



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 05-September-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Oct 2018	CC01	Future	25,000	653.0973	642.4662	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	17.9357	17.6010	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	219.2154	253.5599	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	30,200	255.3978	293.9212	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	31,200	425.2536	481.6223	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	1419.8359	1227.9203	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	20.0652	19.6177	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	48	20.1294	19.6808	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	300	15.4312	15.2286	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	15.4683	15.2671	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,673	15.4748	15.2737	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	15.4834	15.2824	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	15.5161	15.3146	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	15.5337	15.3315	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	15.5425	15.3400	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	4,847	15.5469	15.3443	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>		
Nov 2018	DAUS	Future	55	15.5491	15.3464	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	15.5751	15.3715	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	420	15.5815	15.3777	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	15.6094	15.4047	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	7,449	15.6116	15.4068	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,387	15.6775	15.4706	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	15.6818	15.4747	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	15.7413	15.5322	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	15.7434	15.5342	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	15.7710	15.5609	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	15.8028	15.5918	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	15.8605	15.6476	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	400	15.8648	15.6517	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	15.8734	15.6600	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	15.9334	15.7179	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	15.9998	15.7821	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	16.0672	15.8485	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	16.1348	15.9154	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	16.2047	15.9844	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	16.2746	16.0543	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	16.3435	16.1226	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	16.4195	16.1980	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	16.4932	16.2710	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	16.5621	16.3393	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	16.6358	16.4123	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	16.7094	16.4854	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	16.7736	16.5490	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	16.8544	16.6291	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	16.9874	16.7610	0.0000	0.0000	0	0.00		
			<u>118,438</u>					<u>0.00</u>	<u>0.00</u>	<u>10 583 940.00</u>	<u>129 237 762 977.80</u>

Option

Sep 2018	DAUS	13.43 Put	10,000	0.0000	0.1074	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.44 Put	15,000	0.0001	0.1088	0.0000	0.0000	0	0.00
Sep 2018	DAUS	12.90 Put	100	0.0823	0.0000	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.09 Put	600	0.1010	0.0002	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.32 Call	600	2111.3314	1908.5050	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.45 Call	100	1981.3538	1778.5220	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Call	100	1631.4464	1428.9796	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.90 Call	600	1531.4865	1329.2973	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.45 Call	20,000	985.0546	788.9502	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	1.2345	0.5261	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.95 Put	0	70.8546	131.5912	0.0000	0.0000	20,000	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	176.9018	0.0000	0.0000	0.0000	20,000	0.00
Sep 2018	DAUS	15.00 Call	7,500	572.1984	433.6384	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.48 Put	40,000	53.8613	74.0497	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	3.6939	3.6974	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	1706.4190	1506.7849	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	11.9845	13.9202	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	35.1916	48.5794	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.54 Call	250	1003.5860	830.0443	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	182.6016	129.6119	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	102.6893	69.9074	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	17.7123	18.7299	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	1574.5497	1389.6344	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	18.5929	19.3121	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	49.7312	54.5569	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	1675.1753	1485.4958	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	102.9611	128.0761	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	1081.1798	920.0580	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	327.2149	250.4327	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	230.5571	170.7354	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.85 Put	1,100	273.2345	324.2551	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.50 Call	1,100	637.2687	516.3373	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	5.4835	5.2070	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	60.3537	68.5101	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	284.7107	215.8496	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	2.8197	2.6260	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	6.1866	5.5890	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	2395.1618	2193.8064	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	10,000	90.7377	0.0000	0.0000	0.0000	5,403	0.00
Nov 2018	DAUS	14.72 Call	5,000	1123.9066	962.0765	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	1110.6269	950.1451	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	1017.0837	864.5245	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	325.5837	376.8245	0.0000	0.0000	30,000	0.00
Nov 2018	DAUS	14.84 Call	10,000	1058.9510	903.8493	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	1222.0422	1053.8862	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	30.1419	32.8929	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	86.9403	93.8838	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	1654.8341	1470.6751	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	159.1728	184.1766	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	1121.8132	964.8547	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	408.3696	327.3178	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	300.6762	235.0961	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	646.4370	0.0000	0.0000	0.0000	23,000	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	81.7646	88.5706	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	106.2285	115.1184	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	1019.1258	872.1888	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	743.5215	621.5717	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	48.6753	53.3651	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	55.9638	61.2690	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	1305.1691	1138.0688	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	1247.0268	1084.5524	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	37.1562	42.7658	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	114.3834	124.9990	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	1648.1452	1468.0883	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	198.2026	225.8442	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	438.5018	495.1712	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	461.8126	382.4000	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	348.2521	282.7184	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	22.9356	26.8107	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	41.3277	48.5565	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	234.4966	265.2712	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	1635.2731	1460.4885	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	1177.6155	1034.0837	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	43.0355	52.2886	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	264.9254	297.8437	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	1632.5410	1462.2162	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	1205.0865	1066.2612	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	46.5694	60.7388	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	294.9556	327.7523	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	1632.2097	1463.3459	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	1229.3120	1091.3739	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	50.3286	66.7690	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	2563.4720	2373.4316	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	320.9237	356.8183	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	1632.6101	1463.8006	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	1253.1107	1116.0829	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	53.3707	68.0135	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	343.7924	384.2401	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	1633.3835	1467.2881	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	1276.2054	1139.2575	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	55.0247	70.7496	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	361.2018	405.8458	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	1634.9056	1473.9904	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	1296.6356	1157.6824	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	128.3062	154.2762	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	16.44 Call	39,250	1141.6138	1013.0580	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	56.7135	78.7366	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	375.4027	425.7910	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	1650.5225	1492.5407	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	1327.5377	1186.3062	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	481.9216	522.7881	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	1289.3395	1151.1880	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	57.9780	75.7519	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	389.2298	436.1262	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	1657.4640	1500.0764	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	1345.0850	1203.4870	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	727.7093	0.0000	0.0000	0.0000	40,000	0.00		
Sep 2019	DAUS	13.00 Put	500	79.5859	81.0713	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	414.1274	452.2735	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1686.9866	1530.9633	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	1382.6030	1240.8093	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	115.9315	109.0902	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	442.3177	476.1978	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1710.7008	1555.3897	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	1414.6498	1271.7881	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	128.5318	130.0102	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	461.4662	494.3484	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1741.3358	1584.4674	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	1449.8311	1305.3167	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	154.7279	149.5817	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	484.4075	515.0364	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1771.9976	1614.8955	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	1488.4236	1342.2685	0.0000	0.0000	0	0.00		
			<u>575,510</u>					<u>138,403.00</u>	<u>0.00</u>	<u>20 253 670.00</u>	<u>0.00</u>
<b>Total</b>			<b>693,948</b>					<b>138,403.00</b>	<b>0.00</b>	<b>30 837 610.00</b>	<b>129 237 762 977.80</b>
<b>Option</b>											
Sep 2018	DAYJ	8.26 Call	25,000	0.1631	0.3585	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>50 000.00</u>	<u>0.00</u>
<b>Total</b>			<b>25,000</b>					<b>0.00</b>	<b>0.00</b>	<b>50 000.00</b>	<b>0.00</b>
<b>Future</b>											
Sep 2018	EUUS	Future	7,143	1.1630	1.1566	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>

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Sep 2018	GBUS	Future	250	1.2961	1.2839	1.2984	1.2980	250	3,245,500.00		
			250					250.00	3,245,500.00	167 614.00	2 156 362 502.00
		<b>Total</b>	<b>250</b>					<b>250.00</b>	<b>3,245,500.00</b>	167 614.00	2 156 362 502.00
<b>Future</b>											
Sep 2018	ZAAD	Future	12,197	11.1105	10.9548	11.1084	11.1084	105	1,166,382.00		
Dec 2018	ZAAD	Future	11,469	11.2521	11.0927	0.0000	0.0000	0	0.00		
Mar 2019	ZAAD	Future	520	11.4069	11.2423	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	11.5573	11.3873	0.0000	0.0000	0	0.00		
			29,115					105.00	1,166,382.00	3 695 428.00	32 112 907 430.60
		<b>Total</b>	<b>29,115</b>					<b>105.00</b>	<b>1,166,382.00</b>	3 727 805.00	32 112 907 430.60
<b>Future</b>											
Dec 2018	ZACA	Future	600	11.8829	11.7311	12.0200	12.0132	10	120,166.00		
			600					10.00	120,166.00	137 653.00	1 355 055 071.60
		<b>Total</b>	<b>600</b>					<b>10.00</b>	<b>120,166.00</b>	137 653.00	1 355 055 071.60
<b>Future</b>											
Sep 2018	ZADK	Future	245	2.4218	2.3766	0.0000	0.0000	0	0.00		
Dec 2018	ZADK	Future	240	2.4716	2.4251	0.0000	0.0000	0	0.00		
			485					0.00	0.00	12 090.00	260 091 854.00
		<b>Total</b>	<b>485</b>					<b>0.00</b>	<b>0.00</b>	12 090.00	260 091 854.00
<b>Future</b>											
Sep 2018	ZAEU	Future	97,748	17.9701	17.6378	18.1021	17.9879	1,762	31,734,756.70		
Dec 2018	ZAEU	Future	40,969	18.3187	17.9780	18.4400	18.3294	129	2,368,810.30		
Mar 2019	ZAEU	Future	4,726	18.7048	18.3521	18.7515	18.7515	1	18,751.50		
Jun 2019	ZAEU	Future	5,256	19.0741	18.7113	0.0000	0.0000	0	0.00		
			148,699					1,892.00	34,122,318.50	15 256 148.00	218 302 009 076.90
<b>Option</b>											
Sep 2018	ZAEU	13.50 Put	29,734	0.0399	0.0347	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	57,090	0.1100	0.1105	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	4.7487	6.8257	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	1231.1049	913.9478	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	40.5235	18.6218	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	16.00 Call	650	2831.1311	2512.0788	0.0000	0.0000	0	0.00		
			290,856					0.00	0.00	8 025 012.00	0.00
		<b>Total</b>	<b>439,555</b>					<b>1,892.00</b>	<b>34,122,318.50</b>	23 281 160.00	218 302 009 076.90
<b>Future</b>											
Sep 2018	ZAFR	Future	1,775	15.9173	15.6522	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	ZAFR	Future	755	16.2419	15.9692	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	16.9463	16.6553	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>
<b>Future</b>											
Sep 2018	ZAGB	Future	196,322	20.0261	19.5785	20.1100	19.9600	504	10,080,698.40		
Dec 2018	ZAGB	Future	309,627	20.3531	19.8961	20.3800	20.3210	2,332	47,273,848.70		
Mar 2019	ZAGB	Future	4,932	20.7108	20.2407	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,156	21.0504	20.5683	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	4,645	21.4232	20.9345	0.0000	0.0000	0	0.00		
			<u>521,682</u>					<u>2,836.00</u>	<u>57,354,547.10</u>	<u>12 328 042.00</u>	<u>208 405 400 284.70</u>
		<b>Total</b>	<b>521,682</b>					<b>2,836.00</b>	<b>57,354,547.10</b>	<b>12 328 042.00</b>	<b>208 405 400 284.70</b>
<b>Option</b>											
Mar 2019	ZAGB	18.00 Put	500	223.4916	279.8252	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	991.2755	779.2645	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>522,682</b>					<b>2,836.00</b>	<b>57,354,547.10</b>	<b>14 103 155.00</b>	<b>208 405 400 284.70</b>
<b>Future</b>											
Sep 2018	ZAJY	Future	6,905	0.1385	0.1370	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	0.1532	0.1511	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,628	0.1524	0.1478	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	6,000	2.3252	2.2561	0.0000	0.0000	6,000	13,923,000.00		
Dec 2018	ZATR	Future	6,000	2.2255	2.1584	0.0000	0.0000	6,000	13,144,800.00		
			<u>12,000</u>					<u>12,000.00</u>	<u>27,067,800.00</u>	<u>353 969.00</u>	<u>1 161 835 771.00</u>
		<b>Total</b>	<b>12,000</b>					<b>12,000.00</b>	<b>27,067,800.00</b>	<b>353 969.00</b>	<b>1 161 835 771.00</b>
<b>Future</b>											
Sep 2018	ZAUM	Future	340	15.4511	15.2497	0.0000	0.0000	0	0.00		
Dec 2018	ZAUM	Future	98	15.6414	15.4356	0.0000	0.0000	19	30,005,350.00		
Mar 2019	ZAUM	Future	10	15.8413	15.6289	0.0000	0.0000	0	0.00		
			<u>448</u>					<u>19.00</u>	<u>30,005,350.00</u>	<u>152 524.00</u>	<u>176 103 947 600.00</u>
		<b>Total</b>	<b>448</b>					<b>19.00</b>	<b>30,005,350.00</b>	<b>157 047.00</b>	<b>176 103 947 600.00</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>
<b>Future</b>									
Sep 2018	ZAUS	Future	455,587	15.4511	15.2497	15.7077	15.4200	86,024	1,338,214,525.40
Dec 2018	ZAUS	Future	456,026	15.6414	15.4356	15.9145	15.6300	98,724	1,550,629,264.80
Mar 2019	ZAUS	Future	34,352	15.8413	15.6289	16.0160	15.9898	6,017	95,791,018.10
Jun 2019	ZAUS	Future	19,210	16.0301	15.8118	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	Future	12,184	16.2366	16.0166	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	Future	2,041	16.6690	16.4453	0.0000	0.0000	1,020	17,117,130.00
			<u>979,400</u>					<u>191,785.00</u>	<u>3,001,751,938.30</u>
									<u>183 465 411.00</u>
									<u>2 184 634 434 893.10</u>
<b>Option</b>									
Sep 2018	ZAUS	11.48 Put	5,200	0.0586	0.0483	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	0.0599	0.0493	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	0.0669	0.0550	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	0.0790	0.0647	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	0.0884	0.0723	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	0.0935	0.0764	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	0.1047	0.0853	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	3201.2393	2999.8238	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	0.1393	0.1238	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	0.1477	0.1433	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	0.1703	0.1810	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	3,600	2951.3388	2749.9564	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	44,000	0.2388	0.2564	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	0.2987	0.3228	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	0.3248	0.3518	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	0.3630	0.3945	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	2681.6056	2480.2553	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	2651.6491	2450.3046	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Put	500	0.5491	0.6046	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	0.6296	0.6963	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	2452.0460	2250.7608	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	70,000	0.9460	1.0608	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.10 Put	2,500	1.2377	1.4008	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	2252.7155	2051.5459	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,500	1.6155	1.8459	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	10,000	1.7034	1.9500	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	2202.9440	2001.8172	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	1.8440	2.1172	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	500	2153.2036	1952.1269	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	500	1954.6405	1753.8658	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	1855.6756	1655.1372	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	4.5756	5.4372	0.0000	0.0000	0	0.00



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Sep 2018	ZAUS	13.65 Call	1,464	1806.2963	1605.9054	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	1462.5657	1262.9287	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	22,000	11.4657	13.2287	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	1267.2415	1069.6172	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.50 Call	500	978.8495	787.3006	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	791.7383	625.2227	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	559.8396	421.6770	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Put	50	108.7396	171.9770	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	144.6810	96.8307	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	130.7075	86.4786	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	113.0882	73.1581	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	89.9670	56.8476	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	8.5301	8.0131	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	9.2348	8.7091	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	10.2928	9.7604	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	11.0674	10.5346	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	11.2292	10.6972	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	11.9027	11.3742	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	12.8047	12.2856	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	13.2826	12.7704	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	14.6170	14.4928	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	3157.3825	2953.2074	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	15.9825	17.6074	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	19.6986	21.6324	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	21.3159	23.3823	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	23.7726	26.0398	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	32.1840	35.1331	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	2676.0479	2473.3955	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	34.6479	37.7955	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	37.2703	40.6291	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	40.0600	43.6445	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	2487.5744	2285.8525	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	47.4873	51.6723	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	2440.9164	2239.4661	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	49.5164	53.8661	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	54.5359	59.2939	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	55.2872	60.1061	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	2256.3947	2056.2095	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	64.9947	70.6095	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	2210.8394	2011.0202	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	69.4394	75.4202	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	79.0887	85.8711	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.68 Put	13,150	87.5833	95.0772	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	89.8198	97.5029	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	20	90.9563	98.7348	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	95.6176	103.7905	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1960.6411	1763.3222	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	100.4741	109.0597	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1943.1179	1746.0108	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	101.7179	110.4108	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	1813.3442	1620.1500	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,400	1770.7653	1580.5605	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	68,250	129.3653	144.9605	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	145.2937	167.4345	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	149.5303	172.1987	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	1663.0944	1480.2173	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	156.0890	179.5192	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	158.3177	182.0070	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	1608.8524	1427.7847	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	167.4524	192.1847	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	176.9391	202.7383	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	1570.7658	1391.0377	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	1510.9938	1333.4811	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	199.5938	227.8811	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	1496.2770	1319.3347	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	204.8770	233.7347	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	20	1474.3765	1298.2968	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	1431.2012	1256.8809	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	1388.8663	1216.3581	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	247.4663	280.7581	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	1320.2057	1150.8194	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	278.8057	315.2194	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	1313.4705	1144.4026	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	1306.7620	1138.0108	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	1273.5699	1106.4361	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	302.1699	340.8361	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	1253.9452	1087.7936	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	326.7141	369.0087	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	1221.7196	1058.8887	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	330.3196	373.2887	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	1190.1002	1030.6854	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	348.7002	395.0854	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	1165.2423	1008.6132	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	10,000	1074.5236	924.5763	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.01 Call	10,000	1069.0929	919.5454	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	1026.5664	880.2307	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	1021.3638	875.4295	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	995.7259	851.8052	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	529.3100	593.2000	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	890.1676	755.0728	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	850.2655	718.7635	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	841.6473	710.9721	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,000	833.1185	703.2681	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	15.50 Put	500	691.7185	767.6681	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	828.8874	699.4455	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	795.8299	669.6600	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	787.7836	662.4242	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,580	752.5338	630.8730	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	741.1358	620.7173	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	899.4858	0.0000	0.0000	0.0000	2,000	0.00
Dec 2018	ZAUS	15.85 Call	20,300	697.3452	581.8244	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	676.4960	563.3805	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	646.4833	536.9147	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	611.7679	506.4342	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	602.6618	498.4640	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	584.9035	0.0000	0.0000	0.0000	2,000	0.00
Dec 2018	ZAUS	16.24 Call	750	573.3904	0.0000	0.0000	0.0000	750	0.00
Dec 2018	ZAUS	16.56 Call	13,650	490.2699	401.6072	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	437.4280	356.4597	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	398.6021	323.5418	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	3.9443	3.9848	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	17.3278	15.7064	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	21.4175	20.5728	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	21.6676	21.2972	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	35.6230	47.5589	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	37.1435	49.3680	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	43.7170	57.1226	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	55.1474	70.3952	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	10,000	69.8458	87.1701	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	84.3229	103.4570	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	99.2178	120.0255	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	138.2192	162.7718	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	142.2098	167.1053	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	152.5218	178.2751	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	161.1204	187.5600	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	176.9225	204.5623	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.90 Put	720	186.3918	214.7167	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	211.4802	241.5125	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	222.0878	0.0000	0.0000	0.0000	7,536	0.00
Mar 2019	ZAUS	14.28 Put	7,028	292.1745	326.0028	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	1839.5258	1661.4878	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	313.6971	349.4150	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	342.7822	380.9840	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	1717.5179	1544.4430	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,000	363.0577	402.9468	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	373.4617	414.2056	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	384.0397	425.6479	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	14,200	451.2570	498.1363	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	483.1802	532.4548	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10	487.2604	536.8355	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	491.3602	541.2319	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	1423.3586	1268.3561	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	97,232	616.3882	0.0000	0.0000	0.0000	97,232	0.00
Mar 2019	ZAUS	15.13 Put	7,100	621.3950	0.0000	0.0000	0.0000	7,100	0.00
Mar 2019	ZAUS	15.17 Call	720	1312.9093	1168.0209	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	651.8381	0.0000	0.0000	0.0000	41,300	0.00
Mar 2019	ZAUS	15.20 Put	2,500	656.9801	725.5063	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	720.2242	792.7899	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	1183.1402	1047.6275	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	1178.7775	1043.5973	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	1144.5440	1011.9848	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	1095.3243	966.5349	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	1037.2568	911.6064	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	1007.2624	883.7652	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	20,000	966.9284	847.0681	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	921.6199	805.9699	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	841.2432	733.4070	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	777.3325	676.2917	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	671.8214	582.2441	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	658.2853	570.2246	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	104,232	656.0630	568.2560	0.0000	0.0000	194,464	0.00
Mar 2019	ZAUS	17.10 Call	2,500	653.8504	566.2923	0.0000	0.0000	300	0.00
Mar 2019	ZAUS	17.23 Call	41,300	625.9655	0.0000	0.0000	0.0000	82,600	0.00
Mar 2019	ZAUS	17.50 Call	16,000	572.3758	491.5239	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	484.4777	413.8029	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	426.4184	0.0000	0.0000	0.0000	7,536	0.00
Jun 2019	ZAUS	10.69 Put	1,000	12.7887	15.6022	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	33.6140	32.4689	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	12.75 Put	1,000	36.5292	43.4024	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	49.9445	69.2472	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	84.1325	109.5622	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	212.2845	251.5789	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	6,250	226.6495	267.0439	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	1,000	2307.1695	2131.4147	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	2027.6179	1848.2298	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	1927.9876	1750.0217	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	1784.1203	1611.1667	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	1415.8942	1270.7180	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	6,250	1386.4999	1243.3418	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	1314.3507	1176.2976	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	1268.8977	1131.9667	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	17.7997	22.1812	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	60.0601	48.5255	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	300.0609	332.9395	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	387.0976	429.5754	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	606.5777	646.6084	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.55 Call	30,000	1696.4318	1539.0153	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1015.5051	0.0000	0.0000	0.0000	2,571	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	1564.7049	1415.4832	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	1117.3236	995.0729	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	967.8145	857.7208	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	950.5348	0.0000	0.0000	0.0000	5,142	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	843.9555	745.0362	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	59.1286	60.3641	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	278.4921	295.4368	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	1341.1054	1203.9736	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	842.8088	758.3115	0.0000	0.0000	0	0.00		
			<u>6,593,213</u>					<u>451,031.00</u>	<u>0.00</u>	<u>57 261 290.00</u>	<u>0.00</u>
		<b>Total</b>	<b>7,572,613</b>					<b>642,816.00</b>	<b>3,001,751,938.30</b>	<b>240 726 701.00</b>	<b>2 184 634 434 893.10</b>
<b>Grand Total</b>			<b>9,495,710</b>					<b>798,331.00</b>	<b>3 154 834 001.90</b>	<b>327,669,871</b>	<b>3,035,955,926,160.92</b>