



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 23-August-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Oct 2018	CC01	Future	25,000	540.2252	537.7932	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>
		<b>Total</b>	<b>25,000</b>					<b>0.00</b>	<b>0.00</b>	<b>25 000.00</b>	<b>7 830 750.00</b>
<b>Future</b>											
Sep 2018	DAEU	Future	34	16.5712	16.6190	0.0000	0.0000	0	0.00		
			<u>34</u>					<u>0.00</u>	<u>0.00</u>	<u>801 260.00</u>	<u>11 964 751 196.80</u>
<b>Option</b>											
Aug 2019	DAEU	16.03 Put	31,200	406.7884	400.2567	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	31,200	477.9357	467.8315	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	779.4240	794.7975	0.0000	0.0000	0	0.00		
			<u>124,800</u>					<u>0.00</u>	<u>0.00</u>	<u>1 143 987.00</u>	<u>0.00</u>
		<b>Total</b>	<b>124,834</b>					<b>0.00</b>	<b>0.00</b>	<b>1 945 247.00</b>	<b>11 964 751 196.80</b>
<b>Future</b>											
Sep 2018	DAGB	Future	14	18.4351	18.5621	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	3	18.4909	18.6181	0.0000	0.0000	0	0.00		
			<u>17</u>					<u>0.00</u>	<u>0.00</u>	<u>53 772.00</u>	<u>882 254 516.30</u>
		<b>Total</b>	<b>17</b>					<b>0.00</b>	<b>0.00</b>	<b>261 085.00</b>	<b>882 254 516.30</b>
<b>Future</b>											
Aug 2018	DAUS	Future	3,299	14.2947	14.3043	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	14.3006	14.3100	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	300	14.3063	14.3158	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,863	14.3478	14.3578	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	14.3554	14.3654	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	14.3839	14.3938	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.3990	14.4090	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.4066	14.4167	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	3,815	14.4104	14.4206	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	Future	55	14.4123	14.4225	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.4351	14.4456	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	420	14.4408	14.4514	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.4655	14.4764	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	7,004	14.4674	14.4783	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,387	14.5266	14.5372	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.5305	14.5410	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.5839	14.5942	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	14.5858	14.5961	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.6107	14.6208	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	14.6393	14.6495	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	14.6913	14.7021	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.7029	14.7138	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.7568	14.7683	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.8165	14.8288	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.8770	14.8898	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.9375	14.9507	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	15.0012	15.0149	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.0661	15.0795	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.1287	15.1420	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	15.1978	15.2110	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.2648	15.2777	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.3275	15.3402	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.3944	15.4070	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.4614	15.4738	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.5197	15.5319	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.5932	15.6052	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.7142	15.7258	0.0000	0.0000	0	0.00		
			<u>119,050</u>					<u>0.00</u>	<u>0.00</u>	<u>10 542 029.00</u>	<u>128 628 412 808.60</u>
<b>Option</b>											
Aug 2018	DAUS	14.50 Put	20,000	231.7136	255.6910	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.57 Call	2,500	82.3876	96.2604	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.59 Call	2,500	77.8483	91.3303	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.74 Call	2,500	50.5106	61.0821	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.74 Put	7,500	497.7106	498.7821	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.00 Put	500	2.0246	3.1299	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.65 Call	500	661.0782	669.9388	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	33.1170	33.3823	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.25 Put	250	165.4080	172.6196	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.42 Call	250	137.9974	153.9676	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	2.1825	3.3182	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	0.7925	1.3199	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 2018	DAUS	13.43 Put	10,000	11.7323	14.4631	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.44 Put	15,000	11.9920	14.8117	0.0000	0.0000	0	0.00
Sep 2018	DAUS	12.90 Put	100	4.8350	5.1599	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.09 Put	600	6.9958	7.7960	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.32 Call	600	999.5015	1010.8412	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.45 Call	100	873.2836	885.5557	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Call	100	561.3555	576.8963	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.90 Call	600	485.7738	501.8548	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	20.6565	21.8091	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	15.6825	14.5034	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	699.2967	711.9081	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	137.5696	140.2242	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	322.7157	325.6853	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.54 Call	250	301.7369	313.6443	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	40.3030	43.1958	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	20.3588	21.9066	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	61.8357	61.9951	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	674.8255	684.7622	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	48.8600	48.6695	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	226.8457	226.2964	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	757.7613	767.3689	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	427.0394	426.2651	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	418.0022	426.4916	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	100.9468	103.6819	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	66.8236	68.5818	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	12.3717	11.9535	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	260.5921	258.9934	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	88.2381	90.0239	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	3.8600	3.8164	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	10.7106	10.4500	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1325.1973	1335.3782	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	470.4830	477.4606	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	463.8338	470.7440	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	416.9537	423.3602	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	866.1537	861.9602	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	442.1371	448.5431	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	533.5043	539.9548	0.0000	0.0000	10,200	0.00
Nov 2018	DAUS	13.00 Put	500	83.0164	84.8509	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	288.4435	285.9207	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	797.9429	805.8709	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	496.1451	492.9068	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	489.9942	496.0633	0.0000	0.0000	0	0.00

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Nov 2018	DAUS	16.70 Call	500	151.5620	152.4885	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	106.6847	106.7830	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	251.4556	250.5031	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	328.3861	326.9652	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	448.2661	453.9640	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	311.5506	315.2210	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	141.5765	141.7201	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	164.7769	164.7989	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	615.5476	622.8973	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	583.4242	590.4949	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	113.5234	113.8942	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	330.6844	330.0286	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	832.2170	841.0903	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	541.3566	539.5463	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	977.2550	973.3489	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	187.9698	189.6937	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	138.9977	139.7183	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	81.3220	81.5658	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	140.3031	141.3400	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	582.6765	581.9459	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	859.1021	868.3002	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	585.3819	592.5533	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	161.8224	162.9667	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	614.4963	614.1256	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	884.2050	893.2455	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	622.8454	630.1057	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	178.2692	179.6207	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	641.3990	641.2136	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	906.7217	915.6307	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	654.7270	661.3927	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	193.2319	194.5791	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1608.1629	1622.0721	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	666.2880	666.2976	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	927.4605	936.1474	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	685.1847	691.2096	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	207.5733	204.5878	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	689.8537	688.5185	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	947.2483	954.5964	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	713.4642	717.9393	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	216.7278	215.0532	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	708.2455	707.3922	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	962.7632	969.7493	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	15.96 Call	250	736.1495	739.8979	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	372.9149	374.6020	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	641.5493	643.5095	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	222.4470	227.2937	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	727.5350	727.8003	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	986.6969	993.1957	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	766.2836	769.2659	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	860.3642	859.1011	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	746.6023	748.7077	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	227.8780	240.4945	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	745.6201	745.7231	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	1003.0170	1008.9143	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	789.2565	791.6258	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	246.8667	256.2062	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	766.4671	765.4623	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1035.7655	1039.4217	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	825.3570	826.3091	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	262.8646	267.6352	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	787.2410	783.1159	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1060.0097	1061.8749	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	854.6958	854.2426	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	279.3293	281.1555	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	803.9855	798.1201	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1087.3811	1087.6821	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	884.4821	882.8702	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	296.6121	295.3123	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	820.7878	812.9160	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1115.2898	1113.8225	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	917.7140	914.8068	0.0000	0.0000	0	0.00		
			<u>471,310</u>					<u>10,200.00</u>	<u>0.00</u>	<u>19 972 227.00</u>	<u>0.00</u>
		<b>Total</b>	<b>590,360</b>					<b>10,200.00</b>	<b>0.00</b>	<b>30 514 256.00</b>	<b>128 628 412 808.60</b>
<b>Option</b>											
Sep 2018	DAYJ	8.26 Call	25,000	86.8182	96.5650	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>50 000.00</u>	<u>0.00</u>
		<b>Total</b>	<b>25,000</b>					<b>0.00</b>	<b>0.00</b>	<b>50 000.00</b>	<b>0.00</b>
<b>Future</b>											
Sep 2018	EUUS	Future	2,899	1.1589	1.1615	0.0000	0.0000	0	0.00		
			<u>2,899</u>					<u>0.00</u>	<u>0.00</u>	<u>732 488.00</u>	<u>8 305 732 647.00</u>
		<b>Total</b>	<b>2,899</b>					<b>0.00</b>	<b>0.00</b>	<b>732 488.00</b>	<b>8 305 732 647.00</b>

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<b>Future</b>											
Sep 2018	GBUS	Future	25	1.2843	1.2921	0.0000	0.0000	0	0.00		
			25					0.00	0.00	167 364.00	2 153 117 002.00
		<b>Total</b>	<b>25</b>					<b>0.00</b>	<b>0.00</b>	167 364.00	2 153 117 002.00
<b>Future</b>											
Sep 2018	ZAAD	Future	11,333	10.4227	10.5399	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	11,820	10.5482	10.6664	0.0000	0.0000	0	0.00		
Mar 2019	ZAAD	Future	510	10.6884	10.8076	10.7550	10.7550	5	53,775.00		
Jun 2019	ZAAD	Future	4,929	10.8241	10.9458	0.0000	0.0000	0	0.00		
			28,592					5.00	53,775.00	3 689 269.00	32 047 051 493.50
		<b>Total</b>	<b>28,592</b>					<b>5.00</b>	<b>53,775.00</b>	3 721 646.00	32 047 051 493.50
<b>Future</b>											
Dec 2018	ZACA	Future	590	11.1334	11.1524	11.1500	11.1500	10	111,500.00		
			590					10.00	111,500.00	137 633.00	1 354 820 552.10
		<b>Total</b>	<b>590</b>					<b>10.00</b>	<b>111,500.00</b>	137 633.00	1 354 820 552.10
<b>Future</b>											
Sep 2018	ZADK	Future	245	2.2354	2.2409	0.0000	0.0000	0	0.00		
Dec 2018	ZADK	Future	235	2.2794	2.2851	0.0000	0.0000	0	0.00		
			480					0.00	0.00	12 085.00	259 978 669.00
		<b>Total</b>	<b>480</b>					<b>0.00</b>	<b>0.00</b>	12 085.00	259 978 669.00
<b>Future</b>											
Sep 2018	ZAEU	Future	97,873	16.6041	16.6519	16.7480	16.5500	113	1,890,493.30		
Dec 2018	ZAEU	Future	37,775	16.9140	16.9664	16.9560	16.9560	30	508,680.00		
Mar 2019	ZAEU	Future	4,716	17.2643	17.3175	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	17.5988	17.6553	0.0000	0.0000	0	0.00		
			145,620					143.00	2,399,173.30	15 231 281.00	217 867 680 790.80
<b>Option</b>											
Sep 2018	ZAEU	13.50 Put	29,734	0.3782	0.3934	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	57,090	1.9475	1.8090	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	63.8523	62.6266	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	275.4115	307.4567	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	4.7382	6.2810	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	16.00 Call	650	1618.4108	1664.4176	0.0000	0.0000	0	0.00		
			290,856					0.00	0.00	8 025 012.00	0.00
		<b>Total</b>	<b>436,476</b>					<b>143.00</b>	<b>2,399,173.30</b>	23 256 293.00	217 867 680 790.80
<b>Future</b>											

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Sep 2018	ZAFR	Future	1,975	14.5769	14.6097	0.0000	0.0000	0	0.00	
Dec 2018	ZAFR	Future	770	14.8634	14.8997	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	15.4979	15.5373	0.0000	0.0000	0	0.00	
			<u>2,895</u>					<i>0.00</i>	<i>0.00</i>	
		<b>Total</b>	<b>2,895</b>					<b>0.00</b>	<b>0.00</b>	
									<i>616 745.00</i>	
									<i>6 609 022 930.80</i>	
<b>Future</b>										
Sep 2018	ZAGB	Future	197,756	18.4009	18.5247	0.0000	0.0000	0	0.00	
Dec 2018	ZAGB	Future	205,083	18.6872	18.8161	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	Future	4,932	19.0083	19.1402	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	6,156	19.3126	19.4480	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	4,645	19.6495	19.7886	0.0000	0.0000	0	0.00	
			<u>418,572</u>					<i>0.00</i>	<i>0.00</i>	
									<i>12 175 725.00</i>	
									<i>205 445 539 829.00</i>	
<b>Option</b>										
Mar 2019	ZAGB	18.00 Put	500	562.0272	523.9513	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	406.9847	435.8905	0.0000	0.0000	0	0.00	
			<u>1,000</u>					<i>0.00</i>	<i>0.00</i>	
		<b>Total</b>	<b>419,572</b>					<b>0.00</b>	<b>0.00</b>	
									<i>13 950 838.00</i>	
									<i>205 445 539 829.00</i>	
<b>Future</b>										
Sep 2018	ZAJY	Future	6,873	0.1290	0.1300	0.0000	0.0000	0	0.00	
			<u>6,873</u>					<i>0.00</i>	<i>0.00</i>	
		<b>Total</b>	<b>6,873</b>					<b>0.00</b>	<b>0.00</b>	
									<i>1 001 040.00</i>	
									<i>11 183 195 529.30</i>	
<b>Future</b>										
Sep 2018	ZAKS	Future	562	0.1419	0.1419	0.0000	0.0000	0	0.00	
Jun 2019	ZAKS	Future	1,628	0.1412	0.1405	0.0000	0.0000	0	0.00	
			<u>2,190</u>					<i>0.00</i>	<i>0.00</i>	
		<b>Total</b>	<b>2,190</b>					<b>0.00</b>	<b>0.00</b>	
									<i>36 428.00</i>	
									<i>491 517 260.00</i>	
<b>Future</b>										
Sep 2018	ZATR	Future	5,270	2.3191	2.3398	0.0000	0.0000	0	0.00	
			<u>5,270</u>					<i>0.00</i>	<i>0.00</i>	
		<b>Total</b>	<b>5,270</b>					<b>0.00</b>	<b>0.00</b>	
									<i>341 969.00</i>	
									<i>1 134 767 971.00</i>	
<b>Future</b>										
Sep 2018	ZAUM	Future	343	14.3271	14.3368	0.0000	0.0000	33	47,195,500.00	
Dec 2018	ZAUM	Future	75	14.4942	14.5049	0.0000	0.0000	0	0.00	
			<u>418</u>					<i>33.00</i>	<i>47,195,500.00</i>	
		<b>Total</b>	<b>418</b>					<b>33.00</b>	<b>47,195,500.00</b>	
									<i>152 401.00</i>	
									<i>175 921 134 620.00</i>	

<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>		
<b>Future</b>											
Sep 2018	ZAUS	Future	510,052	14.3271	14.3368	14.4800	14.2690	97,246	1,396,134,243.70		
Dec 2018	ZAUS	Future	274,278	14.4942	14.5049	14.6217	14.4401	9,625	139,601,572.90		
Mar 2019	ZAUS	Future	8,595	14.6740	14.6845	14.7724	14.7724	10	147,724.00		
Jun 2019	ZAUS	Future	20,510	14.8438	14.8564	14.8921	14.8852	1,300	19,354,300.00		
Sep 2019	ZAUS	Future	10,138	15.0315	15.0451	0.0000	0.0000	0	0.00		
			<u>823,573</u>					<u>108,181.00</u>	<u>1,555,237,840.60</u>	<u>181 906 889.00</u>	<u>2 160 997 279 794.00</u>
<b>Option</b>											
Sep 2018	ZAUS	11.48 Put	5,200	0.2170	0.3152	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.50 Put	45,000	0.2249	0.3287	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.60 Put	2,000	0.2952	0.4102	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.75 Put	93,314	0.4428	0.5721	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.85 Put	48,200	0.5795	0.7148	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.90 Put	3,000	0.6626	0.7991	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.00 Put	13,300	0.8655	0.9994	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.25 Call	500	2078.7787	2088.5540	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.25 Put	40,000	1.6787	1.7540	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.30 Put	100	1.9147	1.9642	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.38 Put	60,000	2.3615	2.3550	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.50 Call	4,600	1830.3294	1839.8954	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.50 Put	44,000	3.2294	3.0954	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.58 Put	8,000	3.9740	3.7171	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.61 Put	13,231	4.2944	3.9817	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.65 Put	1,550	4.7613	4.3647	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.77 Call	5,200	1563.5781	1572.5544	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.80 Call	50	1534.0938	1542.9674	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.80 Put	500	6.9938	6.1674	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.85 Put	750	7.9430	6.9236	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.00 Call	7,500	1338.8996	1347.4598	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.00 Put	70,000	11.7996	10.6598	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.10 Put	2,500	15.3763	14.4786	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.20 Call	4,000	1147.0462	1156.2676	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.20 Put	4,500	19.9462	19.4676	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.22 Put	10,000	20.9996	20.6302	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.25 Call	1,250	1099.7771	1109.2887	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.25 Put	74,064	22.6771	22.4887	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.30 Call	500	1052.8502	1062.7122	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.50 Call	500	869.3580	881.3247	0.0000	0.0000	1,500	0.00		
Sep 2018	ZAUS	13.60 Call	26,000	780.7850	794.2757	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.60 Put	4,000	53.6850	57.4757	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.65 Call	1,464	737.4911	751.8627	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.66 Call	100	729.4766	743.9041	0.0000	0.0000	0	0.00		



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Sep 2018	ZAUS	14.00 Call	60,000	486.7080	502.2442	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	12,000	159.6080	165.4442	0.0000	0.0000	500	0.00
Sep 2018	ZAUS	14.20 Call	500	372.9910	388.2620	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.50 Call	500	245.2373	258.8939	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	185.0858	197.1693	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	121.0346	130.6036	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Put	50	793.9346	793.8036	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	27.9007	31.3539	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	24.7074	27.7912	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	20.7498	23.3618	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	15.9416	17.9586	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	13.0911	12.9032	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	15.6984	15.5029	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	20.0019	19.7997	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	23.4267	23.2231	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	24.1709	23.9674	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	27.3622	27.1610	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	31.8731	31.6770	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	34.3658	34.1734	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	41.6651	41.4885	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2043.7730	2054.3187	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	49.5730	49.4187	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	59.5856	59.4626	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	63.8780	63.7697	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	70.3354	70.2485	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	91.9599	91.9495	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1592.3750	1603.0852	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	146,370	98.1750	98.1852	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	104.7404	0.0000	0.0000	0.0000	1,500	0.00
Dec 2018	ZAUS	13.10 Put	11,300	114.0196	114.0103	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1428.5044	1439.0917	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	138.6452	138.5114	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1389.5389	1400.0670	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	145.3389	145.1670	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	161.8155	161.5542	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	164.2704	163.9952	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1239.9087	1250.1510	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	195.7087	195.2510	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1204.1125	1214.2725	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	30,500	209.9125	209.3725	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	240.3188	239.5972	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	273.4301	272.5051	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.71 Put	30	276.8930	275.9466	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	291.0138	289.9801	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1016.0924	1025.6942	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	305.5756	304.4518	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1003.4950	1013.0511	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	309.2950	308.1511	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	916.9202	926.1009	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,400	889.5264	898.5771	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	34,500	395.3264	393.6771	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	442.7042	440.7832	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	452.5196	450.5431	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	821.6695	830.3666	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	467.4532	465.3942	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	472.4869	470.3981	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	787.1019	795.5996	0.0000	0.0000	1,000	0.00
Dec 2018	ZAUS	14.20 Put	13,650	492.9019	490.6996	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	513.7564	511.4361	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	763.2373	771.5897	0.0000	0.0000	1,000	0.00
Dec 2018	ZAUS	14.25 Put	700	519.0373	516.6897	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	726.4535	734.5728	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	562.2535	559.6728	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	717.5219	725.5823	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	573.3219	570.6823	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	704.3202	712.2936	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	678.6150	686.4105	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	653.8171	661.4340	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	1,000	659.6171	656.5340	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	614.8599	622.1545	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	500	720.6599	717.2545	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	611.0952	618.3584	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	607.3539	614.5858	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	588.9957	596.0681	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	764.7957	761.1681	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	578.2584	585.2308	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	560.8053	567.6191	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	543.8996	550.5556	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	849.6996	845.6556	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	530.7628	537.2928	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	10,100	481.4765	487.5107	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	478.5631	484.5644	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	455.9336	461.6938	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	453.1873	458.9184	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.15 Call	27,030	439.7243	445.3082	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	1132.5020	1127.2378	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	385.8136	390.6713	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	366.0432	370.5830	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	361.8109	366.2828	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,500	357.6352	362.0368	0.0000	0.0000	3,500	0.00
Dec 2018	ZAUS	15.51 Call	24,570	355.5669	359.9351	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	339.5210	343.6235	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	335.6435	339.6789	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	318.8238	322.5739	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	313.4403	317.0987	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	292.9626	296.2617	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	283.3280	286.4552	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	269.0100	271.9029	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	247.6922	250.2496	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	194.4131	196.1152	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	8.5711	8.9792	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	19.7633	17.6308	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	79.9094	77.2730	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	85.2241	82.6937	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	151.2175	150.5372	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	172.6380	172.6766	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	297.6940	299.7907	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	400.0382	401.8285	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	443.6971	445.3249	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	460.2330	461.7910	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	506.3167	506.0560	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	647.4069	646.3584	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	1032.1423	1041.5355	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	735.6484	734.1118	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	952.5326	961.3702	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	787.5893	785.7716	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	964.4830	962.1899	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	768.9381	776.8437	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	700.7094	708.1699	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	620.2911	627.0094	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	617.6444	624.3431	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	596.9765	603.4808	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	515.8080	521.4974	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	384.5740	388.7252	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	317.5842	320.3591	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	7,000	316.3530	319.1000	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	17.50 Call	16,000	270.6522	272.4149	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	18.2207	17.6213	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	60.5619	59.7596	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	144.8392	144.8830	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	204.5522	205.3658	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	287.5083	289.4327	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	503.3530	504.6147	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	6,250	524.2287	525.3344	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	500	1431.2136	1444.5866	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	1215.0625	1226.1330	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	1146.9442	1157.0182	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	1053.0199	1061.5628	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	810.3815	815.7352	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	6,250	790.8268	795.8970	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	743.4576	747.8479	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	713.8643	717.8156	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	24.5069	24.3656	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	109.2677	122.4878	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	625.1284	624.5437	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.55 Call	30,000	1038.4232	1043.3914	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	945.1816	948.8143	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	651.3963	650.0169	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	72.3939	79.4070	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	540.7673	532.9553	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	815.3408	812.6406	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	528.5523	524.8388	0.0000	0.0000	0	0.00		
			<u>3,990,845</u>					<u>9,000.00</u>	<u>0.00</u>	<u>53 704 585.00</u>	<u>0.00</u>
	<b>Total</b>		<b>4,814,418</b>					<b>117,181.00</b>	<b>1,555,237,840.60</b>	<b>235 611 474.00</b>	<b>2 160 997 279 794.00</b>
	<b>Grand Total</b>		<b>6,485,909</b>					<b>127,572.00</b>	<b>1 604 997 788.90</b>	<b>321,876,793</b>	<b>3,007,979,182,496.52</b>