



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 02-November-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
Nov 2018	DAEU	Future	37	16.3934	16.5770	0.0000	0.0000	0	0.00
			37					0.00	0.00
									801 399.00
									11 967 156 360.40
<b>Option</b>									
Aug 2019	DAEU	17.01 Put	31,200	881.6845	792.0684	0.0000	0.0000	0	0.00
Aug 2019	DAEU	19.65 Call	62,400	477.9434	524.9540	0.0000	0.0000	0	0.00
			93,600					0.00	0.00
		<b>Total</b>	<b>93,637</b>					<b>0.00</b>	<b>0.00</b>
									2 191 986.00
									11 967 156 360.40
<b>Future</b>									
Nov 2018	DAGB	Future	13	18.6247	18.8020	0.0000	0.0000	0	0.00
			13					0.00	0.00
		<b>Total</b>	<b>13</b>					<b>0.00</b>	<b>0.00</b>
									53 954.00
									889 067 608.60
<b>Future</b>									
Nov 2018	DAUS	Future	0	14.3063	14.4658	0.0000	0.0000	20,000	286,126,000.00
Nov 2018	DAUS	Future	70	14.2981	14.4740	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	24	14.3012	14.4776	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	308	14.3031	14.4794	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	179	14.3143	14.4902	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	368	14.3255	14.5009	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	461	14.3274	14.5027	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	4,665	14.3292	14.5045	0.0000	0.0000	2,828	40,671,120.00
Dec 2018	DAUS	Future	500	14.3422	14.5170	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	3,672	14.3512	14.5259	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	2,710	14.3855	14.5596	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.3891	14.5631	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.4379	14.6142	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	2,093	14.4397	14.6161	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	14.4626	14.6398	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	6,096	14.4896	14.6671	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	DAUS	Future	3,731	14.5380	14.7163	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,029	14.5416	14.7199	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.5488	14.7272	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.5991	14.7781	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.6551	14.8353	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.7112	14.8926	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.7674	14.9499	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.8263	15.0103	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.8818	15.0670	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.9354	15.1219	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.9994	15.1885	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.0625	15.2541	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.1215	15.3155	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.1846	15.3811	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.2477	15.4467	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.3026	15.5038	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.3718	15.5758	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.4858	15.6943	0.0000	0.0000	0	0.00		
			<u>115,136</u>					<u>22,828.00</u>	<u>326,797,120.00</u>	<u>10 787 926.00</u>	<u>132 210 944 171.90</u>

**Option**

Nov 2018	DAUS	11.90 Put	1,880	0.0000	0.0000	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	1.6247	6.0477	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	0.0176	0.0520	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.40 Put	20,000	214.6151	132.6117	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.34 Put	171	220.8260	144.2367	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.50 Call	171	123.9793	201.1427	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.0195	0.0000	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	0.0460	0.0327	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1088.1628	1263.9165	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.32 Call	15,000	200.0109	302.7835	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	77.7648	131.0440	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	73.9593	125.3210	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.78 Call	30,000	66.8552	114.5307	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	50.4459	89.0052	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	637.3459	499.6052	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.76 Call	4,000	133.0469	191.9647	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	8.8626	5.8511	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	83.7693	55.7315	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	96.5188	64.9885	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	421.5799	546.7727	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	247.6162	181.9121	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	302.0764	406.9313	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	14.80 Call	600	135.2967	192.5396	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	130.8761	186.6556	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	4.0778	6.9825	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	1.5349	2.1668	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1169.0185	1020.6979	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	129.8501	91.5903	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	295.1838	225.0271	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	700.6529	579.0270	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	1036.3908	894.7615	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	77.8815	54.0373	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	131.5301	93.6398	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	126.5542	171.7865	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	53.5258	75.7117	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	169.7679	125.5934	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	341.0750	269.1794	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	734.6428	618.6693	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	1057.3360	922.9667	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	29.7772	19.7779	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	40.3201	27.2638	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	271.7522	344.9894	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	244.5457	312.1018	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	23.3796	18.2083	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	160.8487	120.3897	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	494.0554	600.6054	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	343.3027	273.7366	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	799.8013	683.7975	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	25.5635	35.3286	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	12.0943	17.5086	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	25.1131	20.7813	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.88 Call	4,000	358.0154	427.1995	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	53.5268	45.7966	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	393.0602	323.7838	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	417.8283	345.8415	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	545.7360	643.1612	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	294.4533	353.0053	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	223.0591	269.0131	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	81.6452	67.8231	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	446.6771	374.6187	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	471.7005	397.2491	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	588.8531	679.0916	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	349.7318	407.8299	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	273.8306	320.3206	0.0000	0.0000	0	0.00

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Mar 2019	DAUS	14.00 Put	65,000	396.5172	330.9654	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.50 Put	65,000	650.4828	563.7423	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	109.4329	89.4140	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	493.8872	419.5173	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	518.9893	442.5098	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	627.1300	711.1713	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	395.9001	452.5932	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	320.8136	367.3072	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.04 Call	4,000	581.9096	654.4586	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	135.9202	109.0786	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1363.6338	1499.2392	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	535.9244	460.3879	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	561.0607	483.5766	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	660.4053	739.7303	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	437.2121	492.3422	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	365.2943	412.0179	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	158.0082	126.0924	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	572.1732	496.4963	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	597.4950	519.9786	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	691.3365	768.5111	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	476.5283	531.6848	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	403.8869	451.8191	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	882.0556	789.3708	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	283.6808	318.1043	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	174.6330	140.8956	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	601.1897	525.6294	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	626.6193	549.3035	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	715.5055	790.9714	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	507.6667	562.5680	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	435.6539	485.0505	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	303.7058	259.1011	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	424.3360	472.8860	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	191.3934	154.0746	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	631.6202	556.5069	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	657.1233	580.3153	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	747.6853	821.9297	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	545.2607	600.4666	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	474.0352	524.4570	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	791.4677	707.9863	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	531.1174	584.4049	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	208.2756	168.0737	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	657.3364	583.9576	0.0000	0.0000	0	0.00

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Aug 2019	DAUS	14.25 Put	250	682.8605	606.2405	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	768.9633	842.1921	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	572.7528	628.1979	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	501.2000	551.4410	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	271.5586	292.1013	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	223.2962	183.7498	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	679.4946	608.8120	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	704.9976	631.1323	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	796.7562	869.1350	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	603.3965	659.5883	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	529.6762	580.0160	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	238.4152	197.8262	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	701.8667	632.9775	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	727.3374	655.3964	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	816.5790	887.4668	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	627.7401	684.0866	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	556.5831	607.1346	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	255.0104	212.3559	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	724.2197	655.0674	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	748.2724	677.8486	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	845.7214	917.3913	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	658.8232	716.3635	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	589.3152	640.9069	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	272.3666	229.1481	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	745.7916	675.7150	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	769.9911	698.6869	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	875.7983	947.5925	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.05 Call	250	693.4210	751.9503	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.44 Call	250	625.3946	678.1710	0.0000	0.0000	0	0.00
			<u>920,839</u>					<u>0.00</u>	<u>0.00</u>
	<b>Total</b>		<b>1,035,975</b>					<b>22,828.00</b>	<b>326,797,120.00</b>
									<b>32 231 342.00</b>
									<b>132 210 944 171.90</b>
<b>Future</b>									
Dec 2018	EUUS	Future	40	1.1458	1.1446	0.0000	0.0000	0	0.00
			<u>40</u>					<u>0.00</u>	<u>0.00</u>
	<b>Total</b>		<b>40</b>					<b>0.00</b>	<b>0.00</b>
									<b>744 445.00</b>
									<b>8 445 126 755.00</b>
<b>Future</b>									
Dec 2018	GBUS	Future	250	1.3009	1.2974	0.0000	0.0000	0	0.00
			<u>250</u>					<u>0.00</u>	<u>0.00</u>
	<b>Total</b>		<b>250</b>					<b>0.00</b>	<b>0.00</b>
									<b>169 671.00</b>
									<b>2 183 289 974.00</b>

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<b>Future</b>									
Dec 2018	ZAAD	Future	23,992	10.1364	10.2593	0.0000	0.0000	4,252	44,191,296.00
Mar 2019	ZAAD	Future	421	10.2685	10.3940	0.0000	0.0000	0	0.00
Jun 2019	ZAAD	Future	4,932	10.3983	10.5259	0.0000	0.0000	0	0.00
			<u>29,345</u>					<u>4,252.00</u>	<u>44,191,296.00</u>
		<b>Total</b>	<b>29,345</b>					<b>4,252.00</b>	<b>44,191,296.00</b>
									3 762 995.00 32 832 134 828.10
									3 795 372.00 32 832 134 828.10
<b>Future</b>									
Dec 2018	ZACA	Future	500	10.9651	11.1187	0.0000	0.0000	0	0.00
Mar 2019	ZACA	Future	400	11.1118	11.2683	0.0000	0.0000	0	0.00
			<u>900</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>900</b>					<b>0.00</b>	<b>0.00</b>
									138 903.00 1 369 104 061.60
									138 903.00 1 369 104 061.60
<b>Future</b>									
Dec 2018	ZADK	Future	240	2.2068	2.2316	0.0000	0.0000	0	0.00
			<u>240</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>240</b>					<b>0.00</b>	<b>0.00</b>
									12 335.00 265 809 909.00
									12 335.00 265 809 909.00
<b>Future</b>									
Dec 2018	ZAEU	Future	139,225	16.4472	16.6305	16.5600	16.4799	3,266	54,021,383.30
Mar 2019	ZAEU	Future	36,294	16.7831	16.9730	16.8500	16.7515	156	2,623,643.50
Jun 2019	ZAEU	Future	4,907	17.1022	17.2982	0.0000	0.0000	0	0.00
Sep 2019	ZAEU	Future	8,262	17.4572	17.6576	0.0000	0.0000	0	0.00
			<u>188,688</u>					<u>3,422.00</u>	<u>56,645,026.80</u>
									15 650 953.00 225 189 919 647.00
<b>Option</b>									
Mar 2019	ZAEU	15.60 Put	462	202.9889	164.8171	0.0000	0.0000	0	0.00
Mar 2019	ZAEU	16.00 Call	650	1108.3971	1243.3229	0.0000	0.0000	0	0.00
Mar 2019	ZAEU	17.33 Put	462	1052.5252	935.7400	0.0000	0.0000	0	0.00
Mar 2019	ZAEU	19.65 Call	462	132.4787	154.7799	0.0000	0.0000	0	0.00
Sep 2019	ZAEU	18.60 Call	55,000	779.0367	850.1721	0.0000	0.0000	0	0.00
			<u>57,036</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>245,724</b>					<b>3,422.00</b>	<b>56,645,026.80</b>
									26 555 917.00 225 189 919 647.00
<b>Future</b>									
Dec 2018	ZAFR	Future	1,666	14.3921	14.5524	0.0000	0.0000	0	0.00
Jun 2019	ZAFR	Future	150	14.9975	15.1673	0.0000	0.0000	0	0.00
			<u>1,816</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>1,816</b>					<b>0.00</b>	<b>0.00</b>
									620 658.00 6 669 112 028.20
									620 658.00 6 669 112 028.20
<b>Future</b>									
Dec 2018	ZAGB	Future	460,277	18.6735	18.8504	18.8100	18.7000	520	9,787,500.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Mar 2019	ZAGB	Future	11,145	18.9821	19.1649	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,506	19.2740	19.4606	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	10,363	19.5951	19.7876	0.0000	0.0000	0	0.00	
			<u>487,291</u>					<u>520.00</u>	<u>9,787,500.00</u>	<u>12 874 181.00</u>
<b>Option</b>										<u>219 138 219 001.90</u>
Dec 2018	ZAGB	19.30 Call	200	214.5587	284.8464	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	18.00 Put	500	365.2990	336.4447	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	910.7157	836.4942	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	437.9685	516.7499	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	394.5213	466.6109	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	187.9173	228.4663	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>
	<b>Total</b>		<b>491,491</b>					<b>520.00</b>	<b>9,787,500.00</b>	<b>14 653 294.00</b>
										<b>219 138 219 001.90</b>
<b>Future</b>										
Dec 2018	ZAJY	Future	6,905	0.1275	0.1293	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>
	<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	0.1402	0.1404	0.0000	0.0000	0	0.00	
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</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	ZATR	Future	0	2.5828	2.5720	0.0000	0.0000	6,000	15,278,400.00	
			<u>0</u>					<u>6,000.00</u>	<u>15,278,400.00</u>	<u>395 239.00</u>
	<b>Total</b>		<b>0</b>					<b>6,000.00</b>	<b>15,278,400.00</b>	<b>395 239.00</b>
										<b>1 258 767 969.00</b>
<b>Future</b>										
Dec 2018	ZAUM	Future	307	14.3548	14.5294	14.4071	14.4071	5	7,203,550.00	
Mar 2019	ZAUM	Future	0	14.5219	14.6999	14.5712	14.5712	5	7,285,600.00	
			<u>307</u>					<u>10.00</u>	<u>14,489,150.00</u>	<u>153 515.00</u>
	<b>Total</b>		<b>307</b>					<b>10.00</b>	<b>14,489,150.00</b>	<b>158 038.00</b>
										<b>177 582 245 760.00</b>
<b>Future</b>										
Dec 2018	ZAUS	Future	810,412	14.3548	14.5294	14.4300	14.3076	53,790	775,364,070.60	
Mar 2019	ZAUS	Future	52,129	14.5219	14.6999	14.6075	14.4800	4,361	63,393,786.40	
Jun 2019	ZAUS	Future	18,901	14.6805	14.8612	14.7480	14.7476	1,438	21,193,181.40	
Sep 2019	ZAUS	Future	16,871	14.8522	15.0368	0.0000	0.0000	831	12,370,266.00	
Dec 2019	ZAUS	Future	9,870	15.0218	15.2118	0.0000	0.0000	1,340	20,150,250.00	

<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 2020	ZAUS	Future	3,966	15.2131	15.4107	0.0000	0.0000	0	0.00	
			<u>912,149</u>					<u>61,760.00</u>	<u>892,471,554.40</u>	<u>188 850 684.00</u>
										<u>2 264 923 547 304.60</u>
<b>Option</b>										
Dec 2018	ZAUS	11.64 Put	2,764	1.2741	1.2195	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	11.75 Put	228,616	1.4901	1.4155	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	11.90 Put	11,300	1.8508	1.7107	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.00 Put	174,530	2.1434	1.9451	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.02 Put	5,500	2.2078	1.9961	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.10 Put	8,580	2.4875	2.2156	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.20 Put	7,300	2.8932	2.5289	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.25 Put	3,300	3.1230	2.7041	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.38 Put	39,589	3.8209	3.2273	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.50 Call	228,616	1859.4218	2033.2143	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.50 Put	26,400	4.6218	3.8143	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.63 Put	39,589	5.7080	4.5928	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.68 Put	10,000	6.1996	4.9399	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.75 Put	1,000	6.9696	5.4778	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.95 Put	500	10.8013	7.4316	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.00 Call	6,000	1367.6989	1537.4398	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.00 Put	177,520	12.8989	8.0398	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.05 Put	1,500	15.3284	8.7071	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.10 Put	11,300	18.1272	9.4543	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.20 Call	7,100	1179.7979	1343.3617	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.22 Put	5,500	26.5987	15.0456	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.25 Call	10,000	1133.9556	1296.1978	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.25 Put	17,800	29.1556	16.7978	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.32 Put	13,650	35.8980	21.5305	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.33 Put	135,000	36.9548	22.2859	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.45 Call	500	956.4792	1112.4926	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.45 Put	4,080	51.6792	33.0926	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.50 Call	228,616	913.8205	1068.0455	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.50 Put	29,800	59.0205	38.6455	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.60 Put	66,000	76.0910	51.8741	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.68 Put	13,150	92.7128	64.7065	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.70 Put	7,300	97.4491	68.2514	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.75 Put	700	110.0246	77.7369	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.79 Put	10,000	120.8597	85.9866	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.80 Call	3,068	678.4773	817.5440	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.80 Put	500	123.6773	88.1440	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.90 Put	35,000	154.3309	112.2733	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.95 Call	39,589	576.1761	705.2960	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	14.00 Call	20,000	544.3902	669.9973	0.0000	0.0000	0	0.00	



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Dec 2018	ZAUS	14.00 Put	58,250	189.5902	140.5973	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	229.5667	173.3212	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	238.1321	180.4060	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	467.2851	583.4176	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	251.3356	191.3779	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	255.8311	195.1249	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	429.0902	539.9779	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	274.2902	210.5779	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	293.5040	226.7677	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	403.2238	510.3309	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	323.7274	252.4370	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	364.2630	465.2925	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	339.4630	265.8925	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	354.9825	454.4939	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	350.1825	275.0939	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	373.1477	294.0436	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	333.8004	428.2955	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	317.6532	408.1541	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	1,200	294.7200	379.2882	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	439.9200	349.8882	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	446.2441	355.2334	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	259.7748	335.8654	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,500	504.9748	406.4654	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	256.4974	331.8745	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	253.2560	327.9275	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	552.8088	449.4091	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	228.6561	297.8218	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	602.4060	494.3221	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	214.4306	280.2937	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	609.6306	500.8937	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	201.0418	263.7122	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	646.2418	534.3122	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	190.9069	251.1032	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	188.4501	248.0382	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	721.8167	603.8378	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	155.0720	206.1026	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	25,700	800.2720	676.7026	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	153.0642	203.5597	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	137.7588	184.2865	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	135.9368	182.0059	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	127.1740	171.0080	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Call	50	118.9646	160.6630	0.0000	0.0000	4,000	0.00

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Dec 2018	ZAUS	15.20 Put	50	964.1646	831.2630	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	1006.4785	871.5355	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	1049.2868	912.3926	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	94.7907	129.6067	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	84.0552	115.4415	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	81.8420	112.5091	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	79.6869	109.6494	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1224.8869	1080.2494	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	78.6317	108.2476	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	70.6866	97.6569	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	69.7532	96.4075	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	68.8325	95.1754	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	61.0882	84.7762	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	58.7123	81.5720	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1535.5974	1381.4460	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	49.6427	69.9449	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	45.3351	64.7859	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	5,000	39.5386	57.7738	0.0000	0.0000	50	0.00
Dec 2018	ZAUS	16.11 Call	38,250	33.4194	49.3621	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	31.9166	47.2803	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	29.1049	43.3677	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	27.3657	40.9359	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	16.6741	25.7302	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	11.4806	18.1341	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	8.4127	13.5485	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	3.6586	3.2831	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	13.8001	10.5402	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	45.7761	36.6301	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	48.6286	39.0147	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	85.3051	70.0414	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	87.6827	72.0720	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	97.7566	80.6940	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	104.5236	86.5036	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	117.1571	95.2116	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	122.8963	99.1568	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	143.4774	113.2874	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	161.6055	128.5993	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	168.7983	134.7141	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.40 Put	2,100	178.7257	143.1830	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	194.3625	156.5767	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	205.2848	165.9746	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	219.5127	178.2638	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.60 Put	9,570	234.3845	191.1626	0.0000	0.0000	5,570	0.00
Mar 2019	ZAUS	13.68 Put	14,200	259.5385	213.0945	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	266.0893	218.8283	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	272.7464	224.6640	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	282.9349	233.6126	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	296.8933	245.9043	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	323.8590	268.4151	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	340.0364	281.8574	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	382.4831	318.5419	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	400.2581	334.4899	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	475.8410	402.8073	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	516.2740	439.6551	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	748.5485	849.0422	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	553.0593	473.3365	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.42 Put	2,100	591.1379	508.3492	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	602.2507	518.5932	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	607.8454	523.7567	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	666.6821	759.2987	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	658.0993	749.8592	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	636.1993	549.9592	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	653.7493	565.9971	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	671.5261	582.2677	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	726.1621	632.4470	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	782.7118	684.9353	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	827.9689	727.3902	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	834.5214	733.5499	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	841.0991	739.7330	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	847.6951	745.9393	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.99 Call	100	481.0940	551.6474	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	200	478.0231	548.2108	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	984.0443	874.7742	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1026.5087	915.1030	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1040.8154	928.7102	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1047.9951	935.5441	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	428.8049	492.9795	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1091.4690	976.9655	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1098.7763	983.9378	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	415.3476	0.0000	0.0000	0.0000	2,785	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1188.1206	1069.0816	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	359.6987	414.1648	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	357.4766	411.6375	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	348.7317	401.7037	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	15.52 Call	1	344.4478	396.8329	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	340.2219	392.0262	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	316.0439	364.4964	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	288.4878	333.0414	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	285.0232	329.0805	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	274.9105	317.5150	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.98 Call	2,100	260.1747	301.0181	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	10,000	256.8788	297.4848	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	236.5081	275.6465	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	212.4604	248.1836	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	202.0752	236.2040	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	178.4756	208.9177	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	176.2898	206.3837	0.0000	0.0000	50	0.00
Mar 2019	ZAUS	16.96 Call	12,600	141.6428	166.1522	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	140.7973	165.1670	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	136.6534	160.3408	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	131.8638	154.7603	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	131.0828	153.8511	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	130.3090	152.9479	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	120.7095	141.7457	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	115.8786	136.1049	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	104.7671	121.3582	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	85.7795	96.7729	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	74.3519	83.4592	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	8.6138	7.6871	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	51.2200	37.3591	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	115.2972	90.3796	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	161.3802	130.0236	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	165.8957	133.9558	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	226.7438	187.5471	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	419.7272	362.5822	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	439.5223	380.6425	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1182.1224	1299.5747	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	963.0354	1061.0395	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	893.5833	986.0531	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	822.4293	732.5126	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	798.5074	883.3699	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,000	700.3849	776.5360	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	551.5676	612.7508	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	509.0669	565.9049	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	482.8638	536.9734	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	466.2813	518.6459	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>		
Jun 2019	ZAUS	17.96 Call	8,203	207.9582	230.6678	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	16.1429	15.1332	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	101.6905	78.4099	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.91 Put	81,930	537.0200	477.4218	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	562.4133	501.0759	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.09 Put	33,715	615.2026	550.3822	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.14 Put	141,127	639.3262	571.7119	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	674.3762	602.3416	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.33 Put	33,151	736.6327	657.8843	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	956.9112	866.3935	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1379.8204	1273.6690	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1505.3474	1394.8549	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	713.8981	780.2934	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	448.1093	492.0178	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	392.7637	431.3040	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	369.0345	403.9599	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	361.9521	394.1437	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.29 Call	81,930	332.9872	359.2489	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	320.1101	345.0199	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	309.4682	333.2586	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.67 Call	141,127	306.9178	330.4397	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	269.7355	290.6532	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	53.7286	48.3996	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	500.4090	442.9514	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	598.6907	650.1497	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	331.6039	371.7529	0.0000	0.0000	0	0.00		
			<u>8,190,021</u>					<u>12,455.00</u>	<u>0.00</u>	<u>60 886 297.00</u>	<u>0.00</u>
	<b>Total</b>		<b>9,102,170</b>					<b>74,215.00</b>	<b>892,471,554.40</b>	<b>249 736 981.00</b>	<b>2 264 923 547 304.60</b>
	<b>Grand Total</b>		<b>11,010,979</b>					<b>111,247.00</b>	<b>1 359 660 047.20</b>	<b>341,628,694</b>	<b>3,141,412,167,618.23</b>