



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 05-October-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	648.4223	640.0656	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	17.0050	16.9890	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	558.3934	562.8110	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	730.1006	729.2736	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	19.3137	19.2058	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	14.7624	14.7370	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	14.7664	14.7410	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.7804	14.7567	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.7875	14.7646	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,500	14.7892	14.7666	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	4,209	14.7910	14.7685	0.0000	0.0000	384	5,671,480.00		
Nov 2018	DAUS	Future	55	14.7927	14.7705	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.8138	14.7942	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	24	14.8183	14.7982	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	120	14.8206	14.8001	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	179	14.8342	14.8120	0.0000	0.0000	0	0.00		

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Nov 2018	DAUS	Future	461	14.8501	14.8259	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	8,824	14.8523	14.8279	0.0000	0.0000	400	5,935,000.00
Dec 2018	DAUS	Future	3,672	14.8789	14.8517	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	3,714	14.9155	14.8895	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.9194	14.8934	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.9740	14.9486	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,020	14.9760	14.9505	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	15.0015	14.9760	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	5,787	15.0309	15.0055	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,731	15.0839	15.0585	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,029	15.0878	15.0624	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	15.0956	15.0702	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	15.1510	15.1252	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	15.2124	15.1861	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	15.2738	15.2471	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	15.3346	15.3076	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	15.3970	15.3699	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.4556	15.4284	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.5156	15.4880	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	15.5832	15.5550	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.6488	15.6198	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.7101	15.6805	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.7757	15.7453	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.8412	15.8101	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.8983	15.8666	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.9702	15.9377	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	16.0887	16.0548	0.0000	0.0000	0	0.00
			<u>129,469</u>					<u>784.00</u>	<u>11,606,480.00</u>
									<u>10 716 906.00</u>
									<u>131 187 232 234.50</u>
Option									
Oct 2018	DAUS	14.88 Put	314	246.4714	274.3971	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.96 Call	314	103.1754	106.6579	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.50 Put	20,000	98.7871	0.0000	0.0000	0.0000	20,000	0.00
Oct 2018	DAUS	13.20 Put	1,630	2.6371	2.8884	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	788.4998	766.0105	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	3.3900	3.2882	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	24.0589	24.1636	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	893.4454	871.3647	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.97 Put	600	35.5644	36.1121	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	82.7558	88.9967	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.34 Put	171	107.2560	114.7871	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.44 Call	171	490.6489	477.1861	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.45 Call	600	484.1958	470.8868	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	356.6420	346.7072	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.82 Put	114	314.6048	330.2349	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.90 Call	600	253.7948	248.0342	0.0000	0.0000	0	0.00
Oct 2018	DAUS	15.01 Call	114	215.1879	210.8045	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	19.5228	20.0298	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	7.2222	7.3663	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	0.2058	0.1973	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	35.4768	36.6010	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	15.8536	15.9262	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.34 Put	171	160.4287	164.8735	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.50 Call	171	539.0379	525.0024	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.1055	0.0010	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	0.7141	0.3794	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1609.6524	1588.8527	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	427.5216	415.5243	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	417.8981	406.1222	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	351.8224	342.5635	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	421.2224	432.4635	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	385.7820	375.0918	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	514.7181	499.6599	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	9.4335	9.3095	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	61.0520	61.7751	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	69.6350	70.4741	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	892.5156	869.6487	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	169.9474	172.9820	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	739.0233	718.1953	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.80 Call	600	461.8114	447.4346	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	452.7529	438.6517	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	68.7672	67.6587	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	36.2894	35.9764	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	849.8554	867.8093	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	90.3942	91.0222	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	200.5675	204.1826	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	480.9185	492.5132	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	742.3737	758.7438	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	55.1085	54.4906	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	89.6741	89.9571	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	398.4599	385.5873	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	230.8949	224.0939	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	111.1735	111.6769	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	226.5045	230.8162	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	509.6388	521.1899	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	15.30 Put	35,000	767.0795	783.2580	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	27.7523	25.1901	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	31.7057	28.7562	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	619.9843	601.4947	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	575.8210	558.3649	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	25.8244	25.2902	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	103.4538	103.6445	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	910.4743	887.0238	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	225.4834	228.3250	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	563.0231	574.3351	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	113.1545	112.4693	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	69.6051	70.0487	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	23.7671	23.4604	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	43.7533	42.7939	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	273.8990	279.0240	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	921.7324	902.3993	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	567.3676	554.8340	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	57.4812	57.5491	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	313.1630	318.3758	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	939.0917	922.0067	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	611.1762	599.7309	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	50,000	259.9487	264.6701	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	69.7245	70.9706	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	349.6524	355.6467	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	956.6880	941.2444	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	647.0663	636.5599	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	82.2961	82.8487	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1820.4386	1797.1600	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	383.7890	390.0994	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	974.4311	958.5584	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	681.7520	670.7341	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	91.4231	91.6408	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	414.5152	420.3810	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	992.1936	975.9471	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	712.7669	701.1302	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	647.3459	655.6846	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	444.3238	437.8329	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	94.6256	97.5015	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	440.7038	445.9106	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	1005.9693	990.5497	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	737.0473	725.1536	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	187.6156	190.9664	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	16.44 Call	39,250	626.5430	616.8245	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	99.8288	103.2476	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	468.7813	473.2109	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	1030.8414	1014.4852	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	769.5123	757.3557	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	575.5581	581.5172	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	745.4863	733.6135	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	106.7594	106.6070	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	492.7400	496.8271	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	1043.0684	1026.3752	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	791.4462	778.7083	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	375.7565	369.7471	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	108.1103	111.9926	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	514.5690	518.1983	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1063.9519	1046.9365	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	818.8476	805.7379	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	109.6460	112.1809	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	535.5424	537.9901	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1081.9904	1062.8663	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	845.1418	829.6207	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	128.1389	128.4169	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	552.3196	554.1933	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1106.1549	1084.7952	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	874.3300	856.3948	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	138.5760	143.2535	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	569.1102	570.4692	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1130.4660	1106.4139	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	906.6111	885.5262	0.0000	0.0000	0	0.00		
			<u>819,603</u>					<u>20,000.00</u>	<u>0.00</u>	<u>20 886 410.00</u>	<u>0.00</u>
Total			949,072					20,784.00	11,606,480.00	31 603 316.00	131 187 232 234.50
Future											
Dec 2018	EUUS	Future	40	1.1575	1.1583	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	500	1.3119	1.3068	0.0000	0.0000	0	0.00		
			<u>500</u>					<u>0.00</u>	<u>0.00</u>	<u>168 921.00</u>	<u>2 173 503 224.00</u>
Total			500					0.00	0.00	168 921.00	2 173 503 224.00

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Dec 2018	ZAAD	Future	36,596	10.5203	10.5400	0.0000	0.0000	0	0.00
Mar 2019	ZAAD	Future	520	10.6652	10.6865	0.0000	0.0000	0	0.00
Jun 2019	ZAAD	Future	4,929	10.8070	10.8283	0.0000	0.0000	0	0.00
			<u>42,045</u>					<i>0.00</i>	<i>0.00</i>
		Total	42,045					0.00	0.00
									<i>3 738 882.00</i>
									<i>32 581 534 031.60</i>
Future									
Dec 2018	ZACA	Future	600	11.5244	11.5534	0.0000	0.0000	0	0.00
			<u>600</u>					<i>0.00</i>	<i>0.00</i>
		Total	600					0.00	0.00
									<i>137 653.00</i>
									<i>1 355 055 071.60</i>
Future									
Dec 2018	ZADK	Future	240	2.3297	2.3289	0.0000	0.0000	0	0.00
			<u>240</u>					<i>0.00</i>	<i>0.00</i>
		Total	240					0.00	0.00
									<i>12 335.00</i>
									<i>265 809 909.00</i>
Future									
Dec 2018	ZAEU	Future	109,996	17.2265	17.2076	17.3180	17.2117	65	1,121,593.20
Mar 2019	ZAEU	Future	36,646	17.5879	17.5709	0.0000	0.0000	0	0.00
Jun 2019	ZAEU	Future	5,256	17.9337	17.9161	0.0000	0.0000	0	0.00
Sep 2019	ZAEU	Future	6,834	18.3122	18.2957	0.0000	0.0000	0	0.00
			<u>158,732</u>					<i>65.00</i>	<i>1,121,593.20</i>
									<i>15 576 931.00</i>
									<i>223 950 514 812.50</i>
Option									
Mar 2019	ZAEU	15.60 Put	462	109.1238	105.7334	0.0000	0.0000	0	0.00
Mar 2019	ZAEU	16.00 Call	650	1758.8085	1740.2441	0.0000	0.0000	0	0.00
Mar 2019	ZAEU	17.33 Put	462	671.1044	675.8188	0.0000	0.0000	0	0.00
Mar 2019	ZAEU	19.65 Call	462	303.6391	301.1933	0.0000	0.0000	0	0.00
			<u>2,036</u>					<i>0.00</i>	<i>0.00</i>
		Total	160,768					65.00	1,121,593.20
									<i>26 371 495.00</i>
									<i>223 950 514 812.50</i>
Future									
Dec 2018	ZAFR	Future	1,648	15.0912	15.0835	0.0000	0.0000	0	0.00
Jun 2019	ZAFR	Future	150	15.7454	15.7391	0.0000	0.0000	0	0.00
			<u>1,798</u>					<i>0.00</i>	<i>0.00</i>
		Total	1,798					0.00	0.00
									<i>620 476.00</i>
									<i>6 666 400 751.60</i>
Future									
Dec 2018	ZAGB	Future	439,388	19.5248	19.4130	19.6015	19.4438	429	8,385,528.80
Mar 2019	ZAGB	Future	6,644	19.8629	19.7515	19.8559	19.8559	1,000	19,855,900.00
Jun 2019	ZAGB	Future	5,856	20.1820	20.0691	0.0000	0.0000	0	0.00
Sep 2019	ZAGB	Future	10,363	20.5262	20.4125	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
			462,251					1,429.00	28,241,428.80	12 812 583.00	217 964 532 673.20	
Option												
	Mar 2019	ZAGB	18.00 Put	500	240.1223	249.4401	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	20.00 Call	500	879.5174	818.2858	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	21.44 Call	500	441.1585	408.0360	0.0000	0.0000	0	0.00		
			1,500					0.00	0.00	1 775 613.00	0.00	
	Total		463,751					1,429.00	28,241,428.80	14 588 196.00	217 964 532 673.20	
Future												
	Dec 2018	ZAJY	Future	6,905	0.1315	0.1313	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	0.1452	0.1447	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	2.3210	2.2982	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	337	14.8827	14.8557	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUM	Future	10	15.0662	15.0408	0.0000	0.0000	0	0.00		
			347					0.00	0.00	153 038.00	176 882 116 960.00	
	Total		347					0.00	0.00	157 561.00	176 882 116 960.00	
Future												
	Dec 2018	ZAUS	Future	844,549	14.8827	14.8557	14.9855	14.8116	52,844	789,073,168.50		
	Mar 2019	ZAUS	Future	44,302	15.0662	15.0408	15.1600	15.1515	1,009	15,245,119.50		
	Jun 2019	ZAUS	Future	18,946	15.2401	15.2137	0.0000	0.0000	206	3,147,640.00		
	Sep 2019	ZAUS	Future	20,642	15.4243	15.3972	0.0000	0.0000	0	0.00		
	Mar 2020	ZAUS	Future	3,966	15.8053	15.7746	0.0000	0.0000	0	0.00		
			932,405					54,059.00	807,465,928.00	187 506 258.00	2 245 240 351 111.60	
Option												
	Dec 2018	ZAUS	11.64 Put	2,764	2.5947	2.4402	0.0000	0.0000	0	0.00		
	Dec 2018	ZAUS	11.75 Put	228,616	3.2613	3.0613	0.0000	0.0000	0	0.00		
	Dec 2018	ZAUS	11.90 Put	11,300	4.4268	4.1444	0.0000	0.0000	0	0.00		
	Dec 2018	ZAUS	12.00 Put	174,530	5.0116	4.6661	0.0000	0.0000	0	0.00		

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Dec 2018	ZAUS	12.02 Put	5,500	5.1375	4.7785	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	5.6743	5.2575	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	6.4285	5.9287	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	6.8440	6.2979	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	8.0615	7.3776	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2392.0882	2364.2517	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	9.3882	8.5517	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	11.0887	10.0545	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	11.8270	10.7068	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	12.9497	11.6979	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	16.8278	15.1241	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	1900.6796	1871.8424	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	17.9796	16.1424	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	19.2160	17.2368	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	20.5437	18.4125	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1706.2029	1676.7376	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	24.1482	21.6105	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1657.8509	1628.2020	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	25.1509	22.5020	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	27.6701	24.7450	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	28.0513	25.0846	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1468.1657	1440.1826	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	35.4657	34.4826	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1423.2306	1395.3065	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	40.5306	39.6065	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	52.3007	51.5643	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	63.4293	62.9227	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	66.4664	66.0281	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	74.5242	74.2798	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1182.3888	1155.2735	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	81.4666	81.3977	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1165.9728	1138.9502	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	500	83.2728	83.2502	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	102.9461	103.4662	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	1046.6231	1020.4617	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,200	1008.3907	982.5780	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	125.6907	126.8780	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	151.6773	153.6615	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	157.2774	159.6611	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	912.8286	888.4194	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	165.9319	168.9431	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	169.0066	172.1107	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.20 Call	51,000	864.3920	840.8547	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	181.6920	185.1547	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	194.9608	198.7988	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	831.0709	808.0039	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	215.9732	220.3956	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	779.6776	757.4041	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	226.9776	231.7041	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	767.1983	745.1345	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	234.4983	239.4345	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	249.9871	255.3440	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	736.6502	715.1157	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	712.8799	691.7792	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	1,200	678.3310	657.8992	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	295.6310	302.1992	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	300.0025	306.6831	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	623.6814	604.4033	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	340.9814	348.7033	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	618.4169	599.2552	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	613.1883	594.1433	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	587.5774	569.1255	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	374.8774	383.4255	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	572.6378	554.5439	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	410.5110	419.8961	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	548.4421	530.9492	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	415.7421	425.2492	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	525.1095	508.2203	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	442.4095	452.5203	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	507.0584	490.6507	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	502.6302	486.3421	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	498.2809	510.1909	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	441.2690	427.4050	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	20,700	558.5690	571.7050	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	437.4708	423.7269	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	408.1868	395.3995	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	404.6600	391.9922	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	387.4637	375.3796	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	688.2761	703.7646	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	722.4744	738.5212	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	757.3360	773.9310	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	319.9150	310.2530	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	295.7877	287.0462	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	290.6832	282.1370	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.50 Call	5,000	285.6660	277.3153	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	902.9660	921.6153	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	283.1907	274.9379	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	264.1680	256.6632	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	261.8839	254.4717	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	259.6204	252.2631	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	239.9901	233.2635	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	233.7518	227.2673	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1169.5808	1190.9386	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	210.4325	204.8642	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	199.6972	194.5561	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	184.6622	180.1238	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	167.8999	164.0397	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	163.6183	159.9297	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	155.4002	152.0468	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	150.1713	147.0306	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	113.4226	111.2803	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	91.4245	90.0906	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	76.5384	75.7312	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	2.4114	2.3719	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	11.0671	11.0805	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	28.8135	29.7068	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	30.7570	31.6607	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	56.2032	57.1318	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	57.8759	58.8017	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	64.9815	65.8863	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	69.7737	70.6622	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	76.9637	77.8224	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	80.2250	81.0686	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	91.9074	92.6934	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	106.3000	107.0028	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	120.8864	121.5025	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	127.1461	127.7213	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	135.3246	135.8709	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	4,000	143.9115	146.6450	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	162.0085	165.0719	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	166.7677	169.9108	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	171.6229	174.8467	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	179.0806	182.4247	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	189.3550	192.8667	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	208.2569	212.0715	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	219.5933	223.5832	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	14.00 Put	16,000	249.6589	254.1073	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	262.3805	267.0195	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	317.2896	322.7151	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	347.1723	353.0071	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	1121.0982	1101.6378	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	374.6620	382.1135	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	414.0387	422.1253	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	1018.4286	1001.4017	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	1007.6771	990.7957	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	441.4771	449.9957	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	455.5529	464.2845	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	469.8581	478.8069	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	514.1604	523.7540	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	560.4996	570.7374	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	603.3561	614.1683	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	608.8201	619.7068	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	614.3118	625.2650	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	788.2143	774.6184	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	728.9760	741.3342	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	777.3114	790.1509	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	783.4332	796.3477	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	704.3396	692.1410	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	820.6184	833.9646	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	826.8870	840.3073	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	903.7163	917.9849	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	606.3293	596.0886	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	603.1062	592.9307	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	590.4041	580.4956	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	584.1613	574.3850	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	577.9899	568.3409	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	542.4145	533.5347	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	501.2938	493.3422	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	480.8849	473.4484	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	10,000	454.4876	447.5918	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	425.4217	419.1359	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	390.6513	385.1023	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	375.4617	370.2448	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	340.5087	335.6408	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	337.2307	332.1633	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	279.8673	276.0677	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	278.4383	274.6734	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	271.4232	267.8106	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	17.08 Call	7,028	263.2661	259.8405	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	261.9366	258.5375	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	260.6118	257.2421	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	244.0847	241.0852	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	235.6893	232.8765	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	213.4973	211.1856	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	168.0354	166.7274	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	145.0761	145.3597	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	9.8812	9.4342	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	23.8647	25.3255	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	61.2872	63.5721	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	90.5364	93.1856	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	93.4805	96.1592	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	134.2659	137.2553	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	281.5190	284.9638	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	6,250	297.0197	300.6268	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1589.6895	1567.2269	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	1317.9864	1297.1203	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	1231.6004	1213.0088	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	596.3546	604.4487	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	1115.6716	1098.4600	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	827.3362	813.7844	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	6,250	803.9700	790.8144	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	747.2373	735.0690	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	711.9602	700.4321	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	689.5176	678.5062	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	329.4242	324.4698	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	16.4957	15.5956	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	39.4214	37.8446	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	378.9393	381.5833	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	399.5696	402.4492	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	442.7995	446.1812	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.14 Put	141,127	461.5919	465.1884	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	488.6700	492.5754	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	537.1650	541.6127	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.72 Put	1,200	714.9535	721.2493	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1094.3480	1103.3907	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.55 Call	30,000	1074.9662	1057.7873	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1207.0286	1217.0049	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	965.3058	949.8043	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	627.7865	617.9061	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	554.8273	545.9579	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	17.85 Call	2,700	521.7549	513.3648	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	17.93 Call	2,571	509.8521	501.6331	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.29 Call	81,930	460.6302	453.1477	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.47 Call	1,200	438.4681	431.3229	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.63 Call	33,715	423.3443	416.4763	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.67 Call	141,127	419.9056	413.1035	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	19.32 Call	33,151	371.2866	365.4422	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	11.89 Put	1,000	37.8784	38.5172	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	13.66 Put	1,000	322.7007	324.9016	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	17.38 Call	1,000	794.6182	776.5427	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	477.2617	463.7882	0.0000	0.0000	0	0.00	
			<u>7,838,094</u>					<u>0.00</u>	<u>0.00</u>	<u>60 258 743.00</u>
	Total		8,770,499					54,059.00	807,465,928.00	247 765 001.00
										2 245 240 351 111.60

Grand Total	10,529,413					76,337.00	848 435 430.00	338,242,915	3,115,309,972,114.72
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