



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 15-February-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Future											
Feb 2019	DAEU	Future	29	15.9597	16.0528	0.0000	0.0000	0	0.00		
Mar 2019	DAEU	Future	53	16.0558	16.1498	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	4	16.1133	16.2076	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	1	16.1501	16.2449	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	147.1304	153.0041	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	16.65 Call	21,000	1294.1735	1350.4015	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	16.91 Call	15,000	1179.4341	1230.5870	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	17.00 Call	15,000	1142.3512	1191.8154	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	17.07 Call	15,000	1114.4113	1162.5782	0.0000	0.0000	0	0.00		
			<u>128,400</u>					<u>0.00</u>	<u>0.00</u>	<u>1 749 987.00</u>	<u>0.00</u>
Total			128,487					0.00	0.00	2 566 066.00	12 203 675 785.40
Future											
Feb 2019	DAGB	Future	47	18.1440	18.1655	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	80	18.2354	18.2574	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	43	18.2899	18.3119	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	120	18.3246	18.3470	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	27	18.3340	18.3565	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	0	14.1230	14.1675	0.0000	0.0000	690	9,744,870.00		
Feb 2019	DAUS	Future	5,759	14.1451	14.1896	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	74	14.1519	14.1964	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	10,080	14.1536	14.1982	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	14.1917	14.2365	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,708	14.1952	14.2400	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	55	14.2021	14.2469	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	260	14.2248	14.2695	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	349	14.2439	14.2890	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	15	14.2491	14.2943	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	662	14.2509	14.2961	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	25,000	14.2665	14.3121	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	93	14.2735	14.3192	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	416	14.3053	14.3514	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.3124	14.3585	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	753	14.3552	14.4014	0.0000	0.0000	42	603,099.00		
Jul 2019	DAUS	Future	55	14.3605	14.4067	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	430	14.4139	14.4605	0.0000	0.0000	251	3,618,014.40		
Aug 2019	DAUS	Future	55	14.4157	14.4623	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	187	14.4673	14.5150	0.0000	0.0000	252	3,646,868.40		
Sep 2019	DAUS	Future	55	14.4727	14.5205	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.4763	14.5242	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	53	14.5227	14.5719	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.5263	14.5756	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	108	14.5790	14.6286	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	Future	52	14.6319	14.6818	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.6373	14.6874	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.6409	14.6910	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.6933	14.7453	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.7464	14.8001	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.8066	14.8599	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.8696	14.9203	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.9245	14.9730	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.9911	15.0411	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.0975	15.1557	0.0000	0.0000	0	0.00		
			<u>137,859</u>					<u>1,235.00</u>	<u>17,612,851.80</u>	<u>11 151 533.00</u>	<u>137 289 520 348.30</u>
Option											
Feb 2019	DAUS	13.80 Put	25,000	34.1652	38.8159	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.75 Put	25,000	41.8500	40.1496	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	2.9674	3.6656	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.70 Put	600	37.4441	35.3277	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.20 Put	250	224.6392	207.3597	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.25 Call	600	150.7790	176.0434	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.25 Put	250	255.6790	236.4434	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	77.1904	92.8186	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.75 Call	600	42.5837	52.1352	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	15.27 Call	250	9.5843	12.2575	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	15.63 Call	250	3.4224	4.2872	0.0000	0.0000	0	0.00		

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Mar 2019	DAUS	13.40 Call	50,000	765.4389	811.5838	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.50 Call	50,000	671.7434	715.4141	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.70 Call	100,000	502.5942	543.5048	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	145.9768	133.7830	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	40.8379	46.0142	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.80 Call	30,000	516.1238	550.0635	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Call	30,000	295.7340	318.9619	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	174.6664	161.6578	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	225.2622	209.0706	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	15.2322	16.2971	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	59.8673	56.9125	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	502.3289	533.8042	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	333.1179	311.3208	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	362.6180	338.4265	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	253.1507	270.5057	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	177.2380	189.6057	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	63.5927	68.2279	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	37.2738	40.9315	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	154.3367	142.9914	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	300.0005	318.4499	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	39.7695	37.4032	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	886.8695	924.9057	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	415.8838	393.0932	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	443.7838	419.8526	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	254.6918	264.8434	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	123.6827	127.4747	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	88.6755	91.3185	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	764.2007	798.0134	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	505.2537	528.1015	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	69.8594	67.3694	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	477.5299	454.3535	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	505.2634	481.0120	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	313.3603	322.2472	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	176.1728	179.2580	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	134.4444	136.0089	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	309.2998	293.7478	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	416.0328	395.6640	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	462.4274	440.1490	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	18,000	516.9050	492.5235	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	90.3814	86.6739	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	511.4704	488.2860	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	538.9975	514.8601	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	15.17 Call	500	346.0882	354.1974	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	207.5370	210.6091	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	163.8214	165.4033	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	113.4725	108.4243	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	544.8020	521.4622	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	572.0835	547.8809	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	383.3964	390.9781	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	242.4787	245.6780	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	196.9242	198.6699	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	716.2906	688.1660	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	236.0810	238.3774	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	133.6765	128.0183	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	571.9938	547.3138	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	599.1198	573.6302	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	410.0930	416.6590	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	269.0173	271.6888	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	222.1398	223.6466	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	96.6605	96.9052	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	153.8841	144.8305	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	596.4253	569.2278	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	623.4046	595.4883	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	440.8374	446.7251	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	298.1588	301.2464	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	248.5935	250.4298	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	172.2923	160.3742	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	619.0817	590.0164	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	645.8894	616.1769	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	465.0557	469.7311	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	323.3070	325.5340	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	274.1380	275.4965	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	186.8952	172.6768	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	637.9469	607.3184	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	664.6181	633.3947	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	489.5646	493.5875	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	347.4514	349.4970	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	298.5425	299.8576	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	199.9090	183.4330	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	656.0562	623.1949	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	682.5623	649.1462	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	512.8176	516.8856	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.05 Call	250	372.9234	374.8967	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.44 Call	250	324.2693	325.6389	0.0000	0.0000	0	0.00

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			718,094					0.00	0.00	23 091 630.00	0.00
		Total	855,953					1,235.00	17,612,851.80	34 243 163.00	137 289 520 348.30
Future											
Mar 2019	EUUS	Future	5	1.1300	1.1330	0.0000	0.0000	0	0.00		
Jun 2019	EUUS	Future	582	1.1385	1.1415	0.0000	0.0000	0	0.00		
			587					0.00	0.00	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	1.2839	1.2814	0.0000	0.0000	0	0.00		
			5					0.00	0.00	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	10.0936	10.1081	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	15,741	10.2151	10.2307	0.0000	0.0000	0	0.00		
Sep 2019	ZAAD	Future	513	10.3485	10.3652	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.4778	10.4953	0.0000	0.0000	0	0.00		
			22,385					0.00	0.00	3 849 247.00	33 725 561 648.60
Option											
Dec 2019	ZAAD	11.00 Call	1,000	323.5871	324.1214	0.0000	0.0000	0	0.00		
			1,000					0.00	0.00	34 377.00	0.00
		Total	23,385					0.00	0.00	3 883 624.00	33 725 561 648.60
Future											
Mar 2019	ZACA	Future	500	10.6940	10.6820	0.0000	0.0000	0	0.00		
Jun 2019	ZACA	Future	650	10.8327	10.8211	0.0000	0.0000	0	0.00		
Sep 2019	ZACA	Future	400	10.9814	10.9708	0.0000	0.0000	0	0.00		
			1,550					0.00	0.00	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	2.1879	2.2011	0.0000	0.0000	0	0.00		
			250					0.00	0.00	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	139,585	16.0186	16.1125	16.0800	16.0800	10	161,000.00		
Jun 2019	ZAEU	Future	30,026	16.3144	16.4112	16.3003	16.3003	1	16,300.30		
Sep 2019	ZAEU	Future	21,578	16.6387	16.7389	0.0000	0.0000	0	0.00		

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	Dec 2019	ZAEU	Future	17,899	16.9469	17.0502	0.0000	0.0000	0	0.00		
				<u>209,088</u>					11.00	177,300.30	16 207 844.00	234 193 677 060.20
Option												
	Mar 2019	ZAEU	16.00 Call	650	302.6730	351.1798	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	15.62 Put	14,429	317.7629	0.0000	0.0000	0.0000	14,429	0.00		
	Sep 2019	ZAEU	18.27 Call	14,429	372.2370	0.0000	0.0000	0.0000	28,858	0.00		
	Sep 2019	ZAEU	18.60 Call	55,000	319.2784	333.9295	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	13.73 Put	17,150	36.1911	33.0343	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	16.15 Put	17,150	542.8997	503.2960	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	20.62 Call	17,150	273.2425	276.2424	0.0000	0.0000	0	0.00		
				<u>135,958</u>					43,287.00	0.00	11 000 163.00	0.00
	Total			345,046					43,298.00	177,300.30	27 208 007.00	234 193 677 060.20
Future												
	Mar 2019	ZAFR	Future	1,143	14.1278	14.1837	0.0000	0.0000	0	0.00		
	Jun 2019	ZAFR	Future	150	14.4023	14.4600	0.0000	0.0000	0	0.00		
				<u>1,293</u>					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	326,106	18.2001	18.2221	0.0000	0.0000	0	0.00		
	Jun 2019	ZAGB	Future	5,824	18.4798	18.5038	0.0000	0.0000	0	0.00		
	Sep 2019	ZAGB	Future	16,469	18.7820	18.8089	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	Future	12,690	19.0684	19.0974	0.0000	0.0000	0	0.00		
				<u>361,089</u>					0.00	0.00	13 949 894.00	238 640 075 076.40
Option												
	Mar 2019	ZAGB	18.00 Put	500	244.9915	240.9072	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	19.00 Call	2,500	107.0983	113.3127	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	19.19 Put	1,000	1069.1839	1052.2942	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	20.00 Call	500	19.8769	22.0060	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	20.18 Call	1,500	15.2212	16.6308	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	21.44 Call	500	2.7915	2.8867	0.0000	0.0000	0	0.00		
	Jun 2019	ZAGB	18.00 Call	1,000	940.4964	958.6916	0.0000	0.0000	0	0.00		
				<u>7,500</u>					0.00	0.00	1 784 813.00	0.00
	Total			368,589					0.00	0.00	15 734 707.00	238 640 075 076.40
Future												
	Mar 2019	ZAJY	Future	10,000	0.1287	0.1290	0.0000	0.0000	0	0.00		
				<u>10,000</u>					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

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Future										
	Jun 2019	ZAKS	Future	2,166	0.1398	0.1402	0.0000	0.0000	0	0.00
				<u>2,166</u>					<u>0.00</u>	<u>0.00</u>
			Total	2,166					0.00	0.00
										38 066.00 515 662 000.00
										38 066.00 515 662 000.00
Future										
	Sep 2019	ZANZ	Future	646	9.9850	9.9886	0.0000	0.0000	0	0.00
				<u>646</u>					<u>0.00</u>	<u>0.00</u>
			Total	646					0.00	0.00
										146 792.00 1 127 677 204.60
										166 792.00 1 127 677 204.60
Future										
	Mar 2019	ZATR	Future	18,000	2.6354	2.6369	0.0000	0.0000	0	0.00
				<u>18,000</u>					<u>0.00</u>	<u>0.00</u>
			Total	18,000					0.00	0.00
										438 585.00 1 368 078 339.90
										438 585.00 1 368 078 339.90
Future										
	Mar 2019	ZAUM	Future	430	14.1760	14.2208	0.0000	0.0000	0	0.00
	Jun 2019	ZAUM	Future	10	14.3302	14.3764	0.0000	0.0000	0	0.00
				<u>440</u>					<u>0.00</u>	<u>0.00</u>
			Total	440					0.00	0.00
										155 643.00 180 623 301 640.00
										160 166.00 180 623 301 640.00
Future										
	Mar 2019	ZAUS	Future	599,453	14.1760	14.2208	14.2400	14.0999	85,493	1,213,203,597.00
	Jun 2019	ZAUS	Future	107,688	14.3302	14.3764	14.3291	14.2800	525	7,521,550.00
	Sep 2019	ZAUS	Future	18,110	14.4977	14.5462	14.5667	14.5500	303	4,409,121.50
	Dec 2019	ZAUS	Future	10,550	14.6571	14.7077	0.0000	0.0000	0	0.00
	Mar 2020	ZAUS	Future	4,566	14.8351	14.8872	0.0000	0.0000	0	0.00
				<u>740,367</u>					<u>86,321.00</u>	<u>1,225,134,268.50</u>
										195 727 002.00 2 361 664 000 799.50
Option										
	Mar 2019	ZAUS	10.33 Put	1,000	0.0162	0.0205	0.0000	0.0000	0	0.00
	Mar 2019	ZAUS	11.74 Put	1,000	0.2440	0.2846	0.0000	0.0000	0	0.00
	Mar 2019	ZAUS	12.47 Put	721	2.2451	2.5160	0.0000	0.0000	0	0.00
	Mar 2019	ZAUS	12.51 Put	720	2.5290	2.8261	0.0000	0.0000	0	0.00
	Mar 2019	ZAUS	12.80 Put	7,520	5.9761	6.4815	0.0000	0.0000	0	0.00
	Mar 2019	ZAUS	12.90 Put	16,000	8.0853	8.5788	0.0000	0.0000	0	0.00
	Mar 2019	ZAUS	12.92 Put	139,342	8.5848	9.0700	0.0000	0.0000	0	0.00
	Mar 2019	ZAUS	13.00 Put	15,434	10.8887	11.3188	0.0000	0.0000	0	0.00
	Mar 2019	ZAUS	13.05 Put	1,155	12.6130	12.9851	0.0000	0.0000	0	0.00
	Mar 2019	ZAUS	13.12 Put	138,000	15.4618	15.7141	0.0000	0.0000	0	0.00
	Mar 2019	ZAUS	13.15 Put	10,125	16.8586	17.0431	0.0000	0.0000	0	0.00
	Mar 2019	ZAUS	13.25 Put	225,407	22.4104	22.2833	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	13.33 Put	135,043	28.0239	27.5290	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	30.4435	29.7790	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	40.3834	38.5713	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Call	145	722.8171	763.5193	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	7,550	46.8171	42.7193	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	55.8759	50.9150	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Call	500	642.1336	681.0110	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	6,570	66.1336	60.2110	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.62 Put	6,432	70.5871	64.2533	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	85.1990	77.5461	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	90.4992	82.3776	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	96.0194	87.4167	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	117.1112	106.7209	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	2,100	127.0097	115.8125	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	137.4332	125.4045	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	141.0261	128.7146	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	155.9856	142.5256	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	402.0197	431.8812	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	373.5424	401.8894	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	29,200	197.5424	181.0894	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	215.8259	198.1442	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	274.2779	296.4389	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	254.2055	275.0461	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	346.8037	322.0689	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	235.4623	255.0181	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	359.4623	334.2181	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	391.9849	365.4987	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	453.5242	424.9204	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	460.5866	431.7583	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	183.6939	199.4414	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	178.0330	193.3400	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	172.5405	187.4154	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	496.5405	466.6154	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	518.6051	488.0485	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	541.0231	509.8525	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	610.2649	577.3726	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	682.2284	647.7848	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	107.5561	116.9707	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	739.8743	704.3396	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	748.2193	712.5372	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	756.5918	720.7632	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	764.9891	729.0170	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	15.00 Call	1,260	77.9652	85.0769	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	937.0010	898.8790	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	990.1430	951.4159	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1008.0050	969.0872	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1016.9624	977.9513	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	58.9616	64.3908	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1071.0593	1031.5165	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1080.1318	1040.5048	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	54.3218	59.3313	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	51.7196	56.4915	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1190.1349	1149.5920	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	40.5090	44.2439	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	37.3597	40.8003	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	36.7613	40.1457	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	3,050	34.4665	37.6346	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	32.3218	35.2872	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	26.0103	29.0055	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	19.1106	21.4424	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	18.3317	20.5859	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	16.1695	18.2048	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	12.8136	14.4959	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	9.6946	11.0325	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	8.6992	9.9227	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	6.6918	7.6774	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	5.6088	6.4602	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	3.5880	4.1756	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	3.4300	3.9959	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	1.5093	1.7942	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	1.4749	1.7544	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	1.3706	1.5679	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	1.3566	1.4560	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	1.3544	1.4529	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	1.3523	1.4498	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	1.3285	1.4145	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	1.3185	1.3988	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	1.2988	1.3647	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	1.2966	1.3343	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	1.3320	1.3518	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	2.4619	2.4809	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	26.8700	27.1707	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	45.9396	46.1055	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	52.9388	53.0209	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	12.98 Put	911	77.1221	74.2013	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	80.3126	77.2288	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	126.4077	120.9631	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	128.6593	123.1008	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.30 Put	143,800	140.3358	134.1877	0.0000	0.0000	114	0.00
Jun 2019	ZAUS	13.50 Call	10,000	1024.4655	1061.8717	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	955.9498	991.8586	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	315.3779	299.7695	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	776.3251	805.5183	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	733.4087	760.9908	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	11,000	723.0035	750.1759	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	287,700	392.8035	373.7759	0.0000	0.0000	114	0.00
Jun 2019	ZAUS	14.07 Put	39,589	427.3715	406.9218	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	495.6010	472.5096	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	523.1994	499.1027	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.30 Put	30,000	551.5338	526.4336	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	560.7820	580.8954	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	533.2877	551.6054	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	475.3676	491.0246	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	758.4047	727.0665	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	771.8700	740.2189	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	400.2712	412.2906	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	352.1816	361.7785	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	328.1722	336.5492	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	281.4105	287.8106	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	248.6611	253.6815	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	232.3499	236.6931	0.0000	0.0000	114	0.00
Jun 2019	ZAUS	15.64 Call	39,589	226.1758	230.2594	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	202.7987	206.4463	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	190.2566	193.4251	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	186.2636	189.2817	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	176.0620	178.6972	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	165.3165	167.5513	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	55.5927	54.5401	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	6.1154	6.3448	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	70.0970	66.8460	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	178.9200	168.5622	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	204.8195	193.3119	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1180.1328	1212.1411	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	351.1531	334.0071	0.0000	0.0000	2,000	0.00
Sep 2019	ZAUS	13.77 Put	28,500	378.9356	0.0000	0.0000	0.0000	28,500	0.00
Sep 2019	ZAUS	13.97 Put	800	469.1855	446.7014	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	14.00 Put	1,000	483.6135	460.6623	0.0000	0.0000	1,000	0.00		
Sep 2019	ZAUS	14.12 Put	177	543.5867	0.0000	0.0000	0.0000	177	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	590.8867	564.7084	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.50 Call	14,000	753.8783	771.9534	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.65 Put	3,000	848.8679	0.0000	0.0000	0.0000	3,000	0.00		
Sep 2019	ZAUS	15.03 Call	177	571.0797	0.0000	0.0000	0.0000	354	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1360.1167	1319.5520	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.51 Call	28,500	447.9343	0.0000	0.0000	0.0000	28,500	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1499.3311	1457.2903	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.62 Put	21	1546.6667	0.0000	0.0000	0.0000	43,287	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	376.1422	380.4134	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	193.6626	194.2793	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	165.2749	164.3387	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	154.5708	153.3868	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	150.8086	149.5413	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.27 Call	0	136.5351	0.0000	0.0000	0.0000	43,287	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	129.2754	127.5619	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	23.4107	24.3131	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	401.3555	377.7089	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.80 Put	500	456.4230	431.1868	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	14.07 Put	1,351	579.9352	549.9224	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.20 Call	500	481.8549	486.4351	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.85 Call	1,351	372.4897	374.9673	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	305.2599	306.5817	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	125.9968	126.8985	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	23.0065	21.2109	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	601.7704	571.1787	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	407.1588	407.4217	0.0000	0.0000	0	0.00		
			<u>5,002,898</u>					<u>150,447.00</u>	<u>0.00</u>	<u>65 502 477.00</u>	<u>0.00</u>
Total			5,743,265					236,768.00	1,225,134,268.50	261 229 479.00	2 361 664 000 799.50
Grand Total			7,499,979					281,301.00	1 242 924 420.60	357,502,406	3,277,455,754,491.23