



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 28-August-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Oct 2018	CC01	Future	25,000	505.3692	496.2207	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	16.5575	16.5186	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	370.1326	400.0299	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	31,200	437.9913	472.8862	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	727.2075	748.0878	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	18.2795	18.3154	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	48	18.3348	18.3706	0.0000	0.0000	45	828,157.50		
			<u>62</u>					<u>45.00</u>	<u>828,157.50</u>	<u>53 817.00</u>	<u>883 082 673.80</u>
		<b>Total</b>	<b>62</b>					<b>45.00</b>	<b>828,157.50</b>	<b>261 130.00</b>	<b>883 082 673.80</b>
<b>Future</b>											
Aug 2018	DAUS	Future	3,299	14.1255	14.1420	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	14.1282	14.1447	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	300	14.1310	14.1474	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,569	14.1784	14.1958	0.0000	0.0000	94	1,334,588.50		
Oct 2018	DAUS	Future	55	14.1859	14.2032	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	14.2140	14.2312	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.2290	14.2461	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.2365	14.2536	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	3,847	14.2402	14.2574	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	14.2421	14.2593	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	14.2648	14.2822	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	420	14.2705	14.2880	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	461	14.2950	14.3128	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	6,949	14.2969	14.3147	0.0000	0.0000	1,000	14,331,000.00
Dec 2018	DAUS	Future	2,387	14.3552	14.3727	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.3589	14.3764	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.4116	14.4288	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	14.4134	14.4307	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	14.4379	14.4550	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	4,725	14.4661	14.4831	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	14.5170	14.5341	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.5284	14.5454	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	14.5812	14.5983	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	14.6398	14.6569	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.6996	14.7165	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.7594	14.7761	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.8216	14.8382	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.8846	14.9008	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.9455	14.9613	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	15.0127	15.0281	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.0778	15.0928	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.1387	15.1533	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.2038	15.2180	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.2689	15.2827	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.3256	15.3390	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.3970	15.4099	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.5146	15.5268	0.0000	0.0000	0	0.00
			<u>118,733</u>					<u>1,094.00</u>	<u>15,665,588.50</u>
									<u>10 563 355.00</u>
									<u>128 932 844 685.10</u>
<b>Option</b>									
Aug 2018	DAUS	14.57 Call	2,500	9.3949	25.8778	0.0000	0.0000	0	0.00
Aug 2018	DAUS	14.59 Call	2,500	8.5639	24.1601	0.0000	0.0000	0	0.00
Aug 2018	DAUS	14.74 Call	2,500	4.4177	14.6606	0.0000	0.0000	0	0.00
Aug 2018	DAUS	14.74 Put	7,500	619.0177	613.5606	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	0.3844	0.7095	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	488.6972	511.4149	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	26.0994	37.5144	0.0000	0.0000	0	0.00
Aug 2018	DAUS	14.25 Put	250	186.7263	205.2594	0.0000	0.0000	0	0.00
Aug 2018	DAUS	14.42 Call	250	30.5847	55.4708	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	0.1750	0.4537	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	0.0517	0.1018	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.43 Put	10,000	10.0594	10.5226	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	13.44 Put	15,000	10.4716	10.7852	0.0000	0.0000	0	0.00
Sep 2018	DAUS	12.90 Put	100	2.0846	3.4739	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.09 Put	600	3.6995	5.0297	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.32 Call	600	819.6816	837.9221	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.45 Call	100	693.8222	711.0455	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Call	100	391.4136	416.5452	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.90 Call	600	318.3061	347.1541	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.45 Call	20,000	78.5928	0.0000	0.0000	0.0000	20,000	0.00
Sep 2018	DAUS	13.30 Put	747	9.8127	16.1357	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	16.1220	17.1617	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	537.3597	569.8513	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	145.8700	161.1962	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	359.2378	376.0662	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.54 Call	250	194.3267	225.0772	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	14.3454	21.6252	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	5.0983	8.8034	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	58.3848	68.4549	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	527.7102	561.0844	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	45.5264	52.8602	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	241.4753	256.3253	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	607.3307	640.2581	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	461.7184	478.4240	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	308.5386	339.8335	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	62.1089	76.0518	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	39.2190	49.5619	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	9.6311	11.0284	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	276.9950	292.4538	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	54.1711	66.6184	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	2.8093	3.2711	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	9.6073	10.3152	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1152.1953	1180.1646	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	356.5581	389.0889	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	350.9271	383.3151	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	311.5713	342.8415	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	931.0713	944.8415	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	333.0522	365.0656	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	411.5929	445.5675	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	79.6161	88.3206	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	302.4646	318.4032	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	651.2106	686.4472	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	526.5934	544.4808	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	377.8557	410.9139	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	16.70 Call	500	103.9674	121.2196	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	72.8287	86.5825	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	259.1259	273.4281	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	346.1378	362.1816	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	346.5303	378.2995	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	233.6925	259.9650	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	140.9116	153.1166	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	165.4287	178.5633	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	494.1862	529.0854	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	466.0459	500.4373	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	107.6974	118.4998	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	347.1394	364.3884	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	691.6497	727.9494	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	573.3035	592.1462	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	1039.2448	1055.2009	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	138.2987	156.9330	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	104.6340	120.2324	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	78.6876	86.0735	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	136.2208	148.8785	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	615.1707	634.5800	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	723.8179	760.7345	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	478.9218	512.8398	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	160.3704	174.9732	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	647.2284	667.5669	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	752.6795	790.2138	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	518.0098	552.1731	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	184.4782	196.3530	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	677.1081	696.0373	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	779.9630	815.9952	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	552.8098	585.9539	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	206.1553	216.0032	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1447.5361	1479.3312	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	704.1244	722.0208	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	804.8625	839.7752	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	585.6170	617.8133	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	226.0399	234.5355	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	729.0023	745.7159	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	827.9016	861.7356	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	615.4433	646.8860	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	240.2907	247.3797	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	748.7919	764.7400	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	846.4025	879.4862	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	15.96 Call	250	639.7075	670.6315	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	392.2148	403.8491	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	552.7780	582.0833	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	254.2490	259.9124	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	769.7047	784.9441	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	872.9630	905.3223	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	670.8567	701.2989	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	907.4102	922.8706	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	653.6372	683.5943	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	267.3484	266.6531	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	787.8948	802.4049	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	889.4967	922.2232	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	692.9547	724.0638	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	270.7658	276.7968	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	805.7769	823.1247	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	922.3314	956.4722	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	728.2238	760.4784	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	276.0066	292.1037	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	823.9480	843.6351	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	947.0283	982.6971	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	757.2166	790.9181	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	293.9858	310.5490	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	839.1906	860.9644	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	974.1990	1011.2818	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	786.7454	821.8329	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	311.0182	330.1175	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	855.3691	880.1171	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1001.8020	1040.1835	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	819.1389	855.4547	0.0000	0.0000	0	0.00		
			<u>471,310</u>					<u>20,000.00</u>	<u>0.00</u>	<u>19 992 227.00</u>	<u>0.00</u>
<b>Total</b>			<b>590,043</b>					<b>21,094.00</b>	<b>15,665,588.50</b>	<b>30 555 582.00</b>	<b>128 932 844 685.10</b>
<b>Option</b>											
Sep 2018	DAYJ	8.26 Call	25,000	84.4487	71.9458	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	7,138	1.1724	1.1682	1.1750	1.1715	90	1,055,710.00		
			<u>7,138</u>					<u>90.00</u>	<u>1,055,710.00</u>	<u>736 947.00</u>	<u>8 357 883 861.00</u>
<b>Total</b>			<b>7,138</b>					<b>90.00</b>	<b>1,055,710.00</b>	<b>736 947.00</b>	<b>8 357 883 861.00</b>

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<b>Future</b>										
Sep 2018	GBUS	Future	25	1.2886	1.2896	0.0000	0.0000	0	0.00	
			25					0.00	0.00	167 364.00
		<b>Total</b>	<b>25</b>					<b>0.00</b>	<b>0.00</b>	2 153 117 002.00
<b>Future</b>										
Sep 2018	ZAAD	Future	10,927	10.3993	10.4092	10.4412	10.3905	806	8,393,396.90	
Dec 2018	ZAAD	Future	12,069	10.5279	10.5381	10.5246	10.5010	251	2,641,321.00	
Mar 2019	ZAAD	Future	515	10.6672	10.6771	10.6526	10.6526	5	53,263.00	
Jun 2019	ZAAD	Future	4,929	10.8025	10.8118	0.0000	0.0000	0	0.00	
			28,440					1,062.00	11,087,980.90	3 690 331.00
		<b>Total</b>	<b>28,440</b>					<b>1,062.00</b>	<b>11,087,980.90</b>	32 058 139 474.40
<b>Future</b>										
Dec 2018	ZACA	Future	595	11.1150	11.0718	11.0870	11.0870	5	55,435.00	
			595					5.00	55,435.00	137 638.00
		<b>Total</b>	<b>595</b>					<b>5.00</b>	<b>55,435.00</b>	1 354 875 987.10
<b>Future</b>										
Sep 2018	ZADK	Future	245	2.2349	2.2290	0.0000	0.0000	0	0.00	
Dec 2018	ZADK	Future	240	2.2797	2.2734	2.2637	2.2637	5	113,185.00	
			485					5.00	113,185.00	12 090.00
		<b>Total</b>	<b>485</b>					<b>5.00</b>	<b>113,185.00</b>	260 091 854.00
<b>Future</b>										
Sep 2018	ZAEU	Future	97,871	16.5949	16.5559	16.6700	16.5851	385	6,392,212.50	
Dec 2018	ZAEU	Future	37,775	16.9097	16.8697	0.0000	0.0000	1,000	16,923,900.00	
Mar 2019	ZAEU	Future	4,716	17.2598	17.2168	0.0000	0.0000	0	0.00	
Jun 2019	ZAEU	Future	5,256	17.5947	17.5496	0.0000	0.0000	0	0.00	
			145,618					1,385.00	23,316,112.50	15 233 995.00
		<b>Total</b>								217 913 490 464.70
<b>Option</b>										
Sep 2018	ZAEU	13.50 Put	29,734	0.0860	0.1479	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	57,090	0.7609	1.2112	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	30.3565	50.2750	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	207.9634	223.6878	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	1.6110	2.7296	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	16.00 Call	650	1569.2439	1562.1242	0.0000	0.0000	0	0.00	
			290,856					0.00	0.00	8 025 012.00
		<b>Total</b>	<b>436,474</b>					<b>1,385.00</b>	<b>23,316,112.50</b>	217 913 490 464.70
<b>Future</b>										

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Sep 2018	ZAFR	Future	1,875	14.5191	14.4746	14.5118	14.5118	100	1,451,180.00		
Dec 2018	ZAFR	Future	765	14.8085	14.7632	14.8022	14.8022	5	74,011.00		
Jun 2019	ZAFR	Future	150	15.4422	15.3915	0.0000	0.0000	0	0.00		
			<u>2,790</u>					<u>105.00</u>	<u>1,525,191.00</u>	<u>616 850.00</u>	<u>6 610 548 121.80</u>
		<b>Total</b>	<b>2,790</b>					<b>105.00</b>	<b>1,525,191.00</b>	616 850.00	6 610 548 121.80
<b>Future</b>											
Sep 2018	ZAGB	Future	197,790	18.2397	18.2757	18.3502	18.2557	963	17,601,248.10		
Dec 2018	ZAGB	Future	205,165	18.5298	18.5666	18.6300	18.5550	193	3,587,985.00		
Mar 2019	ZAGB	Future	4,932	18.8483	18.8839	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,156	19.1491	19.1854	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	4,645	19.4829	19.5180	0.0000	0.0000	0	0.00		
			<u>418,688</u>					<u>1,156.00</u>	<u>21,189,233.10</u>	<u>12 177 256.00</u>	<u>205 473 679 129.70</u>
		<b>Total</b>	<b>418,688</b>					<b>1,156.00</b>	<b>21,189,233.10</b>	12 177 256.00	205 473 679 129.70
<b>Option</b>											
Mar 2019	ZAGB	18.00 Put	500	554.3892	568.8422	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	326.8911	356.9282	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>419,688</b>					<b>1,156.00</b>	<b>21,189,233.10</b>	13 952 369.00	205 473 679 129.70
<b>Future</b>											
Sep 2018	ZAJY	Future	6,873	0.1275	0.1278	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	0.1402	0.1402	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,628	0.1388	0.1378	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	2.2471	2.2832	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	340	14.1541	14.1716	14.1264	14.1066	7	9,878,580.00		
Dec 2018	ZAUM	Future	80	14.3232	14.3409	14.2858	14.2858	5	7,142,900.00		
Mar 2019	ZAUM	Future	5	14.5001	14.5171	14.4582	14.4582	5	7,229,100.00		
			<u>425</u>					<u>17.00</u>	<u>24,250,580.00</u>	<u>152 452.00</u>	<u>175 994 051 050.00</u>
		<b>Total</b>	<b>425</b>					<b>17.00</b>	<b>24,250,580.00</b>	156 975.00	175 994 051 050.00

<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>Future</b>											
Sep 2018	ZAUS	Future	484,515	14.1541	14.1716	14.2287	14.0100	72,380	1,025,739,497.20		
Dec 2018	ZAUS	Future	272,639	14.3232	14.3409	14.3891	14.2788	6,724	96,438,208.10		
Mar 2019	ZAUS	Future	8,590	14.5001	14.5171	14.4850	14.4582	150	2,168,864.00		
Jun 2019	ZAUS	Future	20,510	14.6668	14.6838	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	Future	10,138	14.8510	14.8675	0.0000	0.0000	0	0.00		
			<u>796,392</u>				<u>79,254.00</u>		<u>1,124,346,569.30</u>	<u>182 071 829.00</u>	<u>2 163 351 197 685.10</u>
<b>Option</b>											
Sep 2018	ZAUS	11.48 Put	5,200	0.1061	0.1450	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.50 Put	45,000	0.1130	0.1542	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.60 Put	2,000	0.1553	0.2099	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.75 Put	93,314	0.2492	0.3322	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.85 Put	48,200	0.3410	0.4501	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.90 Put	3,000	0.3986	0.5236	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.00 Put	13,300	0.5441	0.7076	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.25 Call	500	1905.2761	1923.0896	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.25 Put	40,000	1.1761	1.4896	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.30 Put	100	1.3703	1.7260	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.38 Put	60,000	1.7482	2.1825	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.50 Call	4,600	1656.6130	1674.6949	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.50 Put	44,000	2.5130	3.0949	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.58 Put	8,000	3.1953	3.8989	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.61 Put	13,231	3.4951	4.2497	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.65 Put	1,550	3.9379	4.7655	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.77 Call	5,200	1389.6108	1408.2348	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.80 Call	50	1359.9460	1378.7113	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.80 Put	500	5.8460	7.1113	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.85 Put	750	6.4577	7.9865	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.00 Call	7,500	1162.8796	1182.9488	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.00 Put	70,000	8.7796	11.3488	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.10 Put	2,500	10.8568	14.3813	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.20 Call	4,000	967.6123	989.8585	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.20 Put	4,500	13.5123	18.2585	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.22 Put	10,000	14.1281	19.1556	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.25 Call	1,250	919.2123	942.1866	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.25 Put	74,064	15.1123	20.5866	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.30 Call	500	871.0307	894.8209	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.50 Call	500	684.5529	712.5421	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.60 Call	26,000	600.9314	631.1851	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.60 Put	4,000	46.8314	59.5851	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.65 Call	1,464	561.1455	592.4565	0.0000	0.0000	0	0.00		



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Sep 2018	ZAUS	14.00 Call	60,000	327.0650	362.5607	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	22,000	172.9650	190.9607	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	231.2284	265.8105	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.50 Call	500	136.2848	165.9658	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	95.2925	120.7087	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	54.5480	73.7066	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Put	50	900.4480	902.1066	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	8.0407	13.1876	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	6.9934	11.5642	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	5.7359	9.5878	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	4.2727	7.2434	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	13.2142	13.6716	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	15.4609	16.2554	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	19.1146	20.5014	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	21.9906	23.8712	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	22.6135	24.6029	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	25.2737	27.7385	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	29.0177	32.1664	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	31.0810	34.6133	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	37.1144	41.7811	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	1866.8505	1890.4564	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	43.6505	49.5564	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	51.9484	59.4241	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	55.5180	63.6649	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	60.9046	70.0529	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	84.6740	94.0551	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1416.3383	1443.9315	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	146,370	93.1383	103.0315	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	102.1962	112.6014	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	111.8702	122.7856	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1256.3310	1285.9526	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	137.6978	149.8168	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1217.9509	1248.0643	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	144.7509	157.1643	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	162.1671	175.2508	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	164.7669	177.9431	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1071.3721	1103.3304	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	198.1721	212.4304	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1036.5219	1068.8992	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	30,500	213.3219	227.9992	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	245.8541	261.2958	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	284.0727	298.9968	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.71 Put	30	288.0730	303.0813	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	304.3973	319.7395	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	860.1785	893.4607	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	321.2364	336.8987	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	848.7264	882.1651	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	325.5264	341.2651	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	766.8740	801.3720	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,400	741.1542	775.9538	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	34,500	417.9542	435.0538	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	468.7970	486.4297	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	479.3257	497.0522	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	677.8344	713.3046	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	495.3399	513.1977	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	500.7365	518.6350	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	645.8130	681.5702	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	522.6130	540.6702	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	544.9454	563.1478	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	623.8002	659.7372	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Put	700	550.6002	568.8372	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	590.3250	626.2012	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	597.1250	615.3012	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	582.3513	618.0817	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	609.1513	627.1817	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	570.5892	606.2480	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	547.7780	583.2709	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	525.8947	561.1888	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	1,000	702.6947	720.2888	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	491.4051	526.2997	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	500	768.2051	785.3997	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	488.0890	522.9391	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	484.7964	519.6012	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	468.6738	503.2449	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	815.4738	832.3449	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	459.2735	493.6943	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	444.0508	478.2084	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	429.3665	463.2461	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	906.1665	922.3461	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	417.9921	451.6422	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	10,100	375.6793	408.3256	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	373.2139	405.7762	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	354.1468	386.0186	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	351.8400	383.6283	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Dec 2018	ZAUS	15.15 Call	27,030	340.5672	371.9234	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	1206.5047	1219.7243	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	295.6535	325.0615	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	279.2947	307.8987	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	275.8056	304.2297	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,500	272.3681	300.6151	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	270.6697	298.8269	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	257.5208	284.9637	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	254.3533	281.6177	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	240.6694	267.1399	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	236.3082	262.5170	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	218.6909	244.3914	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	210.3386	235.4981	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	198.4758	222.8357	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	181.5083	204.6474	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	139.8501	159.5826	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	7.5272	8.1313	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	23.8726	23.3134	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	84.8049	89.1376	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	90.0522	94.8599	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	154.7467	165.3619	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	175.6684	188.0928	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	307.3142	323.8712	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	416.1253	434.4307	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	464.5474	483.3536	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	483.4781	502.4335	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	532.5124	551.7996	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	682.3039	702.1343	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	893.7791	930.6291	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	775.7033	795.6167	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	819.9896	856.9010	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	830.4510	850.2949	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	1016.6930	1035.6678	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	652.1039	687.5239	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	591.0474	625.5080	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	520.2216	553.1457	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	517.8941	550.7603	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	499.7260	532.1162	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	428.9765	459.2216	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	313.4503	339.4113	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	256.2595	279.4713	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	7,000	255.2133	278.3704	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	219.1183	240.2443	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	19.0777	19.9140	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	82.9303	79.7279	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	170.1165	171.3323	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	228.9382	233.6890	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	308.1578	318.7606	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	527.7106	543.3535	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	6,250	549.5216	565.5324	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	1,000	1284.3762	1316.1388	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	1082.9359	1115.7228	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	1018.7110	1051.7050	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	928.6149	962.2330	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	705.0752	737.3518	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	6,250	687.4045	719.4602	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	644.4783	675.9313	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	617.7567	648.7905	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	29.0927	28.2995	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	127.4609	128.4428	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	656.2711	671.0405	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.55 Call	30,000	923.6694	957.1306	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	837.7291	870.6048	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	567.6026	596.9313	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	68.9269	78.0241	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	568.1935	585.4959	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	724.4874	758.9584	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	450.0723	478.5272	0.0000	0.0000	0	0.00		
			<u>4,001,245</u>					<u>0.00</u>	<u>0.00</u>	<u>53 715 685.00</u>	<u>0.00</u>
	<b>Total</b>		<b>4,797,637</b>					<b>79,254.00</b>	<b>1,124,346,569.30</b>	<b>235 787 514.00</b>	<b>2 163 351 197 685.10</b>
	<b>Grand Total</b>		<b>6,472,969</b>					<b>104,218.00</b>	<b>1 223 433 742.80</b>	<b>322,104,136</b>	<b>3,010,850,158,832.12</b>