



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 09-November-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
Nov 2018	DAEU	Future	37	16.2489	16.0737	0.0000	0.0000	0	0.00
			<u>37</u>					<u>0.00</u>	<u>0.00</u>
									<u>801 399.00</u>
									<u>11 967 156 360.40</u>
<b>Option</b>									
Aug 2019	DAEU	17.01 Put	31,200	926.3996	1014.0441	0.0000	0.0000	0	0.00
Aug 2019	DAEU	19.65 Call	62,400	417.0160	374.0818	0.0000	0.0000	0	0.00
			<u>93,600</u>					<u>0.00</u>	<u>0.00</u>
									<u>1 390 587.00</u>
									<u>0.00</u>
		<b>Total</b>	<b>93,637</b>					<b>0.00</b>	<b>0.00</b>
									<b>2 191 986.00</b>
									<b>11 967 156 360.40</b>
<b>Future</b>									
Nov 2018	DAGB	Future	13	18.6618	18.4006	0.0000	0.0000	0	0.00
Jan 2019	DAGB	Future	22	18.8749	18.7900	0.0000	0.0000	22	413,380.00
			<u>35</u>					<u>22.00</u>	<u>413,380.00</u>
									<u>53 976.00</u>
									<u>889 480 988.60</u>
		<b>Total</b>	<b>35</b>					<b>22.00</b>	<b>413,380.00</b>
									<b>261 289.00</b>
									<b>889 480 988.60</b>
<b>Future</b>									
Nov 2018	DAUS	Future	0	14.2793	14.0135	0.0000	0.0000	20,000	285,586,000.00
Nov 2018	DAUS	Future	70	14.2793	14.0135	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	24	14.2809	14.0107	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	308	14.2826	14.0124	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	179	14.2931	14.0225	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	368	14.3036	14.0329	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	461	14.3054	14.0346	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	2,727	14.3072	14.0364	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	500	14.3195	14.0485	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	3,672	14.3283	14.0572	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	3,420	14.3627	14.0900	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.3664	14.0934	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	150	14.3899	14.1159	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.4162	14.1422	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	2,093	14.4180	14.1439	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>
Feb 2019	DAUS	Future	70	14.4408	14.1667	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	5,841	14.4677	14.1930	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,731	14.5162	14.2405	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,029	14.5198	14.2440	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.5270	14.2510	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	14.5773	14.3003	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	14.6328	14.3544	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.6881	14.4084	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.7435	14.4623	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.8012	14.5185	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.8556	14.5715	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.9082	14.6226	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.9689	14.6824	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.0296	14.7426	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.0864	14.7989	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.1472	14.8591	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.2079	14.9193	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.2609	14.9717	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.3275	15.0377	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.4372	15.1464	0.0000	0.0000	0	0.00
			<u>113,803</u>					<u>20,000.00</u>	<u>285,586,000.00</u>
									<u>10 812 208.00</u>
									<u>132 557 120 986.10</u>
<b>Option</b>									
Nov 2018	DAUS	14.34 Put	171	160.8503	364.6445	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.50 Call	171	54.5503	16.5448	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.0114	0.0000	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	0.0237	0.0354	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1063.6313	797.3287	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.32 Call	15,000	125.6958	46.2303	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	25.2696	7.7043	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	23.0624	7.2196	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.78 Call	30,000	19.1563	6.3530	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	11.2911	4.5358	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	618.6911	882.1358	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.67 Put	20,000	16.9489	61.6422	0.0000	0.0000	20,000	0.00
Nov 2018	DAUS	14.00 Put	20,000	78.1158	0.0000	0.0000	0.0000	20,000	0.00
Nov 2018	DAUS	14.76 Call	4,000	89.7692	45.2472	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	6.4566	11.6461	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	59.0923	132.3345	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	70.2532	151.6596	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	368.1785	219.5987	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	215.4485	371.1914	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	248.2192	142.5085	0.0000	0.0000	0	0.00

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Nov 2018	DAUS	14.80 Call	600	94.2797	49.1331	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	90.5211	46.8645	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	1.7506	0.9625	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	0.8607	0.8547	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1168.9185	1422.7570	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	65,000	67.9767	138.7790	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	105.4714	198.2408	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	267.3925	428.4810	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	686.2467	911.4457	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	1032.5087	1279.8491	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	125	71.5764	143.3541	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.07 Call	125	417.1699	265.9756	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.50 Call	125	212.7142	128.2402	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	60.8660	122.6055	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	110.0964	198.9767	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	93.9287	54.3318	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	34.4988	17.9509	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	148.9046	245.2583	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	318.1805	471.1430	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	720.2244	932.0288	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	1050.9755	1286.2026	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	24.5958	49.7183	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	33.2253	64.6032	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	230.1000	150.0174	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	204.3606	132.1415	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	15.3237	34.9200	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	142.4441	229.1202	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	448.7809	313.9331	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	320.7375	462.7441	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	785.3572	994.4421	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	15.4825	8.4796	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	7.2119	4.6682	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.64 Put	250	113.1586	184.5314	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.12 Call	250	532.9440	382.0992	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.65 Call	250	299.9292	208.0034	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	18.6808	25.8211	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.88 Call	4,000	319.0863	231.4648	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	44.5226	74.2996	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	372.4913	500.2191	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	397.0516	530.2405	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	502.9413	375.9637	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	258.2058	185.6867	0.0000	0.0000	0	0.00

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Jan 2019	DAUS	15.47 Call	250	190.9241	135.4675	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	69.4054	106.6249	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	426.8571	552.3816	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	451.7442	581.7956	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	547.5278	425.5986	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	314.1563	237.9824	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	242.0091	181.2955	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	376.8958	489.0157	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	95.9102	137.9717	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	473.9087	599.7936	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	499.0069	628.2292	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	586.7833	469.3752	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	361.2111	283.8805	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	289.3334	224.8202	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.04 Call	4,000	543.5107	440.8515	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	122.6891	169.0068	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1323.3954	1122.0603	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	515.6025	641.3879	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	540.7726	669.5857	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	620.4433	507.0045	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	402.9995	325.6839	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	333.9696	266.1927	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	145.7708	195.6957	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	553.1482	676.9723	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	578.4528	705.1101	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	652.0174	539.9398	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	441.9718	363.1679	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	371.7417	301.0910	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	864.8754	1013.5833	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	256.9355	207.7296	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	163.4827	217.8901	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	583.6896	705.1271	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	609.0934	733.2402	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	677.1876	566.1884	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	473.6094	392.1218	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	403.6006	331.0389	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	287.9138	361.5409	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	392.6600	322.3947	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	181.3155	242.3411	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	615.6077	734.2868	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	641.0700	762.3348	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	710.0015	599.3082	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	16.14 Call	250	511.3360	426.8715	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.50 Call	250	441.7563	366.6877	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,147	776.5048	907.4829	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,147	497.3142	415.5751	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	196.8735	261.6879	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	642.6183	758.7686	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	668.0906	786.7227	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	731.5083	621.9094	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	538.6672	452.6040	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	468.4927	392.6023	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	247.6734	206.0069	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	213.9848	277.6954	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	666.4994	780.5065	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	691.9560	808.3177	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	759.2033	649.2436	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	568.6697	481.4246	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	496.5952	419.5712	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	229.2357	294.4746	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	689.6185	801.4698	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	715.0567	829.1686	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	779.1584	669.5756	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	592.5781	505.2868	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	522.8708	445.2849	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	245.3385	306.8404	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	710.7482	820.6195	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	736.1812	848.2418	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	805.1135	696.3790	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	620.8107	533.1825	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	552.6250	473.8556	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	262.7356	323.9968	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	733.6638	840.7768	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	757.8584	868.3203	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	833.2800	725.7838	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	653.3453	566.1993	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	586.4048	507.7269	0.0000	0.0000	0	0.00		
			<u>936,324</u>					<u>40,000.00</u>	<u>0.00</u>	<u>21 833 541.00</u>	<u>0.00</u>
		<b>Total</b>	<b>1,050,127</b>					<b>60,000.00</b>	<b>285,586,000.00</b>	<b>32 645 749.00</b>	<b>132 557 120 986.10</b>
<b>Future</b>											
Dec 2018	EUUS	Future	50	1.1370	1.1465	0.0000	0.0000	0	0.00		
			<u>50</u>					<u>0.00</u>	<u>0.00</u>	<u>744 705.00</u>	<u>8 448 109 050.00</u>

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<b>Total</b>			<b>50</b>					<b>0.00</b>	<b>0.00</b>	744 705.00	8 448 109 050.00	
<b>Future</b>												
	Dec 2018	GBUS	Future	0	1.3052	1.3118	1.3049	1.3032	150	1,956,401.00		
				0					150.00	1,956,401.00	169 951.00	2 186 951 505.00
	<b>Total</b>		<b>0</b>						<b>150.00</b>	<b>1,956,401.00</b>	169 951.00	2 186 951 505.00
<b>Future</b>												
	Dec 2018	ZAAD	Future	23,928	10.3798	10.2587	10.3992	10.3650	54	559,778.40		
	Mar 2019	ZAAD	Future	420	10.5163	10.3927	0.0000	0.0000	0	0.00		
	Jun 2019	ZAAD	Future	4,932	10.6481	10.5233	0.0000	0.0000	0	0.00		
				29,280					54.00	559,778.40	3 765 449.00	32 857 614 335.60
	<b>Total</b>		<b>29,280</b>						<b>54.00</b>	<b>559,778.40</b>	3 797 826.00	32 857 614 335.60
<b>Future</b>												
	Dec 2018	ZACA	Future	500	10.8669	10.7420	0.0000	0.0000	0	0.00		
	Mar 2019	ZACA	Future	400	11.0148	10.8882	0.0000	0.0000	0	0.00		
				900					0.00	0.00	139 153.00	1 371 857 786.60
	<b>Total</b>		<b>900</b>						<b>0.00</b>	<b>0.00</b>	139 153.00	1 371 857 786.60
<b>Future</b>												
	Dec 2018	ZADK	Future	240	2.1886	2.1650	0.0000	0.0000	0	0.00		
				240					0.00	0.00	12 335.00	265 809 909.00
	<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	135,497	16.2956	16.1208	16.3191	16.2501	2,722	44,513,656.10		
	Mar 2019	ZAEU	Future	36,636	16.6373	16.4563	16.6457	16.5520	5	83,068.80		
	Jun 2019	ZAEU	Future	4,906	16.9540	16.7690	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	Future	8,262	17.3005	17.1144	0.0000	0.0000	0	0.00		
				185,301					2,727.00	44,596,724.90	15 661 760.00	225 365 755 098.60
<b>Option</b>												
	Mar 2019	ZAEU	15.60 Put	462	216.4819	255.8308	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	16.00 Call	650	988.0087	866.4067	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	17.33 Put	462	1117.5739	1234.7963	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	19.65 Call	462	100.9878	82.8542	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	18.60 Call	55,000	695.8469	632.4327	0.0000	0.0000	0	0.00		
				57,036					0.00	0.00	10 904 964.00	0.00
	<b>Total</b>		<b>242,337</b>						<b>2,727.00</b>	<b>44,596,724.90</b>	26 566 724.00	225 365 755 098.60
<b>Future</b>												

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Dec 2018	ZAFR	Future	1,616	14.2750	14.0653	0.0000	0.0000	0	0.00
Jun 2019	ZAFR	Future	150	14.8826	14.6609	0.0000	0.0000	0	0.00
			<u>1,766</u>					<i>0.00</i>	<i>0.00</i>
		<b>Total</b>	<b>1,766</b>					<b>0.00</b>	<b>0.00</b>
									<i>620 908.00</i>
									<i>6 672 647 028.20</i>
									<i>620 908.00</i>
									<i>6 672 647 028.20</i>
<b>Future</b>									
Dec 2018	ZAGB	Future	455,271	18.7060	18.4449	18.7060	18.7060	500	9,353,000.00
Mar 2019	ZAGB	Future	11,147	19.0232	18.7563	0.0000	0.0000	0	0.00
Jun 2019	ZAGB	Future	5,506	19.3148	19.0434	0.0000	0.0000	0	0.00
Sep 2019	ZAGB	Future	10,363	19.6315	19.3551	0.0000	0.0000	0	0.00
			<u>482,287</u>					<i>500.00</i>	<i>9,353,000.00</i>
									<i>12 881 081.00</i>
									<i>219 266 383 115.20</i>
<b>Option</b>									
Dec 2018	ZAGB	19.30 Call	200	183.3744	118.9294	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	18.00 Put	500	317.1252	391.8953	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	19.19 Put	1,000	843.6710	985.7160	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	20.00 Call	500	409.7793	324.4718	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	20.18 Call	1,500	366.6705	288.4390	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	21.44 Call	500	166.1337	124.3199	0.0000	0.0000	0	0.00
			<u>4,200</u>					<i>0.00</i>	<i>0.00</i>
		<b>Total</b>	<b>486,487</b>					<b>500.00</b>	<b>9,353,000.00</b>
									<i>14 660 194.00</i>
									<i>219 266 383 115.20</i>
<b>Future</b>									
Dec 2018	ZAJY	Future	6,905	0.1262	0.1240	0.0000	0.0000	0	0.00
			<u>6,905</u>					<i>0.00</i>	<i>0.00</i>
		<b>Total</b>	<b>6,905</b>					<b>0.00</b>	<b>0.00</b>
									<i>1 021 902.00</i>
									<i>11 470 576 312.50</i>
									<i>1 021 902.00</i>
									<i>11 470 576 312.50</i>
<b>Future</b>									
Jun 2019	ZAKS	Future	2,166	0.1390	0.1360	0.0000	0.0000	0	0.00
			<u>2,166</u>					<i>0.00</i>	<i>0.00</i>
		<b>Total</b>	<b>2,166</b>					<b>0.00</b>	<b>0.00</b>
									<i>38 066.00</i>
									<i>515 662 000.00</i>
									<i>38 066.00</i>
									<i>515 662 000.00</i>
<b>Future</b>									
Dec 2018	ZAUM	Future	396	14.3318	14.0607	14.4056	14.2455	25	35,815,000.00
Mar 2019	ZAUM	Future	5	14.5000	14.2247	14.5689	14.4972	10	14,533,050.00
			<u>401</u>					<i>35.00</i>	<i>50,348,050.00</i>
		<b>Total</b>	<b>401</b>					<b>35.00</b>	<b>50,348,050.00</b>
									<i>153 668.00</i>
									<i>177 800 848 410.00</i>
									<i>158 191.00</i>
									<i>177 800 848 410.00</i>
<b>Future</b>									
Dec 2018	ZAUS	Future	804,238	14.3318	14.0607	14.4056	14.2200	102,453	1,460,472,855.30
Mar 2019	ZAUS	Future	53,107	14.5000	14.2247	14.5700	14.3965	1,107	16,092,280.40
Jun 2019	ZAUS	Future	19,380	14.6578	14.3788	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 2019	ZAUS	Future	14,099	14.8266	14.5432	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	Future	9,870	14.9904	14.7038	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	3,966	15.1746	14.8863	0.0000	0.0000	0	0.00		
			<u>904,660</u>					<u>103,560.00</u>	<u>1,476,565,135.70</u>	<u>189 207 228.00</u>	<u>2 269 983 311 735.80</u>

Option

Dec 2018	ZAUS	11.64 Put	2,764	0.5591	0.8496	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	0.6952	1.0692	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	0.9378	1.4667	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	1.1469	1.8141	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	1.1941	1.8932	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	1.4045	2.2472	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	1.7227	2.7884	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	1.9092	3.1081	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	2.4987	4.1300	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	1835.0121	1566.0836	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	3.2121	5.3836	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	4.2297	7.1966	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	4.7062	8.3183	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	5.4694	10.4757	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	8.9667	19.6116	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	1342.3906	1083.4719	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	10.5906	22.7719	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	12.4676	26.3642	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	14.6303	30.4339	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1151.7520	900.9023	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	21.1965	42.4443	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1104.9888	856.7043	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	23.1888	46.0043	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	28.4682	55.2905	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	29.3000	56.7362	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	922.7957	690.3052	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	40.9957	79.6052	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	878.7052	651.8772	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	46.9052	91.1772	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	68,500	60.8435	117.8166	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	75.1510	142.6625	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	79.4741	149.3831	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	91.0532	167.0922	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	101.1377	182.2050	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	500	635.5749	446.8146	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	500	103.7749	186.1146	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	132.8015	228.1489	0.0000	0.0000	0	0.00



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Dec 2018	ZAUS	13.95 Call	39,589	530.9739	361.8697	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,000	498.6177	336.2221	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	166.8177	275.5221	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	205.9916	329.6146	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	214.4539	341.3409	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	420.5627	277.9787	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	235,564	227.5391	359.3053	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	232.0050	365.3917	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	382.1930	250.9253	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	250.3930	390.2253	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	269.6160	415.8142	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	356.3505	233.0282	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	299.9971	455.5653	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	317.6782	206.7311	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	315.8782	476.0311	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	308.5177	200.5854	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	326.7177	489.8854	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	350.0368	518.0902	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	287.7899	185.9409	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	272.0838	174.9360	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	11,200	249.9277	159.5493	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	418.1277	598.8493	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	424.5928	606.4116	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	81,900	216.5487	136.6835	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	1,000	484.7487	675.9835	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	213.4432	134.5750	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	210.3784	132.4988	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	533.8483	731.8645	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	187.2724	116.9508	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	584.8245	789.1501	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	174.0525	108.1409	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	592.2525	797.4409	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	161.7108	99.8267	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	629.9108	839.1267	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.82 Call	250	157.0088	96.6755	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	152.4385	93.6202	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	150.2012	92.1283	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	707.6770	924.3040	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	120.2039	72.3319	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	20,000	788.4039	1011.6319	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	118.4261	71.1721	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	104.9498	62.5275	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.10 Call	500	103.3551	61.5234	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	95.7267	56.7359	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Call	50	88.6494	52.3216	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	956.8494	1191.6216	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	1000.2850	1237.5521	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	1044.2005	1283.8018	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	68.2289	39.7417	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	59.3920	34.2887	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	57.5893	33.0449	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	55.8429	31.8430	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1224.0429	1471.1430	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	54.9898	31.2577	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	48.6236	26.9297	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	47.8825	26.4303	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	47.1529	25.9397	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	41.0770	21.8996	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	39.2350	20.6920	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1541.0012	1796.0876	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	32.2132	16.4701	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	28.8867	14.6838	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	5,000	24.4969	12.3510	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	19.9857	9.9862	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	18.8999	9.4217	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	16.8946	8.3855	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	15.6726	7.7575	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	8.5282	4.1498	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	5.3643	2.5915	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	3.6333	2.2482	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	2.7475	3.1689	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	12.5569	17.9999	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	40.4057	56.1732	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	42.8979	59.5379	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	75.1832	106.5206	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	77.2934	110.1653	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	15,434	86.2513	125.6550	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	92.2899	136.1006	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	104.1852	151.7436	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	109.6106	158.8224	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	129.1709	184.0828	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	146.5190	206.1896	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	153.4278	214.9220	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.40 Put	2,100	162.9900	226.9520	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>
Mar 2019	ZAUS	13.46 Put	20,000	178.0947	245.8272	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	188.6799	258.9703	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	202.5071	277.1653	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	9,570	216.9987	296.1178	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	241.5950	328.0225	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	248.0176	336.2991	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	254.5536	344.6997	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	264.5629	357.5221	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	278.2973	375.0429	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	300.9714	402.2233	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	304.8929	406.8566	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	320.8820	425.6888	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	17,406	362.9492	474.8246	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	380.6079	495.2894	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	455.9318	581.6691	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	496.3567	628.5122	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	706.7466	565.1870	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	533.2034	670.8861	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.42 Put	2,100	571.3980	714.5215	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	582.5521	727.2151	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	588.1726	733.5989	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	625.1830	497.5933	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	616.6583	490.5793	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	616.6583	765.8793	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	634.3468	785.5337	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	652.2680	805.4030	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	707.3983	866.2409	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	764.5169	928.8673	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	810.2607	978.7502	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	816.8887	985.9586	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	823.5358	993.1869	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	830.2087	1000.4352	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.99 Call	100	442.8994	346.5596	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	200	439.9121	344.1522	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	968.1763	1150.0007	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1011.1683	1196.3387	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1025.6534	1211.9190	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1032.9263	1219.7321	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	392.1996	305.8512	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1076.9510	1266.9527	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1084.3509	1274.8797	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	379.2116	295.4740	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	15.32 Put	262,812	1174.7410	1371.1523	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	325.5169	252.4435	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	323.3803	250.7349	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	314.9826	244.0304	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	310.8749	240.7545	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	306.8227	237.5275	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	283.7067	218.5699	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	257.4900	196.4693	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	254.2032	193.7041	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	244.6291	185.6617	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.98 Call	2,100	230.7235	174.2611	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	11,406	227.6249	171.8313	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	208.5229	156.9033	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	186.1058	139.4718	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	176.4729	132.0149	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	154.6990	115.2313	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	152.6896	113.6884	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	121.0852	89.5411	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	120.3189	88.9590	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	116.5711	86.1127	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	112.2476	83.1879	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	111.5446	82.7706	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	110.8467	82.3578	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	102.2177	77.2430	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	97.8926	74.6789	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	87.8549	68.0118	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	70.5575	54.8392	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	60.2697	47.0071	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	7.5501	8.5155	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	50.3379	72.7865	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	109.1831	149.2887	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	151.4004	202.0734	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	155.5407	207.1557	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	211.4936	274.8854	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	401.6547	500.4277	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	421.3418	524.3839	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1142.4297	972.8588	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	922.7792	777.9655	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	853.4337	716.9589	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	805.0430	950.1001	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	758.7835	634.4491	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,000	661.7267	550.6124	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	15.62 Call	5,035	515.7709	427.2740	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	474.3236	392.2469	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	448.8415	369.9535	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	16.00 Call	20	432.7507	355.5021	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	17.96 Call	8,203	186.3339	154.2543	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	14.8001	14.1381	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	92.9729	128.9546	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.91 Put	81,930	523.0199	618.2483	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	548.4233	648.3678	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.09 Put	33,715	601.2810	710.7459	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.14 Put	141,127	625.3473	737.5643	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	660.3108	775.9071	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.33 Put	33,151	722.4519	843.7724	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	942.7429	1080.4766	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1367.2376	1531.6759	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1493.4127	1665.1993	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	677.5068	576.8151	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	416.7891	350.1045	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	362.9508	308.4868	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	339.9334	292.2234	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	333.0547	286.4256	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.29 Call	81,930	304.9553	262.7736	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	292.4908	252.2965	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	282.2011	243.6517	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.67 Call	141,127	279.7368	241.5830	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	243.9329	190.8925	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	49.7811	58.9823	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	488.5791	568.5333	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	561.0984	483.4372	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	300.6190	242.3721	0.0000	0.0000	0	0.00		
			<u>8,172,060</u>					<u>0.00</u>	<u>0.00</u>	<u>61 469 599.00</u>	<u>0.00</u>
	<b>Total</b>		<b>9,076,720</b>					<b>103,560.00</b>	<b>1,476,565,135.70</b>	<b>250 676 827.00</b>	<b>2 269 983 311 735.80</b>
	<b>Grand Total</b>		<b>10,991,051</b>					<b>167,048.00</b>	<b>1 869 378 470.00</b>	<b>343,004,323</b>	<b>3,147,379,536,517.03</b>