



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 15-November-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Nov 2018	DAEU	Future	37	16.1374	16.2308	0.0000	0.0000	0	0.00		
			<u>37</u>					<u>0</u>	<u>0.00</u>		
										801 399.00	11 967 156 360.40
<b>Option</b>											
Aug 2019	DAEU	17.01 Put	31,200	980.0458	920.5188	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	375.4297	402.7470	0.0000	0.0000	0	0.00		
			<u>93,600</u>					<u>0</u>	<u>0.00</u>		
										1 390 587.00	0.00
		<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	18.2546	18.6061	0.0000	0.0000	0	0.00		
Jan 2019	DAGB	Future	23	18.4562	18.8219	0.0000	0.0000	0	0.00		
			<u>36</u>					<u>0</u>	<u>0.00</u>		
										53 977.00	889 500 016.60
		<b>Total</b>	<b>36</b>					<b>0.00</b>	<b>0.00</b>	<b>261 290.00</b>	<b>889 500 016.60</b>
<b>Future</b>											
Nov 2018	DAUS	Future	0	14.2540	14.2910	0.0000	0.0000	195	2,779,530.00		
Nov 2018	DAUS	Future	308	14.2579	14.2910	0.0000	0.0000	234	3,339,823.50		
Nov 2018	DAUS	Future	179	14.2579	14.2968	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	368	14.2663	14.3045	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.2680	14.3065	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	2,627	14.2698	14.3084	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	500	14.2823	14.3223	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,672	14.2912	14.3321	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,420	14.3236	14.3665	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.3269	14.3699	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	150	14.3485	14.3924	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	8	14.3502	14.3941	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.3737	14.4183	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,764	14.3753	14.4201	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.3973	14.4425	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	5,841	14.4230	14.4689	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	14.4697	14.5167	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,753	14.4732	14.5203	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.4801	14.5274	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.5286	14.5770	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.5827	14.6323	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.6376	14.6880	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.6925	14.7436	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.7500	14.8017	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.8049	14.8566	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.8579	14.9096	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.9187	14.9701	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.9807	15.0310	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.0387	15.0880	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.1007	15.1489	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.1626	15.2099	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.2166	15.2629	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.2846	15.3298	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.3966	15.4398	0.0000	0.0000	0	0.00		
			<u>114,012</u>					<u>429.00</u>	<u>6,119,353.50</u>	<u>10 814 010.00</u>	<u>132 583 249 150.10</u>

**Option**

Nov 2018	DAUS	10.83 Put	51,000	0.0000	0.0000	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	0.0000	0.0000	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1037.9000	1071.1049	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.32 Call	15,000	40.5197	69.7576	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	2.3583	7.1862	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	2.0721	6.4323	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.78 Call	30,000	1.6082	5.1657	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	0.8313	2.8794	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	632.9313	601.8794	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.67 Put	20,000	12.8275	12.6520	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	20,000	142.9482	135.1819	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.76 Call	4,000	49.6007	61.0324	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	3.3503	3.6649	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	39.1325	35.4973	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	48.8258	44.4925	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	305.8792	335.9355	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	421	192.4559	179.9139	0.0000	0.0000	171	0.00
Nov 2018	DAUS	14.30 Call	600	190.0083	213.9114	0.0000	0.0000	171	0.00
Nov 2018	DAUS	14.80 Call	600	56.2873	68.0189	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	53.4554	64.8000	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	0.7241	0.8381	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Nov 2018	DAUS	17.31 Call	500	0.3417	0.3863	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1187.6326	1154.1486	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	65,000	51.6074	48.5133	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	86.9330	81.6547	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	251.9722	237.8980	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	689.8604	661.9727	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	1047.4025	1015.2636	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	125	55.6919	52.4227	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.07 Call	125	361.9934	393.2682	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.50 Call	125	165.9413	186.0181	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	48.0669	45.4759	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	94.5049	89.2167	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	65.5447	76.5316	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	19.7174	24.9625	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	137.8738	128.8125	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	310.0182	293.0906	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	725.9650	697.2137	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	1065.4337	1032.0670	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	21.7102	20.4193	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	29.0077	27.3363	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	193.1242	210.0868	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	169.4184	184.9104	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	14.8746	12.1521	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	133.8857	124.4053	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	404.1150	430.3649	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	315.5886	298.3987	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	794.8753	764.1765	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	8.5175	10.4951	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	4.4176	4.7047	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.64 Put	250	105.1945	98.1491	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.12 Call	250	487.9310	515.0871	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.65 Call	250	264.5489	280.7280	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	14.1106	14.5739	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.88 Call	4,000	286.9552	300.4047	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	39.9955	37.1311	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	372.8499	352.7904	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	398.1395	377.0339	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	463.3585	484.3620	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	229.9728	240.4343	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	166.8869	174.7468	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	67.3626	63.7794	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	431.2513	409.1112	0.0000	0.0000	0	0.00

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Feb 2019	DAUS	14.25 Put	250	456.6336	433.8146	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	511.3874	529.5768	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	287.3395	297.1207	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	219.0633	225.8967	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	382.9872	361.6380	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	94.8197	89.5919	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	481.9925	457.8122	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	507.5497	482.7265	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	553.4831	569.9261	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	336.5064	345.7584	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	267.9938	274.7803	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.04 Call	4,000	514.6428	527.8520	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	125.4333	115.3205	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1280.1488	1311.7111	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	526.9172	500.7630	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	552.5161	525.7832	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	589.5567	604.6763	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	380.2175	389.1103	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	314.1850	321.2840	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	150.0906	138.7891	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	565.7442	538.7263	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	591.4061	563.8755	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	621.4312	636.3823	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	418.8564	428.1207	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	350.9433	358.9865	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	881.4076	849.4504	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	241.7578	246.8633	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	169.7097	156.9582	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	596.5780	569.6250	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	622.3229	594.8774	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	647.1349	662.1204	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	450.3430	460.1551	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	382.3191	391.0804	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	295.6118	277.3817	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	371.9147	380.3776	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	188.6740	174.7645	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	628.5899	600.8066	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	654.3697	626.1079	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	680.1197	694.2934	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	487.9085	497.0929	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	419.6342	428.3386	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	791.2747	761.1099	0.0000	0.0000	0	0.00

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Aug 2019	DAUS	16.35 Call	3,147	473.6533	483.4522	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	203.4731	190.5199	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	655.4138	628.0599	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	681.1985	653.3793	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	702.2380	716.1981	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	514.6277	524.6481	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	446.5191	455.2217	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	234.7209	238.6471	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	223.3166	202.9093	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	679.0331	652.0657	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	704.7610	677.3649	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	730.0541	744.2859	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	544.2713	554.8427	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	474.2783	483.4520	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	240.2718	218.4077	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	701.7902	675.2506	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	727.4762	700.5376	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	750.3988	764.4828	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	568.3610	578.8976	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	500.5827	509.7874	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	254.3825	235.1068	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	722.6854	696.8065	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	748.3596	722.0947	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	776.5510	790.7938	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	596.2634	607.4399	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	529.8438	539.8039	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	272.2194	253.2750	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	745.8107	721.1616	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	770.1896	745.1251	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	807.3108	820.9083	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	631.0194	641.8094	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	565.5698	575.3372	0.0000	0.0000	0	0.00		
			<u>936,153</u>					<u>342.00</u>	<u>0.00</u>	<u>21 873 883.00</u>	<u>0.00</u>
<b>Total</b>			<b>1,050,165</b>					<b>771.00</b>	<b>6,119,353.50</b>	<b>32 687 893.00</b>	<b>132 583 249 150.10</b>
<b>Future</b>											
Dec 2018	EUUS	Future	50	1.1321	1.1357	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>
<b>Total</b>			<b>50</b>					<b>0.00</b>	<b>0.00</b>	<b>744 705.00</b>	<b>8 448 109 050.00</b>
<b>Future</b>											
Dec 2018	GBUS	Future	5	1.2800	1.3012	0.0000	0.0000	0	0.00		

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			5					0.00	0.00	169 976.00	2 187 275 765.00
		<b>Total</b>	<b>5</b>					<b>0.00</b>	<b>0.00</b>	169 976.00	2 187 275 765.00
<b>Future</b>											
	Dec 2018	ZAAD	Future	23,926	10.3924	10.3645	0.0000	0.0000	0	0.00	
	Mar 2019	ZAAD	Future	324	10.5229	10.4979	0.0000	0.0000	0	0.00	
	Jun 2019	ZAAD	Future	4,934	10.6522	10.6291	0.0000	0.0000	0	0.00	
				29,184					0.00	0.00	3 765 615.00
		<b>Total</b>	<b>29,184</b>					<b>0.00</b>	<b>0.00</b>	3 797 992.00	32 859 354 274.60
<b>Future</b>											
	Dec 2018	ZACA	Future	500	10.8109	10.8469	0.0000	0.0000	0	0.00	
	Mar 2019	ZACA	Future	400	10.9534	10.9927	0.0000	0.0000	0	0.00	
				900					0.00	0.00	139 363.00
		<b>Total</b>	<b>900</b>					<b>0.00</b>	<b>0.00</b>	139 363.00	1 374 160 114.60
<b>Future</b>											
	Dec 2018	ZADK	Future	140	2.1742	2.1867	0.0000	0.0000	0	0.00	
				140					0.00	0.00	12 435.00
		<b>Total</b>	<b>140</b>					<b>0.00</b>	<b>0.00</b>	12 435.00	267 991 609.00
<b>Future</b>											
	Dec 2018	ZAEU	Future	135,238	16.1834	16.2819	16.3022	16.2235	51	830,163.10	
	Mar 2019	ZAEU	Future	36,636	16.5118	16.6207	16.5680	16.5300	7	115,911.70	
	Jun 2019	ZAEU	Future	4,906	16.8200	16.9356	0.0000	0.0000	0	0.00	
	Sep 2019	ZAEU	Future	9,050	17.1635	17.2846	0.0000	0.0000	0	0.00	
				185,830					58.00	946,074.80	15 663 960.00
											225 402 575 655.40
<b>Option</b>											
	Mar 2019	ZAEU	15.60 Put	462	228.3206	200.8573	0.0000	0.0000	0	0.00	
	Mar 2019	ZAEU	16.00 Call	650	886.4554	956.2377	0.0000	0.0000	0	0.00	
	Mar 2019	ZAEU	17.33 Put	462	1182.9204	1110.3664	0.0000	0.0000	0	0.00	
	Mar 2019	ZAEU	19.65 Call	462	80.4408	91.3940	0.0000	0.0000	0	0.00	
	Sep 2019	ZAEU	18.60 Call	55,000	639.1163	680.0974	0.0000	0.0000	0	0.00	
	Dec 2019	ZAEU	13.73 Put	17,150	87.5296	0.0000	0.0000	0.0000	17,150	0.00	
	Dec 2019	ZAEU	16.15 Put	17,150	569.7315	0.0000	0.0000	0.0000	17,150	0.00	
	Dec 2019	ZAEU	20.62 Call	17,150	513.8315	0.0000	0.0000	0.0000	17,150	0.00	
				108,486					51,450.00	0.00	10 956 414.00
		<b>Total</b>	<b>294,316</b>					<b>51,508.00</b>	<b>946,074.80</b>	26 620 374.00	225 402 575 655.40
<b>Future</b>											
	Dec 2018	ZAFR	Future	1,616	14.2535	14.2690	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	14.8467	14.8734	0.0000	0.0000	0	0.00		
			<u>1,766</u>					<u>0.00</u>	<u>0.00</u>	<u>620 908.00</u>	<u>6 672 647 028.20</u>
		<b>Total</b>	<b>1,766</b>					<b>0.00</b>	<b>0.00</b>	<b>620 908.00</b>	<b>6 672 647 028.20</b>
<b>Future</b>											
Dec 2018	ZAGB	Future	449,256	18.2976	18.6548	18.4999	18.3498	1,520	28,040,422.00		
Mar 2019	ZAGB	Future	11,289	18.5978	18.9680	18.7963	18.6000	1,143	21,373,100.40		
Jun 2019	ZAGB	Future	5,506	18.8797	19.2591	19.0949	19.0940	10	190,944.50		
Sep 2019	ZAGB	Future	8,760	19.1920	19.5779	19.2090	19.2090	1,603	30,944,955.00		
			<u>474,811</u>					<u>4,276.00</u>	<u>80,549,421.90</u>	<u>12 895 514.00</u>	<u>219 537 752 108.80</u>
<b>Option</b>											
Dec 2018	ZAGB	19.30 Call	200	75.0642	148.9369	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	18.00 Put	500	449.4357	318.4597	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	19.19 Put	1,000	1082.2290	852.1315	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.00 Call	500	282.9419	371.8981	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.18 Call	1,500	250.2884	330.6626	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	103.6507	142.4259	0.0000	0.0000	0	0.00		
			<u>4,200</u>					<u>0.00</u>	<u>0.00</u>	<u>1 779 113.00</u>	<u>0.00</u>
		<b>Total</b>	<b>479,011</b>					<b>4,276.00</b>	<b>80,549,421.90</b>	<b>14 674 627.00</b>	<b>219 537 752 108.80</b>
<b>Future</b>											
Dec 2018	ZAJY	Future	6,905	0.1265	0.1261	0.0000	0.0000	0	0.00		
			<u>6,905</u>					<u>0.00</u>	<u>0.00</u>	<u>1 021 902.00</u>	<u>11 470 576 312.50</u>
		<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	0.1372	0.1385	0.0000	0.0000	0	0.00		
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>	<u>515 662 000.00</u>
		<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	ZAUM	Future	416	14.2947	14.3361	14.4005	14.2774	60	86,057,050.00		
Mar 2019	ZAUM	Future	20	14.4541	14.5008	14.5532	14.4867	20	29,033,600.00		
			<u>436</u>					<u>80.00</u>	<u>115,090,650.00</u>	<u>153 873.00</u>	<u>178 096 532 630.00</u>
		<b>Total</b>	<b>436</b>					<b>80.00</b>	<b>115,090,650.00</b>	<b>158 396.00</b>	<b>178 096 532 630.00</b>
<b>Future</b>											
Dec 2018	ZAUS	Future	798,497	14.2947	14.3361	14.4000	14.2700	48,532	695,786,072.10		
Mar 2019	ZAUS	Future	56,742	14.4541	14.5008	14.5543	14.4444	3,335	48,325,242.50		
Jun 2019	ZAUS	Future	18,830	14.6075	14.6574	14.6500	14.6500	560	8,209,202.00		
Sep 2019	ZAUS	Future	14,099	14.7756	14.8273	0.0000	0.0000	50	738,440.00		

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>	
Dec 2019	ZAUS	Future	9,600	14.9407	14.9917	0.0000	0.0000	3,820	57,391,680.00	
Mar 2020	ZAUS	Future	3,966	15.1286	15.1765	0.0000	0.0000	3,966	60,299,064.00	
			<u>901,734</u>					<u>60,263.00</u>	<u>870,749,700.60</u>	<u>189 469 610.00</u>
										<u>2 273 779 498 948.20</u>
<b>Option</b>										
Dec 2018	ZAUS	11.64 Put	2,764	0.1837	0.2009	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	11.75 Put	228,616	0.2556	0.2736	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	11.90 Put	11,300	0.3998	0.4163	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.00 Put	174,530	0.5377	0.5502	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.02 Put	5,500	0.5704	0.5817	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.10 Put	8,580	0.7219	0.7265	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.20 Put	7,300	0.9678	0.9585	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.25 Put	3,300	1.1198	1.1007	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.38 Put	39,589	1.6331	1.5751	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.50 Call	228,616	1797.0070	1838.2896	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.50 Put	26,400	2.3070	2.1896	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.63 Put	39,589	3.3433	3.1230	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.68 Put	10,000	3.8523	3.5780	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.75 Put	1,000	4.6933	4.3263	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.95 Put	500	8.3190	7.5663	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.00 Call	6,000	1304.3117	1344.9168	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.00 Put	177,520	9.6117	8.8168	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.05 Put	1,500	11.0919	10.2557	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.10 Put	11,300	12.7837	11.9083	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.20 Call	7,100	1111.6164	1152.0670	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.22 Put	5,500	17.8795	16.9167	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.25 Call	10,000	1064.1205	1104.5375	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.25 Put	17,800	19.4205	18.4375	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.32 Put	13,650	23.5057	22.4794	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.33 Put	135,000	24.1500	23.1176	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.45 Call	500	877.9544	918.2527	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.45 Put	4,080	33.2544	32.1527	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.50 Call	228,616	832.5967	872.8650	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.50 Put	29,800	37.8967	36.7650	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.60 Put	68,500	49.0043	47.7720	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.68 Put	13,150	63.5541	59.7343	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.70 Put	7,300	67.6375	63.5785	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.75 Put	700	78.6747	73.9731	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.79 Put	10,000	88.3850	83.1285	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.80 Call	500	585.6395	621.6374	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.80 Put	500	90.9395	85.5374	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.90 Put	35,000	119.3564	112.3853	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.95 Call	39,589	480.2947	513.8583	0.0000	0.0000	0	0.00	



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Dec 2018	ZAUS	14.00 Call	20,000	447.9283	480.5802	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	153.2283	144.4802	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	192.7701	182.0627	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	201.3692	190.2518	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	370.4545	400.5300	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	235,564	214.6996	202.9554	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	219.2578	207.3027	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	332.7688	361.3569	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	238.0688	225.2569	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	257.7940	244.1108	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	307.5672	335.0656	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	289.0816	274.0682	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	270.9408	295.8934	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	306.2408	289.7934	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	262.6554	286.6481	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	317.9554	300.5481	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	342.0269	323.7893	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	242.8769	265.8317	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	227.9896	250.1245	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	13,700	207.1523	228.0779	0.0000	0.0000	2,500	0.00
Dec 2018	ZAUS	14.50 Put	15,500	412.4523	391.9779	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	419.1485	398.4755	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	81,900	176.1674	195.1420	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	1,000	481.4674	459.0420	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	173.3119	192.0957	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	170.4988	189.0941	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	532.3473	508.6153	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	149.4552	166.5797	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	585.1615	560.1766	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	137.5551	153.7965	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	592.8551	567.6965	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	126.5476	141.9378	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	631.8476	605.8378	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.82 Call	250	122.3835	137.4411	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	118.3499	133.0800	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	116.3797	130.9499	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	712.2955	684.6765	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	90.3715	102.6729	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	20,000	795.6715	766.5729	0.0000	0.0000	5,000	0.00
Dec 2018	ZAUS	15.01 Call	10,000	88.8096	101.0147	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	77.1863	88.5079	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	75.8402	87.0349	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.15 Call	27,030	69.4421	80.0189	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Call	50	63.5691	73.5559	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	968.8691	937.4559	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	1013.4801	981.5043	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	1058.5403	1026.0280	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	47.0118	55.1936	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	40.0550	47.4011	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	38.6542	45.8254	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	37.3025	44.3026	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1242.6025	1208.2026	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	36.6445	43.5604	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	31.7846	38.0598	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	31.2246	37.4237	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	30.6746	36.7985	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	26.1468	31.6301	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	24.7937	30.0780	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1565.3991	1528.6273	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	19.7122	24.2449	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	17.5386	21.5313	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	5,000	14.7124	17.9951	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	11.8624	14.4222	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	11.1849	13.5725	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	9.9433	12.0156	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	9.1928	11.0745	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	4.9096	5.7263	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	3.0758	3.4701	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	2.0903	2.2805	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	2.2816	2.1527	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	12.2082	11.9250	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	39.1699	36.9912	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	41.5932	39.2281	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	73.1254	68.2900	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	75.1945	70.1958	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	15,434	83.9922	78.3022	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	91.8868	83.7759	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	103.8830	95.0833	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	109.3582	100.2571	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	129.1233	118.9859	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	146.6749	135.6803	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	153.6715	142.3478	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.40 Put	2,100	163.3563	151.5892	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	178.6664	166.2273	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.50 Put	50	189.4027	176.5111	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	203.4306	189.9674	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	9,570	218.1425	204.1027	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	243.1289	228.1562	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	249.6547	234.4494	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	256.2966	240.8557	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	266.4703	250.6780	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	281.4052	264.1738	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	304.7518	286.4254	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	308.7494	290.2763	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	325.0488	305.9898	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	17,406	367.9348	347.4175	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	385.9374	364.8408	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	462.7245	439.3446	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	503.9248	479.4335	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	668.6127	690.5472	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	541.4715	516.0270	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.42 Put	2,100	580.3830	554.0060	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	591.7479	565.1055	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	597.4691	570.6998	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	589.2014	608.4360	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	581.0883	599.8655	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	626.9883	599.0655	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	645.0211	616.7091	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	663.2848	634.5884	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	719.4524	689.6414	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	777.6153	746.7337	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	824.1763	792.4937	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	830.9204	799.1254	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	837.6871	805.7802	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	844.4729	812.4580	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.99 Call	100	413.0021	426.1002	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	200	410.1299	423.1296	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	984.7526	950.6517	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1028.4280	993.7507	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1043.1429	1008.2760	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1050.5256	1015.5679	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	364.3992	375.7249	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1095.3178	1059.7188	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1102.8541	1067.1437	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	352.0802	362.8492	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1194.6502	1157.8188	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	15.45 Call	20,000	300.8719	309.7496	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	298.8361	307.6421	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	290.8415	299.3604	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	286.9321	295.3135	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	283.0802	291.3231	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	261.1317	268.5905	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	236.3125	242.8855	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	233.2079	239.6694	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	224.1672	230.3069	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.98 Call	2,100	210.5888	216.7435	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	207.6755	213.7252	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	189.7448	195.1623	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	168.7723	173.4534	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	159.7873	164.1531	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	139.5381	143.2010	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	137.6741	141.2730	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	108.4682	111.0712	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	107.7639	110.3434	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	104.3162	106.7793	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	100.3427	102.6745	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	99.6982	102.0087	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	99.0568	101.3463	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	91.1470	93.1765	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	87.1900	89.0917	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	78.5397	79.5436	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	62.6479	62.9788	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	53.2489	53.2087	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	7.3089	7.2810	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	50.8440	48.9006	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	111.9833	104.6539	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	155.9709	144.6969	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	160.2858	148.6291	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	218.0041	202.1077	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	410.5364	388.9880	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	431.3179	408.4380	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1103.3070	1128.6902	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	886.6342	907.6484	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	818.3778	837.9889	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	820.6549	789.9168	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	725.8587	743.2581	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,000	631.4036	646.4481	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	490.3738	501.4987	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	15.80 Call	1,000	450.4960	460.5280	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	426.0183	435.3807	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	16.00 Call	20	410.5764	419.5126	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	17.96 Call	8,203	176.4398	178.3070	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	14.5218	14.0130	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	99.9028	84.3099	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.91 Put	81,930	532.8325	509.7868	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	558.4650	534.9045	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.09 Put	33,715	613.0989	587.2135	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.14 Put	141,127	637.7675	611.1100	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	673.1303	645.8478	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.33 Put	33,151	735.9538	707.6476	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	958.4386	927.0944	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1387.1750	1351.3496	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1514.6592	1477.6254	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	650.0860	662.7899	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	396.7390	404.5069	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	344.7577	351.4858	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	323.6745	328.8713	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	317.0344	322.1274	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.29 Call	81,930	289.9277	294.6340	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	277.9142	282.4606	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	268.0026	272.4149	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.67 Call	141,127	265.6279	270.0121	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	228.4118	235.1276	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	50.4940	44.8555	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	498.0248	478.1862	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	539.4120	549.2630	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	283.6636	291.7521	0.0000	0.0000	0	0.00		
			<u>8,165,060</u>					<u>7,500.00</u>	<u>0.00</u>	<u>61 487 849.00</u>	<u>0.00</u>
	<b>Total</b>		<b>9,066,794</b>					<b>67,763.00</b>	<b>870,749,700.60</b>	<b>250 957 459.00</b>	<b>2 273 779 498 948.20</b>
<b>Grand Total</b>			<b>11,025,511</b>					<b>124,398.00</b>	<b>1 073 455 200.80</b>	<b>343,395,889</b>	<b>3,151,812,292,918.83</b>