



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 10-October-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	697.8509	697.5964	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>
		Total	25,000					0.00	0.00	25 000.00	7 830 750.00
Future											
Oct 2018	DAEU	Future	34	16.9072	16.9593	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>
Option											
Aug 2019	DAEU	17.01 Put	31,200	600.6482	600.6744	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	699.7179	744.9084	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>
		Total	93,634					0.00	0.00	2 191 915.00	11 965 949 271.80
Future											
Oct 2018	DAGB	Future	48	19.3545	19.3471	0.0000	0.0000	0	0.00		
			<u>48</u>					<u>0.00</u>	<u>0.00</u>	<u>53 893.00</u>	<u>887 905 331.00</u>
		Total	48					0.00	0.00	261 206.00	887 905 331.00
Future											
Oct 2018	DAUS	Future	4,314	14.6582	14.7764	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	14.6620	14.7804	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.6774	14.7960	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.6851	14.8038	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,500	14.6871	14.8058	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	4,209	14.6890	14.8077	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	14.6910	14.8096	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.7142	14.8330	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	24	14.7181	14.8370	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	308	14.7200	14.8389	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	179	14.7316	14.8508	0.0000	0.0000	0	0.00		

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Nov 2018	DAUS	Future	461	14.7451	14.8645	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	8,824	14.7470	14.8665	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	3,672	14.7702	14.8902	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	3,714	14.8073	14.9278	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.8112	14.9318	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.8654	14.9866	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,020	14.8673	14.9885	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	14.8923	15.0138	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	5,787	14.9211	15.0430	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,731	14.9729	15.0955	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,029	14.9768	15.0994	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.9844	15.1072	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	15.0384	15.1617	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	15.0982	15.2221	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	15.1581	15.2825	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	15.2184	15.3432	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	15.2810	15.4060	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.3396	15.4649	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.4001	15.5258	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	15.4703	15.5951	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.5383	15.6623	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.6019	15.7251	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.6699	15.7922	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.7379	15.8594	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.7972	15.9178	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.8717	15.9915	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.9946	16.1127	0.0000	0.0000	0	0.00
			<u>129,657</u>					<u>0.00</u>	<u>0.00</u>
									<u>10 716 906.00</u>
									<u>131 187 232 234.50</u>
Option									
Oct 2018	DAUS	14.88 Put	314	280.4906	214.4940	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.96 Call	314	43.3320	86.3588	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.50 Put	20,000	112.2392	79.4832	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	2.4049	1.3345	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	689.0217	800.6954	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	3.1594	2.0509	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	24.3996	19.7085	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	792.5150	905.6625	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.97 Put	600	38.0064	31.0887	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	97.3878	76.1997	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.34 Put	171	125.3939	99.6822	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.44 Call	171	411.1058	498.6580	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.45 Call	600	405.1070	492.0950	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	14.67 Call	250	288.2974	362.2904	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.82 Put	114	357.6575	302.1831	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.90 Call	600	198.9002	257.1883	0.0000	0.0000	0	0.00
Oct 2018	DAUS	15.01 Call	114	165.6952	217.4953	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	11.3121	18.0944	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	3.9651	6.5910	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	0.1783	0.1252	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	38.8067	31.1342	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	9.8343	15.5341	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.34 Put	171	187.0201	156.7953	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.50 Call	171	471.2671	553.2958	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.0787	0.0689	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	0.5063	0.5459	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1508.3946	1624.8434	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	368.2276	440.4196	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	359.7436	430.6889	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	301.4548	363.6877	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	471.4548	414.7877	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	332.5116	397.7622	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	450.7879	527.1393	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	12.0060	10.3510	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	76.5479	63.4682	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	86.0372	71.5742	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	808.6066	905.3437	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	196.9372	167.9362	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	662.4493	751.1189	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.80 Call	600	404.1127	472.8470	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	396.0903	463.7381	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	55.5246	71.7378	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	28.9022	38.2443	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	919.8866	845.4496	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	108.0601	91.2733	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	230.5239	198.4153	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	533.6325	478.4069	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	808.1773	738.7101	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	68.8162	57.2065	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	108.0050	91.2027	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	350.1243	408.4684	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	198.5808	238.6990	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	132.7157	113.4869	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	261.0368	227.6294	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	564.5782	510.2478	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	15.30 Put	35,000	833.7820	766.3007	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	32.0498	29.0386	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	37.0740	33.6690	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	557.9175	632.8929	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	516.5672	588.6197	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	29.3903	27.4209	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	124.7692	107.1260	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	836.1939	924.4857	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	260.3230	227.2314	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	620.2348	564.4406	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	97.9890	118.4628	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	59.8810	73.0930	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	25.3790	22.1952	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	48.6281	43.8919	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	314.2849	281.1609	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	856.7119	941.4652	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	520.2962	584.9262	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	65.8225	57.7083	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	355.7261	324.6386	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	879.0296	962.3627	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	565.7853	631.3680	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	50,000	297.5278	274.4549	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	80.9739	69.7003	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	392.7852	364.7340	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	899.8123	982.6945	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	602.9437	669.1721	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	93.5870	81.7100	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1733.7461	1840.9494	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	428.0683	400.6525	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	919.4159	1000.9942	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	637.8464	704.4243	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	103.5865	89.9664	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	459.4188	432.3647	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	938.3492	1018.6929	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	668.9815	735.9045	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	703.3243	666.1075	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	412.6564	460.7434	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	113.0444	92.8399	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	484.4504	459.3906	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	952.4141	1032.4536	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	692.6737	760.5162	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	217.8157	195.4448	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	16.44 Call	39,250	587.5746	647.9727	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	120.0408	108.8325	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	512.3910	487.7878	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	977.0451	1057.5914	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	726.1467	793.9020	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	623.3910	595.8871	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	703.8851	769.6996	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	127.5328	118.8093	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	537.0933	511.4563	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	990.4356	1070.5170	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	748.8047	816.6577	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	353.9773	389.2713	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	139.4557	129.5258	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	558.6664	533.1799	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1012.2972	1092.2103	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	776.6778	844.9817	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	150.8635	145.1543	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	580.4174	554.3755	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1032.0397	1111.5546	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	804.1588	872.3875	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	165.0826	159.3379	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	599.0085	572.9656	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1059.7736	1137.8773	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	836.1321	903.4946	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	182.3864	171.5957	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	616.4278	590.8940	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1087.6787	1164.3514	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	870.7485	937.6539	0.0000	0.0000	0	0.00		
			<u>819,603</u>					<u>0.00</u>	<u>0.00</u>	<u>20 886 410.00</u>	<u>0.00</u>
Total			949,260					0.00	0.00	31 603 316.00	131 187 232 234.50
Future											
Dec 2018	EUUS	Future	40	1.1589	1.1532	0.0000	0.0000	0	0.00		
			<u>40</u>					<u>0.00</u>	<u>0.00</u>	<u>744 445.00</u>	<u>8 445 126 755.00</u>
Total			40					0.00	0.00	744 445.00	8 445 126 755.00
Future											
Dec 2018	GBUS	Future	30	1.3240	1.3129	0.0000	0.0000	0	0.00		
			<u>30</u>					<u>0.00</u>	<u>0.00</u>	<u>169 421.00</u>	<u>2 180 058 224.00</u>
Total			30					0.00	0.00	169 421.00	2 180 058 224.00

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Dec 2018	ZAAD	Future	36,597	10.4960	10.5465	10.4965	10.4800	103	1,081,090.00	
Mar 2019	ZAAD	Future	420	10.6383	10.6907	0.0000	0.0000	0	0.00	
Jun 2019	ZAAD	Future	4,929	10.7769	10.8310	0.0000	0.0000	0	0.00	
			<u>41,946</u>					<u>103.00</u>	<u>1,081,090.00</u>	<u>3 739 232.00</u>
	Total		41,946					103.00	1,081,090.00	3 771 609.00
Future										32 585 242 305.80
Dec 2018	ZACA	Future	600	11.3983	11.4985	0.0000	0.0000	0	0.00	
			<u>600</u>					<u>0.00</u>	<u>0.00</u>	<u>137 653.00</u>
	Total		600					0.00	0.00	137 653.00
Future										1 355 055 071.60
Dec 2018	ZADK	Future	240	2.3174	2.3233	0.0000	0.0000	0	0.00	
			<u>240</u>					<u>0.00</u>	<u>0.00</u>	<u>12 335.00</u>
	Total		240					0.00	0.00	12 335.00
Future										265 809 909.00
Dec 2018	ZAEU	Future	110,461	17.1217	17.1761	17.0988	16.9806	80	1,362,731.00	
Mar 2019	ZAEU	Future	36,666	17.4821	17.5378	17.3950	17.3950	5	86,975.00	
Jun 2019	ZAEU	Future	5,256	17.8228	17.8804	0.0000	0.0000	0	0.00	
Sep 2019	ZAEU	Future	6,834	18.2002	18.2597	0.0000	0.0000	0	0.00	
			<u>159,217</u>					<u>85.00</u>	<u>1,449,706.00</u>	<u>15 577 643.00</u>
Option										223 962 798 170.90
Mar 2019	ZAEU	15.60 Put	462	117.6060	117.8718	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	16.00 Call	650	1672.1620	1726.8405	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	17.33 Put	462	715.9080	710.2735	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	19.65 Call	462	276.8429	306.2063	0.0000	0.0000	0	0.00	
			<u>2,036</u>					<u>0.00</u>	<u>0.00</u>	<u>10 794 564.00</u>
	Total		161,253					85.00	1,449,706.00	26 372 207.00
Future										223 962 798 170.90
Dec 2018	ZAFR	Future	1,748	15.0071	15.0741	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	15.6542	15.7255	0.0000	0.0000	0	0.00	
			<u>1,898</u>					<u>0.00</u>	<u>0.00</u>	<u>620 576.00</u>
	Total		1,898					0.00	0.00	620 576.00
Future										6 667 908 161.60
Dec 2018	ZAGB	Future	439,892	19.5602	19.5540	19.4747	19.4747	26	504,867.40	
Mar 2019	ZAGB	Future	6,644	19.8987	19.8936	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,856	20.2140	20.2101	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	10,363	20.5607	20.5564	0.0000	0.0000	0	0.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
			462,755					26.00	504,867.40	12 813 113.00	217 974 918 705.60	
Option												
	Dec 2018	ZAGB	19.30 Call	200	728.2992	735.2880	0.0000	0.0000	0	0.00		
	Dec 2018	ZAGB	21.00 Call	400	185.7494	193.4125	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	18.00 Put	500	231.7857	239.7363	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	20.00 Call	500	886.3926	901.2148	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	21.44 Call	500	439.2334	453.9316	0.0000	0.0000	0	0.00		
			2,100					0.00	0.00	1 776 213.00	0.00	
	Total		464,855					26.00	504,867.40	14 589 326.00	217 974 918 705.60	
Future												
	Dec 2018	ZAJY	Future	6,905	0.1317	0.1322	0.0000	0.0000	0	0.00		
			6,905					0.00	0.00	1 021 902.00	11 470 576 312.50	
	Total		6,905					0.00	0.00	1 021 902.00	11 470 576 312.50	
Future												
	Jun 2019	ZAKS	Future	2,166	0.1436	0.1453	0.0000	0.0000	0	0.00		
			2,166					0.00	0.00	38 066.00	515 662 000.00	
	Total		2,166					0.00	0.00	38 066.00	515 662 000.00	
Future												
	Dec 2018	ZATR	Future	12,000	2.3527	2.3315	0.0000	0.0000	0	0.00		
			12,000					0.00	0.00	383 239.00	1 228 466 169.00	
	Total		12,000					0.00	0.00	383 239.00	1 228 466 169.00	
Future												
	Dec 2018	ZAUM	Future	336	14.7741	14.8941	0.0000	0.0000	5	7,384,500.00		
	Mar 2019	ZAUM	Future	10	14.9556	15.0780	0.0000	0.0000	0	0.00		
			346					5.00	7,384,500.00	153 043.00	176 889 501 460.00	
	Total		346					5.00	7,384,500.00	157 566.00	176 889 501 460.00	
Future												
	Dec 2018	ZAUS	Future	865,351	14.7741	14.8941	14.8028	14.6489	82,294	1,213,247,134.30		
	Mar 2019	ZAUS	Future	46,866	14.9556	15.0780	14.9709	14.8344	4,756	70,605,477.20		
	Jun 2019	ZAUS	Future	18,950	15.1253	15.2494	0.0000	0.0000	0	0.00		
	Sep 2019	ZAUS	Future	20,642	15.3083	15.4335	0.0000	0.0000	0	0.00		
	Mar 2020	ZAUS	Future	3,966	15.7006	15.8225	0.0000	0.0000	0	0.00		
			955,775					87,050.00	1,283,852,611.50	187 689 292.00	2 247 966 684 688.90	
Option												
	Dec 2018	ZAUS	11.64 Put	2,764	2.5380	1.9317	0.0000	0.0000	0	0.00		
	Dec 2018	ZAUS	11.75 Put	228,616	3.2075	2.4481	0.0000	0.0000	0	0.00		

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Dec 2018	ZAUS	11.90 Put	11,300	4.1062	3.3608	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	4.7334	3.9176	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	4.8700	4.0392	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	5.4578	4.5642	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	6.2952	5.3171	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	6.7619	5.7389	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	8.1471	6.9981	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2283.7833	2402.5041	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	9.6833	8.4041	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	11.6850	10.2479	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	12.5640	11.0607	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	13.9099	12.3079	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	18.6331	16.7043	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	1794.1533	1912.1302	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	20.0533	18.0302	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	21.5858	19.4621	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	23.2386	21.0074	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1601.0478	1718.5775	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	27.7598	25.2373	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1553.1251	1670.5226	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	29.0251	26.4226	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	32.9901	29.4072	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	33.8801	29.8606	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1370.1893	1481.9669	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	46.0893	37.8669	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1326.1750	1437.0657	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	52.0750	42.9657	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	65.7991	54.7348	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	78.5970	65.7902	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	82.0646	68.7975	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	91.2226	76.7612	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1091.1599	1195.9553	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	99.0647	83.6062	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1075.1991	1179.4857	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	500	101.0991	85.3857	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	123.1168	104.7175	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	959.4014	1059.5743	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,200	922.4012	1021.0898	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	148.3012	126.9898	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	178.4040	152.3814	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	184.8610	157.8474	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	832.2455	924.7307	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.15 Put	236,970	194.8248	166.2947	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	198.2198	169.3656	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	786.2673	876.1546	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	212.1673	182.0546	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	226.7081	195.3243	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	754.5368	842.8348	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	249.6367	216.3314	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	705.7049	791.4305	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	261.6049	227.3305	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	693.8676	778.9482	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	269.7676	234.8482	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	286.5437	250.3259	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	664.9281	748.3886	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	642.4453	724.6006	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	1,200	609.8235	690.0228	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	335.7235	295.9228	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	340.4126	300.2890	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	558.3645	635.3047	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	384.2645	341.2047	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	553.4168	630.0299	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	548.5022	624.7909	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	524.4694	599.1362	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	420.3694	375.0362	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	510.4715	584.1648	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	458.1890	410.5927	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	487.8295	559.9100	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	463.7295	415.8100	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	466.7733	536.5168	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	492.6733	442.4168	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	450.5278	518.4075	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	446.5502	513.9656	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	553.0356	498.1411	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	390.6535	452.2190	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	30,700	616.5535	558.1190	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	387.1712	448.3899	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	360.3651	418.8416	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	357.1420	415.2823	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	341.4429	397.9161	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	752.3197	687.1528	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	787.9441	721.1751	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	824.1956	755.8582	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	280.0590	329.5812	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.46 Call	1,867	258.2538	305.1264	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	253.6458	299.9455	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	249.1217	294.8566	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	975.0217	900.7566	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	246.8689	292.3431	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	229.5766	273.0241	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	227.5056	270.7042	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	225.4516	268.4048	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	207.8036	248.3304	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	202.2447	241.9187	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1249.0491	1165.7250	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	181.5090	217.9209	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	171.9899	206.8591	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	10,050	158.6907	191.3480	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	143.9089	174.0344	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	140.1386	169.6058	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	132.9162	161.1044	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	128.3268	155.6913	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.50 Call	1,000	100.8967	124.2921	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	95.4731	117.8141	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	76.6741	95.2258	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	64.0277	79.9003	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	2.6344	2.0157	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	10.6959	8.4774	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	33.0429	24.9427	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	35.3247	26.9825	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	65.1999	54.8335	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	67.1604	56.7125	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	75.4823	64.7399	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	81.0892	70.1887	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	89.4905	78.4019	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	93.2956	82.1394	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	106.9065	95.5837	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	118.8763	107.4834	0.0000	0.0000	135,043	0.00
Mar 2019	ZAUS	13.36 Put	134,750	123.6238	112.2204	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	140.8038	129.1345	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	149.3003	136.3995	0.0000	0.0000	50	0.00
Mar 2019	ZAUS	13.55 Put	10,000	160.4099	145.8951	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	4,000	172.0746	155.8646	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	191.9142	174.3891	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	197.1042	179.2462	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	202.3901	184.1936	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.75 Put	17,981	210.4889	191.7851	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	221.6222	202.2278	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	242.0196	221.3948	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	254.2039	232.8631	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	286.3720	263.1934	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	299.9282	275.9981	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	358.1182	331.0966	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	391.5810	360.9883	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	1055.8086	1146.7059	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	422.2364	388.4387	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	463.5196	427.7173	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	958.1311	1043.8388	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	947.7927	1033.0536	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	492.1927	455.0536	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	506.8664	469.0632	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	521.7692	483.2987	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	567.8128	527.3495	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	615.8223	573.3736	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	654.4871	610.5059	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	660.1054	615.9072	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	665.7429	621.3280	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	671.4072	626.7759	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	736.7320	811.9030	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	789.4396	740.4417	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	826.5634	776.2528	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	839.1062	788.3329	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	845.4086	794.4043	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	656.4220	726.8977	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	883.6500	831.2678	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	890.0901	837.4834	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	968.9408	913.6265	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	563.0201	627.2520	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	559.9529	623.9685	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	547.8558	611.0148	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	541.9133	604.6452	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	536.0392	598.3461	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	502.1906	561.9925	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	463.4890	519.8793	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	458.6053	514.5301	0.0000	0.0000	270,086	0.00
Mar 2019	ZAUS	15.89 Call	4,145	444.2911	498.9039	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	10,000	419.3452	471.6835	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	391.9063	441.6528	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	16.30 Call	10,000	359.1028	405.6405	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	344.7884	389.8810	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	310.2345	353.5419	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	306.9133	350.1258	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	253.3854	290.5958	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	252.0543	289.1078	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	245.5220	281.8093	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	237.9365	273.3193	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	236.6969	271.9329	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	235.4674	270.5545	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	220.1086	253.3315	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	212.3163	244.5735	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	191.7490	221.4006	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	150.6910	173.8030	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	131.4309	149.5934	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	9.3116	8.6409	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	27.1529	18.5827	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	70.9730	56.5659	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	105.0232	88.0004	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	108.4393	91.2044	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	155.5080	136.0454	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	318.7454	297.7440	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	6,250	335.1933	313.5308	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1514.9448	1616.0355	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	1251.6825	1346.0538	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	1170.4210	1259.7555	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	650.8235	615.1239	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	1058.4042	1143.2572	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	779.7415	852.1029	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	6,250	757.3382	828.4629	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	702.9638	770.9750	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	669.2287	735.1655	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	647.9638	712.3546	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	303.5268	341.5092	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	15.5997	12.6182	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	50.9595	50.2511	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	417.8345	394.0611	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	439.4043	415.3050	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	484.4975	459.7697	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.14 Put	141,127	504.0502	479.0743	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	532.1784	506.8677	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	582.4422	556.5802	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	14.72 Put	1,200	769.1066	736.2498	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1155.6041	1112.7397	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.55 Call	30,000	1022.1968	1102.8863	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1270.3918	1225.7415	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	916.5831	992.7269	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	592.1347	650.3710	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	522.3588	575.1163	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	490.7626	540.9019	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	479.3956	528.5729	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.29 Call	81,930	432.4165	477.4942	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	414.2006	454.4447	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.63 Call	33,715	400.3362	437.2537	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.67 Call	141,127	397.0133	433.6209	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	349.9376	382.0046	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	45.3454	45.3842	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	370.6890	350.6326	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	760.1345	822.7177	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	454.7396	493.5103	0.0000	0.0000	0	0.00
			<u>8,265,223</u>					<u>405,179.00</u>	<u>0.00</u>
		Total	9,220,998					492,229.00	1,283,852,611.50
									248 376 614.00
									2 247 966 684 688.90
		Grand Total	10,981,219					492,448.00	1 294 272 774.90
									338,857,325
									3,118,078,130,267.02