



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 14-February-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Feb 2019	DAEU	Future	29	16.0528	15.7473	0.0000	0.0000	0	0.00
Mar 2019	DAEU	Future	53	16.1498	15.8415	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	4	16.2076	15.8978	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	1	16.2449	15.9337	0.0000	0.0000	0	0.00
			<u>87</u>					<u>0.00</u>	<u>0.00</u>
									<u>816 079.00</u>
									<u>12 203 675 785.40</u>
Option									
Aug 2019	DAEU	19.65 Call	62,400	153.0041	112.4942	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.65 Call	21,000	1350.4015	1148.6792	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	1230.5870	1041.9318	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	1191.8154	0.0000	0.0000	0.0000	30,000	0.00
Feb 2020	DAEU	17.07 Call	15,000	1162.5782	0.0000	0.0000	0.0000	30,000	0.00
			<u>128,400</u>					<u>60,000.00</u>	<u>0.00</u>
									<u>1 749 987.00</u>
									<u>0.00</u>
		Total	128,487					60,000.00	0.00
									2 566 066.00
									12 203 675 785.40
Future									
Feb 2019	DAGB	Future	47	18.1655	17.9756	0.0000	0.0000	0	0.00
Mar 2019	DAGB	Future	80	18.2574	18.0652	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	43	18.3119	18.1185	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	120	18.3470	18.1525	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	18.3565	18.1618	0.0000	0.0000	0	0.00
			<u>317</u>					<u>0.00</u>	<u>0.00</u>
									<u>66 877.00</u>
									<u>1 121 639 544.20</u>
		Total	317					0.00	0.00
									274 190.00
									1 121 639 544.20
Future									
Feb 2019	DAUS	Future	690	14.1675	13.9000	0.0000	0.0000	684	9,569,160.00
Feb 2019	DAUS	Future	5,759	14.1896	13.9209	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	74	14.1964	13.9274	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	10,080	14.1982	13.9291	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,731	14.2365	13.9656	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,708	14.2400	13.9690	0.0000	0.0000	0	0.00

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Apr 2019	DAUS	Future	55	14.2469	13.9757	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	260	14.2695	13.9974	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	349	14.2890	14.0160	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	15	14.2943	14.0211	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	662	14.2961	14.0228	0.0000	0.0000	150	2,138,055.00
May 2019	DAUS	Future	25,000	14.3121	14.0380	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	93	14.3192	14.0448	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	416	14.3514	14.0756	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	74	14.3585	14.0825	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	753	14.4014	14.1239	0.0000	0.0000	126	1,809,385.20
Jul 2019	DAUS	Future	55	14.4067	14.1291	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	681	14.4605	14.1809	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.4623	14.1826	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	65	14.5150	14.2331	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.5205	14.2384	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	14.5242	14.2419	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	53	14.5719	14.2875	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.5756	14.2910	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	108	14.6286	14.3423	0.0000	0.0000	0	0.00
Nov 2019	DAUS	Future	52	14.6818	14.3939	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.6874	14.3993	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.6910	14.4029	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.7453	14.4547	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.8001	14.5063	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.8599	14.5634	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.9203	14.6224	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.9730	14.6738	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.0411	14.7388	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.1557	14.8463	0.0000	0.0000	0	0.00
			<u>138,678</u>					<u>960.00</u>	<u>13,516,600.20</u>
									<u>11 150 298.00</u>
									<u>137 271 907 496.50</u>
Option									
Feb 2019	DAUS	13.76 Put	684	1.5069	28.9934	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.81 Call	684	359.8600	131.0904	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.87 Put	22,000	4.0684	61.0786	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.55 Put	0	12.5121	34.6313	0.0000	0.0000	25,000	0.00
Feb 2019	DAUS	13.80 Put	25,000	38.8159	0.0000	0.0000	0.0000	25,000	0.00
Feb 2019	DAUS	13.75 Put	25,000	40.1496	102.8040	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	3.6656	6.4365	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.70 Put	600	35.3277	95.5127	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	207.3597	371.1425	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Call	600	176.0434	80.4710	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	236.4434	409.5710	0.0000	0.0000	0	0.00

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Feb 2019	DAUS	14.52 Call	500	92.8186	38.0013	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.75 Call	600	52.1352	19.2306	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	12.2575	3.8328	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	4.2872	1.6417	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.40 Call	50,000	811.5838	560.3182	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.50 Call	50,000	715.4141	478.6952	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.70 Call	100,000	543.5048	336.1447	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	133.7830	238.0431	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	46.0142	20.6528	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.80 Call	30,000	550.0635	363.6805	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Call	30,000	318.9619	0.0000	0.0000	0.0000	30,000	0.00
Mar 2019	DAUS	13.88 Put	32,000	161.6578	256.6821	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	209.0706	321.0532	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	16.2971	30.0594	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	56.9125	101.2408	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	533.8042	357.0660	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	311.3208	453.9673	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	338.4265	488.4638	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	270.5057	166.8385	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	189.6057	112.2973	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	68.2279	35.6083	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	40.9315	18.6891	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	142.9914	225.8191	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	318.4499	204.5735	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	37.4032	64.0539	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	924.9057	714.9147	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	393.0932	528.3955	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	419.8526	560.9581	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	264.8434	182.3551	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	127.4747	83.8322	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	91.3185	58.6170	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	798.0134	609.4931	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	528.1015	0.0000	0.0000	0.0000	50,000	0.00
May 2019	DAUS	13.00 Put	500	67.3694	99.0750	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	454.3535	580.8024	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	481.0120	612.3236	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	322.2472	234.1460	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	179.2580	125.2084	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	136.0089	93.8951	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	293.7478	388.4398	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	395.6640	508.5876	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	440.1490	0.0000	0.0000	0.0000	18,000	0.00

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Jun 2019	DAUS	14.25 Put	18,000	492.5235	0.0000	0.0000	0.0000	18,000	0.00
Jun 2019	DAUS	13.00 Put	500	86.6739	123.0733	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	488.2860	611.8875	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	514.8601	642.7121	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	354.1974	266.2198	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	210.6091	152.8882	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	165.4033	118.9755	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	108.4243	148.9428	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	521.4622	643.3526	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	547.8809	673.4509	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	390.9781	302.4033	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	245.6780	183.9807	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	198.6699	147.6159	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	688.1660	828.5859	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	238.3774	179.4673	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	128.0183	170.3979	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	547.3138	668.8486	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	573.6302	698.1634	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	416.6590	328.8204	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	271.6888	208.5018	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	223.6466	170.4747	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	96.9052	65.8499	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	144.8305	190.0218	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	569.2278	690.8830	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	595.4883	719.9549	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	446.7251	358.2589	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	301.2464	235.5545	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	250.4298	194.8210	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	160.3742	208.9727	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	590.0164	710.6022	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	616.1769	739.5117	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	469.7311	380.2846	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	325.5340	258.5074	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	275.4965	217.7298	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	172.6768	226.1583	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	607.3184	727.9158	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	633.3947	756.5446	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	493.5875	402.6249	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	349.4970	281.1942	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	299.8576	240.5183	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	183.4330	243.3452	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	623.1949	743.3215	0.0000	0.0000	0	0.00

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Dec 2019	DAUS	14.25 Put	250	649.1462	771.7948	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	16.21 Call	500	516.8856	424.7492	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	17.05 Call	250	374.8967	305.1558	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	17.44 Call	250	325.6389	265.8672	0.0000	0.0000	0	0.00	
			741,462					166,000.00	0.00	23 091 630.00
		Total	880,140					166,960.00	13,516,600.20	34 241 928.00
										137 271 907 496.50
Future										
Mar 2019	EUUS	Future	5	1.1330	1.1329	0.0000	0.0000	0	0.00	
Jun 2019	EUUS	Future	582	1.1415	1.1415	0.0000	0.0000	0	0.00	
			587					0.00	0.00	745 402.00
		Total	587					0.00	0.00	8 456 173 900.00
Future										
Mar 2019	GBUS	Future	5	1.2814	1.2925	0.0000	0.0000	0	0.00	
			5					0.00	0.00	171 722.00
		Total	5					0.00	0.00	2 209 540 628.00
Future										
Mar 2019	ZAAD	Future	5,731	10.1081	9.9284	0.0000	0.0000	0	0.00	
Jun 2019	ZAAD	Future	15,741	10.2307	10.0466	0.0000	0.0000	0	0.00	
Sep 2019	ZAAD	Future	513	10.3652	10.1766	0.0000	0.0000	0	0.00	
Dec 2019	ZAAD	Future	400	10.4953	10.3025	0.0000	0.0000	0	0.00	
			22,385					0.00	0.00	3 849 247.00
		Total								33 725 561 648.60
Option										
Dec 2019	ZAAD	11.00 Call	1,000	324.1214	254.5244	0.0000	0.0000	0	0.00	
			1,000					0.00	0.00	34 377.00
		Total	23,385					0.00	0.00	3 883 624.00
Future										
Mar 2019	ZACA	Future	500	10.6820	10.5552	0.0000	0.0000	0	0.00	
Jun 2019	ZACA	Future	650	10.8211	10.6896	0.0000	0.0000	0	0.00	
Sep 2019	ZACA	Future	400	10.9708	10.8344	0.0000	0.0000	0	0.00	
			1,550					0.00	0.00	150 363.00
		Total	1,550					0.00	0.00	1 491 472 790.10
Future										
Jun 2019	ZADK	Future	250	2.2011	2.1583	0.0000	0.0000	0	0.00	
			250					0.00	0.00	13 625.00
		Total	250					0.00	0.00	294 020 589.00

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Future											
Mar 2019	ZAEU	Future	139,585	16.1125	15.8052	16.1394	15.8700	556	8,898,565.60		
Jun 2019	ZAEU	Future	30,025	16.4112	16.0948	16.4454	16.1609	618	10,086,804.50		
Sep 2019	ZAEU	Future	21,578	16.7389	16.4134	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	Future	17,899	17.0502	16.7176	0.0000	0.0000	0	0.00		
			<u>209,087</u>					<u>1,174.00</u>	<u>18,985,370.10</u>	<u>16 207 833.00</u>	<u>234 193 499 759.90</u>
Option											
Mar 2019	ZAEU	16.00 Call	650	351.1798	201.3281	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	55,000	333.9295	255.4878	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	13.73 Put	17,150	33.0343	50.4784	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	16.15 Put	17,150	503.2960	617.5316	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	20.62 Call	17,150	276.2424	235.9544	0.0000	0.0000	0	0.00		
			<u>107,100</u>					<u>0.00</u>	<u>0.00</u>	<u>10 956 876.00</u>	<u>0.00</u>
	Total		316,187					1,174.00	18,985,370.10	27 164 709.00	234 193 499 759.90
Future											
Mar 2019	ZAFR	Future	1,143	14.1837	13.9076	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	14.4600	14.1750	0.0000	0.0000	0	0.00		
			<u>1,293</u>					<u>0.00</u>	<u>0.00</u>	<u>626 980.00</u>	<u>6 760 109 369.60</u>
	Total		1,293					0.00	0.00	626 980.00	6 760 109 369.60
Future											
Mar 2019	ZAGB	Future	326,106	18.2221	18.0307	18.1993	18.0527	625	11,368,084.00		
Jun 2019	ZAGB	Future	5,824	18.5038	18.3051	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	16,469	18.8089	18.6031	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	Future	12,690	19.0974	18.8859	0.0000	0.0000	0	0.00		
			<u>361,089</u>					<u>625.00</u>	<u>11,368,084.00</u>	<u>13 949 894.00</u>	<u>238 640 075 076.40</u>
Option											
Mar 2019	ZAGB	18.00 Put	500	240.9072	315.3151	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	19.00 Call	2,500	113.3127	72.9443	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	19.19 Put	1,000	1052.2942	1210.7107	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.00 Call	500	22.0060	11.3025	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.18 Call	1,500	16.6308	8.8476	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	2.8867	2.1037	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	18.00 Call	1,000	958.6916	824.2923	0.0000	0.0000	0	0.00		
			<u>7,500</u>					<u>0.00</u>	<u>0.00</u>	<u>1 784 813.00</u>	<u>0.00</u>
	Total		368,589					625.00	11,368,084.00	15 734 707.00	238 640 075 076.40
Future											
Mar 2019	ZAJY	Future	10,000	0.1290	0.1262	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>	<u>12 363 272 053.60</u>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
		Total	10,000					0.00	0.00	1 091 937.00	12 363 272 053.60	
Future												
	Jun 2019	ZAKS	Future	2,166	0.1402	0.1384	0.0000	0.0000	0	0.00		
				<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	38 066.00	515 662 000.00
			Total	2,166					0.00	0.00	38 066.00	515 662 000.00
Future												
	Sep 2019	ZANZ	Future	646	9.9886	9.7695	0.0000	0.0000	0	0.00		
				<u>646</u>					<u>0.00</u>	<u>0.00</u>	146 792.00	1 127 677 204.60
			Total	646					0.00	0.00	166 792.00	1 127 677 204.60
Future												
	Mar 2019	ZATR	Future	18,000	2.6369	2.6029	0.0000	0.0000	12,000	31,512,000.00		
				<u>18,000</u>					<u>12,000.00</u>	<u>31,512,000.00</u>	438 585.00	1 368 078 339.90
			Total	18,000					12,000.00	31,512,000.00	438 585.00	1 368 078 339.90
Future												
	Mar 2019	ZAUM	Future	430	14.2208	13.9506	0.0000	0.0000	113	160,184,980.00		
	Jun 2019	ZAUM	Future	10	14.3764	14.0996	0.0000	0.0000	0	0.00		
				<u>440</u>					<u>113.00</u>	<u>160,184,980.00</u>	155 643.00	180 623 301 640.00
			Total	440					113.00	160,184,980.00	160 166.00	180 623 301 640.00
Future												
	Mar 2019	ZAUS	Future	592,428	14.2208	13.9506	14.2604	13.9895	104,329	1,478,477,733.00		
	Jun 2019	ZAUS	Future	108,194	14.3764	14.0996	14.4000	14.1771	19,246	275,647,316.60		
	Sep 2019	ZAUS	Future	17,913	14.5462	14.2629	14.5650	14.3320	3,650	53,028,593.70		
	Dec 2019	ZAUS	Future	10,550	14.7077	14.4189	14.6700	14.6659	1,400	20,511,870.00		
	Mar 2020	ZAUS	Future	4,566	14.8872	14.5900	0.0000	0.0000	0	0.00		
				<u>733,651</u>					<u>128,625.00</u>	<u>1,827,665,513.30</u>	195 640 681.00	2 360 438 866 531.00
Option												
	Mar 2019	ZAUS	10.33 Put	1,000	0.0205	0.0001	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	11.74 Put	1,000	0.2846	0.5106	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	12.47 Put	721	2.5160	4.9479	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	12.51 Put	720	2.8261	5.5741	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	12.80 Put	7,520	6.4815	11.9605	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	12.90 Put	16,000	8.5788	15.4747	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	12.92 Put	139,342	9.0700	16.2915	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.00 Put	15,434	11.3188	20.0075	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.05 Put	1,155	12.9851	22.7417	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUS	13.12 Put	138,000	15.7141	27.1950	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	17.0431	29.3548	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	225,407	22.2833	37.8408	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	27.5290	50.5585	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	29.7790	56.0657	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	38.5713	77.6131	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Call	145	763.5193	538.2934	0.0000	0.0000	100	0.00
Mar 2019	ZAUS	13.50 Put	7,550	42.7193	87.6934	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	50.9150	101.5373	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Call	500	681.0110	467.4111	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	6,570	60.2110	116.8111	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.62 Put	6,432	64.2533	123.3311	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	77.5461	144.3269	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	82.3776	151.8101	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	87.4167	159.5378	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	106.7209	188.5225	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	2,100	115.8125	201.8702	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	125.4045	215.7734	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	128.7146	220.5320	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	142.5256	240.1767	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	431.8812	266.7007	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	401.8894	245.7768	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	29,200	181.0894	295.1768	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	198.1442	319.4809	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	296.4389	175.8785	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	275.0461	161.5178	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	322.0689	482.8363	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	255.0181	148.2635	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	334.2181	497.6635	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	365.4987	535.4452	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	424.9204	605.8549	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	431.7583	613.8546	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	199.4414	112.4893	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	193.3400	108.6576	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	187.4154	104.9532	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	466.6154	654.3532	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	488.0485	679.0303	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	509.8525	703.9755	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	577.3726	780.3018	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	647.7848	858.2554	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	116.9707	61.8305	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	704.3396	920.1317	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	712.5372	929.0526	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	14.83 Put	10,010	720.7632	937.9927	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	729.0170	946.9518	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	85.0769	43.2235	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	898.8790	1129.6482	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	951.4159	1185.5753	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	969.0872	1204.3146	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	977.9513	1213.7007	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	64.3908	31.9577	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1031.5165	1270.2486	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1040.5048	1279.7095	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	59.3313	29.2606	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	56.4915	27.7573	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1149.5920	1393.9569	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	44.2439	20.9520	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	40.8003	18.8188	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	40.1457	18.4174	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	3,050	37.6346	16.8917	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	35.2872	15.4868	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	29.0055	11.9085	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	21.4424	8.5399	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	20.5859	8.1671	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	18.2048	7.1406	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	14.4959	5.5741	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	11.0325	4.1510	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	9.9227	3.7041	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	7.6774	2.8156	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	6.4602	2.3436	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	4.1756	1.4790	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	3.9959	1.4123	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	1.7942	0.9886	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	1.7544	0.9884	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	1.5679	0.9876	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	1.4560	0.9875	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	1.4529	0.9876	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	1.4498	0.9876	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	1.4145	0.9906	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	1.3988	0.9936	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	1.3647	1.0071	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	1.3343	1.0689	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	1.3518	0.6680	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	2.4809	2.9343	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	27.1707	33.8341	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	12.65 Put	1,050	46.1055	57.1041	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	53.0209	68.1210	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	74.2013	107.4215	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	77.2288	111.4746	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	120.9631	168.8856	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	123.1008	171.6458	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.30 Put	143,800	134.1877	0.0000	0.0000	0.0000	161,700	0.00
Jun 2019	ZAUS	13.50 Call	10,000	1061.8717	852.1062	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	991.8586	791.2806	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	299.7695	394.4893	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	805.5183	628.8308	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	760.9908	590.4534	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	11,000	750.1759	581.1737	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	287,700	373.7759	481.5737	0.0000	0.0000	143,800	0.00
Jun 2019	ZAUS	14.07 Put	39,589	406.9218	520.0678	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	472.5096	597.1658	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	499.1027	628.3185	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.30 Put	30,000	526.4336	0.0000	0.0000	0.0000	30,000	0.00
Jun 2019	ZAUS	14.35 Call	1,050	580.8954	442.2976	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	551.6054	418.9379	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	491.0246	370.0940	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	727.0665	886.4566	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	740.2189	900.9948	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	412.2906	307.5979	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	361.7785	268.3828	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	336.5492	248.9790	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	287.8106	211.5475	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	253.6815	185.6188	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	236.6931	0.0000	0.0000	0.0000	287,600	0.00
Jun 2019	ZAUS	15.64 Call	39,589	230.2594	166.6816	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	206.4463	147.5617	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	193.4251	137.8696	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	189.2817	134.7977	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	178.6972	126.9662	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	167.5513	118.7541	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	54.5401	40.0724	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	6.3448	7.7379	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	66.8460	90.4636	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	168.5622	221.7111	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	193.3119	251.7810	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1212.1411	1012.6666	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	334.0071	422.1104	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	13.97 Put	800	446.7014	554.0811	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.00 Put	1,000	460.6623	569.8880	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	564.7084	686.6673	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.50 Call	14,000	771.9534	628.2031	0.0000	0.0000	3,900	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1319.5520	1505.2953	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1457.2903	1650.5565	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	380.4134	299.8645	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	194.2793	151.3527	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	164.3387	131.1926	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	153.3868	122.5747	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	149.5413	119.5515	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	127.5619	102.2981	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	24.3131	37.9529	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	377.7089	461.7924	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.80 Put	500	431.1868	0.0000	0.0000	0.0000	1,000	0.00		
Dec 2019	ZAUS	14.07 Put	1,351	549.9224	663.2572	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.20 Call	500	486.4351	0.0000	0.0000	0.0000	500	0.00		
Dec 2019	ZAUS	16.85 Call	1,351	374.9673	303.4655	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	306.5817	248.5339	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	126.8985	91.6578	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	21.2109	40.5776	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	571.1787	678.0695	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	407.4217	344.5975	0.0000	0.0000	0	0.00		
			<u>4,942,523</u>					<u>628,600.00</u>	<u>0.00</u>	<u>65 352 030.00</u>	<u>0.00</u>
	Total		5,676,174					757,225.00	1,827,665,513.30	260 992 711.00	2 360 438 866 531.00
	Grand Total		7,428,216					998,097.00	2 063 232 547.60	357,221,105	3,276,212,830,070.63