



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 27-September-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Oct 2018	CC01	Future	25,000	641.9947	627.7928	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>											
Oct 2018	DAEU	Future	34	16.4677	16.7335	0.0000	0.0000	0	0.00		
			<u>34</u>					<u>0.00</u>	<u>0.00</u>	<u>801 328.00</u>	<u>11 965 949 271.80</u>
<b>Option</b>											
Aug 2019	DAEU	16.03 Put	31,200	364.8547	324.1712	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	20,000	434.3198	386.5428	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	31,200	767.6682	682.1108	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	561.4072	660.4212	0.0000	0.0000	0	0.00		
			<u>144,800</u>					<u>0.00</u>	<u>0.00</u>	<u>1 308 187.00</u>	<u>0.00</u>
		<b>Total</b>	<b>144,834</b>					<b>0.00</b>	<b>0.00</b>	<b>2 109 515.00</b>	<b>11 965 949 271.80</b>
<b>Future</b>											
Sep 2018	DAGB	Future	14	18.4561	18.7263	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	48	18.4904	18.7772	0.0000	0.0000	0	0.00		
			<u>62</u>					<u>0.00</u>	<u>0.00</u>	<u>53 831.00</u>	<u>883 358 081.80</u>
		<b>Total</b>	<b>62</b>					<b>0.00</b>	<b>0.00</b>	<b>261 144.00</b>	<b>883 358 081.80</b>
<b>Future</b>											
Sep 2018	DAUS	Future	2,785	14.0589	14.1975	0.0000	0.0000	219	3,106,953.00		
Oct 2018	DAUS	Future	55	14.0546	14.2034	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	189	14.0565	14.2053	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	4,041	14.0790	14.2278	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	14.0827	14.2315	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.0973	14.2463	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.1047	14.2537	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,500	14.1065	14.2556	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	4,099	14.1083	14.2574	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	14.1102	14.2593	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	14.1325	14.2817	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	24	14.1362	14.2855	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	120	14.1380	14.2874	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	179	14.1492	14.2130	0.0000	0.0000	179	2,544,127.00
Nov 2018	DAUS	Future	461	14.1622	14.3117	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	5,724	14.1640	14.3135	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	3,672	14.1865	14.3363	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	4,014	14.2222	14.3724	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.2259	14.3761	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.2771	14.4279	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,420	14.2790	14.4297	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	14.3027	14.4538	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	5,787	14.3302	14.4815	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,731	14.3795	14.5314	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,029	14.3832	14.5351	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.3905	14.5425	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	14.4416	14.5940	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	14.4982	14.6511	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.5548	14.7082	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.6125	14.7659	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.6721	14.8256	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.7281	14.8818	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.7857	14.9407	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.8492	15.0056	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.9108	15.0685	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.9684	15.1273	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.0300	15.1902	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.0915	15.2531	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.1452	15.3079	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.2127	15.3769	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.3239	15.4905	0.0000	0.0000	0	0.00
			<u>129,715</u>					<u>398.00</u>	<u>5,651,080.00</u>
									<u>10 706 011.00</u>
									<u>131 030 668 060.00</u>
<b>Option</b>									
Sep 2018	DAUS	13.00 Put	500	0.0000	0.0827	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	282.2420	422.6916	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	4.0787	6.0054	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	201.9334	114.6636	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.54 Call	250	1.5134	14.0229	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	0.0151	0.0408	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	0.0157	0.0304	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	14.88 Put	314	833.5957	710.0988	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.96 Call	314	26.5508	48.7285	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	16.4244	14.8429	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	291.7877	392.5312	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	16.9147	12.5533	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	152.7585	117.1211	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	383.9577	488.5785	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.97 Put	600	223.8784	176.5685	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	380.7640	308.5473	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.45 Call	600	177.5806	239.7776	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	127.7365	176.0207	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.82 Put	114	813.6777	704.9996	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.90 Call	600	90.0422	127.1919	0.0000	0.0000	0	0.00
Oct 2018	DAUS	15.01 Call	114	75.8923	108.5069	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	5.7126	10.0296	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	2.3927	3.6490	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.85 Put	0	844.3302	735.7702	0.0000	0.0000	1,100	0.00
Nov 2018	DAUS	15.50 Call	0	40.9937	59.3620	0.0000	0.0000	1,100	0.00
Nov 2018	DAUS	11.90 Put	1,880	1.6524	1.4010	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	192.2205	151.3971	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	4.4392	7.7273	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.5580	0.4764	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	2.8282	2.7969	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	969.9971	1106.4668	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	10,000	293.0729	241.6326	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	185.1357	238.6543	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	180.8634	233.4207	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	151.7093	197.7092	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	903.7093	800.3092	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	170.0643	219.0922	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	235.6926	296.6749	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.31 Call	10,000	111.5278	145.6281	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	38.4044	29.3246	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	239.6871	198.1319	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	455.0260	549.0608	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	468.4697	402.1417	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	214.9433	269.2526	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	31.9218	44.3025	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	16.5201	24.1166	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1404.0336	1288.5631	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	296.1734	249.4033	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	512.4219	443.2245	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	14.90 Put	30,000	943.3285	846.0122	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	1274.3202	1163.5017	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	203.4707	167.6620	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	288.0977	242.6312	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	198.9611	246.4898	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	115.2378	146.0320	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	324.7948	277.2725	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	540.2083	472.8715	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	962.5852	868.5050	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	1287.2545	1179.7863	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	97.5472	80.2225	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	119.0233	98.5817	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	327.8084	393.5459	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	303.6642	365.6784	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	72.3954	59.5426	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	297.6985	254.5618	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	510.9359	599.7798	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	526.5576	463.4015	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	1020.0463	925.9890	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	63.6592	79.7403	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	40.7192	53.0009	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	52.1361	46.9315	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	102.2151	87.7549	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	574.8765	515.1002	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	552.0348	637.3414	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	332.7555	390.6079	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	127.6324	114.3038	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	611.0105	553.7912	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	585.7965	669.8068	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	374.7406	434.0370	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	50,000	506.3813	460.1351	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	152.8716	139.4373	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	643.5484	589.1562	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	615.9283	699.3688	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	410.8349	471.2723	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	177.7558	162.3597	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1273.8775	1399.0179	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	675.5501	623.0143	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	646.3283	728.4139	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	447.9269	508.7115	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	201.3354	183.2348	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	703.7695	652.8344	0.0000	0.0000	0	0.00

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May 2019	DAUS	15.01 Call	500	673.0371	754.0992	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.79 Call	250	480.3080	541.6244	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	14.72 Put	20,000	1004.3014	941.3620	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	17.22 Call	20,000	298.9915	339.0747	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	219.9596	198.2220	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	14.25 Put	250	727.2196	676.5226	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	694.3412	773.5523	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.96 Call	250	506.4590	567.3021	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	363.2033	337.2919	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	428.1516	482.3538	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	238.0435	213.4020	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	751.0441	702.3454	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	723.0169	802.3870	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	538.3304	600.8763	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	891.7658	838.2661	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	523.4393	584.8183	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	253.2555	226.9498	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	770.8095	724.1089	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	742.0174	820.1058	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	560.6528	624.2809	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	285.3093	314.9915	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	263.9307	232.0404	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	788.6441	743.5351	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	767.0906	845.4406	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	587.6283	652.2450	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	270.3644	252.0144	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	807.2426	765.9032	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	791.2448	871.5196	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	615.7595	682.1462	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	284.3223	268.5029	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	823.2277	784.6622	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	817.2556	899.4874	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	643.7266	712.1714	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	296.0727	285.1940	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	838.4829	804.0540	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	843.0346	927.4287	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	673.7555	744.8250	0.0000	0.0000	0	0.00		
			<u>820,619</u>					<u>2,200.00</u>	<u>0.00</u>	<u>20 833 926.00</u>	<u>0.00</u>
	<b>Total</b>		<b>950,334</b>					<b>2,598.00</b>	<b>5,651,080.00</b>	<b>31 539 937.00</b>	<b>131 030 668 060.00</b>

**Future**

Dec 2018	EUUS	Future	40	1.1756	1.1820	0.0000	0.0000	0	0.00
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<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>	
			40					0.00	0.00	744 445.00	8 445 126 755.00
		<b>Total</b>	<b>40</b>					<b>0.00</b>	<b>0.00</b>	744 445.00	8 445 126 755.00
<b>Future</b>											
	Dec 2018	GBUS	Future	500	1.3171	1.3235	0.0000	0.0000	0	0.00	
				500					0.00	0.00	168 921.00
		<b>Total</b>	<b>500</b>					<b>0.00</b>	<b>0.00</b>	168 921.00	2 173 503 224.00
<b>Future</b>											
	Dec 2018	ZAAD	Future	36,596	10.2558	10.4155	10.2984	10.2600	156	1,601,328.00	
	Mar 2019	ZAAD	Future	520	10.3937	10.5549	0.0000	0.0000	0	0.00	
	Jun 2019	ZAAD	Future	4,929	10.5259	10.6890	0.0000	0.0000	0	0.00	
				42,045					156.00	1,601,328.00	3 738 841.00
		<b>Total</b>	<b>42,045</b>					<b>156.00</b>	<b>1,601,328.00</b>	3 771 218.00	32 581 104 497.80
<b>Future</b>											
	Dec 2018	ZACA	Future	600	10.8768	11.0729	0.0000	0.0000	0	0.00	
				600					0.00	0.00	137 653.00
		<b>Total</b>	<b>600</b>					<b>0.00</b>	<b>0.00</b>	137 653.00	1 355 055 071.60
<b>Future</b>											
	Dec 2018	ZADK	Future	240	2.2532	2.2907	0.0000	0.0000	0	0.00	
				240					0.00	0.00	12 335.00
		<b>Total</b>	<b>240</b>					<b>0.00</b>	<b>0.00</b>	12 335.00	265 809 909.00
<b>Future</b>											
	Dec 2018	ZAEU	Future	110,273	16.6819	16.9493	16.8976	16.6700	2,856	48,019,749.40	
	Mar 2019	ZAEU	Future	36,651	17.0282	17.3030	0.0000	0.0000	0	0.00	
	Jun 2019	ZAEU	Future	5,256	17.3567	17.6356	0.0000	0.0000	0	0.00	
	Sep 2019	ZAEU	Future	6,834	17.7210	18.0040	0.0000	0.0000	0	0.00	
				159,014					2,856.00	48,019,749.40	15 565 200.00
		<b>Total</b>	<b>159,014</b>								223 754 017 970.20
<b>Option</b>											
	Mar 2019	ZAEU	15.60 Put	462	175.3556	144.1588	0.0000	0.0000	0	0.00	
	Mar 2019	ZAEU	16.00 Call	650	1313.5066	1540.6009	0.0000	0.0000	0	0.00	
	Mar 2019	ZAEU	17.33 Put	462	957.0292	826.7930	0.0000	0.0000	0	0.00	
	Mar 2019	ZAEU	19.65 Call	462	210.3428	266.0377	0.0000	0.0000	0	0.00	
				2,036					0.00	0.00	10 794 564.00
		<b>Total</b>	<b>161,050</b>					<b>2,856.00</b>	<b>48,019,749.40</b>	26 359 764.00	223 754 017 970.20
<b>Future</b>											
	Dec 2018	ZAFR	Future	1,648	14.6494	14.9167	0.0000	0.0000	0	0.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Jun 2019	ZAFR	Future	150	15.2712	15.5531	0.0000	0.0000	0	0.00		
			<u>1,798</u>					<i>0.00</i>	<i>0.00</i>	<i>620 476.00</i>	<i>6 666 400 751.60</i>
		<b>Total</b>	<b>1,798</b>					<b>0.00</b>	<b>0.00</b>	<b>620 476.00</b>	<b>6 666 400 751.60</b>
<b>Future</b>											
Dec 2018	ZAGB	Future	441,049	18.6903	18.9788	18.6800	18.6800	10,789	203,671,727.60		
Mar 2019	ZAGB	Future	5,144	19.0110	19.3065	19.1148	19.1063	1,000	19,110,550.00		
Jun 2019	ZAGB	Future	5,856	19.3099	19.6107	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	10,363	19.6386	19.9436	0.0000	0.0000	0	0.00		
			<u>462,412</u>					<i>11,789.00</i>	<i>222,782,277.60</i>	<i>12 795 567.00</i>	<i>217 642 713 450.60</i>
<b>Option</b>											
Mar 2019	ZAGB	18.00 Put	500	421.5910	359.0555	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.00 Call	500	528.7093	651.8546	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	254.8811	324.1433	0.0000	0.0000	0	0.00		
			<u>1,500</u>					<i>0.00</i>	<i>0.00</i>	<i>1 775 613.00</i>	<i>0.00</i>
		<b>Total</b>	<b>463,912</b>					<b>11,789.00</b>	<b>222,782,277.60</b>	<b>14 571 180.00</b>	<b>217 642 713 450.60</b>
<b>Future</b>											
Dec 2018	ZAJY	Future	6,905	0.1260	0.1276	0.0000	0.0000	0	0.00		
			<u>6,905</u>					<i>0.00</i>	<i>0.00</i>	<i>1 021 902.00</i>	<i>11 470 576 312.50</i>
		<b>Total</b>	<b>6,905</b>					<b>0.00</b>	<b>0.00</b>	<b>1 021 902.00</b>	<b>11 470 576 312.50</b>
<b>Future</b>											
Jun 2019	ZAKS	Future	2,166	0.1371	0.1386	0.0000	0.0000	0	0.00		
			<u>2,166</u>					<i>0.00</i>	<i>0.00</i>	<i>38 066.00</i>	<i>515 662 000.00</i>
		<b>Total</b>	<b>2,166</b>					<b>0.00</b>	<b>0.00</b>	<b>38 066.00</b>	<b>515 662 000.00</b>
<b>Future</b>											
Dec 2018	ZATR	Future	12,000	2.2581	2.2397	0.0000	0.0000	0	0.00		
			<u>12,000</u>					<i>0.00</i>	<i>0.00</i>	<i>383 239.00</i>	<i>1 228 466 169.00</i>
		<b>Total</b>	<b>12,000</b>					<b>0.00</b>	<b>0.00</b>	<b>383 239.00</b>	<b>1 228 466 169.00</b>
<b>Future</b>											
Dec 2018	ZAUM	Future	334	14.1902	14.3401	0.0000	0.0000	0	0.00		
Mar 2019	ZAUM	Future	10	14.3631	14.5148	0.0000	0.0000	0	0.00		
			<u>344</u>					<i>0.00</i>	<i>0.00</i>	<i>152 983.00</i>	<i>176 802 740 960.00</i>
		<b>Total</b>	<b>344</b>					<b>0.00</b>	<b>0.00</b>	<b>157 506.00</b>	<b>176 802 740 960.00</b>
<b>Future</b>											
Dec 2018	ZAUS	Future	815,796	14.1902	14.3401	14.3329	14.1575	80,998	1,157,886,645.90		
Mar 2019	ZAUS	Future	38,779	14.3631	14.5148	14.4883	14.3912	53	763,024.90		

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Jun 2019	ZAUS	Future	19,430	14.5238	14.6768	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	Future	19,892	14.6982	14.8517	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	3,966	15.0578	15.2186	0.0000	0.0000	0	0.00		
			<u>897,863</u>					<u>81,051.00</u>	<u>1,158,649,670.80</u>	<u>187 044 417.00</u>	<u>2 238 523 643 291.20</u>

Option

Dec 2018	ZAUS	11.64 Put	2,764	7.5222	6.5887	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	8.5970	7.5673	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	10.3333	9.1516	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	11.6966	10.3970	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	11.9918	10.6668	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	13.2551	11.8215	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	15.0396	13.4527	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	16.0281	14.3553	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	18.9431	17.0160	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	1712.3505	1860.0382	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	22.1505	19.9382	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	26.3080	23.7153	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	28.1284	25.3649	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	30.9115	27.8821	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	49.1446	39.0318	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	1245.8385	1384.4867	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	55.6385	44.3867	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	62.7577	50.2866	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	70.5359	56.7633	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1078.3956	1211.6710	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	92.0798	74.8468	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1038.3350	1170.0621	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	98.1350	79.9621	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	113.3634	92.8871	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	115.6672	94.8482	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	886.1141	1010.8559	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	145.9141	120.7559	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	850.1790	972.9862	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	159.9790	132.8862	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	192.6138	159.6153	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	221.4954	184.0517	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	229.1024	190.7695	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	248.8027	208.2221	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	671.2874	779.2461	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	265.2606	222.8629	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	659.6724	766.7152	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	500	269.4724	226.6152	0.0000	0.0000	0	0.00



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Dec 2018	ZAUS	13.90 Put	35,000	313.7001	266.2380	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	577.4464	677.5610	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,200	551.9337	649.7184	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	361.7337	309.6184	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	413.4784	356.7038	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	424.2646	366.5586	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	489.9114	581.6401	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	440.7090	381.6109	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	446.2620	386.6998	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	459.0204	547.5081	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	468.8204	407.4081	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	492.7099	428.6811	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	438.9693	524.1863	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	529.5568	461.6271	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	408.6239	488.6578	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	548.4239	478.5578	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	401.3634	480.1117	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	561.1634	490.0117	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	587.0176	513.9130	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	383.7580	460.0691	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	370.2257	444.6167	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	1,200	350.8163	422.3786	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	660.6163	582.2786	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	667.4815	588.6819	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	320.7224	387.7278	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	730.5224	647.6278	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	317.8634	384.4216	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	315.0281	381.1436	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	301.2397	365.1733	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	781.0397	695.0733	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	293.2691	355.9189	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	832.7811	743.8492	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	280.4704	341.0210	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	840.2704	750.9210	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	268.2543	326.7623	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	878.0543	786.6623	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	258.8892	315.8004	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	256.6015	313.1195	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	955.2836	859.9693	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	224.5858	275.6563	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	20,700	1034.3858	935.5563	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	222.6031	273.3355	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.09 Call	500	207.4044	255.3896	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	205.5849	253.2249	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	196.7442	242.6857	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	1198.1151	1092.5164	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	1240.0830	1132.8930	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	1282.4278	1173.6990	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	162.5103	201.6156	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	150.4625	187.0567	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	147.9243	183.9809	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	145.4345	180.9611	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1455.2345	1340.8611	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	144.2074	179.4729	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	134.8039	168.0416	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	133.6784	166.6716	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	132.4721	165.3122	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	122.1216	153.6356	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	118.8659	149.9531	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1757.5018	1636.8359	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	106.7443	135.7633	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	101.1895	128.9449	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	93.4371	119.3966	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	84.8295	108.7513	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	82.6363	106.0297	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	78.4350	100.8084	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	75.7656	97.4842	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	57.7165	74.8596	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	47.3540	61.7383	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	40.3283	52.7808	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	5.1328	4.6001	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	22.8150	18.4239	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	69.0594	61.7492	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	73.0062	65.5359	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	122.2431	113.1960	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	126.1666	116.2277	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	142.8618	128.9946	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	154.0410	137.5095	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	170.6796	152.6186	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	178.1716	159.4323	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	204.7326	183.6368	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	236.8373	212.9866	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	268.7108	242.2139	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	282.1849	0.0000	0.0000	0.0000	50	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>
Mar 2019	ZAUS	13.55 Put	10,000	299.6138	270.6338	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	3,000	317.6976	0.0000	0.0000	0.0000	3,000	0.00
Mar 2019	ZAUS	13.68 Put	14,200	348.8552	315.2726	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	357.2672	322.5220	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	365.7916	329.8695	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	378.7916	341.0849	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	396.5101	356.3901	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	428.5848	385.9129	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	447.5166	403.5322	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	496.7250	449.4593	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	517.1531	468.5721	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	648.2932	591.8547	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	722.9627	817.5775	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	689.2058	630.5071	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	743.8781	681.9094	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	651.8670	740.1548	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	644.4466	732.0157	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	781.3466	717.2157	0.0000	0.0000	50	0.00
Mar 2019	ZAUS	14.53 Put	108	800.3785	735.2232	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	819.6052	753.4347	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	878.4225	809.2361	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	938.8936	866.7494	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	993.9751	919.2554	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	1000.9484	925.9071	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1007.9364	932.5783	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	496.3188	568.9192	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	1151.4699	1069.9501	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1211.0757	1126.9011	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1218.6050	1134.0960	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	441.9699	507.8452	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1264.0977	1177.6163	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1271.7305	1184.9261	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1364.4898	1274.1027	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	380.3324	438.1110	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	378.3289	435.8394	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	370.4342	426.9012	0.0000	0.0000	50	0.00
Mar 2019	ZAUS	15.54 Call	721	362.7412	418.1746	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	340.7957	393.2398	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	315.4585	364.5334	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	301.8151	350.2617	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	12,500	284.1275	331.0457	0.0000	0.0000	2,500	0.00
Mar 2019	ZAUS	16.13 Call	138,000	264.7210	308.9481	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	16.30 Call	10,000	241.5973	282.5253	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	231.5296	270.9889	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	208.4363	244.4506	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	206.2813	241.9665	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	171.6716	201.9546	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	170.8142	200.9618	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	166.6092	196.0773	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	161.7257	190.4044	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	160.9308	189.4795	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	160.1384	188.5575	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	150.8324	177.0691	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	147.1062	171.2366	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	137.2927	157.7477	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	117.2977	134.3450	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	104.9556	119.8545	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	12.0570	11.7991	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	75.2081	60.2629	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	152.8518	133.3239	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	205.9596	184.8233	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	211.0895	189.8338	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	278.7694	256.8257	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	498.8534	462.8590	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	6,250	522.6351	483.6918	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1115.7004	1224.6966	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	918.1339	1014.6710	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	855.4102	948.0241	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	942.8281	881.3845	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	769.2592	856.0918	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	563.0240	630.9188	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	6,250	547.0768	613.3636	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	508.5831	570.8784	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	484.8132	544.5689	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	469.1627	527.8700	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	234.3174	259.3816	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	19.0962	18.2049	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	122.1970	99.6999	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	604.4081	571.6857	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	632.5393	597.9719	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	693.8612	652.5053	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.14 Put	141,127	720.2292	677.3293	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	757.9319	713.3343	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	824.6576	777.1548	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	14.72 Put	1,200	1058.5263	1001.9395	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1499.1929	1428.9954	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.55 Call	30,000	770.4307	849.7216	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1629.5843	1555.1315	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	691.2008	763.6795	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	444.7123	496.0691	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	393.4349	439.4331	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	374.9471	415.0178	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	368.4244	407.7128	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.29 Call	81,930	341.7257	377.7464	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	329.8447	364.3765	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.63 Call	33,715	320.0179	353.3063	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.67 Call	141,127	317.6639	350.6500	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	270.1232	311.7146	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	43.5499	61.0576	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	550.1665	525.0108	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	587.5919	650.3390	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	331.8964	380.0633	0.0000	0.0000	0	0.00
			<u>7,837,592</u>					<u>5,650.00</u>	<u>0.00</u>
		<b>Total</b>	<b>8,735,455</b>					<b>86,701.00</b>	<b>1,158,649,670.80</b>
									<b>247 199 978.00</b>
									<b>2 238 523 643 291.20</b>
		<b>Grand Total</b>	<b>10,547,285</b>					<b>104,100.00</b>	<b>1 436 704 105.80</b>
									<b>337,503,208</b>
									<b>3,107,834,031,271.92</b>