49.3029	0.0000	0.0000	0.0000	2,310	0.00
Mar 2019	ZAUS	13.12 Put	138,000	56.3352	55.1474	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	10,000	71.2997	69.8458	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	86.0330	84.3229	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	101.1858	99.2178	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	140.8484	138.2192	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	144.9057	142.2098	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	155.3882	152.5218	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	164.1291	161.1204	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	180.1922	176.9225	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	189.8161	186.3918	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	215.3073	211.4802	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	226.0849	222.0878	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	296.3373	292.1745	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	14.30 Call	1,000	1769.6833	1839.5258	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	318.1989	313.6971	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	347.7358	342.7822	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	1648.5829	1717.5179	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,000	368.3267	363.0577	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	378.8927	373.4617	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	389.6391	384.0397	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	14,200	457.9110	451.2570	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	490.3359	483.1802	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10	494.4781	487.2604	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	498.6402	491.3602	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	1357.3283	1423.3586	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	587.3124	0.0000	0.0000	0.0000	77,255	0.00
Mar 2019	ZAUS	15.12 Put	99,824	627.1118	616.3882	0.0000	0.0000	197,056	0.00
Mar 2019	ZAUS	15.13 Put	7,100	632.1788	621.3950	0.0000	0.0000	6,664	0.00
Mar 2019	ZAUS	15.17 Call	720	1249.8482	1312.9093	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	662.9987	651.8381	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	668.2059	656.9801	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	732.2192	720.2242	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	1121.8790	1183.1402	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	1117.5838	1178.7775	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	1083.8744	1144.5440	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	1035.4463	1095.3243	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	978.2809	1037.2568	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	948.5665	1007.2624	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	20,000	909.3457	966.9284	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	865.3559	921.6199	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	787.5179	841.2432	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	725.8128	777.3325	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	637.4836	0.0000	0.0000	0.0000	25,200	0.00
Mar 2019	ZAUS	16.97 Call	63,500	635.2284	0.0000	0.0000	0.0000	127,000	0.00
Mar 2019	ZAUS	17.02 Call	262,812	624.1036	671.8214	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	611.0803	658.2853	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	608.9437	656.0630	0.0000	0.0000	199,648	0.00
Mar 2019	ZAUS	17.10 Call	2,500	606.8168	653.8504	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	580.0243	625.9655	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	528.0194	572.3758	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	443.4268	484.4777	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	387.8232	426.4184	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	13.2898	12.7887	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	31.1041	33.6140	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	33.6563	36.5292	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	12.98 Put	911	55.5934	49.9445	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	90.8859	84.1325	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	220.0523	212.2845	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	6,250	234.3935	226.6495	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	1,000	2235.0190	2307.1695	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	1950.6604	2027.6179	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	1849.8552	1927.9876	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	1707.1378	1784.1203	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	1346.3676	1415.8942	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	6,250	1317.4012	1386.4999	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	1246.3674	1314.3507	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	1201.6629	1268.8977	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	18.8330	17.7997	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	46.3517	60.0601	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	293.2299	300.0609	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	384.1390	387.0976	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	604.5328	606.5777	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	918.5532	0.0000	0.0000	0.0000	5,000	0.00		
Sep 2019	ZAUS	15.55 Call	30,000	1617.8357	1696.4318	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1019.3562	1015.5051	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	1487.9528	1564.7049	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	1049.7463	1117.3236	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	951.0699	0.0000	0.0000	0.0000	5,000	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	905.1139	967.8145	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	888.2513	950.5348	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	785.3349	843.9555	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	57.1341	59.1286	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	276.4458	278.4921	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	1271.8343	1341.1054	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	796.4840	842.8088	0.0000	0.0000	0	0.00		
			<u>6,763,007</u>					<u>645,233.00</u>	<u>0.00</u>	<u>57 906 523.00</u>	<u>0.00</u>
	<b>Total</b>		<b>7,746,274</b>					<b>712,992.00</b>	<b>1,056,770,409.10</b>	<b>241 439 693.00</b>	<b>2 185 691 205 302.20</b>
	<b>Grand Total</b>		<b>9,621,218</b>					<b>732,159.00</b>	<b>1 327 012 622.90</b>	<b>328,402,030</b>	<b>3,037,282,938,783.82</b>