



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 12-March-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
Mar 2019	DAEU	Future	53	16.1445	16.1919	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	4	16.1998	16.2470	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	1	16.2354	16.2828	0.0000	0.0000	0	0.00
			<u>58</u>					<i>0.00</i>	<i>0.00</i>
									<i>816 108.00</i>
									<i>12 204 137 941.00</i>
<b>Option</b>									
Aug 2019	DAEU	19.65 Call	62,400	96.0033	107.1998	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.65 Call	21,000	1262.1834	1305.9713	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	1138.0513	1180.7706	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	1097.9095	1140.2432	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	1067.6535	1109.6857	0.0000	0.0000	0	0.00
			<u>128,400</u>					<i>0.00</i>	<i>0.00</i>
									<i>1 749 987.00</i>
									<i>0.00</i>
		<b>Total</b>	<b>128,458</b>					<b>0.00</b>	<b>0.00</b>
									<i>2 566 095.00</i>
									<i>12 204 137 941.00</i>
<b>Future</b>									
Mar 2019	DAGB	Future	80	18.7929	18.8254	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	43	18.8462	18.8785	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	120	18.8806	18.9129	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	18.8899	18.9223	0.0000	0.0000	0	0.00
			<u>270</u>					<i>0.00</i>	<i>0.00</i>
									<i>66 924.00</i>
									<i>1 122 514 463.30</i>
		<b>Total</b>	<b>270</b>					<b>0.00</b>	<b>0.00</b>
									<i>274 237.00</i>
									<i>1 122 514 463.30</i>
<b>Future</b>									
Mar 2019	DAUS	Future	13,500	14.2874	14.3668	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	20,000	14.2973	14.3768	0.0000	0.0000	42,100	603,732,750.00
Mar 2019	DAUS	Future	3,731	14.3007	14.3801	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,708	14.3040	14.3835	0.0000	0.0000	34	486,030.00
Apr 2019	DAUS	Future	10,000	14.3090	14.3885	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.3106	14.3901	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	20,000	14.3140	14.3934	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	2,025	14.3156	14.3950	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>
Apr 2019	DAUS	Future	260	14.3322	14.4116	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	349	14.3507	14.4301	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	15	14.3557	14.4352	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	2,012	14.3573	14.4369	0.0000	0.0000	36	516,906.00
May 2019	DAUS	Future	25,000	14.3724	14.4520	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	93	14.3791	14.4589	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	387	14.4062	14.4865	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	416	14.4096	14.4899	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	74	14.4163	14.4969	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	2,140	14.4579	14.5388	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.4632	14.5441	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	682	14.5153	14.5969	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.5170	14.5986	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	1,678	14.5677	14.6493	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.5730	14.6545	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	14.5765	14.6579	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	53	14.6223	14.7044	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.6258	14.7081	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	108	14.6772	14.7599	0.0000	0.0000	0	0.00
Nov 2019	DAUS	Future	52	14.7292	14.8115	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.7347	14.8169	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.7383	14.8205	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.7901	14.8722	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.8426	14.9242	0.0000	0.0000	0	0.00
Feb 2020	DAUS	Future	3,500	14.8917	14.9748	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.8967	14.9803	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.9542	15.0385	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.0071	15.0898	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.0736	15.1545	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.1834	15.2620	0.0000	0.0000	0	0.00
			<u>195,838</u>					<u>42,170.00</u>	<u>604,735,686.00</u>
									<u>11 484 710.00</u>
									<u>142 008 356 392.70</u>
<b>Option</b>									
Mar 2019	DAUS	14.13 Call	50,000	213.1379	283.2275	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	30,000	85.1847	70.9486	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.80 Call	30,000	511.1067	586.5507	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Call	30,000	192.1177	255.0994	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	30,000	99.7177	83.2994	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.53 Put	30,000	295.3313	249.7496	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.37 Call	20,000	124.3317	173.5883	0.0000	0.0000	2,100	0.00
Mar 2019	DAUS	14.37 Put	20,000	197.0317	166.7883	0.0000	0.0000	2,100	0.00
Mar 2019	DAUS	13.88 Put	32,000	37.9872	29.3970	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	62.0143	50.3408	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Mar 2019	DAUS	13.84 Call	15,000	496.5879	567.6652	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Call	6,500	368.4080	435.2660	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.18 Call	15,000	246.2565	306.9982	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	1.7922	2.4010	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	6.8534	5.8861	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	475.4720	545.0792	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	138.0027	117.4391	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	160.1861	137.6160	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	148.0322	193.8025	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	74.1431	104.6245	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	8.9030	14.9212	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	3.2713	5.3175	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.00 Call	30,000	400.1835	467.0475	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	35.6614	30.0946	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	213.1667	262.4343	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	12.5683	9.0769	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	919.9176	991.4986	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	265.0791	240.7104	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	289.2987	263.5381	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	187.7256	221.6656	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	69.0086	86.2614	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	42.5081	55.7410	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	767.4336	832.9178	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	464.1001	518.8966	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	478.8635	530.0988	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	166.3027	193.7062	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	127.4163	150.1867	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	27.0938	24.1707	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	333.0520	305.5318	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	357.4601	328.8462	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	246.4535	279.3360	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	115.3512	135.0972	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	80.5196	96.3520	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	196.5298	175.2372	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	284.7673	258.6760	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	324.7093	296.7450	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	18,000	372.6173	342.5823	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	45.1710	42.1635	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	294.8989	270.0280	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	375.8678	347.5964	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	400.3263	371.1191	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	282.9096	316.1215	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	DAUS	15.33 Call	29,000	247.7926	278.3339	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	148.2566	170.2357	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	109.6246	127.6610	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	68.1953	63.1688	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	417.4190	389.2701	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	441.8617	412.9059	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	323.3263	357.6028	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	184.3308	209.0723	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	142.4050	163.1486	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	577.4162	544.7958	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	179.1399	203.0984	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	88.5625	81.8882	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	449.2502	421.5020	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	473.6368	445.1717	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	349.7313	384.0995	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	209.9904	235.9799	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	165.8002	187.9848	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	56.1164	67.2490	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	107.2824	99.0228	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	477.1889	449.9315	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	501.5383	473.6179	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	380.5342	415.6928	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	239.0164	266.0388	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	191.1752	214.6184	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	124.9835	115.0774	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	504.1707	477.2324	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	528.4988	500.9468	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	405.5426	440.6719	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	264.0471	291.9342	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	216.3167	240.7025	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	139.0562	127.6576	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	525.8657	499.7854	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	550.1529	523.4852	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	430.1907	465.2017	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	287.7927	316.0619	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	239.8993	264.9839	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	151.8454	138.9481	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	546.9570	520.7390	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	571.1522	544.4421	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	454.1790	489.4072	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.05 Call	250	313.1282	341.7347	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.44 Call	250	265.2648	290.7699	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
			835,794					4,200.00	0.00	23 939 229.00	0.00
		<b>Total</b>	<b>1,031,632</b>					<b>46,370.00</b>	<b>604,735,686.00</b>	35 423 939.00	142 008 356 392.70
<b>Future</b>											
	Mar 2019	EUUS	Future	5	1.1276	1.1247	0.0000	0.0000	0	0.00	
	Jun 2019	EUUS	Future	582	1.1359	1.1330	0.0000	0.0000	0	0.00	
				587				0.00	0.00	745 402.00	8 456 173 900.00
		<b>Total</b>		<b>587</b>				<b>0.00</b>	<b>0.00</b>	745 402.00	8 456 173 900.00
<b>Future</b>											
	Mar 2019	GBUS	Future	5	1.3131	1.3081	0.0000	0.0000	0	0.00	
	Dec 2019	GBUS	Future	2,219	1.3300	1.3251	0.0000	0.0000	0	0.00	
				2,224				0.00	0.00	176 160.00	2 268 523 867.00
		<b>Total</b>		<b>2,224</b>				<b>0.00</b>	<b>0.00</b>	176 160.00	2 268 523 867.00
<b>Future</b>											
	Mar 2019	ZAAD	Future	4,955	10.1255	10.1396	10.1225	10.1225	250	2,530,625.00	
	Jun 2019	ZAAD	Future	15,437	10.2435	10.2583	0.0000	0.0000	304	3,110,528.00	
	Sep 2019	ZAAD	Future	513	10.3768	10.3919	0.0000	0.0000	0	0.00	
	Dec 2019	ZAAD	Future	400	10.5055	10.5216	0.0000	0.0000	0	0.00	
				21,305				554.00	5,641,153.00	3 851 339.00	33 746 825 119.10
<b>Option</b>											
	Dec 2019	ZAAD	11.00 Call	1,000	281.5669	294.2059	0.0000	0.0000	0	0.00	
				1,000				0.00	0.00	34 377.00	0.00
		<b>Total</b>		<b>22,305</b>				<b>554.00</b>	<b>5,641,153.00</b>	3 885 716.00	33 746 825 119.10
<b>Future</b>											
	Mar 2019	ZACA	Future	500	10.6797	10.7156	0.0000	0.0000	0	0.00	
	Jun 2019	ZACA	Future	400	10.8122	10.8487	0.0000	0.0000	0	0.00	
	Sep 2019	ZACA	Future	400	10.9587	10.9950	0.0000	0.0000	0	0.00	
				1,300				0.00	0.00	150 863.00	1 496 897 890.10
		<b>Total</b>		<b>1,300</b>				<b>0.00</b>	<b>0.00</b>	150 863.00	1 496 897 890.10
<b>Future</b>											
	Jun 2019	ZADK	Future	250	2.1991	2.2054	0.0000	0.0000	0	0.00	
				250				0.00	0.00	13 625.00	294 020 589.00
		<b>Total</b>		<b>250</b>				<b>0.00</b>	<b>0.00</b>	13 625.00	294 020 589.00
<b>Future</b>											
	Mar 2019	ZAEU	Future	48,711	16.1090	16.1560	16.1029	16.1000	33,747	544,282,606.30	
	Jun 2019	ZAEU	Future	121,276	16.3954	16.4447	0.0000	0.0000	111,819	1,845,040,426.50	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Sep 2019	ZAEU	Future	21,948	16.7123	16.7635	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	Future	17,761	17.0156	17.0686	0.0000	0.0000	0	0.00		
			<u>209,696</u>					<u>145,566.00</u>	<u>2,389,323,032.80</u>	<u>16 509 453.00</u>	<u>239 135 172 032.20</u>
<b>Option</b>											
Mar 2019	ZAEU	16.00 Call	650	165.0889	214.0828	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	15.35 Put	570	101.0269	99.6824	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	15.62 Put	14,429	239.8151	232.8529	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.27 Call	14,429	297.8905	321.0390	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	55,000	248.1438	269.2238	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	13.73 Put	17,150	33.4544	29.1763	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	14.09 Put	136,646	53.3716	0.0000	0.0000	0.0000	273,292	0.00		
Dec 2019	ZAEU	15.70 Put	136,646	304.1572	0.0000	0.0000	0.0000	136,646	0.00		
Dec 2019	ZAEU	16.15 Put	17,150	455.3702	448.5751	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	19.79 Call	136,646	274.7345	0.0000	0.0000	0.0000	273,292	0.00		
Dec 2019	ZAEU	20.62 Call	17,150	208.8999	222.5701	0.0000	0.0000	0	0.00		
			<u>546,466</u>					<u>683,230.00</u>	<u>0.00</u>	<u>11 684 613.00</u>	<u>0.00</u>
	<b>Total</b>		<b>756,162</b>					<b>828,796.00</b>	<b>2,389,323,032.80</b>	<b>28 194 066.00</b>	<b>239 135 172 032.20</b>
<b>Future</b>											
Mar 2019	ZAFR	Future	893	14.1864	14.2387	0.0000	0.0000	893	12,685,065.00		
Jun 2019	ZAFR	Future	1,393	14.4512	14.5058	14.4278	14.4186	2,036	29,455,246.00		
Sep 2019	ZAFR	Future	100	14.7451	14.8011	14.7041	14.7041	100	1,470,410.00		
			<u>2,386</u>					<u>3,029.00</u>	<u>43,610,721.00</u>	<u>630 409.00</u>	<u>6 809 439 880.60</u>
	<b>Total</b>		<b>2,386</b>					<b>3,029.00</b>	<b>43,610,721.00</b>	<b>630 409.00</b>	<b>6 809 439 880.60</b>
<b>Future</b>											
Mar 2019	ZAGB	Future	41,668	18.7585	18.7907	0.0000	0.0000	16,480	308,258,400.00		
Jun 2019	ZAGB	Future	197,486	19.0346	19.0687	19.0993	19.0065	18,175	344,962,220.10		
Sep 2019	ZAGB	Future	19,514	19.3373	19.3725	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	Future	12,565	19.6237	19.6599	0.0000	0.0000	0	0.00		
			<u>271,233</u>					<u>34,655.00</u>	<u>653,220,620.10</u>	<u>14 458 346.00</u>	<u>248 196 695 436.60</u>
<b>Option</b>											
Mar 2019	ZAGB	18.00 Put	500	15.1698	12.1187	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	19.00 Call	3,000	77.4630	87.3145	0.0000	0.0000	1,500	0.00		
Mar 2019	ZAGB	19.19 Put	1,000	475.9184	449.1157	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.00 Call	500	5.1864	5.2646	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.18 Call	1,500	3.5088	3.4948	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	0.2385	0.2197	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	18.00 Call	1,000	1231.9930	1257.4896	0.0000	0.0000	0	0.00		
			<u>8,000</u>					<u>1,500.00</u>	<u>0.00</u>	<u>1 787 813.00</u>	<u>0.00</u>
	<b>Total</b>		<b>279,233</b>					<b>36,155.00</b>	<b>653,220,620.10</b>	<b>16 246 159.00</b>	<b>248 196 695 436.60</b>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
<b>Future</b>										
Mar 2019	ZAJY	Future	10,000	0.1285	0.1292	0.0000	0.0000	0	0.00	
			<u>10,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 091 937.00</u>
		<b>Total</b>	<b>10,000</b>					<b>0.00</b>	<b>0.00</b>	<b>1 091 937.00</b>
										<b>12 363 272 053.60</b>
<b>Future</b>										
Jun 2019	ZAKS	Future	2,166	0.1419	0.1440	0.0000	0.0000	0	0.00	
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>
		<b>Total</b>	<b>2,166</b>					<b>0.00</b>	<b>0.00</b>	<b>38 066.00</b>
										<b>515 662 000.00</b>
<b>Future</b>										
Sep 2019	ZANZ	Future	646	10.0591	10.0562	0.0000	0.0000	0	0.00	
			<u>646</u>					<u>0.00</u>	<u>0.00</u>	<u>146 792.00</u>
		<b>Total</b>	<b>646</b>					<b>0.00</b>	<b>0.00</b>	<b>166 792.00</b>
										<b>1 127 677 204.60</b>
<b>Future</b>										
Mar 2019	ZATR	Future	25,000	2.6068	2.6273	0.0000	0.0000	0	0.00	
Jun 2019	ZATR	Future	1,400	2.5097	2.5298	0.0000	0.0000	0	0.00	
			<u>26,400</u>					<u>0.00</u>	<u>0.00</u>	<u>447 335.00</u>
		<b>Total</b>	<b>26,400</b>					<b>0.00</b>	<b>0.00</b>	<b>447 335.00</b>
										<b>1 390 620 989.90</b>
<b>Future</b>										
Mar 2019	ZAUM	Future	61	14.2858	14.3652	0.0000	0.0000	0	0.00	
Jun 2019	ZAUM	Future	465	14.4333	14.5142	0.0000	0.0000	0	0.00	
			<u>526</u>					<u>0.00</u>	<u>0.00</u>	<u>156 683.00</u>
		<b>Total</b>	<b>526</b>					<b>0.00</b>	<b>0.00</b>	<b>161 206.00</b>
										<b>182 134 029 190.00</b>
<b>Future</b>										
Mar 2019	ZAUS	Future	652,006	14.2858	14.3652	14.3400	14.2509	141,304	2,020,208,429.00	
Jun 2019	ZAUS	Future	387,307	14.4333	14.5142	14.4768	14.4000	29,024	419,297,511.40	
Sep 2019	ZAUS	Future	23,860	14.5976	14.6791	0.0000	0.0000	1,200	17,474,880.00	
Dec 2019	ZAUS	Future	10,863	14.7545	14.8365	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	Future	4,566	14.9209	15.0062	0.0000	0.0000	0	0.00	
Jun 2020	ZAUS	Future	700	15.0932	15.1735	0.0000	0.0000	0	0.00	
			<u>1,079,302</u>					<u>171,528.00</u>	<u>2,456,980,820.40</u>	<u>198 447 156.00</u>
										<b>2 400 434 244 081.40</b>
<b>Option</b>										
Mar 2019	ZAUS	10.33 Put	1,000	0.0000	0.0000	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	11.74 Put	1,000	0.0000	0.0163	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.47 Put	721	0.0001	0.0296	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.51 Put	720	0.0002	0.0306	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.80 Put	7,520	0.0236	0.0402	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	12.90 Put	16,000	0.0598	0.0446	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	0.0666	0.0455	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	15,434	0.1025	0.0639	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	0.1346	0.0865	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	0.1974	0.1322	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	0.2328	0.1585	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	225,407	0.4047	0.2898	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	0.6318	0.4685	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	0.7471	0.5606	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	1.3085	1.0160	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	7,550	1.6381	1.2866	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	2.1692	1.7252	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Call	500	688.6507	767.5085	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	6,570	2.8507	2.3085	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.62 Put	6,432	3.1801	2.5919	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	4.4155	3.6485	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	4.9257	4.0819	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	5.4947	4.5648	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	8.0487	6.7275	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	2,100	9.4733	7.9291	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	11.1441	9.3336	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	11.7625	9.8521	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	14.5860	12.2118	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	354.8428	431.1097	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	310.5811	385.8294	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	29,200	24.7811	20.6294	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	30.5059	25.2991	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	153.4169	220.1909	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	121.2003	184.2298	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	97.8187	78.8066	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	92.6756	151.1318	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	106.8756	85.9318	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	138.2947	106.0147	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	203.1832	159.8286	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	210.9545	166.4475	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	44.6237	78.3845	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	40.6407	72.2014	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	37.0062	66.4555	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	251.2062	201.2555	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	276.3485	223.4086	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	302.1276	246.4170	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	382.5428	319.8361	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	14.74 Put	24,325	466.3236	398.4346	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	9.2477	18.1519	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	533.0438	462.1703	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	542.6589	471.4224	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	552.2920	480.7065	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	561.9420	490.0219	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	3.9041	7.5636	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	757.5670	681.1646	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	816.9171	739.7242	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	836.7343	759.3768	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	846.6485	769.2143	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	2.1383	3.8274	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	906.2010	828.3679	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	916.1364	838.2458	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	1.8145	3.2158	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	1.6487	2.9033	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1035.5287	957.1022	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	1.0517	1.7859	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	0.9148	1.5328	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	0.8902	1.4875	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	3,050	0.7998	1.3215	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	0.7207	1.1774	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	0.5369	0.8466	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	0.3473	0.5742	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	0.3269	0.5382	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	0.2734	0.4441	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	0.1993	0.3155	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	0.1400	0.2143	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	0.1228	0.1856	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	0.0909	0.1329	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	0.0751	0.1073	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	0.0480	0.0647	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	0.0460	0.0616	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	0.0229	0.0276	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	0.0225	0.0270	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	0.0206	0.0244	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	0.0186	0.0216	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	0.0183	0.0212	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	0.0180	0.0208	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	0.0234	0.0163	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	0.0308	0.0191	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	0.0610	0.0386	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	18.00 Call	14,200	0.2169	0.1419	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	0.4516	0.3009	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	19.00 Call	0	0.2125	0.0000	0.0000	0.0000	1,000	0.00
Jun 2019	ZAUS	10.69 Put	1,000	0.8074	0.6519	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	13.1229	11.5221	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	22.0914	19.4341	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	25.4655	22.4126	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.92 Put	2,100	32.4725	28.5995	5.5700	5.5700	221	0.00
Jun 2019	ZAUS	12.98 Put	911	35.3957	31.1822	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	36.4300	32.0956	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.10 Put	14,000	46.7656	39.3038	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	64.9171	55.5203	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	66.3914	56.8463	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.30 Put	143,800	74.1423	63.8412	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.35 Put	4,317	82.5463	71.4579	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	7,500	1045.2500	1112.5313	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	968.5987	1034.0600	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Put	700	135.2987	119.8600	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	203.4534	181.9562	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	761.7082	819.7026	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	712.4352	768.8202	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	28,500	700.4874	756.4681	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	301,700	267.1874	242.2681	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.06 Put	2,100	292.2262	266.1009	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	296.5286	270.2031	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	355.7786	326.8573	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,982	380.1989	350.2840	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.30 Put	30,000	405.5068	374.6069	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	514.9938	564.0151	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	483.1079	530.7695	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.44 Put	31,500	481.0010	447.3793	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	418.7424	462.1781	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	597.1741	558.6153	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	610.0813	571.0883	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	337.7651	376.1158	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	287.2767	322.1094	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	262.5741	295.5685	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	219.4065	248.9569	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	215.5117	244.7104	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	183.5633	209.7510	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	168.0225	192.6665	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	162.2072	186.2569	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	15.80 Call	1,000	141.0380	162.8501	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	130.4730	151.1186	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	127.0002	147.4190	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	118.0391	137.6506	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	108.7468	127.2387	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	15.9692	23.9553	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	5.3623	4.9772	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	48.3106	43.2024	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	83.1290	0.0000	0.0000	0.0000	19,566	0.00
Sep 2019	ZAUS	13.15 Put	11,333	121.3176	110.5254	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	141.5780	127.8447	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1193.7621	1256.5061	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	262.0344	242.6345	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	285.3457	265.0326	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	361.5802	336.5221	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	374.2067	348.7664	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	427.1811	400.2304	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	469.4747	441.4209	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	513.9303	0.0000	0.0000	0.0000	9,783	0.00
Sep 2019	ZAUS	14.36 Put	111	544.7427	514.8972	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	14,000	717.8182	767.8566	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	706.8040	673.3152	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	831.3578	794.8607	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	528.0674	571.0392	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	518.4413	561.0134	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	478.7504	519.6332	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1201.1116	1157.6396	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	387.5313	423.7457	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1338.6241	1292.6820	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	313.8250	345.5563	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	143.4006	0.0000	0.0000	0.0000	19,566	0.00
Sep 2019	ZAUS	17.23 Call	800	139.3034	158.8714	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	111.9189	127.4934	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	101.9265	116.5891	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	98.4535	112.7912	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	78.9699	91.4099	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	20.7146	17.4905	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	121.2226	0.0000	0.0000	0.0000	279,720	0.00
Dec 2019	ZAUS	13.00 Put	49,600	145.6210	133.7343	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	319.6277	301.4472	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	368.0178	348.4870	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	420.6992	0.0000	0.0000	0.0000	139,860	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 2019	ZAUS	14.00 Put	10,000	444.5917	423.1236	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	14.07 Put	1,351	475.4496	451.3176	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	14.41 Put	49,600	641.3190	612.6997	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	15.80 Call	250	507.5217	545.7333	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	16.20 Call	50,100	423.5520	457.8635	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	16.25 Call	10,000	414.2575	448.1132	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	16.85 Call	1,351	313.2653	342.1760	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	17.02 Call	139,860	289.9679	0.0000	0.0000	0.0000	279,720	0.00	
Dec 2019	ZAUS	17.38 Call	1,000	246.9718	271.6976	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	86.7870	101.2333	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	11.91 Put	1,000	19.8578	18.2259	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.01 Put	1,000	509.4108	489.1903	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.73 Call	1,000	339.0244	368.1236	0.0000	0.0000	0	0.00	
			<u>5,729,500</u>					<u>749,436.00</u>	<u>0.00</u>	<u>67 157 338.00</u>
		<b>Total</b>	<b><u>6,808,802</u></b>					<b><u>920,964.00</u></b>	<b><u>2,456,980,820.40</u></b>	<b><u>265 604 494.00</u></b>
										<u>2 400 434 244 081.40</u>

<b>Grand Total</b>	<b><u>9,073,347</u></b>							<b><u>1,835,868.00</u></b>	<b><u>6 153 512 033.30</u></b>	<b><u>364,576,033</u></b>	<b><u>3,337,112,558,744.93</u></b>
--------------------	-------------------------	--	--	--	--	--	--	----------------------------	--------------------------------	---------------------------	------------------------------------