



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 11-December-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
<b>Future</b>											
Feb 2019	DAEU	Future	26	16.5422	16.6269	0.0000	0.0000	0	0.00		
Mar 2019	DAEU	Future	53	16.5939	16.6790	0.0000	0.0000	0	0.00		
			<u>79</u>					<u>0.00</u>	<u>0.00</u>	<u>801 552.00</u>	<u>11 969 588 805.00</u>
<b>Option</b>											
Dec 2018	DAEU	15.83 Put	32,000	46.4969	37.2721	0.0000	0.0000	0	0.00		
Jan 2019	DAEU	15.85 Put	13,000	81.9499	68.9801	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	16,200	887.7913	831.1404	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	361.6504	367.4776	0.0000	0.0000	0	0.00		
			<u>123,600</u>					<u>0.00</u>	<u>0.00</u>	<u>1 510 587.00</u>	<u>0.00</u>
<b>Total</b>			<b>123,679</b>					<b>0.00</b>	<b>0.00</b>	<b>2 312 139.00</b>	<b>11 969 588 805.00</b>
<b>Future</b>											
Jan 2019	DAGB	Future	27	18.2110	18.2757	0.0000	0.0000	0	0.00		
Feb 2019	DAGB	Future	47	18.2967	18.3622	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	80	18.3878	18.4540	0.0000	0.0000	0	0.00		
			<u>154</u>					<u>0.00</u>	<u>0.00</u>	<u>54 134.00</u>	<u>892 317 851.50</u>
<b>Total</b>			<b>154</b>					<b>0.00</b>	<b>0.00</b>	<b>261 447.00</b>	<b>892 317 851.50</b>
<b>Future</b>											
Dec 2018	DAUS	Future	3,672	14.3600	14.3393	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	160	14.3693	14.3504	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	1,952	14.3872	14.3682	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.3908	14.3717	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	150	14.4140	14.3949	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	20	14.4158	14.3966	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	51	14.4314	14.4124	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.4400	14.4211	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,655	14.4418	14.4229	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.4643	14.4456	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	6	14.4678	14.4491	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>		
Feb 2019	DAUS	Future	15	14.4854	14.4668	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	5,025	14.4906	14.4721	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	74	14.4977	14.4791	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	80	14.4994	14.4809	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	14.5386	14.5202	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,356	14.5422	14.5238	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.5494	14.5310	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,580	14.5997	14.5815	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	875	14.6554	14.6374	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.6626	14.6446	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	505	14.7067	14.6887	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.7122	14.6943	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.7698	14.7520	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.8293	14.8115	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.8330	14.8152	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.8857	14.8683	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.9405	14.9238	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	15.0011	14.9849	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	15.0049	14.9888	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.0637	15.0474	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.1244	15.1072	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.1893	15.1711	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.2542	15.2350	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.3107	15.2907	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.3819	15.3608	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.4991	15.4763	0.0000	0.0000	0	0.00		
			<u>110,271</u>					<u>0.00</u>	<u>0.00</u>	<u>10 969 924.00</u>	<u>134 764 239 849.50</u>
<b>Option</b>											
Dec 2018	DAUS	13.90 Put	35,000	31.1758	42.3335	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.98 Put	18,000	46.1626	60.0942	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.30 Put	35,000	156.0402	180.0364	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.90 Put	35,000	577.8815	604.1685	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	15.30 Put	35,000	946.6445	969.5080	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.20 Put	1,000	3.6164	4.7914	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.30 Put	1,000	4.3431	5.9083	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.10 Put	25,000	83.2404	103.6435	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.66 Call	1,000	100.1199	108.1657	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.75 Call	1,000	79.5221	87.2709	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.00 Put	500	5.4872	6.6934	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	49.5860	58.4213	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.22 Call	500	344.8240	340.6369	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.25 Put	250	190.9808	206.1103	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	DAUS	14.96 Put	250	664.1899	684.0618	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	1.8291	1.9099	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	0.9588	1.2232	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.57 Put	600	28.8544	32.1002	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.93 Call	600	550.5419	541.1301	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.35 Call	600	294.7575	289.7926	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.64 Put	250	40.8994	45.7144	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.12 Call	250	440.9458	432.4851	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.65 Call	250	197.9074	194.2240	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.86 Put	174	103.0057	109.8739	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.00 Call	174	559.3205	548.4571	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	3.9143	4.4157	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	12.5223	13.7279	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	273.9255	284.7423	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	297.1979	308.2560	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	424.5077	417.2274	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	184.7761	181.1343	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	124.9569	122.4728	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	38.1664	38.0082	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	343.8852	351.8256	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	367.6868	375.8209	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	481.9192	473.2694	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	251.8202	246.1794	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	184.0315	180.0362	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	261.6077	265.4002	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	308.7247	312.9635	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	64.6811	63.9633	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	401.7266	406.5974	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	425.8883	430.9500	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	531.0833	519.8433	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	308.1102	299.8724	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	239.1245	232.4299	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	234.4287	237.3893	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	693.6583	680.2798	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	90.7141	91.8743	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1297.2332	1280.6941	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	451.1123	454.0582	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	475.5300	478.5874	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	573.0795	559.6018	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	357.9988	347.2241	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	291.2688	281.6524	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	115.1264	116.1950	0.0000	0.0000	0	0.00

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May 2019	DAUS	14.20 Put	250	492.9135	494.2303	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	517.4814	518.8442	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	608.0730	592.8636	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	400.0192	387.2375	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	331.9107	320.2600	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	800.0263	801.2396	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	223.2213	213.5651	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	132.3164	133.9919	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	524.2166	525.0859	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	548.9271	549.8075	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	635.2043	619.1766	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	433.2144	419.7037	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	365.9373	352.3973	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	243.1419	242.8989	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	355.5843	342.3632	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	149.4128	151.1685	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	556.6147	556.2350	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	581.3959	581.0549	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	670.2480	653.7558	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	472.9817	459.0168	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	405.0520	391.6783	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	713.8144	713.2418	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	460.1750	445.8361	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	165.6272	165.3809	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	583.9394	582.0787	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	608.7611	606.9348	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	692.9467	675.9378	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	501.3827	486.8981	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	432.1026	418.6577	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	218.6273	209.4670	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	175.5374	176.5629	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	607.1331	604.8144	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	631.9428	629.6656	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	722.0060	704.6603	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	532.6767	517.5267	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	460.9929	447.2572	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	189.6370	188.6079	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	630.1082	626.4394	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	654.8814	651.2770	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	742.9660	725.7291	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	557.4127	542.1456	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	487.9720	474.0340	0.0000	0.0000	0	0.00

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Nov 2019	DAUS	13.00 Put	500	202.9203	196.7518	0.0000	0.0000	0	0.00	
Nov 2019	DAUS	14.20 Put	250	650.6780	645.7494	0.0000	0.0000	0	0.00	
Nov 2019	DAUS	14.25 Put	250	674.0540	669.0867	0.0000	0.0000	0	0.00	
Nov 2019	DAUS	16.03 Call	500	766.2908	748.6740	0.0000	0.0000	0	0.00	
Nov 2019	DAUS	16.87 Call	250	582.6752	567.4050	0.0000	0.0000	0	0.00	
Nov 2019	DAUS	17.26 Call	250	514.8303	500.5516	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	13.00 Put	500	222.4765	217.8888	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	14.20 Put	250	677.2509	672.5575	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	14.25 Put	250	700.9761	696.2442	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	16.21 Call	500	800.7818	783.3727	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	17.05 Call	250	620.6864	605.3546	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	17.44 Call	250	553.7764	539.3230	0.0000	0.0000	0	0.00	
				<u>464,655</u>				<u>0.00</u>	<u>0.00</u>	<u>22 052 231.00</u>
		<b>Total</b>	<b>574,926</b>					<b>0.00</b>	<b>0.00</b>	<b>33 022 155.00</b>
										<b>134 764 239 849.50</b>
<b>Future</b>										
Dec 2018	EUUS	Future	60	1.1337	1.1408	0.0000	0.0000	0	0.00	
Jun 2019	EUUS	Future	582	1.1521	1.1595	0.0000	0.0000	0	0.00	
				<u>642</u>				<u>0.00</u>	<u>0.00</u>	<u>745 297.00</u>
		<b>Total</b>	<b>642</b>					<b>0.00</b>	<b>0.00</b>	<b>8 454 976 850.00</b>
										<b>745 297.00</b>
<b>Future</b>										
Dec 2018	GBUS	Future	400	1.2574	1.2636	0.0000	0.0000	150	1,886,250.00	
				<u>400</u>				<u>150.00</u>	<u>1,886,250.00</u>	<u>170 397.00</u>
		<b>Total</b>	<b>400</b>					<b>150.00</b>	<b>1,886,250.00</b>	<b>2 192 638 308.00</b>
										<b>170 397.00</b>
<b>Future</b>										
Dec 2018	ZAAD	Future	19,880	10.3562	10.3410	10.3660	10.2938	11,412	118,087,237.60	
Mar 2019	ZAAD	Future	368	10.4883	10.4755	0.0000	0.0000	0	0.00	
Jun 2019	ZAAD	Future	15,746	10.6178	10.6062	0.0000	0.0000	21,624	229,396,130.80	
Dec 2019	ZAAD	Future	400	10.9025	10.8932	0.0000	0.0000	0	0.00	
				<u>36,394</u>				<u>33,036.00</u>	<u>347,483,368.40</u>	<u>3 812 192.00</u>
		<b>Total</b>	<b>37,394</b>					<b>33,036.00</b>	<b>347,483,368.40</b>	<b>33 344 508 407.70</b>
										<b>3 846 569.00</b>
<b>Option</b>										
Dec 2019	ZAAD	11.00 Call	1,000	595.3257	583.3533	0.0000	0.0000	0	0.00	
				<u>1,000</u>				<u>0.00</u>	<u>0.00</u>	<u>34 377.00</u>
		<b>Total</b>	<b>37,394</b>					<b>0.00</b>	<b>0.00</b>	<b>34 377.00</b>
										<b>0.00</b>
<b>Future</b>										
Dec 2018	ZACA	Future	750	10.7182	10.7368	10.7485	10.7415	500	5,373,455.00	
Mar 2019	ZACA	Future	500	10.8644	10.8837	10.8993	10.8958	500	5,449,205.00	
Sep 2019	ZACA	Future	250	11.0180	11.0374	0.0000	0.0000	0	0.00	

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			1,500					1,000.00	10,822,660.00	142 913.00	1 412 076 545.10	
		<b>Total</b>	<b>1,500</b>					<b>1,000.00</b>	<b>10,822,660.00</b>	142 913.00	1 412 076 545.10	
<b>Future</b>												
	Dec 2018	ZADK	Future	140	2.1910	2.2021	0.0000	0.0000	0	0.00		
	Jun 2019	ZADK	Future	250	2.2782	2.2898	0.0000	0.0000	0	0.00		
				390				0.00	0.00	12 985.00	279 973 109.00	
		<b>Total</b>	<b>390</b>					<b>0.00</b>	<b>0.00</b>	12 985.00	279 973 109.00	
<b>Future</b>												
	Dec 2018	ZAEU	Future	77,175	16.2794	16.3602	16.4633	16.2768	3,077	50,501,930.40		
	Mar 2019	ZAEU	Future	75,151	16.6039	16.6892	16.7803	16.5704	2,997	50,168,540.50		
	Jun 2019	ZAEU	Future	24,389	16.9135	17.0014	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	Future	8,596	17.2583	17.3489	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	Future	277	17.5882	17.6815	0.0000	0.0000	18	302,752.80		
				185,588					6,092.00	100,973,223.70	15 870 196.00	228 732 865 187.90
		<b>Total</b>							<b>6,092.00</b>	<b>100,973,223.70</b>	15 870 196.00	228 732 865 187.90
<b>Option</b>												
	Mar 2019	ZAEU	16.00 Call	650	889.3109	945.9560	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	18.60 Call	55,000	631.7656	644.8500	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	13.73 Put	17,150	63.9699	60.2081	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	16.15 Put	17,150	492.7276	455.6297	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	20.62 Call	17,150	507.1275	511.7368	0.0000	0.0000	0	0.00		
				107,100					0.00	0.00	10 956 876.00	0.00
		<b>Total</b>	<b>292,688</b>						<b>6,092.00</b>	<b>100,973,223.70</b>	26 827 072.00	228 732 865 187.90
<b>Future</b>												
	Dec 2018	ZAFR	Future	1,066	14.4989	14.5005	0.0000	0.0000	0	0.00		
	Jun 2019	ZAFR	Future	150	15.0949	15.0993	0.0000	0.0000	0	0.00		
				1,216					0.00	0.00	621 808.00	6 685 388 232.80
		<b>Total</b>	<b>1,216</b>						<b>0.00</b>	<b>0.00</b>	621 808.00	6 685 388 232.80
<b>Future</b>												
	Dec 2018	ZAGB	Future	53,008	18.0569	18.1203	18.1804	18.0300	612	11,092,550.20		
	Mar 2019	ZAGB	Future	376,323	18.3527	18.4187	18.4891	18.3232	634	11,676,987.70		
	Jun 2019	ZAGB	Future	5,889	18.6321	18.6991	0.0000	0.0000	0	0.00		
	Sep 2019	ZAGB	Future	13,225	18.9402	19.0088	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	Future	247	19.2326	19.3044	0.0000	0.0000	0	0.00		
				448,692					1,246.00	22,769,537.90	13 680 821.00	233 775 770 470.30
		<b>Total</b>							<b>1,246.00</b>	<b>22,769,537.90</b>	13 680 821.00	233 775 770 470.30
<b>Option</b>												
	Dec 2018	ZAGB	19.30 Call	200	8.7314	10.4684	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	18.00 Put	500	499.0997	485.1689	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Mar 2019	ZAGB	19.00 Call	2,500	426.1792	459.4467	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	19.19 Put	1,000	1208.3483	1172.4352	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	20.00 Call	500	204.6300	223.0248	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	20.18 Call	1,500	178.9514	195.3759	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	21.44 Call	500	65.6205	73.1723	0.0000	0.0000	0	0.00
			6,700					0.00	0.00
		<b>Total</b>	<b>455,392</b>					<b>1,246.00</b>	<b>22,769,537.90</b>
									15 463 934.00 233 775 770 470.30
<b>Future</b>									
Dec 2018	ZAJY	Future	6,905	0.1268	0.1270	0.0000	0.0000	0	0.00
			6,905					0.00	0.00
		<b>Total</b>	<b>6,905</b>					<b>0.00</b>	<b>0.00</b>
									1 021 902.00 11 470 576 312.50
<b>Future</b>									
Jun 2019	ZAKS	Future	2,166	0.1391	0.1378	0.0000	0.0000	0	0.00
			2,166					0.00	0.00
		<b>Total</b>	<b>2,166</b>					<b>0.00</b>	<b>0.00</b>
									38 066.00 515 662 000.00
<b>Future</b>									
Mar 2019	ZATR	Future	14,000	2.5615	2.5836	0.0000	0.0000	0	0.00
			14,000					0.00	0.00
		<b>Total</b>	<b>14,000</b>					<b>0.00</b>	<b>0.00</b>
									409 239.00 1 293 087 569.00
<b>Future</b>									
Dec 2018	ZAUM	Future	180	14.3600	14.3407	0.0000	0.0000	404	578,075,520.00
Mar 2019	ZAUM	Future	434	14.5224	14.5040	0.0000	0.0000	434	627,999,720.00
			614					838.00	1,206,075,240.00
		<b>Total</b>	<b>614</b>					<b>838.00</b>	<b>1,206,075,240.00</b>
									155 092.00 179 839 440 210.00
<b>Future</b>									
Dec 2018	ZAUS	Future	384,275	14.3600	14.3407	14.4790	14.2645	92,135	1,323,741,541.50
Mar 2019	ZAUS	Future	332,686	14.5224	14.5040	14.6209	14.4109	98,458	1,429,854,683.90
Jun 2019	ZAUS	Future	41,666	14.6807	14.6627	14.6200	14.6200	9	131,580.00
Sep 2019	ZAUS	Future	14,244	14.8554	14.8377	14.9275	14.9224	150	2,238,870.00
Dec 2019	ZAUS	Future	9,900	15.0219	15.0061	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	Future	4,266	15.2186	15.2000	15.2897	15.2897	100	1,528,970.00
			787,037					190,852.00	2,757,495,645.40
		<b>Total</b>							191 769 420.00 2 306 043 700 675.70
<b>Option</b>									
Dec 2018	ZAUS	11.64 Put	2,764	0.0000	0.0000	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	0.0000	0.0000	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	0.0000	0.0000	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	12.00 Put	174,530	0.0000	0.0000	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	0.0000	0.0000	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	0.0000	0.0000	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	0.0000	0.0000	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	0.0000	0.0000	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	0.0000	0.0001	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	1860.0001	1840.7010	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	0.0001	0.0010	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	0.0013	0.0062	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	0.0030	0.0118	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	0.0084	0.0278	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	0.0786	0.1891	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	4,500	1360.1041	1340.9490	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	72,280	0.1041	0.2490	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	0.1379	0.3275	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	0.1826	0.4301	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	5,000	1160.3202	1141.4379	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	0.3582	0.8212	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1110.4237	1091.6637	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	0.4237	0.9637	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	0.6267	1.3958	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	0.6627	1.4712	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	911.2913	893.4435	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	1.2913	2.7435	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	861.7018	844.2409	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	1.7018	3.5409	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	68,500	2.9427	5.8457	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	4.5686	8.7087	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	5.1087	9.6322	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	6.7355	12.3450	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	8.3759	14.9949	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	500	568.8407	556.4330	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	500	8.8407	15.7330	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	15.0071	25.1035	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	429.3930	422.1162	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,000	384.9112	379.7621	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	53,250	24.9112	39.0621	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	40.3032	59.1767	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	44.2241	64.0875	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	276.3047	277.3653	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	115,000	50.7179	72.0733	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	53.0553	74.9074	0.0000	0.0000	0	0.00



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Dec 2018	ZAUS	14.20 Call	51,000	223.3322	227.8458	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	63.3322	87.1458	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	75.2068	100.9037	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	188.4423	195.2918	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	96.3285	124.5870	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	138.4992	148.5690	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	108.4992	137.8690	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	127.2418	137.9736	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	117.2418	147.2736	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	140.0906	170.1747	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	106.1184	116.8700	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	91.4244	101.8890	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	13,700	72.7124	82.3687	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	212.7124	241.6687	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	219.9501	248.7390	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	81,900	49.0785	56.8125	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	1,000	289.0785	316.1125	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	47.1582	54.6821	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	45.3085	52.6214	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	347.0504	372.6115	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	32.8116	38.4581	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	407.8864	432.0501	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	26.7732	31.4487	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	416.7732	440.7487	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	21.8318	25.6243	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	461.8318	484.9243	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.82 Call	250	20.1191	23.5870	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	18.5410	21.7006	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	17.7990	20.8108	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	554.5151	576.1524	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	9.6751	10.9692	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	10,000	649.6751	670.2692	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	9.2927	10.5033	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	6.8444	7.7874	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	6.6030	7.5521	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	5.5288	6.4940	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Call	50	4.6455	5.6076	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	844.6455	864.9076	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	893.9171	914.1624	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	943.3150	963.5337	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	2.6403	3.5115	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	1.9916	2.7929	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.48 Call	29,600	1.8737	2.6588	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	1.7638	2.5328	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1141.7638	1161.8328	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	1.7116	2.4726	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	1.3534	2.0508	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	1.3151	2.0047	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	1.2781	1.9600	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	0.9948	1.6099	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	0.9174	1.5114	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1480.6699	1500.4438	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	17,300	0.6486	1.1059	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	1,406	0.5357	0.9042	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	5,000	0.4046	0.6705	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	0.2902	0.4678	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	0.2656	0.4245	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	0.2231	0.3501	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	0.1990	0.3082	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	0.0842	0.1151	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	0.0470	0.0574	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	0.0301	0.0330	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	0.9812	0.9931	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	8.4885	8.7666	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	25.1548	25.7750	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	26.6586	27.3065	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.80 Put	6,332	40.4237	41.3112	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	46.5724	47.5624	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	47.9041	48.9149	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	15,434	53.5999	54.7036	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	57.4786	58.6447	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	66.5676	67.9018	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	70.7773	72.1886	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	86.2588	87.9470	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	100.3389	102.2704	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	106.0254	108.0561	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.40 Put	2,100	113.9661	116.1299	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	126.6636	129.0385	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	2,550	135.6668	138.1873	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	147.5432	150.2536	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	6,570	160.1251	163.0329	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.62 Put	6,432	165.3584	168.3468	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	181.7592	184.9984	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	187.4626	190.7868	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.72 Put	10,000	193.2855	196.6958	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	202.2468	205.7894	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	214.6185	218.3395	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	235.1998	239.1981	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	238.7818	242.8253	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	253.4342	257.6679	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	814.7937	801.1101	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	27,406	292.3937	297.1101	0.0000	0.0000	5,000	0.00
Mar 2019	ZAUS	14.04 Put	7,100	308.9074	313.8169	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	702.6189	689.9336	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	676.6097	664.1795	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	418.9875	425.1114	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	651.3990	639.2249	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	454.5769	461.0567	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.42 Put	2,100	491.6910	498.5301	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	502.5710	509.5123	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	508.0549	515.0488	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	575.9691	564.6153	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	567.0901	555.8380	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	558.3301	547.1796	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	15,050	535.9301	543.1796	0.0000	0.0000	10,000	0.00
Mar 2019	ZAUS	14.53 Put	108	553.3380	560.7485	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	571.0090	578.5800	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	625.5695	633.6124	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	682.3685	690.8784	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	443.8317	434.2465	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	728.0319	736.8966	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	734.6575	743.5719	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	741.3083	750.2753	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	747.9843	757.0007	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	380.4964	371.8925	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	886.5521	896.5374	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	929.8973	940.1599	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	944.5160	954.8686	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	951.8567	962.2542	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	333.8264	326.0039	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	996.3331	1007.0010	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1003.8165	1014.5280	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	321.2426	313.6433	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	313.9280	306.4571	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1095.1164	1106.3412	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	279.8521	273.0034	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Mar 2019	ZAUS	15.45 Call	20,000	269.3746	262.7246	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	267.3303	260.7190	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	259.3113	252.8529	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	255.3981	249.0174	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	251.5478	245.2416	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	229.7166	223.8466	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	205.2670	199.9033	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	202.2274	196.9274	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	193.4039	188.2932	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.98 Call	2,100	180.7258	175.8877	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	177.9337	173.1545	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	160.8586	156.4447	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	141.1146	137.1378	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	132.7371	128.9529	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	114.0635	110.7201	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	112.3603	109.0582	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	86.0441	83.3987	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	85.4192	82.7900	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	82.3662	79.8168	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	78.8642	76.4060	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	78.2964	75.8532	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	77.7344	75.3063	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	70.8210	68.5787	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	67.3911	65.2402	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	59.0055	57.0566	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	43.8133	42.1830	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	35.1569	33.7282	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	5.6151	5.8965	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	38.8200	41.6718	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	86.1958	88.4168	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	121.2188	122.4920	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	124.6934	125.8634	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	172.2094	172.6148	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	349.4520	349.6331	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	368.2497	368.3977	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1109.1043	1092.5061	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	883.0546	866.4234	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	812.1608	795.5503	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	740.4677	741.8650	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	716.1523	699.8540	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	618.5406	602.8257	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	473.3448	459.1453	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	15.80 Call	1,000	432.5986	418.9549	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	407.6824	394.4063	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	16.00 Call	20	392.0018	378.9687	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	17.96 Call	8,203	156.0281	149.1747	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	11.2081	11.5605	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	72.1035	73.1958	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.25 Put	3,900	241.3641	239.8321	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.91 Put	81,930	468.2729	465.8238	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	492.8547	490.3924	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.09 Put	33,715	544.1870	541.7087	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	601.5975	599.2004	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.33 Put	33,151	662.2557	659.9683	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1300.6506	1300.4726	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1426.6970	1427.0365	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	639.6836	623.2903	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	382.1241	369.6223	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	329.7695	318.2767	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	307.5967	296.5595	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	301.0788	290.1692	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.29 Call	81,930	274.5846	264.1946	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	262.8942	252.7447	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	253.2696	243.3286	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	217.6954	208.5603	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	31.8472	28.6733	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	436.5925	432.2466	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	522.8390	509.0585	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	268.5135	259.4402	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	78.6830	75.9827	0.0000	0.0000	2,000	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	655.8810	651.5490	0.0000	0.0000	2,000	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	679.3240	661.4520	0.0000	0.0000	2,000	0.00		
			<u>7,561,944</u>					<u>21,000.00</u>	<u>0.00</u>	<u>62 676 708.00</u>	<u>0.00</u>
	<b>Total</b>		<b>8,348,981</b>					<b>211,852.00</b>	<b>2,757,495,645.40</b>	<b>254 446 128.00</b>	<b>2 306 043 700 675.70</b>
<b>Grand Total</b>			<b>9,861,047</b>					<b>254,214.00</b>	<b>4 447 505 925.40</b>	<b>348,424,944</b>	<b>3,206,171,942,110.43</b>