



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 31-August-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Oct 2018	CC01	Future	25,000	600.3790	549.2172	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	17.0593	17.1352	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	298.0879	280.7040	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	31,200	345.9056	325.8535	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	944.6383	950.7474	0.0000	0.0000	0	0.00		
			<u>124,800</u>					<u>0.00</u>	<u>0.00</u>	<u>1 143 987.00</u>	<u>0.00</u>
		<b>Total</b>	<b>124,834</b>					<b>0.00</b>	<b>0.00</b>	<b>1 945 247.00</b>	<b>11 964 751 196.80</b>
<b>Future</b>											
Sep 2018	DAGB	Future	14	19.1206	19.1838	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	48	19.1807	19.2421	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>											
Aug 2018	DAUS	Future	0	14.7093	14.6908	0.0000	0.0000	3,354	49,332,693.20		
Sep 2018	DAUS	Future	197	14.6525	14.6908	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	300	14.6546	14.6921	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,569	14.6991	14.7333	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	14.7071	14.7412	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	14.7377	14.7706	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.7541	14.7863	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.7623	14.7941	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	3,847	14.7664	14.7980	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	14.7684	14.7999	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.7919	14.8225	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	420	14.7976	14.8280	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.8224	14.8520	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	7,449	14.8243	14.8539	0.0000	0.0000	2,000	29,759,200.00		
Dec 2018	DAUS	Future	2,387	14.8856	14.9135	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.8895	14.9174	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.9452	14.9716	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	14.9472	14.9735	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.9731	14.9987	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	15.0029	15.0277	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	15.0565	15.0801	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	15.0685	15.0918	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	15.1240	15.1461	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	15.1856	15.2063	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	15.2490	15.2728	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	15.3129	15.3402	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	15.3787	15.4097	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.4447	15.4764	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.5090	15.5410	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	15.5799	15.6122	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.6486	15.6812	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.7128	15.7457	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.7815	15.8148	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.8502	15.8838	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.9100	15.9439	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.9854	16.0196	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	16.1094	16.1442	0.0000	0.0000	0	0.00		
			<u>115,934</u>					<u>5,354.00</u>	<u>79,091,893.20</u>	<u>10 577 709.00</u>	<u>129 143 705 878.30</u>
<b>Option</b>											
Sep 2018	DAUS	13.43 Put	10,000	1.0291	1.4421	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.44 Put	15,000	1.0839	1.5040	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	12.90 Put	100	0.3604	0.6150	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.09 Put	600	0.5818	1.0476	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.32 Call	600	1337.9120	1375.6235	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.45 Call	100	1208.6649	1246.5435	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Call	100	863.9633	902.0193	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.90 Call	600	767.2423	805.0895	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	14.45 Call	20,000	301.4028	336.9504	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.30 Put	747	4.9485	5.3130	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	14.48 Put	40,000	222.3980	217.2635	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.00 Put	500	6.3511	6.8405	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	13.78 Call	500	962.9964	998.4821	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	46.1412	47.5323	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	144.3433	142.8784	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.54 Call	250	420.1761	449.0741	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	47.0000	54.0379	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	19.2552	22.6368	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	24.0520	24.3768	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	888.1800	918.4400	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	25.9714	25.9219	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	113.9935	111.8037	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	980.9897	1009.5798	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	248.8510	241.8387	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	539.6011	559.1406	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	122.2132	127.4589	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	78.3566	81.9536	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	7.5893	7.6527	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	136.7586	133.4368	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	104.1344	108.4925	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	2.5398	2.5590	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	6.8788	6.8770	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1628.0555	1658.7354	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	589.3429	606.3845	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	580.4728	597.3361	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	519.0312	533.8203	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	611.4312	595.8203	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	549.0999	564.3416	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	664.3431	681.5413	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	48.3942	47.6377	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	167.3242	161.2382	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	994.0975	1015.1178	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	315.3754	304.9287	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	603.7461	618.3755	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	178.3856	184.6449	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	123.0315	127.7553	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	145.8919	139.3472	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	198.7845	190.9598	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	546.3442	557.6233	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	373.2144	381.5132	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	81.5805	78.9655	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	92.6556	89.4724	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	753.1147	766.0916	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	712.5321	724.9907	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	13.00 Put	500	69.3925	66.0438	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	208.0298	198.4877	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	1014.9707	1030.5440	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	362.0709	349.4976	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	733.5058	715.7058	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	222.9019	227.4979	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	159.6427	163.6302	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	50.1896	47.9068	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	87.7220	83.3492	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	405.6948	390.5120	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	1031.8768	1042.1104	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	701.0228	707.2803	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	101.3691	95.4145	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	439.6452	423.1421	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	1050.8109	1056.1050	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	739.6520	742.9972	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	113.2917	107.0473	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	469.9906	453.7640	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	1067.0498	1070.5928	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	771.3727	773.0184	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	124.2907	120.4371	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1871.7550	1883.2105	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	498.8940	482.7063	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	1083.2473	1084.6895	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	801.1452	801.3036	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	133.1565	130.1067	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	526.4717	509.6196	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	1099.1201	1099.4642	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	828.8783	827.3049	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	139.2167	136.2737	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	548.3350	530.7443	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	1113.7390	1114.7461	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	851.2910	850.0590	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	258.8867	248.3228	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	741.0129	739.3853	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	146.1827	137.9490	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	571.4170	553.5759	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	1138.2001	1140.0106	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	882.7414	882.2191	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,950	683.1627	661.6553	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,950	858.4776	858.1888	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	150.1516	145.6435	0.0000	0.0000	0	0.00

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Aug 2019	DAUS	14.25 Put	250	590.9482	571.7371	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	1150.5716	1153.4910	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	903.6485	904.1833	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	149.7057	147.1399	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	611.4026	592.7880	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1182.1084	1185.4167	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	941.1872	941.6755	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	156.6700	142.9430	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	631.3569	612.6974	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1205.7734	1208.9195	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	972.0945	972.3108	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	179.0585	168.8616	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	647.7142	630.1845	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1233.2637	1236.0479	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	1004.0612	1003.7705	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	197.8261	189.6081	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	663.5532	646.5380	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1261.2040	1263.9853	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	1039.4313	1039.0782	0.0000	0.0000	0	0.00		
			<u>492,810</u>					0.00	0.00	20 038 067.00	0.00
		<b>Total</b>	<b>608,744</b>					<b>5,354.00</b>	<b>79,091,893.20</b>	30 615 776.00	129 143 705 878.30
<b>Option</b>											
Sep 2018	DAYJ	8.26 Call	25,000	18.2952	25.3711	0.0000	0.0000	0	0.00		
			<u>25,000</u>					0.00	0.00	50 000.00	0.00
		<b>Total</b>	<b>25,000</b>					<b>0.00</b>	<b>0.00</b>	50 000.00	0.00
<b>Future</b>											
Sep 2018	EUUS	Future	7,138	1.1647	1.1670	0.0000	0.0000	0	0.00		
			<u>7,138</u>					0.00	0.00	736 947.00	8 357 883 861.00
		<b>Total</b>	<b>7,138</b>					<b>0.00</b>	<b>0.00</b>	736 947.00	8 357 883 861.00
<b>Future</b>											
Sep 2018	GBUS	Future	25	1.3002	1.3015	0.0000	0.0000	0	0.00		
			<u>25</u>					0.00	0.00	167 364.00	2 153 117 002.00
		<b>Total</b>	<b>25</b>					<b>0.00</b>	<b>0.00</b>	167 364.00	2 153 117 002.00
<b>Future</b>											
Sep 2018	ZAAD	Future	12,197	10.6112	10.7155	10.6908	10.6908	2,530	26,964,564.00		
Dec 2018	ZAAD	Future	11,819	10.7414	10.8418	0.0000	0.0000	0	0.00		
Mar 2019	ZAAD	Future	515	10.8868	10.9842	0.0000	0.0000	0	0.00		

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Jun 2019	ZAAD	Future	4,929	11.0269	11.1237	0.0000	0.0000	0	0.00
			<u>29,460</u>					<u>2,530.00</u>	<u>26,964,564.00</u>
		<b>Total</b>	<b>29,460</b>					<b>2,530.00</b>	<b>26,964,564.00</b>
									3 694 011.00
									32 097 452 818.40
<b>Future</b>									
Dec 2018	ZACA	Future	595	11.4149	11.4908	0.0000	0.0000	0	0.00
			<u>595</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>595</b>					<b>0.00</b>	<b>0.00</b>
									137 638.00
									1 354 875 987.10
<b>Future</b>									
Sep 2018	ZADK	Future	245	2.3028	2.3124	0.0000	0.0000	0	0.00
Dec 2018	ZADK	Future	240	2.3489	2.3575	0.0000	0.0000	0	0.00
			<u>485</u>					<u>0.00</u>	<u>0.00</u>
		<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	97,892	17.0948	17.1679	17.3175	17.1094	8,315	143,021,836.20
Dec 2018	ZAEU	Future	38,781	17.4193	17.4876	0.0000	0.0000	1,000	17,432,500.00
Mar 2019	ZAEU	Future	4,720	17.7824	17.8455	0.0000	0.0000	0	0.00
Jun 2019	ZAEU	Future	5,256	18.1293	18.1908	0.0000	0.0000	0	0.00
			<u>146,649</u>					<u>9,315.00</u>	<u>160,454,336.20</u>
									15 243 490.00
									218 077 007 266.70
<b>Option</b>									
Sep 2018	ZAEU	13.50 Put	29,734	0.0472	0.0545	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	14.25 Put	57,090	0.2937	0.3254	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	15.85 Put	86,824	14.3472	13.8018	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	16.76 Call	29,734	482.4881	531.9626	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	19.56 Call	86,824	6.5588	7.2039	0.0000	0.0000	0	0.00
Mar 2019	ZAEU	16.00 Call	650	1998.7863	2047.2812	0.0000	0.0000	0	0.00
			<u>290,856</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>437,505</b>					<b>9,315.00</b>	<b>160,454,336.20</b>
									23 268 502.00
									218 077 007 266.70
<b>Future</b>									
Sep 2018	ZAFR	Future	1,875	15.1879	15.1652	0.0000	0.0000	0	0.00
Dec 2018	ZAFR	Future	765	15.4904	15.4622	0.0000	0.0000	0	0.00
Jun 2019	ZAFR	Future	150	16.1576	16.1188	0.0000	0.0000	0	0.00
			<u>2,790</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>2,790</b>					<b>0.00</b>	<b>0.00</b>
									616 850.00
									6 610 548 121.80
<b>Future</b>									
Sep 2018	ZAGB	Future	196,171	19.0836	19.1468	19.2316	19.0401	8,434	160,895,593.50
Dec 2018	ZAGB	Future	248,680	19.3863	19.4439	19.5687	19.3716	839	16,279,474.80

<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>		
Mar 2019	ZAGB	Future	4,932	19.7229	19.7739	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,156	20.0403	20.0888	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	4,645	20.3909	20.4543	0.0000	0.0000	0	0.00		
			<u>460,584</u>					<u>9,273.00</u>	<u>177,175,068.30</u>	<u>12 233 790.00</u>	<u>206 563 542 454.70</u>
<b>Option</b>											
Mar 2019	ZAGB	18.00 Put	500	346.9671	328.6162	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	559.2255	567.7980	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>461,584</b>					<b>9,273.00</b>	<b>177,175,068.30</b>	<b>14 008 903.00</b>	<b>206 563 542 454.70</b>
<b>Future</b>											
Sep 2018	ZAJY	Future	6,894	0.1325	0.1322	0.0000	0.0000	0	0.00		
			<u>6,894</u>					<u>0.00</u>	<u>0.00</u>	<u>1 001 061.00</u>	<u>11 183 470 612.50</u>
<b>Total</b>			<b>6,894</b>					<b>0.00</b>	<b>0.00</b>	<b>1 001 061.00</b>	<b>11 183 470 612.50</b>
<b>Future</b>											
Sep 2018	ZAKS	Future	562	0.1456	0.1459	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,628	0.1447	0.1404	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	2.1983	2.1642	0.0000	0.0000	0	0.00		
			<u>5,270</u>					<u>0.00</u>	<u>0.00</u>	<u>341 969.00</u>	<u>1 134 767 971.00</u>
<b>Total</b>			<b>5,270</b>					<b>0.00</b>	<b>0.00</b>	<b>341 969.00</b>	<b>1 134 767 971.00</b>
<b>Future</b>											
Sep 2018	ZAUM	Future	340	14.6770	14.7114	0.0000	0.0000	0	0.00		
Dec 2018	ZAUM	Future	79	14.8517	14.8806	0.0000	0.0000	0	0.00		
Mar 2019	ZAUM	Future	5	15.0387	15.0626	0.0000	0.0000	0	0.00		
			<u>424</u>					<u>0.00</u>	<u>0.00</u>	<u>152 470.00</u>	<u>176 020 450 400.00</u>
<b>Total</b>			<b>424</b>					<b>0.00</b>	<b>0.00</b>	<b>156 993.00</b>	<b>176 020 450 400.00</b>
<b>Future</b>											
Sep 2018	ZAUS	Future	471,719	14.6770	14.7114	14.8176	14.6600	43,064	632,858,155.20		
Dec 2018	ZAUS	Future	279,030	14.8517	14.8806	14.9837	14.8489	8,396	125,479,747.20		
Mar 2019	ZAUS	Future	37,219	15.0387	15.0626	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	Future	19,410	15.2140	15.2358	15.2999	15.2999	405	6,204,349.50		
Sep 2019	ZAUS	Future	11,708	15.4093	15.4408	0.0000	0.0000	0	0.00		
			<u>819,086</u>					<u>51,865.00</u>	<u>764,542,251.90</u>	<u>182 680 465.00</u>	<u>2 172 326 701 886.90</u>
<b>Option</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	ZAUS	11.48 Put	5,200	0.0632	0.0593	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	0.0644	0.0615	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	0.0710	0.0738	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	0.0823	0.0974	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	0.1124	0.1320	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	0.1313	0.1536	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	0.1788	0.2077	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	2427.3838	2461.8374	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	0.3838	0.4374	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	0.4465	0.5069	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	0.5682	0.6410	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	2177.8136	2212.3093	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	44,000	0.8136	0.9093	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	1.0318	1.1461	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	1.1275	1.2495	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	1.2688	1.4016	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	1908.8037	1943.3739	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	1878.9685	1913.5492	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Put	500	1.9685	2.1492	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	2.2762	2.4753	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	1680.5053	1715.1674	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	70,000	3.5053	3.7674	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.10 Put	2,500	4.6588	4.9680	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	1483.1738	1517.9322	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,500	6.1738	6.5322	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	10,000	6.5291	6.8974	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	1434.0989	1468.8820	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	7.0989	7.4820	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	500	1384.8131	1419.5647	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	500	1188.5695	1223.0901	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	1091.1786	1125.4961	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	14.1786	14.0961	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	1042.7249	1076.9108	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	714.0620	746.3607	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	22,000	37.0620	34.9607	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	554.4419	584.3478	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.50 Call	500	358.7953	383.3461	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	259.6243	279.9582	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	159.1272	173.3466	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Put	50	482.1272	461.9466	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	29.4479	33.1311	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	25.9565	29.2978	0.0000	0.0000	0	0.00



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Sep 2018	ZAUS	16.14 Call	750	21.6890	24.5956	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	16.3890	18.5933	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	9.6271	9.8659	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	10.5820	10.8520	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	12.0559	12.3680	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	14.0529	14.3310	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	14.4869	14.7575	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	16.3486	16.5830	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	18.9820	19.1573	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	20.4394	20.5777	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	24.7175	24.7353	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2381.0729	2409.8416	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	29.3729	29.2416	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	35.3006	34.9597	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	37.8549	37.4180	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	41.7098	41.1238	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	54.7447	53.6206	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1910.2266	1937.8385	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	58.5266	57.2385	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	62.5384	61.0750	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	66.7930	65.1398	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1727.7818	1754.6085	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	78.0710	75.9064	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1682.8416	1709.4356	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	81.1416	78.8356	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	88.7212	86.0650	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	89.8543	87.1452	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1511.0207	1534.2345	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	109.3207	103.6345	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1470.4218	1493.3491	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	118.7218	112.7491	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	139.2388	132.6779	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	162.1308	154.9708	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	164.5541	157.3347	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	174.5018	167.0374	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1253.9264	1275.1802	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	184.8515	177.1453	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1239.2021	1260.3337	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	187.5021	179.7337	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	1132.0987	1152.3084	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,400	1097.7244	1117.6239	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	72,750	246.0244	237.0239	0.0000	0.0000	20,000	0.00

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Dec 2018	ZAUS	14.10 Put	1,867	279.3040	269.6858	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	286.8889	276.5446	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	1012.4249	1030.6166	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	298.4920	287.0433	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	302.4177	290.8794	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	970.1269	987.1955	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	318.4269	306.5955	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	334.9123	322.7880	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	940.8057	957.5101	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Put	700	339.1057	326.9101	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	895.4295	911.5652	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	373.7295	360.9652	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	884.3812	900.3755	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	382.6812	369.7755	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	868.0243	883.8097	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	836.0890	851.4658	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	805.1875	820.1615	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	11,000	453.4875	439.5615	0.0000	0.0000	10,000	0.00
Dec 2018	ZAUS	14.60 Call	84,900	755.9359	770.2601	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	504.2359	489.6601	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	751.1608	765.4225	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	746.4163	760.6156	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	723.0951	736.9836	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	541.3951	526.3836	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	709.4261	723.1300	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	687.1771	700.5777	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	665.5779	678.6823	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	613.8779	598.0823	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	648.7585	661.6363	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	10,100	586.9467	598.3990	0.0000	0.0000	10,000	0.00
Dec 2018	ZAUS	15.01 Call	10,000	583.2942	594.6893	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	554.9033	565.8546	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	551.4571	562.3539	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	534.5582	545.1871	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	866.4996	847.9679	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	466.4565	475.9930	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	441.3436	450.4752	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	435.9666	445.0106	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,500	430.6615	439.6188	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	428.0356	436.9500	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	407.6521	416.2321	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	402.7478	411.2260	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	ZAUS	15.70 Call	11,580	381.5956	389.6408	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	374.8259	382.7651	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	349.1035	356.6357	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	337.0155	344.3515	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	319.7886	326.8496	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	300.1283	306.8763	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	295.0199	301.6839	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	231.2638	237.4047	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	179.2869	184.4136	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	5.8459	5.6576	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	16.3074	16.8447	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	45.0095	44.8539	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	48.4212	48.0713	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	92.8446	89.5995	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	95.7281	92.2825	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	107.9141	103.6155	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	128.2273	122.4841	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	10,000	153.1306	145.6083	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	200.1121	189.2699	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	279.5698	265.7146	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	314.3205	299.7074	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	327.6008	312.7161	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	362.3057	346.7632	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	470.9859	453.7356	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	750	1218.0979	1224.6352	0.0000	0.0000	250	0.00
Mar 2019	ZAUS	14.35 Put	139,342	502.6092	484.9665	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	545.8660	527.7433	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	1124.3813	1129.9510	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,000	575.7209	557.2953	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	590.9465	572.3746	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	606.3744	587.6554	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	748.1112	728.2950	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	908.8518	912.4402	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	828.3962	831.3210	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	732.6612	734.8389	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	729.4762	731.6342	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	704.5859	706.5693	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	669.0521	670.8047	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	606.8858	608.3006	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	20,000	579.7905	581.1021	0.0000	0.0000	20,000	0.00
Mar 2019	ZAUS	16.13 Call	138,000	549.6577	550.8738	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	455.3280	456.3941	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	17.08 Call	7,028	374.8284	376.1908	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	17.09 Call	7,000	373.3462	374.7150	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	17.50 Call	16,000	318.4101	320.0714	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	20.3368	20.3763	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	37.9374	35.7710	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	93.3566	88.3409	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	134.5066	127.6059	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	193.7289	184.3708	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	376.6025	363.0686	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	6,250	393.9593	380.0976	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	1,000	1664.0953	1671.3762	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	1405.5038	1410.0613	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	1325.6156	1327.3597	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	1216.7039	1217.3960	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	940.3807	939.5190	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	6,250	917.5685	916.5480	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	861.8822	860.5082	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	827.0354	825.4528	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	28.1099	28.9646	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	60.7862	56.3653	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	487.6212	471.2312	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	584.8563	566.1599	0.0000	0.0000	2,700	0.00		
Sep 2019	ZAUS	15.55 Call	30,000	1187.1992	1190.6798	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	1080.3946	1082.7386	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	744.6665	744.2522	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	636.8342	636.0225	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	61.6660	56.7651	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	402.0150	383.4957	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	925.3597	924.3180	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	608.0471	599.0856	0.0000	0.0000	0	0.00		
			<u>5,002,271</u>					<u>62,950.00</u>	<u>0.00</u>	<u>55 461 045.00</u>	<u>0.00</u>
	<b>Total</b>		<b>5,821,357</b>					<b>114,815.00</b>	<b>764,542,251.90</b>	<b>238 141 510.00</b>	<b>2 172 326 701 886.90</b>
<b>Grand Total</b>			<b>7,559,357</b>					<b>141,287.00</b>	<b>1 208 228 113.60</b>	<b>324,588,074</b>	<b>3,021,355,892,131.32</b>