



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 04-April-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Apr 2019	DAEU	Future	4	15.8666	15.9362	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	1	15.9024	15.9718	0.0000	0.0000	0	0.00
May 2019	DAEU	Future	2	16.0158	16.0857	0.0000	0.0000	0	0.00
			<u>7</u>					<i>0.00</i>	<i>0.00</i>
									<i>816 216.00</i>
									<i>12 205 897 911.20</i>
Option									
Feb 2020	DAEU	16.65 Call	21,000	1039.0660	1080.3428	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	930.0604	967.9346	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	895.1239	931.8438	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	868.8760	904.7579	0.0000	0.0000	0	0.00
			<u>66,000</u>					<i>0.00</i>	<i>0.00</i>
									<i>1 812 387.00</i>
									<i>0.00</i>
		Total	66,007					0.00	0.00
									2 628 603.00
									12 205 897 911.20
Future									
Apr 2019	DAGB	Future	43	18.5032	18.6625	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	120	18.5381	18.6971	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	18.5483	18.7067	0.0000	0.0000	0	0.00
May 2019	DAGB	Future	91	18.6478	18.8079	0.0000	0.0000	0	0.00
			<u>281</u>					<i>0.00</i>	<i>0.00</i>
									<i>67 179.00</i>
									<i>1 127 353 682.20</i>
		Total	281					0.00	0.00
									274 492.00
									1 127 353 682.20
Future									
Apr 2019	DAUS	Future	0	14.1574	14.1585	0.0000	0.0000	10,000	141,574,000.00
Apr 2019	DAUS	Future	2,025	14.1164	14.1602	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,830	14.1334	14.1773	0.0000	0.0000	70	994,000.00
Apr 2019	DAUS	Future	349	14.1522	14.1958	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	15	14.1578	14.2010	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	4,563	14.1597	14.2027	0.0000	0.0000	16	227,958.40
May 2019	DAUS	Future	303	14.1721	14.2146	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	25,000	14.1754	14.2180	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	93	14.1819	14.2248	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>		
May 2019	DAUS	Future	4,322	14.1852	14.2282	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	387	14.2081	14.2519	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	452	14.2114	14.2553	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.2180	14.2621	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	2,421	14.2589	14.3031	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.2640	14.3083	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	1,029	14.3156	14.3598	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.3173	14.3615	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	2,229	14.3673	14.4113	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.3725	14.4165	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.3759	14.4199	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	3,757	14.3915	14.4356	0.0000	0.0000	140	2,023,840.00		
Sep 2019	DAUS	Future	98	14.4210	14.4652	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.4245	14.4687	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	153	14.4746	14.5199	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	Future	97	14.5263	14.5713	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.5317	14.5766	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.5353	14.5802	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	45	14.5832	14.6278	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.5867	14.6313	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.6383	14.6840	0.0000	0.0000	0	0.00		
Feb 2020	DAUS	Future	3,500	14.6890	14.7348	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.6945	14.7403	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.7503	14.7973	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.8023	14.8489	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.8682	14.9140	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.9747	15.0206	0.0000	0.0000	0	0.00		
			<u>138,742</u>					<u>10,226.00</u>	<u>144,819,798.40</u>	<u>12 021 596.00</u>	<u>149 760 384 903.30</u>

Option

Apr 2019	DAUS	13.76 Put	100	1.4127	2.5828	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	5.2923	21.1473	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.40 Put	35,000	286.7662	255.5916	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.40 Call	20,000	63.7202	84.7872	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.44 Call	60,000	55.1234	74.7135	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.45 Call	40,000	53.1375	72.3658	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Call	25,000	160.4996	189.8379	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.50 Call	50,000	73.1559	92.2812	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.55 Call	25,000	63.8075	81.4040	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	4.3710	4.7914	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	686.8033	731.6161	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.95 Put	734	119.9846	115.8490	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Call	734	200.0681	230.0620	0.0000	0.0000	0	0.00

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Apr 2019	DAUS	14.20 Put	250	240.3681	227.3620	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	270.8427	256.3812	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.45 Call	734	118.2773	141.0300	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	50.3479	63.6484	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	6.0371	11.5812	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	2.9009	5.2260	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	534.2687	576.5710	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	246.8353	280.5208	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	284.3078	314.7755	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	65.5880	77.5922	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	45.3138	54.4343	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	18.6764	16.9239	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	348.0686	336.0738	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	376.9929	362.6920	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	130.9903	147.1351	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	47.7195	56.1075	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	28.0075	34.2520	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	203.0744	194.1863	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	301.1361	288.4261	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	345.7692	331.4548	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	18,000	399.3815	383.2448	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	42.1537	40.8121	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	317.0413	305.6181	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	406.3438	392.2642	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	433.3167	418.4820	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	179.0204	193.9970	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	153.0678	166.3741	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	82.5746	91.1018	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	57.8676	64.3089	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	69.6570	67.7261	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	456.4361	442.6357	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	483.1114	468.6818	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	227.0836	242.3814	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	120.7566	130.2392	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	91.3439	98.8276	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	633.9151	615.8115	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	121.5005	130.4520	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	93.6542	91.4699	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	493.7519	480.2571	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	520.2131	506.1518	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	259.8762	275.0357	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	149.7637	159.6047	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Aug 2019	DAUS	16.70 Call	250	117.3546	125.3232	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	42.9333	47.0009	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	116.3596	113.9987	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	524.6335	511.4355	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	550.8698	537.1490	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	292.7167	308.1541	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	178.5071	188.9345	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	142.5130	151.0356	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	138.1274	135.0009	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	553.9406	540.2208	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	580.0878	565.8688	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	321.0401	336.3034	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	204.6557	215.4195	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	167.4489	176.4644	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	155.6635	151.9447	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	576.6130	562.8023	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	602.6538	588.3804	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	347.0852	362.3657	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	228.7585	239.6186	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	190.5044	199.7273	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	172.8846	167.5373	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	598.5080	583.9643	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	624.3903	609.4084	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	371.9902	386.2784	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	254.1999	264.3984	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	215.1310	223.8623	0.0000	0.0000	0	0.00		
			<u>685,696</u>					<u>0.00</u>	<u>0.00</u>	<u>24 465 894.00</u>	<u>0.00</u>
Total			824,438					10,226.00	144,819,798.40	36 487 490.00	149 760 384 903.30
Future											
Jun 2019	EUUS	Future	5	1.1283	1.1297	0.0000	0.0000	0	0.00		
Sep 2019	EUUS	Future	143	1.1371	1.1386	0.0000	0.0000	0	0.00		
			<u>148</u>					<u>0.00</u>	<u>0.00</u>	<u>746 137.00</u>	<u>8 464 558 774.00</u>
Total			148					0.00	0.00	746 137.00	8 464 558 774.00
Future											
Jun 2019	GBUS	Future	5	1.3131	1.3203	0.0000	0.0000	0	0.00		
			<u>5</u>					<u>0.00</u>	<u>0.00</u>	<u>176 170.00</u>	<u>2 268 656 737.00</u>
Total			5					0.00	0.00	176 170.00	2 268 656 737.00
Future											
Jun 2019	ZAAD	Future	15,806	10.1372	10.1826	10.1861	10.1452	2,129	21,742,283.30		

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Sep 2019	ZAAD	Future	1,731	10.2721	10.3176	0.0000	0.0000	0	0.00
Dec 2019	ZAAD	Future	400	10.4021	10.4478	0.0000	0.0000	0	0.00
			<u>17,937</u>					<u>2,129.00</u>	<u>21,742,283.30</u>
									<u>3 874 344.00</u>
									<u>33 983 842 868.50</u>
Option									
Dec 2019	ZAAD	11.00 Call	1,000	233.1251	247.4595	0.0000	0.0000	0	0.00
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>
									<u>34 377.00</u>
									<u>0.00</u>
		Total	18,937					2,129.00	21,742,283.30
									3 908 721.00
									33 983 842 868.50
Future									
Jun 2019	ZACA	Future	2,600	10.6804	10.7383	0.0000	0.0000	0	0.00
Sep 2019	ZACA	Future	415	10.8249	10.8829	0.0000	0.0000	0	0.00
			<u>3,015</u>					<u>0.00</u>	<u>0.00</u>
									<u>157 098.00</u>
		Total	3,015					0.00	0.00
									157 098.00
									1 564 876 030.10
Future									
Jun 2019	ZADK	Future	485	2.1526	2.1622	0.0000	0.0000	0	0.00
			<u>485</u>					<u>0.00</u>	<u>0.00</u>
									<u>14 560.00</u>
		Total	485					0.00	0.00
									14 560.00
									314 568 939.00
Future									
Jun 2019	ZAEU	Future	120,634	16.0614	16.1319	16.2000	16.2000	7,005	113,036,500.00
Sep 2019	ZAEU	Future	42,836	16.3708	16.4419	16.4325	16.4325	1	16,432.50
Dec 2019	ZAEU	Future	32,686	16.6657	16.7387	0.0000	0.0000	0	0.00
Mar 2020	ZAEU	Future	4,361	16.9885	17.0632	0.0000	0.0000	0	0.00
			<u>200,517</u>					<u>7,006.00</u>	<u>113,052,932.50</u>
									<u>16 696 349.00</u>
									<u>242 245 917 270.70</u>
Option									
Jun 2019	ZAEU	15.35 Put	570	132.4434	118.8733	0.0000	0.0000	0	0.00
Jun 2019	ZAEU	16.64 Call	300	230.2446	254.0898	0.0000	0.0000	0	0.00
Jun 2019	ZAEU	16.73 Put	500	877.9371	829.5518	0.0000	0.0000	0	0.00
Sep 2019	ZAEU	15.62 Put	14,429	301.3912	283.3274	0.0000	0.0000	0	0.00
Sep 2019	ZAEU	15.85 Put	587	393.4530	371.3090	0.0000	0.0000	0	0.00
Sep 2019	ZAEU	18.27 Call	14,429	197.7803	212.0748	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	13.73 Put	17,150	39.6152	37.8699	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	14.09 Put	136,646	63.5564	60.6379	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	14.23 Put	61,500	75.6318	72.1211	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	15.70 Put	136,646	372.6986	354.8221	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	15.85 Put	61,500	426.8514	406.9595	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	16.15 Put	17,150	560.7590	534.6220	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	19.79 Call	136,646	200.5654	211.7357	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	19.80 Call	61,500	199.7387	210.8702	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	20.62 Call	17,150	159.8259	165.9623	0.0000	0.0000	0	0.00

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			676,703					0.00	0.00	12 048 500.00	0.00	
		Total	877,220					7,006.00	113,052,932.50	28 744 849.00	242 245 917 270.70	
Future												
	Jun 2019	ZAFR	Future	993	14.3335	14.4217	0.0000	0.0000	0	0.00		
	Sep 2019	ZAFR	Future	300	14.6242	14.7134	0.0000	0.0000	0	0.00		
				1,293				0.00	0.00	632 902.00	6 845 970 775.90	
		Total	1,293					0.00	0.00	632 902.00	6 845 970 775.90	
Future												
	Jun 2019	ZAGB	Future	119,481	18.6918	18.8526	18.9299	18.7800	6,519	122,752,872.00		
	Sep 2019	ZAGB	Future	21,418	18.9892	19.1520	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	Future	12,845	19.2701	19.4353	0.0000	0.0000	0	0.00		
	Mar 2020	ZAGB	Future	4,674	19.5733	19.7433	0.0000	0.0000	0	0.00		
				158,418					6,519.00	122,752,872.00	14 670 833.00	252 293 014 631.30
Option												
	Jun 2019	ZAGB	18.00 Call	1,000	927.8205	1059.5660	0.0000	0.0000	0	0.00		
	Sep 2019	ZAGB	19.15 Put	500	878.6515	803.2036	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	18.75 Put	500	733.5807	680.6074	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	22.13 Call	500	266.2677	299.5599	0.0000	0.0000	0	0.00		
				2,500					0.00	0.00	1 790 813.00	0.00
		Total	160,918					6,519.00	122,752,872.00	16 461 646.00	252 293 014 631.30	
Future												
	Jun 2019	ZAKS	Future	2,166	0.1395	0.1397	0.0000	0.0000	0	0.00		
				2,166				0.00	0.00	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	9.7590	9.8392	0.0000	0.0000	0	0.00		
				646				0.00	0.00	146 792.00	1 127 677 204.60	
		Total	646					0.00	0.00	166 792.00	1 127 677 204.60	
Future												
	Jun 2019	ZATR	Future	3,646	2.4448	2.4094	0.0000	0.0000	0	0.00		
				3,646				0.00	0.00	556 277.00	1 668 453 313.10	
		Total	3,646					0.00	0.00	556 277.00	1 668 453 313.10	
Future												
	Jun 2019	ZAUM	Future	485	14.2349	14.2792	0.0000	0.0000	0	0.00		
				485				0.00	0.00	156 738.00	182 213 919 840.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Total			485					0.00	0.00	161 261.00	182 213 919 840.00
Future											
Jun 2019	ZAUS	Future	870,257	14.2349	14.2792	14.3303	14.2339	34,244	489,500,322.90		
Sep 2019	ZAUS	Future	26,409	14.3967	14.4408	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	Future	22,753	14.5513	14.5960	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	10,345	14.7197	14.7660	0.0000	0.0000	706	10,432,067.80		
Jun 2020	ZAUS	Future	700	14.8875	14.9332	0.0000	0.0000	0	0.00		
			930,464					34,950.00	499,932,390.70	202 441 952.00	2 458 433 808 648.30
Option											
Jun 2019	ZAUS	10.69 Put	1,000	0.3850	0.3951	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	6.9845	7.5962	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.65 Put	1,050	11.7599	12.9435	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	13.6331	15.0331	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.92 Put	2,100	22.3331	22.0822	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	27.1631	26.7185	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.00 Put	165,703	28.9434	28.4235	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.10 Put	14,000	39.2406	38.2632	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.22 Put	122,704	55.0438	53.3102	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	58.0810	56.1984	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.25 Put	4,582	59.6461	57.6863	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.28 Put	122,704	64.5267	62.3235	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.30 Put	143,800	67.9388	65.5654	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.35 Put	4,317	77.0437	74.2131	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.50 Call	7,500	844.4925	884.3095	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.60 Call	700	770.9536	809.5342	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.60 Put	700	136.0536	130.3342	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	212.2816	203.6396	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.90 Call	100	574.7865	609.4446	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.91 Put	1,000	243.9993	234.2110	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	1,000	528.8831	562.3462	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.00 Call	27,500	517.8303	550.9892	0.0000	0.0000	7,500	0.00		
Jun 2019	ZAUS	14.00 Put	301,700	282.9303	271.7892	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.06 Put	2,100	310.7894	298.7097	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.07 Put	39,589	315.5789	303.3410	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.20 Put	13,600	381.6237	367.2834	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.25 Put	1,982	408.8585	393.6923	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.30 Put	30,000	438.4136	421.0865	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.35 Call	1,050	353.8358	379.9328	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	328.1366	353.0153	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.44 Put	31,500	526.2162	506.4520	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	275.8153	297.9986	0.0000	0.0000	0	0.00		

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Jun 2019	ZAUS	14.63 Put	8,203	656.2707	633.3427	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	670.6269	647.3770	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.66 Call	122,704	252.7486	273.6412	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.72 Call	122,704	236.6958	256.6461	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	1,000	229.0490	248.5415	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.78 Call	250	221.6470	240.6862	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	212.1485	230.5934	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	174.1349	190.1624	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	155.9640	170.7587	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	125.2551	137.8158	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	122.5537	134.9062	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	100.8353	111.4645	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	92.5382	102.4742	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	90.5802	100.3517	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	86.7987	96.2445	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	84.8830	94.2609	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	78.2532	87.4220	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	72.1486	80.8061	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	65.0048	73.0434	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	62.7878	70.6294	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	57.2480	64.5875	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	51.6140	58.4240	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	5.3693	6.2040	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	4.8053	4.8709	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	50.9497	50.2443	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	87.3045	86.6348	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	109.5090	107.1546	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	134.5771	131.5359	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	156.4901	152.8456	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1015.8666	1053.2625	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	286.2304	279.0780	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	313.2505	305.3499	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.80 Put	14,000	325.2774	317.0484	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.90 Put	5,908	367.2843	357.9305	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.92 Put	2,149	376.0411	366.4540	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	398.4396	388.2657	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	412.2296	401.7003	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	469.9766	457.9969	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	515.9656	502.8699	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	564.1888	549.9666	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	597.5547	582.5734	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.46 Put	17,287	656.0603	639.1575	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	14.50 Call	14,000	577.0920	603.8259	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Put	14,000	680.3920	663.0259	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	775.1422	756.0399	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.70 Put	1,000	807.9085	788.2394	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.82 Put	1,000	888.8301	867.8198	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	909.5497	888.2080	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	412.5956	433.7476	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	404.3934	425.2339	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	371.0111	390.3376	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1304.8036	1277.9807	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	295.7074	311.8606	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1449.7104	1421.3461	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	235.5233	249.0367	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.66 Call	2,149	142.9998	151.9725	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.67 Call	14,000	142.1307	151.0568	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	108.7647	115.7707	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	105.0604	111.8425	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	102.0879	108.6932	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	86.5383	91.3507	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	80.6071	85.0980	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	78.5536	82.9311	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	67.1109	70.8542	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	25.2338	23.3530	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	136.8286	132.6220	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	163.3571	158.8603	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.03 Put	69,000	169.9520	165.3918	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	348.9817	341.4327	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	400.5440	392.0268	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	461.3570	450.0552	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	34,000	488.8925	477.0558	0.0000	0.0000	7,500	0.00
Dec 2019	ZAUS	14.07 Put	1,351	522.1018	509.6485	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	526.9444	514.4000	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	536.6912	523.9690	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.11 Put	24,055	541.6046	528.7910	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.12 Put	69,000	546.5368	533.6364	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	699.5971	684.0771	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	415.6031	432.5327	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	354.3438	369.6116	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.20 Call	50,100	342.3973	357.2380	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.25 Call	26,000	334.1476	348.6928	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.35 Call	4,150	318.3312	332.2902	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.37 Call	500	315.2716	329.1183	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	16.55 Call	24,055	289.2350	302.1023	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.85 Call	1,351	251.2752	262.6535	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.99 Call	69,000	235.6227	246.3682	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.02 Call	139,860	232.4245	243.0406	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	197.9063	207.0770	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	72.9487	77.5040	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	47.4134	45.6874	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	12.96 Put	277,778	203.6531	198.1406	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.06 Put	275,862	227.6990	221.6916	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.19 Put	272,897	261.7163	255.0319	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.78 Put	60,000	454.9165	444.9392	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	548.9555	537.1231	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.40 Put	277,778	746.6110	730.1836	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.51 Put	275,862	807.7914	790.4684	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.66 Put	272,897	894.8567	876.3238	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.60 Call	277,778	433.0246	447.7576	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.81 Call	275,862	399.6189	413.3527	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.04 Call	272,897	366.6244	379.3500	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	289.2476	297.6762	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.88 Call	60,000	279.9675	288.0152	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	11.90 Put	900	71.7297	70.5039	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	14.25 Put	900	730.2961	716.5498	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	17.26 Call	900	494.8189	510.4877	0.0000	0.0000	0	0.00		
			<u>5,903,392</u>					<u>15,000.00</u>	<u>0.00</u>	<u>71 657 816.00</u>	<u>0.00</u>
	Total		6,833,856					49,950.00	499,932,390.70	274 099 768.00	2 458 433 808 648.30
	Grand Total		8,793,546					75,830.00	902 300 276.90	374,643,952	3,408,980,982,866.02