



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 21-August-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Oct 2018	CC01	Future	25,000	530.1130	553.0011	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	16.5849	16.7973	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	432.5207	416.8074	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	31,200	505.2057	477.4918	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	821.2656	938.9424	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	18.5856	18.8104	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	3	18.6419	18.8672	0.0000	0.0000	1	18,690.00		
			<u>17</u>					<u>1.00</u>	<u>18,690.00</u>	<u>53 772.00</u>	<u>882 254 516.30</u>
		<b>Total</b>	<b>17</b>					<b>1.00</b>	<b>18,690.00</b>	<b>261 085.00</b>	<b>882 254 516.30</b>
<b>Future</b>											
Aug 2018	DAUS	Future	3,299	14.3694	14.6617	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	14.3752	14.6677	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	300	14.3810	14.6737	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,863	14.4233	14.7173	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	14.4310	14.7251	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	14.4595	14.7542	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.4748	14.7698	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.4825	14.7776	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	3,808	14.4864	14.7816	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	14.4883	14.7835	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.5116	14.8071	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	420	14.5174	14.8129	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.5424	14.8384	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	7,004	14.5443	14.8403	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,387	14.6035	14.9009	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.6074	14.9048	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.6608	14.9594	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	14.6627	14.9614	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.6876	14.9868	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	14.7164	15.0163	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	14.7693	15.0704	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.7811	15.0825	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.8361	15.1385	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.8971	15.2009	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.9589	15.2640	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	15.0207	15.3271	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	15.0866	15.3945	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.1528	15.4616	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.2167	15.5264	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	15.2873	15.5980	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.3556	15.6673	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.4196	15.7321	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.4879	15.8015	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.5563	15.8708	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.6158	15.9312	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.6908	16.0072	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.8143	16.1324	0.0000	0.0000	0	0.00		
			<u>119,043</u>					<u>0.00</u>	<u>0.00</u>	<u>10 542 022.00</u>	<u>128 628 311 189.60</u>
<b>Option</b>											
Aug 2018	DAUS	13.21 Put	50,000	0.4987	0.2696	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.50 Put	20,000	228.7975	116.0265	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.57 Call	2,500	135.5339	287.1952	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.59 Call	2,500	129.6195	277.3514	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.74 Call	2,500	92.2354	212.2060	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.74 Put	7,500	464.7354	292.5060	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.00 Put	500	4.2313	2.8991	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.65 Call	500	734.8469	1022.2064	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	32.4363	13.8753	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.25 Put	250	162.2590	80.5180	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	14.42 Call	250	200.2391	380.5900	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	5.1334	14.6834	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>
Aug 2018	DAUS	16.57 Call	500	2.0352	5.9047	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.43 Put	10,000	19.8378	13.1759	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.44 Put	15,000	20.2965	13.4857	0.0000	0.0000	0	0.00
Sep 2018	DAUS	12.90 Put	100	6.8210	3.5079	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.09 Put	600	10.6185	5.7269	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.32 Call	600	1080.5911	1366.0237	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.45 Call	100	956.6099	1240.3672	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Call	100	643.2944	911.8611	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.90 Call	600	566.9038	821.9228	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	24.5796	11.8143	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	16.3832	16.9952	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	781.9310	1031.2689	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	144.5254	98.0608	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	321.1813	232.6665	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.54 Call	250	365.4019	539.8198	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	59.4751	110.6347	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	32.8481	65.4207	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	70.5800	54.0494	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	754.0633	977.0567	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	57.8950	49.4244	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	229.8652	177.0407	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	835.3265	1065.8590	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	423.6291	332.2724	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	480.2628	650.5025	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	126.9329	194.0095	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	85.9929	135.0040	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	13.6239	10.0239	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	261.9057	203.5409	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	109.8720	167.7393	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	4.9579	4.5953	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	11.5334	9.2780	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1407.3842	1680.4489	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	529.3591	700.2550	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	522.2338	691.6105	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	471.7873	630.2796	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	844.3873	707.3796	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	497.9244	660.8213	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	11,900	593.2935	0.0000	0.0000	0.0000	23,800	0.00
Nov 2018	DAUS	13.00 Put	500	91.7333	76.2817	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	287.6626	232.5746	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	869.8002	1086.3695	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	488.0570	397.0033	0.0000	0.0000	0	0.00

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Nov 2018	DAUS	14.82 Call	250	546.3350	712.7541	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	175.9059	249.6764	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	124.7111	180.0392	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	253.5426	204.6047	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	328.0026	266.4554	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	500.6412	652.4265	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	352.2135	469.0924	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	146.7989	120.3454	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	169.7004	137.1862	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	677.8705	857.1633	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	643.9468	817.6929	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	119.9028	96.9511	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	332.5530	273.3618	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	903.7287	1110.0060	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	535.4758	442.5772	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	957.9397	823.3529	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	215.6354	292.7665	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	159.6393	217.0189	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	85.6083	62.9140	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	147.0710	114.7818	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	578.9759	485.3425	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	930.4283	1128.3994	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	644.1566	803.1720	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	167.0578	127.3391	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	612.1571	517.6450	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	955.3918	1146.9188	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	682.5336	838.8992	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	183.0522	137.2368	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	639.9720	545.4610	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	977.7672	1162.2762	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	714.2572	866.5967	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	195.2141	147.2779	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1695.5417	1933.2387	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	665.2757	572.6272	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	998.5942	1176.5358	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	744.3415	892.7377	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	209.6397	161.8844	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	689.6253	597.3059	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	1018.6348	1192.2985	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	772.8619	917.8550	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	217.4178	173.3238	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	709.3309	617.4990	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	15.17 Call	500	1034.1345	1205.0754	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.96 Call	250	795.4118	937.4701	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	381.5193	306.7709	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	694.9719	821.7248	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	232.2024	188.4922	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	730.1442	639.5809	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	1058.4581	1226.6981	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	825.8628	965.7192	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	860.0358	755.2660	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	804.2001	939.1106	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	247.0931	198.3945	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	751.3424	659.3686	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	1075.5355	1241.4708	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	849.9329	988.6849	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	259.4034	215.6256	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	770.8879	679.9096	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1108.6403	1273.8537	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	887.2415	1026.4106	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	274.8200	235.4079	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	789.5996	699.0647	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1133.1107	1296.9970	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	917.5469	1056.3964	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	292.0386	251.1235	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	806.4496	716.0489	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1160.9171	1324.2490	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	948.8398	1087.8364	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	307.1499	264.5607	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	822.2869	732.6124	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1189.3789	1352.2191	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	982.9799	1123.1837	0.0000	0.0000	0	0.00		
			<u>512,810</u>				<u>23,800.00</u>		<u>0.00</u>	<u>19 955 227.00</u>	<u>0.00</u>
<b>Total</b>			<b>631,853</b>					<b>23,800.00</b>	<b>0.00</b>	<b>30 497 249.00</b>	<b>128 628 311 189.60</b>
<b>Option</b>											
Aug 2018	DAYJ	8.27 Call	13,000	4.0340	1.3310	0.0000	0.0000	0	0.00		
Aug 2018	DAYJ	8.35 Call	20,000	1.8051	0.8004	0.0000	0.0000	0	0.00		
Sep 2018	DAYJ	8.26 Call	25,000	71.5325	47.9780	0.0000	0.0000	0	0.00		
			<u>58,000</u>				<u>0.00</u>		<u>0.00</u>	<u>50 000.00</u>	<u>0.00</u>
<b>Total</b>			<b>58,000</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	240	1.1539	1.1454	0.0000	0.0000	0	0.00		

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			240					0.00	0.00	729 629.00	8 272 496 827.00
		<b>Total</b>	<b>240</b>					<b>0.00</b>	<b>0.00</b>	<b>729 629.00</b>	<b>8 272 496 827.00</b>
<b>Future</b>											
	Sep 2018	GBUS	Future 20	1.2880	1.2775	0.0000	0.0000	0	0.00		
			20					0.00	0.00	167 359.00	2 153 052 487.00
		<b>Total</b>	<b>20</b>					<b>0.00</b>	<b>0.00</b>	<b>167 359.00</b>	<b>2 153 052 487.00</b>
<b>Future</b>											
	Sep 2018	ZAAD	Future 11,333	10.5852	10.7432	0.0000	0.0000	0	0.00		
	Dec 2018	ZAAD	Future 11,820	10.7124	10.8724	0.0000	0.0000	0	0.00		
	Mar 2019	ZAAD	Future 510	10.8524	11.0152	0.0000	0.0000	0	0.00		
	Jun 2019	ZAAD	Future 4,929	10.9907	11.1568	0.0000	0.0000	0	0.00		
			28,592					0.00	0.00	3 689 264.00	32 046 997 718.50
		<b>Total</b>	<b>28,592</b>					<b>0.00</b>	<b>0.00</b>	<b>3 721 641.00</b>	<b>32 046 997 718.50</b>
<b>Future</b>											
	Dec 2018	ZACA	Future 590	11.1893	11.3951	0.0000	0.0000	0	0.00		
			590					0.00	0.00	137 623.00	1 354 709 052.10
		<b>Total</b>	<b>590</b>					<b>0.00</b>	<b>0.00</b>	<b>137 623.00</b>	<b>1 354 709 052.10</b>
<b>Future</b>											
	Sep 2018	ZADK	Future 245	2.2356	2.2646	0.0000	0.0000	0	0.00		
	Dec 2018	ZADK	Future 235	2.2798	2.3092	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>	<b>12 085.00</b>	<b>259 978 669.00</b>
<b>Future</b>											
	Sep 2018	ZAEU	Future 97,885	16.6192	16.8324	16.7271	16.6171	125	2,086,780.40		
	Dec 2018	ZAEU	Future 37,475	16.9306	17.1473	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	Future 4,711	17.2812	17.5027	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	Future 5,256	17.6196	17.8453	0.0000	0.0000	0	0.00		
			145,327					125.00	2,086,780.40	15 230 401.00	217 852 733 371.00
<b>Option</b>											
	Sep 2018	ZAEU	13.50 Put 29,734	1.3847	2.2131	0.0000	0.0000	0	0.00		
	Sep 2018	ZAEU	14.25 Put 57,090	3.9525	4.5531	0.0000	0.0000	0	0.00		
	Sep 2018	ZAEU	15.85 Put 86,824	87.9370	75.1166	0.0000	0.0000	0	0.00		
	Sep 2018	ZAEU	16.76 Call 29,734	321.6291	461.5303	0.0000	0.0000	0	0.00		
	Sep 2018	ZAEU	19.56 Call 86,824	8.2119	20.2056	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	16.00 Call 650	1662.6444	1859.1239	0.0000	0.0000	0	0.00		
			290,856					0.00	0.00	8 025 012.00	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>		
<b>Total</b>			<b>436,183</b>					<b>125.00</b>	<b>2,086,780.40</b>	23 255 413.00	217 852 733 371.00
<b>Future</b>											
Sep 2018	ZAFR	Future	1,975	14.5964	14.8104	0.0000	0.0000	0	0.00		
Dec 2018	ZAFR	Future	770	14.8835	15.1016	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	15.5218	15.7501	0.0000	0.0000	200	3,115,400.00		
			<u>2,895</u>					<u>200.00</u>	<u>3,115,400.00</u>	<u>616 745.00</u>	<u>6 609 022 930.80</u>
<b>Total</b>			<b>2,895</b>					<b>200.00</b>	<b>3,115,400.00</b>	616 745.00	6 609 022 930.80
<b>Future</b>											
Sep 2018	ZAGB	Future	197,756	18.5497	18.7737	18.6028	18.6000	2	37,202.80		
Dec 2018	ZAGB	Future	205,083	18.8402	19.0676	18.8800	18.8800	183,805	3,459,412,580.00		
Mar 2019	ZAGB	Future	4,932	19.1659	19.3978	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,156	19.4767	19.7133	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	4,645	19.8220	20.0616	0.0000	0.0000	0	0.00		
			<u>418,572</u>					<u>183,807.00</u>	<u>3,459,449,782.80</u>	<u>12 175 724.00</u>	<u>205 445 521 309.00</u>
<b>Option</b>											
Mar 2019	ZAGB	18.00 Put	500	553.4117	517.4083	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	473.8986	567.2461	0.0000	0.0000	0	0.00		
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 775 113.00</u>	<u>0.00</u>
<b>Total</b>			<b>419,572</b>					<b>183,807.00</b>	<b>3,459,449,782.80</b>	13 950 837.00	205 445 521 309.00
<b>Future</b>											
Sep 2018	ZAJY	Future	6,873	0.1306	0.1333	0.0000	0.0000	0	0.00		
			<u>6,873</u>					<u>0.00</u>	<u>0.00</u>	<u>1 001 040.00</u>	<u>11 183 195 529.30</u>
<b>Total</b>			<b>6,873</b>					<b>0.00</b>	<b>0.00</b>	1 001 040.00	11 183 195 529.30
<b>Future</b>											
Sep 2018	ZAKS	Future	562	0.1421	0.1451	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,628	0.1415	0.1444	0.0000	0.0000	0	0.00		
			<u>2,190</u>					<u>0.00</u>	<u>0.00</u>	<u>36 428.00</u>	<u>491 517 260.00</u>
<b>Total</b>			<b>2,190</b>					<b>0.00</b>	<b>0.00</b>	36 428.00	491 517 260.00
<b>Future</b>											
Sep 2018	ZATR	Future	5,270	2.3369	2.3376	0.0000	0.0000	0	0.00		
			<u>5,270</u>					<u>0.00</u>	<u>0.00</u>	<u>341 969.00</u>	<u>1 134 767 971.00</u>
<b>Total</b>			<b>5,270</b>					<b>0.00</b>	<b>0.00</b>	341 969.00	1 134 767 971.00
<b>Future</b>											
Sep 2018	ZAUM	Future	355	14.4022	14.6955	0.0000	0.0000	20	28,980,000.00		
Dec 2018	ZAUM	Future	70	14.5711	14.8677	0.0000	0.0000	0	0.00		

DATE	CONTRACT	OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
		425					20.00	28,980,000.00	152 354.00	175 853 576 770.00
	<b>Total</b>	<b>425</b>					<b>20.00</b>	<b>28,980,000.00</b>	156 877.00	175 853 576 770.00

**Future**

Sep 2018	ZAUS	Future	525,620	14.4022	14.6955	14.5175	14.3800	100,043	1,445,909,636.60		
Dec 2018	ZAUS	Future	280,399	14.5711	14.8677	14.6775	14.5745	157,878	2,305,626,215.60		
Mar 2019	ZAUS	Future	8,610	14.7517	15.0524	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	Future	19,510	14.9250	15.2294	0.0000	0.0000	1,000	15,012,500.00		
Sep 2019	ZAUS	Future	10,138	15.1175	15.4258	0.0000	0.0000	0	0.00		
			<b>844,277</b>					<b>258,921.00</b>	<b>3,766,548,352.20</b>	<b>181 730 305.00</b>	<b>2 158 455 010 996.30</b>

**Option**

Sep 2018	ZAUS	11.48 Put	5,200	0.6971	0.7581	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	0.7296	0.7951	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	0.8651	1.0074	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	1.1190	1.4289	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	1.3304	1.6012	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	1.4513	1.6958	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	1.7288	1.9042	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	2154.8952	2448.0628	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	2.6952	2.5628	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	2.9492	2.7235	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	3.4094	3.0051	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	1906.4474	2198.9927	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	44,000	4.2474	3.4927	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	4.9254	3.8686	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	5.2085	4.0216	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	5.6130	4.2366	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	1639.2397	1930.4669	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	1609.6534	1900.6719	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Put	500	7.4534	5.1719	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	8.2014	5.5361	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	1413.8828	1702.3256	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	70,000	11.6828	6.8256	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.10 Put	2,500	15.9523	7.8847	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	1223.7039	1504.6452	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,500	21.5039	9.1452	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	10,000	22.7925	9.4255	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	1177.0480	1455.3653	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	24.8480	9.8653	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	500	1130.8224	1407.5617	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	951.0692	1220.7238	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	864.9177	1130.5588	0.0000	0.0000	0	0.00



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Sep 2018	ZAUS	13.60 Put	4,000	62.7177	35.0588	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	822.9393	1086.4613	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.66 Call	100	814.6377	1077.7262	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	567.3271	800.9012	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	165.1271	105.4012	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	448.2978	660.7473	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.50 Call	500	308.1829	484.0374	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	239.7713	388.3272	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	163.6972	279.7193	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Put	50	761.4972	584.2193	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	44.6629	94.1877	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	39.9053	87.0558	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	33.9212	77.8428	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	26.4991	64.1334	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	13.7049	11.2023	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	16.3942	12.1824	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	21.0415	13.6833	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	24.7455	16.5864	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	25.5508	17.2256	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	29.0043	19.9964	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	33.8841	23.9810	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	36.5794	26.2103	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	44.4634	32.8321	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2124.0878	2407.8220	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	52.9878	40.1220	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	63.7493	49.4702	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	68.3533	53.5084	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	75.2637	59.6065	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	98.2967	80.1684	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1675.9838	1953.8009	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	146,370	104.8838	86.1009	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	119.1749	99.0009	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1510.3460	1781.0661	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	143.5274	116.4249	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1471.2196	1738.8303	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	150.1196	121.1303	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	166.3160	132.6797	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	168.7248	134.3967	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1320.5954	1577.1172	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	199.4954	159.4172	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1284.4581	1538.7087	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	213.3581	171.0087	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.60 Put	66,000	242.9620	195.8905	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	275.1197	223.0848	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	278.4786	225.9336	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	292.1682	237.5695	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1093.8077	1334.2459	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	306.2749	249.5888	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1080.9683	1320.3532	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	309.8683	252.6532	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	992.2340	1219.2444	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,400	964.0583	1186.7689	0.0000	0.0000	300	0.00
Dec 2018	ZAUS	14.00 Put	24,500	392.9583	319.0689	0.0000	0.0000	10,000	0.00
Dec 2018	ZAUS	14.10 Put	1,867	438.6722	355.9690	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	448.1445	0.0000	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	894.0181	1106.0585	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	462.5492	376.7519	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	467.4065	380.9868	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	487.0997	398.1992	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	507.2136	415.8291	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Put	700	512.3094	420.3004	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	795.1016	994.7174	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	554.0016	457.0174	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	785.7809	984.1543	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	564.6809	466.4543	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	771.9918	968.5028	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	745.0909	937.8806	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	1,000	647.9778	540.4592	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	677.8544	860.5871	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	500	706.7544	592.8871	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	673.8834	855.9643	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	669.9355	851.3622	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	650.5361	828.7166	0.0000	0.0000	10,000	0.00
Dec 2018	ZAUS	14.67 Put	3,000	749.4361	631.0166	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	639.1664	815.4082	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	620.6635	793.6947	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	602.7052	772.5470	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	831.6052	704.8470	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	588.7215	756.0327	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	7,600	536.0662	693.4129	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	532.9439	689.6786	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	508.6443	660.5316	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	505.6910	656.9795	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	491.1937	639.5112	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.20 Put	50	1106.0413	954.8305	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	432.7710	0.0000	0.0000	0.0000	8,744	0.00
Dec 2018	ZAUS	15.46 Call	1,867	411.3204	541.6014	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	406.7163	535.8602	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	399.9240	527.3769	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	382.4334	505.4611	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	378.1998	500.1662	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	359.8040	477.2187	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	353.9056	469.8348	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	331.4112	441.5794	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	320.7982	428.1836	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	305.6282	408.9660	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	282.2322	381.0406	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	223.2866	307.6001	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	10.5409	8.4136	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	19.2739	17.2526	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	78.3968	50.7660	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	83.9559	55.1286	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	153.4689	112.5718	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	176.1092	132.0890	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	304.8274	249.9309	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	405.5163	341.6803	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	448.3309	379.8406	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	464.5307	394.3262	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	506.4886	431.9609	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	644.4151	548.1001	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	1106.6085	1309.3996	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	730.6547	625.6626	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	1024.7217	1218.4243	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	781.4205	671.9299	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	954.9048	831.7849	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	834.9306	1006.9476	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	763.4632	926.2927	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	678.5514	828.6022	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	675.7240	825.3331	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	653.7039	799.6948	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	567.2503	697.9319	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	427.9524	535.6895	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	355.3214	448.1931	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	7,000	353.9794	446.5640	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	304.0092	385.6594	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	20.1596	18.5828	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	12.28 Put	1,000	59.8643	48.8517	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	144.9647	115.5561	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	205.3512	163.5367	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	289.2160	231.1640	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	510.4500	435.5404	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	6,250	531.0675	454.3409	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	500	1518.6766	1742.7129	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	1294.6892	1495.7141	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	1224.3726	1416.2646	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	1126.9842	1308.2204	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	874.7177	1030.5142	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	6,250	854.0362	1007.1958	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	803.7940	950.0347	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	772.4624	914.0883	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	27.9249	22.3626	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	127.7833	104.2835	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	631.0556	548.7900	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.55 Call	30,000	1111.8616	1279.2992	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	1013.8715	1170.7205	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	703.8363	821.9889	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	87.3447	82.5321	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	543.4067	471.5261	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	875.6348	1004.8995	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	581.4333	664.7345	0.0000	0.0000	0	0.00		
			<u>3,959,945</u>					<u>29,044.00</u>	<u>0.00</u>	<u>53 659 685.00</u>	<u>0.00</u>
	<b>Total</b>		<b>4,804,222</b>					<b>287,965.00</b>	<b>3,766,548,352.20</b>	<b>235 389 990.00</b>	<b>2 158 455 010 996.30</b>
	<b>Grand Total</b>		<b>6,547,256</b>					<b>495,918.00</b>	<b>7 260 199 005.40</b>	<b>321,634,495</b>	<b>3,005,320,822,680.02</b>