



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 13-February-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Future											
Feb 2019	DAEU	Future	29	15.7473	15.5929	0.0000	0.0000	0	0.00		
Mar 2019	DAEU	Future	53	15.8415	15.6871	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	4	15.8978	15.7432	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	1	15.9337	15.7790	0.0000	0.0000	0	0.00		
			87					0.00	0.00	816 079.00	12 203 675 785.40
Option											
Aug 2019	DAEU	19.65 Call	62,400	112.4942	100.4908	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	16.65 Call	21,000	1148.6792	1074.6495	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	16.91 Call	15,000	1041.9318	0.0000	0.0000	0.0000	30,000	0.00		
			98,400					30,000.00	0.00	1 689 987.00	0.00
Total			98,487					30,000.00	0.00	2 506 066.00	12 203 675 785.40
Future											
Feb 2019	DAGB	Future	47	17.9756	17.7836	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	80	18.0652	17.8732	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	43	18.1185	17.9266	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	120	18.1525	17.9604	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	27	18.1618	17.9696	0.0000	0.0000	0	0.00		
			317					0.00	0.00	66 877.00	1 121 639 544.20
Total			317					0.00	0.00	274 190.00	1 121 639 544.20
Future											
Feb 2019	DAUS	Future	0	13.8969	13.7621	0.0000	0.0000	70	962,850.00		
Feb 2019	DAUS	Future	6	13.9000	13.7653	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	5,759	13.9209	13.7863	0.0000	0.0000	115	1,597,902.00		
Mar 2019	DAUS	Future	74	13.9274	13.7926	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	10,080	13.9291	13.7942	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	13.9656	13.8312	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,708	13.9690	13.8346	0.0000	0.0000	104	1,451,944.00		
Apr 2019	DAUS	Future	55	13.9757	13.8414	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	13.9974	13.8633	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	349	14.0160	13.8819	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	15	14.0211	13.8870	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	512	14.0228	13.8887	0.0000	0.0000	193	2,693,174.50		
May 2019	DAUS	Future	25,000	14.0380	13.9039	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	93	14.0448	14.0490	0.0000	0.0000	93	1,306,557.00		
May 2019	DAUS	Future	416	14.0756	13.9418	0.0000	0.0000	912	12,822,492.00		
Jun 2019	DAUS	Future	74	14.0825	13.9487	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	753	14.1239	13.9900	0.0000	0.0000	146	2,052,340.00		
Jul 2019	DAUS	Future	55	14.1291	13.9952	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	681	14.1809	14.0474	0.0000	0.0000	1,625	23,012,889.50		
Aug 2019	DAUS	Future	55	14.1826	14.0491	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	65	14.2331	14.1000	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.2384	14.1052	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.2419	14.1087	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	53	14.2875	14.1546	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.2910	14.1581	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	108	14.3423	14.2098	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	Future	52	14.3939	14.2616	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.3993	14.2669	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.4029	14.2704	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.4547	14.3226	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.5063	14.3757	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.5634	14.4326	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6224	14.4894	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6738	14.5388	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.7388	14.6051	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.8463	14.7182	0.0000	0.0000	0	0.00		
			<u>137,844</u>					<u>3,258.00</u>	<u>45,900,149.00</u>	<u>11 149 338.00</u>	<u>137 258 390 896.30</u>
Option											
Feb 2019	DAUS	13.76 Put	684	28.9934	74.3046	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.81 Call	684	131.0904	59.8716	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.87 Put	22,000	61.0786	146.7483	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.55 Put	25,000	34.6313	50.3208	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.75 Put	25,000	102.8040	149.6160	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	6.4365	6.0640	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.70 Put	600	95.5127	137.0887	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.20 Put	250	371.1425	471.9548	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.25 Call	600	80.4710	50.4968	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.25 Put	250	409.5710	514.1968	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	38.0013	22.9834	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.75 Call	600	19.2306	11.1919	0.0000	0.0000	0	0.00		

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Feb 2019	DAUS	15.27 Call	250	3.8328	2.3713	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	1.6417	1.0670	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.40 Call	50,000	560.3182	445.7364	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.50 Call	50,000	478.6952	372.1275	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.70 Call	100,000	336.1447	248.7443	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	238.0431	311.1532	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	20.6528	13.7712	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.80 Call	30,000	363.6805	284.8494	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	256.6821	320.4901	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	321.0532	395.9664	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	30.0594	37.1599	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	101.2408	132.2583	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	357.0660	285.2248	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	453.9673	541.4088	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	488.4638	578.8205	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	166.8385	130.7419	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	112.2973	87.0389	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	35.6083	25.1605	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	18.6891	12.3198	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	225.8191	278.4514	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	204.5735	164.0447	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	64.0539	79.8248	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	714.9147	619.5764	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	528.3955	610.0924	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	560.9581	645.0705	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	182.3551	154.4414	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	83.8322	70.1348	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	58.6170	49.0018	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	609.4931	528.0253	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	99.0750	117.4480	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	580.8024	656.9076	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	612.3236	690.5415	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	234.1460	203.6727	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	125.2084	107.9282	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	93.8951	80.9407	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	388.4398	444.7900	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	508.5876	0.0000	0.0000	0.0000	18,000	0.00
Jun 2019	DAUS	13.00 Put	500	123.0733	143.8136	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	611.8875	685.6833	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	642.7121	718.4413	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	266.2198	235.6026	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	152.8882	134.0691	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	16.32 Call	250	118.9755	104.3385	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	148.9428	171.5062	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.20 Put	250	643.3526	713.5850	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	673.4509	745.5001	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	302.4033	271.5252	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	183.9807	163.6267	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.50 Call	250	147.6159	131.2531	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,147	828.5859	907.3734	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,147	179.4673	160.6880	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	170.3979	194.1121	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	668.8486	736.4408	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	698.1634	767.7546	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	328.8204	298.6196	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	208.5018	187.8047	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	170.4747	153.4617	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	65.8499	56.2304	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	190.0218	214.5970	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	690.8830	756.4105	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	719.9549	787.1966	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	358.2589	326.3010	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	235.5545	213.7286	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	194.8210	176.5918	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	208.9727	234.5510	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	710.6022	775.3603	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	739.5117	805.6750	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	380.2846	348.7968	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	258.5074	236.5448	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	217.7298	199.8357	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	226.1583	251.9150	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	727.9158	790.8956	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	756.5446	821.0099	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	402.6249	370.9134	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	281.1942	258.4819	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	240.5183	223.7209	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	243.3452	269.1208	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	743.3215	805.0358	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	771.7948	834.8363	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	424.7492	392.7073	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	305.1558	281.5897	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	265.8672	247.9938	0.0000	0.0000	0	0.00		
			<u>625,462</u>					<u>18,000.00</u>	<u>0.00</u>	<u>22 925 630.00</u>	<u>0.00</u>

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Total			763,306					21,258.00	45,900,149.00	34 074 968.00	137 258 390 896.30
Future											
Mar 2019	EUUS	Future	5	1.1329	1.1328	0.0000	0.0000	0	0.00		
Jun 2019	EUUS	Future	582	1.1415	1.1414	0.0000	0.0000	0	0.00		
			<u>587</u>					<i>0.00</i>	<i>0.00</i>	745 402.00	8 456 173 900.00
Total			587					0.00	0.00	745 402.00	8 456 173 900.00
Future											
Mar 2019	GBUS	Future	5	1.2925	1.2912	0.0000	0.0000	0	0.00		
			<u>5</u>					<i>0.00</i>	<i>0.00</i>	171 722.00	2 209 540 628.00
Total			5					0.00	0.00	171 722.00	2 209 540 628.00
Future											
Mar 2019	ZAAD	Future	5,731	9.9284	9.8018	9.9144	9.8311	2	19,745.50		
Jun 2019	ZAAD	Future	15,741	10.0466	9.9203	0.0000	0.0000	0	0.00		
Sep 2019	ZAAD	Future	513	10.1766	10.0507	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.3025	10.1768	0.0000	0.0000	0	0.00		
			<u>22,385</u>					<i>2.00</i>	<i>19,745.50</i>	3 849 247.00	33 725 561 648.60
Option											
Dec 2019	ZAAD	11.00 Call	1,000	254.5244	223.2364	0.0000	0.0000	0	0.00		
			<u>1,000</u>					<i>0.00</i>	<i>0.00</i>	34 377.00	0.00
Total			23,385					2.00	19,745.50	3 883 624.00	33 725 561 648.60
Future											
Mar 2019	ZACA	Future	500	10.5552	10.4278	0.0000	0.0000	0	0.00		
Jun 2019	ZACA	Future	650	10.6896	10.5620	0.0000	0.0000	0	0.00		
Sep 2019	ZACA	Future	400	10.8344	10.7065	0.0000	0.0000	0	0.00		
			<u>1,550</u>					<i>0.00</i>	<i>0.00</i>	150 363.00	1 491 472 790.10
Total			1,550					0.00	0.00	150 363.00	1 491 472 790.10
Future											
Jun 2019	ZADK	Future	250	2.1583	2.1375	0.0000	0.0000	0	0.00		
			<u>250</u>					<i>0.00</i>	<i>0.00</i>	13 625.00	294 020 589.00
Total			250					0.00	0.00	13 625.00	294 020 589.00
Future											
Mar 2019	ZAEU	Future	139,567	15.8052	15.6507	15.8150	15.7260	391	6,161,911.70		
Jun 2019	ZAEU	Future	29,425	16.0948	15.9402	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	Future	21,578	16.4134	16.2577	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	Future	17,899	16.7176	16.5597	0.0000	0.0000	0	0.00		

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			208,469					391.00	6,161,911.70	16 206 659.00	234 174 514 389.80
Option											
	Mar 2019	ZAEU	16.00 Call	650	201.3281	149.4098	0.0000	0.0000	0	0.00	
	Sep 2019	ZAEU	18.60 Call	55,000	255.4878	231.4846	0.0000	0.0000	0	0.00	
	Dec 2019	ZAEU	13.73 Put	17,150	50.4784	54.3907	0.0000	0.0000	0	0.00	
	Dec 2019	ZAEU	16.15 Put	17,150	617.5316	689.2926	0.0000	0.0000	0	0.00	
	Dec 2019	ZAEU	20.62 Call	17,150	235.9544	230.5783	0.0000	0.0000	0	0.00	
			107,100					0.00	0.00	10 956 876.00	0.00
	Total		315,569					391.00	6,161,911.70	27 163 535.00	234 174 514 389.80
Future											
	Mar 2019	ZAFR	Future	1,143	13.9076	13.7415	0.0000	0.0000	0	0.00	
	Jun 2019	ZAFR	Future	150	14.1750	14.0084	0.0000	0.0000	0	0.00	
			1,293					0.00	0.00	626 980.00	6 760 109 369.60
	Total		1,293					0.00	0.00	626 980.00	6 760 109 369.60
Future											
	Mar 2019	ZAGB	Future	326,101	18.0307	17.8386	18.0115	17.9900	7	125,951.50	
	Jun 2019	ZAGB	Future	5,824	18.3051	18.1130	0.0000	0.0000	0	0.00	
	Sep 2019	ZAGB	Future	16,469	18.6031	18.4109	0.0000	0.0000	0	0.00	
	Dec 2019	ZAGB	Future	12,690	18.8859	18.6927	0.0000	0.0000	0	0.00	
			361,084					7.00	125,951.50	13 949 269.00	238 628 706 992.40
Option											
	Mar 2019	ZAGB	18.00 Put	500	315.3151	415.7511	0.0000	0.0000	0	0.00	
	Mar 2019	ZAGB	19.00 Call	2,500	72.9443	47.3045	0.0000	0.0000	0	0.00	
	Mar 2019	ZAGB	19.19 Put	1,000	1210.7107	1384.1572	0.0000	0.0000	0	0.00	
	Mar 2019	ZAGB	20.00 Call	500	11.3025	7.9676	0.0000	0.0000	0	0.00	
	Mar 2019	ZAGB	20.18 Call	1,500	8.8476	6.2052	0.0000	0.0000	0	0.00	
	Mar 2019	ZAGB	21.44 Call	500	2.1037	1.4706	0.0000	0.0000	0	0.00	
	Jun 2019	ZAGB	18.00 Call	1,000	824.2923	706.3256	0.0000	0.0000	0	0.00	
			7,500					0.00	0.00	1 784 813.00	0.00
	Total		368,584					7.00	125,951.50	15 734 082.00	238 628 706 992.40
Future											
	Mar 2019	ZAJY	Future	10,000	0.1262	0.1254	0.0000	0.0000	0	0.00	
			10,000					0.00	0.00	1 091 937.00	12 363 272 053.60
	Total		10,000					0.00	0.00	1 091 937.00	12 363 272 053.60
Future											
	Jun 2019	ZAKS	Future	2,166	0.1384	0.1366	0.0000	0.0000	0	0.00	
			2,166					0.00	0.00	38 066.00	515 662 000.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Total			2,166					0.00	0.00	38 066.00	515 662 000.00
Future											
	Sep 2019	ZANZ	Future	646	9.7695	9.5616	0.0000	0.0000	0	0.00	
				646					0.00	0.00	146 792.00
			Total	646					0.00	0.00	166 792.00
Future											
	Mar 2019	ZASD	Future	0	10.2866	10.1841	0.0000	0.0000	1,200	12,303,600.00	
				0					1,200.00	12,303,600.00	11 926.00
			Total	0					1,200.00	12,303,600.00	11 926.00
Future											
	Mar 2019	ZATR	Future	30,000	2.6029	2.5747	0.0000	0.0000	0	0.00	
				30,000					0.00	0.00	426 585.00
			Total	30,000					0.00	0.00	426 585.00
Future											
	Mar 2019	ZAUM	Future	422	13.9506	13.8160	0.0000	0.0000	0	0.00	
	Jun 2019	ZAUM	Future	10	14.0996	13.9659	0.0000	0.0000	0	0.00	
				432					0.00	0.00	155 530.00
			Total	432					0.00	0.00	160 053.00
Future											
	Mar 2019	ZAUS	Future	607,642	13.9506	13.8160	13.9965	13.7800	130,105	1,807,194,478.30	
	Jun 2019	ZAUS	Future	105,753	14.0996	13.9659	14.1527	13.9500	2,075	29,190,547.80	
	Sep 2019	ZAUS	Future	15,530	14.2629	14.1298	14.2925	14.2478	32	456,435.50	
	Dec 2019	ZAUS	Future	10,100	14.4189	14.2864	0.0000	0.0000	0	0.00	
	Mar 2020	ZAUS	Future	4,566	14.5900	14.4582	0.0000	0.0000	0	0.00	
				743,591					132,212.00	1,836,841,461.60	195 512 056.00
Option											
	Mar 2019	ZAUS	10.33 Put	1,000	0.0001	0.0132	0.0000	0.0000	0	0.00	
	Mar 2019	ZAUS	11.74 Put	1,000	0.5106	0.4869	0.0000	0.0000	0	0.00	
	Mar 2019	ZAUS	12.47 Put	721	4.9479	5.0883	0.0000	0.0000	0	0.00	
	Mar 2019	ZAUS	12.51 Put	720	5.5741	5.7414	0.0000	0.0000	0	0.00	
	Mar 2019	ZAUS	12.80 Put	7,520	11.9605	13.6047	0.0000	0.0000	0	0.00	
	Mar 2019	ZAUS	12.90 Put	16,000	15.4747	18.2041	0.0000	0.0000	0	0.00	
	Mar 2019	ZAUS	12.92 Put	139,342	16.2915	19.2874	0.0000	0.0000	0	0.00	
	Mar 2019	ZAUS	13.00 Put	15,434	20.0075	24.2634	0.0000	0.0000	0	0.00	
	Mar 2019	ZAUS	13.05 Put	1,155	22.7417	27.9654	0.0000	0.0000	0	0.00	
	Mar 2019	ZAUS	13.12 Put	138,000	27.1950	34.0479	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	13.15 Put	10,125	29.3548	37.0166	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	225,407	37.8408	53.8816	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	50.5585	70.9674	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	56.0657	78.2708	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	77.6131	106.3797	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Call	245	538.2934	435.3128	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	7,550	87.6934	119.3128	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	101.5373	136.8857	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Call	500	467.4111	372.0436	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	6,570	116.8111	156.0436	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.62 Put	6,432	123.3311	164.1557	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	144.3269	190.0344	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	151.8101	199.1742	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	159.5378	208.5722	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	188.5225	243.4708	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	2,100	201.8702	260.0034	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	215.7734	277.4059	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	220.5320	283.3294	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	240.1767	307.6144	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	266.7007	205.2648	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	245.7768	188.2866	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	29,200	295.1768	372.2866	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	319.4809	399.6426	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	175.8785	132.6026	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	161.5178	121.3686	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	482.8363	579.0782	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	148.2635	111.0640	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	497.6635	595.0640	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	535.4452	635.6227	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	605.8549	710.6001	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	613.8546	719.0759	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	112.4893	83.5777	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	108.6576	80.6620	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	104.9532	77.8474	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	654.3532	761.8474	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	679.0303	787.6620	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	703.9755	813.6991	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	780.3018	893.0382	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	858.2554	974.0146	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	61.8305	44.7875	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	920.1317	1037.9722	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	929.0526	1047.1721	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	14.83 Put	10,010	937.9927	1056.3869	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	946.9518	1065.6163	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	43.2235	31.0733	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1129.6482	1252.8996	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1185.5753	1309.9320	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1204.3146	1329.0156	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1213.7007	1338.5702	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	31.9577	22.8707	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1270.2486	1396.0680	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1279.7095	1405.6722	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	29.2606	20.7510	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	27.7573	19.4380	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1393.9569	1520.6753	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	20.9520	13.9764	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	18.8188	12.5078	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	18.4174	12.2324	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	3,050	16.8917	11.1877	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	15.4868	10.2296	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	11.9085	7.8077	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	8.5399	5.5540	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	8.1671	5.3063	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	7.1406	4.6266	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	5.5741	3.5953	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	4.1510	2.6658	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	3.7041	2.3755	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	2.8156	1.8008	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	2.3436	1.4969	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	1.4790	0.9431	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	1.4123	0.9006	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	0.9886	0.9176	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	0.9884	0.9184	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	0.9876	0.9229	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	0.9875	0.9289	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	0.9876	0.9299	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	0.9876	0.9310	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	0.9906	0.9464	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	0.9936	0.9558	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	1.0071	0.9867	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	1.0689	0.9740	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	0.6680	0.4314	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	2.9343	3.0190	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	33.8341	35.4568	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	12.65 Put	1,050	57.1041	65.4894	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	68.1210	80.9493	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	107.4215	126.3738	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	111.4746	131.0263	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	168.8856	196.3546	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	171.6458	199.4760	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	10,000	852.1062	759.5175	0.0000	0.0000	5,000	0.00
Jun 2019	ZAUS	13.60 Call	700	791.2806	703.2638	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	394.4893	450.8398	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	628.8308	554.7161	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	590.4534	520.4422	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	11,000	581.1737	512.3654	0.0000	0.0000	7,000	0.00
Jun 2019	ZAUS	14.00 Put	143,900	481.5737	546.4654	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	520.0678	589.1330	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	597.1658	672.1124	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	628.3185	705.2619	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	442.2976	389.3974	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	418.9379	368.6291	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	370.0940	325.3705	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	886.4566	977.0776	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	900.9948	992.2627	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	307.5979	270.3427	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	268.3828	235.7542	0.0000	0.0000	5,000	0.00
Jun 2019	ZAUS	15.10 Call	1,500	248.9790	218.6846	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	211.5475	185.8403	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	185.6188	161.7635	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	166.6816	145.1937	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	147.5617	128.4987	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	137.8696	120.0511	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	134.7977	117.3737	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	126.9662	110.5556	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	118.7541	103.4137	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	40.0724	34.4747	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	7.7379	7.5606	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	90.4636	100.2979	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	221.7111	249.7567	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	251.7810	282.6725	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1012.6666	927.0034	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	422.1104	471.2957	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	554.0811	612.6182	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	569.8880	629.4506	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	686.6673	753.4586	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	14.50 Call	14,000	628.2031	0.0000	0.0000	0.0000	14,000	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1505.2953	1604.2349	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1650.5565	1752.7807	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	299.8645	271.7882	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	151.3527	138.9895	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	131.1926	120.6094	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	122.5747	112.7514	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	119.5515	109.9933	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	102.2981	90.0808	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	37.9529	43.5781	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	461.7924	507.4620	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	663.2572	721.8828	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	303.4655	279.4846	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	248.5339	231.4990	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	91.6578	79.3195	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	11.91 Put	1,000	40.5776	47.3397	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	14.01 Put	1,000	678.0695	731.5263	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	17.73 Call	1,000	344.5975	324.6770	0.0000	0.0000	0	0.00
			<u>4,480,223</u>					<u>31,000.00</u>	<u>0.00</u>
		Total	5,223,814					163,212.00	1,836,841,461.60
									260 235 486.00
									2 358 611 201 017.70
		Grand Total	6,840,391					216,070.00	1 901 352 819.30
									356,223,008
									3,274,149,597,523.03