



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 25-April-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Apr 2019	DAEU	Future	1	16.0937	16.1367	0.0000	0.0000	0	0.00
May 2019	DAEU	Future	2	16.2093	16.2518	0.0000	0.0000	0	0.00
			<u>3</u>					<u>0.00</u>	<u>0.00</u>
									<u>816 225.00</u>
									<u>12 206 040 273.80</u>
Option									
Feb 2020	DAEU	16.65 Call	21,000	1080.8026	1091.6368	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	961.9585	969.8141	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	923.9067	930.8044	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	895.3581	901.5366	0.0000	0.0000	0	0.00
			<u>66,000</u>					<u>0.00</u>	<u>0.00</u>
		Total	66,003					0.00	0.00
									<u>2 628 612.00</u>
									<u>12 206 040 273.80</u>
Future									
Apr 2019	DAGB	Future	92	18.6356	18.6600	0.0000	0.0000	28	522,844.00
Apr 2019	DAGB	Future	27	18.6453	18.6697	0.0000	0.0000	0	0.00
May 2019	DAGB	Future	119	18.7482	18.7715	0.0000	0.0000	28	526,022.00
Jun 2019	DAGB	Future	49	18.8375	18.8608	0.0000	0.0000	0	0.00
			<u>287</u>					<u>56.00</u>	<u>1,048,866.00</u>
		Total	287					56.00	1,048,866.00
									<u>67 352.00</u>
									<u>1 130 562 391.50</u>
Future									
Apr 2019	DAUS	Future	113	14.4400	14.4028	0.0000	0.0000	236	3,417,681.20
Apr 2019	DAUS	Future	15	14.4451	14.4080	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	4,000	14.4468	14.4097	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	85,000	14.4589	14.4217	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	25,000	14.4623	14.4251	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	93	14.4690	14.4317	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	2	14.4724	14.4351	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	387	14.4971	14.4592	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	327	14.5006	14.4626	0.0000	0.0000	236	3,432,030.00
Jun 2019	DAUS	Future	74	14.5075	14.4695	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	DAUS	Future	2,381	14.5495	14.5111	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.5547	14.5163	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	175	14.5600	14.5215	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	1,460	14.6079	14.5687	0.0000	0.0000	478	7,031,141.00
Aug 2019	DAUS	Future	55	14.6098	14.5705	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	2,336	14.6624	14.6219	0.0000	0.0000	120	1,771,980.00
Sep 2019	DAUS	Future	55	14.6678	14.6273	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	14.6714	14.6308	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	3,757	14.6875	14.6467	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	98	14.7182	14.6769	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.7219	14.6804	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	153	14.7750	14.7324	0.0000	0.0000	0	0.00
Nov 2019	DAUS	Future	97	14.8283	14.7857	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.8335	14.7913	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.8370	14.7950	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	45	14.8848	14.8447	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.8885	14.8483	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.9420	14.9012	0.0000	0.0000	0	0.00
Feb 2020	DAUS	Future	3,500	14.9945	14.9532	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.0003	14.9587	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.0598	15.0161	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.1108	15.0670	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.1778	15.1327	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.2884	15.2411	0.0000	0.0000	0	0.00
			<u>215,013</u>					<u>1,070.00</u>	<u>15,652,832.20</u>
									<u>12 210 100.00</u>
									<u>152 420 777 841.10</u>
Option									
Apr 2019	DAUS	13.00 Put	3,000	0.0380	0.0430	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	957.0175	920.1332	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.95 Put	734	3.7957	6.6073	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Call	734	268.5655	239.9735	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	21.7655	30.2735	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	29.9149	40.2220	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.45 Call	734	89.7066	78.1286	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	13.7656	11.8998	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	0.2187	0.2460	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	0.0171	0.0187	0.0000	0.0000	0	0.00
May 2019	DAUS	13.75 Put	22,000	8.1942	6.9400	0.0000	0.0000	0	0.00
May 2019	DAUS	13.95 Call	20,000	532.5279	491.3020	0.0000	0.0000	0	0.00
May 2019	DAUS	14.03 Call	65,000	463.3052	420.4588	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	750.9758	713.0800	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	345.2181	298.4026	0.0000	0.0000	0	0.00
May 2019	DAUS	14.18 Put	40,000	79.6099	72.9672	0.0000	0.0000	0	0.00

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May 2019	DAUS	13.75 Put	20,000	10.9962	13.4857	0.0000	0.0000	0	0.00
May 2019	DAUS	13.90 Put	2,000	26.9093	30.4316	0.0000	0.0000	0	0.00
May 2019	DAUS	14.00 Put	2,000	44.3113	0.0000	0.0000	0.0000	2,000	0.00
May 2019	DAUS	14.40 Call	40,000	261.5500	230.2037	0.0000	0.0000	0	0.00
May 2019	DAUS	14.60 Call	40,000	177.2337	150.8595	0.0000	0.0000	0	0.00
May 2019	DAUS	15.00 Call	2,000	77.7312	0.0000	0.0000	0.0000	2,000	0.00
May 2019	DAUS	15.10 Call	40,000	62.9871	50.2003	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	357.1079	324.8596	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	51.9100	42.8577	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	29.3947	23.7790	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	50,000	120.9209	133.2520	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	4.2447	4.6895	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	139.0063	150.0563	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	158.1417	170.2241	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	123.1410	113.0599	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	34.0767	30.7577	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	17.4849	15.3892	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	57.7360	61.7589	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	113.8450	121.2346	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	143.2133	152.1855	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	8.0607	8.3618	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	136.8696	141.5841	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	200.1407	207.2266	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	220.4182	228.2369	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	177.0306	162.6049	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	146.6555	134.0964	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	69.9388	63.2614	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	43.1295	38.2462	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	18.5403	16.2009	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	254.8834	261.1514	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	275.8691	282.6637	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	230.9678	214.2434	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	111.7359	102.5385	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	79.8699	72.8535	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	404.3782	413.2124	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	113.4977	104.1321	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	35.7484	33.3186	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	297.1102	302.4175	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	318.5268	324.2931	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	268.9711	250.4441	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	145.4880	134.0636	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	109.9062	100.8975	0.0000	0.0000	0	0.00

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Sep 2019	DAUS	19.00 Call	20,000	21.2574	18.5456	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	53.2499	50.5439	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	331.7832	335.9905	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	353.4294	358.0755	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	305.6765	285.5865	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	177.8747	164.6214	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	138.0841	127.4021	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	70.0850	67.3382	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	363.5657	366.9517	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	385.3817	389.1696	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	335.0606	314.0127	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	206.0138	191.5101	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	164.9933	152.9898	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	83.9957	81.7636	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	390.1860	393.5123	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	412.1795	415.8790	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	366.0358	344.9295	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	234.3383	219.3042	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	191.8469	179.2064	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	96.9437	95.0116	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	415.3204	417.4745	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	437.4214	439.8930	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	393.5556	373.2067	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	261.8171	247.0137	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	218.4839	205.7164	0.0000	0.0000	0	0.00		
			<u>755,496</u>					<u>4,000.00</u>	<u>0.00</u>	<u>25 001 994.00</u>	<u>0.00</u>
Total			970,509					5,070.00	15,652,832.20	37 212 094.00	152 420 777 841.10
Future											
Jun 2019	EUUS	Future	5	1.1192	1.1250	0.0000	0.0000	0	0.00		
Sep 2019	EUUS	Future	143	1.1280	1.1339	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	702	1.2938	1.2988	0.0000	0.0000	0	0.00		
			<u>702</u>					<u>0.00</u>	<u>0.00</u>	<u>176 872.00</u>	<u>2 277 876 069.00</u>
Total			702					0.00	0.00	176 872.00	2 277 876 069.00
Future											
Jun 2019	ZAAD	Future	26,408	10.1978	10.2050	0.0000	0.0000	12,364	126,646,924.80		
Sep 2019	ZAAD	Future	1,913	10.3402	10.3458	10.3613	10.3613	400	4,144,520.00		

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Dec 2019	ZAAD	Future	400	10.4769	10.4822	0.0000	0.0000	0	0.00
Mar 2020	ZAAD	Future	0	10.6251	10.6291	10.6519	10.6519	150	1,597,785.00
			<u>28,721</u>					<u>12,914.00</u>	<u>132,389,229.80</u>
									<u>3 901 681.00</u>
									<u>34 262 214 732.20</u>
Option									
Dec 2019	ZAAD	11.00 Call	1,000	222.5910	218.2497	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	29,721					12,914.00	132,389,229.80
									<u>3 936 058.00</u>
									<u>34 262 214 732.20</u>
Future									
Jun 2019	ZACA	Future	1,950	10.7767	10.7536	0.0000	0.0000	0	0.00
Sep 2019	ZACA	Future	1,415	10.9247	10.8998	0.0000	0.0000	0	0.00
			<u>3,365</u>					<u>0.00</u>	<u>0.00</u>
		Total	3,365					0.00	0.00
									<u>158 748.00</u>
									<u>1 582 548 950.10</u>
Future									
Jun 2019	ZADK	Future	1,485	2.1778	2.1835	0.0000	0.0000	0	0.00
			<u>1,485</u>					<u>0.00</u>	<u>0.00</u>
		Total	1,485					0.00	0.00
									<u>16 060.00</u>
									<u>346 832 339.00</u>
Future									
Jun 2019	ZAEU	Future	116,989	16.2557	16.2981	16.3494	16.3494	14,730	240,061,554.00
Sep 2019	ZAEU	Future	40,097	16.5730	16.6133	0.0000	0.0000	930	15,490,173.00
Dec 2019	ZAEU	Future	32,686	16.8724	16.9133	0.0000	0.0000	0	0.00
Mar 2020	ZAEU	Future	4,361	17.2034	17.2433	0.0000	0.0000	0	0.00
			<u>194,133</u>					<u>15,660.00</u>	<u>255,551,727.00</u>
									<u>16 742 962.00</u>
									<u>243 001 548 494.90</u>
Option									
Jun 2019	ZAEU	15.35 Put	570	40.5934	39.0343	0.0000	0.0000	0	0.00
Jun 2019	ZAEU	16.64 Call	300	197.8972	212.4973	0.0000	0.0000	0	0.00
Jun 2019	ZAEU	16.73 Put	500	649.7498	620.5376	0.0000	0.0000	0	0.00
Sep 2019	ZAEU	15.62 Put	14,429	174.6122	161.7570	0.0000	0.0000	0	0.00
Sep 2019	ZAEU	15.85 Put	587	246.1298	229.5299	0.0000	0.0000	0	0.00
Sep 2019	ZAEU	18.27 Call	14,429	179.7468	182.6374	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	13.73 Put	17,150	26.0216	24.5111	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	14.09 Put	136,646	39.9475	37.2829	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	14.23 Put	61,500	46.9659	43.7073	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	15.70 Put	136,646	251.7124	235.1252	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	15.85 Put	61,500	297.4177	278.8408	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	16.15 Put	17,150	407.4494	384.7924	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	19.79 Call	136,646	185.2116	184.6666	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	19.80 Call	61,500	184.3785	183.8269	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	20.62 Call	17,150	127.2032	126.5670	0.0000	0.0000	0	0.00

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			676,703					0.00	0.00	12 048 500.00	0.00
		Total	870,836					15,660.00	255,551,727.00	28 791 462.00	243 001 548 494.90
Future											
	Jun 2019 ZAFR	Future	1,193	14.3045	14.3082	0.0000	0.0000	0	0.00		
	Sep 2019 ZAFR	Future	450	14.5976	14.5989	0.0000	0.0000	0	0.00		
			1,643					0.00	0.00	633 252.00	6 850 953 850.90
		Total	1,643					0.00	0.00	633 252.00	6 850 953 850.90
Future											
	Jun 2019 ZAGB	Future	118,669	18.7927	18.8161	18.8770	18.8770	10,009	188,987,393.00		
	Sep 2019 ZAGB	Future	24,418	19.0959	19.1165	19.1521	19.0702	1,005	19,172,810.50		
	Dec 2019 ZAGB	Future	12,845	19.3780	19.3993	0.0000	0.0000	0	0.00		
	Mar 2020 ZAGB	Future	6,274	19.6857	19.7059	0.0000	0.0000	0	0.00		
			162,206					11,014.00	208,160,203.50	14 777 550.00	254 283 283 539.30
Option											
	Jun 2019 ZAGB	18.00 Call	1,000	893.7194	910.1433	0.0000	0.0000	0	0.00		
	Sep 2019 ZAGB	19.15 Put	500	712.8305	691.5197	0.0000	0.0000	0	0.00		
	Dec 2019 ZAGB	18.75 Put	500	595.8664	573.1391	0.0000	0.0000	0	0.00		
	Dec 2019 ZAGB	22.13 Call	500	236.3901	233.7590	0.0000	0.0000	0	0.00		
			2,500					0.00	0.00	1 790 813.00	0.00
		Total	164,706					11,014.00	208,160,203.50	16 568 363.00	254 283 283 539.30
Future											
	Jun 2019 ZAKS	Future	2,166	0.1422	0.1417	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	9.7583	9.7161	0.0000	0.0000	0	0.00		
			646					0.00	0.00	147 042.00	1 130 048 204.60
		Total	646					0.00	0.00	167 042.00	1 130 048 204.60
Future											
	Jun 2019 ZAUM	Future	454	14.5250	14.4869	0.0000	0.0000	0	0.00		
			454					0.00	0.00	156 788.00	182 284 460 340.00
		Total	454					0.00	0.00	161 311.00	182 284 460 340.00
Future											
	Jun 2019 ZAUS	Future	835,129	14.5250	14.4869	14.6395	14.5200	90,158	1,314,023,141.60		
	Sep 2019 ZAUS	Future	27,618	14.6929	14.6520	14.7900	14.7764	39	576,420.40		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Dec 2019	ZAUS	Future	22,753	14.8528	14.8116	14.9377	14.9377	15	224,065.50		
Mar 2020	ZAUS	Future	10,345	15.0273	14.9845	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	Future	700	15.1975	15.1520	0.0000	0.0000	0	0.00		
			<u>896,545</u>					<u>90,212.00</u>	<u>1,314,823,627.50</u>	<u>203 358 744.00</u>	<u>2 471 545 893 164.40</u>

Option

Jun 2019	ZAUS	10.69 Put	1,000	0.0345	0.0337	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	0.9967	0.9859	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	2.6423	2.6430	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	3.4299	3.4419	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.92 Put	2,100	5.3283	5.3772	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	6.2185	6.2882	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	6.5463	6.6240	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.10 Put	14,000	8.6757	8.7887	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.22 Put	122,704	12.4325	12.5837	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	13.1852	13.3448	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	13.5769	13.7405	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.28 Put	122,704	14.8149	14.9933	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.30 Put	143,800	15.6958	15.8847	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.35 Put	4,317	18.1070	18.3259	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	7,500	1052.4393	1014.6969	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	960.8054	923.2125	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Put	700	35.8054	36.3125	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	65.1710	68.8145	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	705.2666	671.6542	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.91 Put	1,000	82.6050	87.2217	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	645.3122	612.7851	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	15,000	630.8081	598.5724	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	301,700	105.8081	111.6724	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.06 Put	2,100	123.4971	130.2752	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	126.6215	133.5604	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	171.9718	181.1096	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,982	191.7779	201.8204	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.30 Put	30,000	212.9075	223.8804	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	410.3530	384.1770	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	373.9713	349.1534	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	302.1032	280.4212	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	387.7981	405.1818	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	400.3996	418.1630	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.66 Call	122,704	271.7668	251.6201	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.72 Call	122,704	250.8949	231.8710	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	2,000	241.0354	222.5572	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	219.4397	202.2111	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	15.00 Call	17,500	172.1861	157.9204	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	150.4618	137.6774	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	114.7765	104.3399	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	111.6506	101.4511	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	87.1484	78.8807	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	78.1123	70.5945	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	76.0102	68.6699	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	71.9823	64.9843	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	70.0519	63.2212	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	63.7192	57.4399	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	57.9901	52.2209	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	51.4222	46.2493	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	49.4136	44.4262	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	44.4505	39.1099	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	38.0686	33.3621	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	1.5455	1.3250	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	1.8103	1.7093	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	22.4319	22.4292	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	37.2176	36.8271	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	45.5869	44.9765	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	54.2828	53.4510	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	64.5395	63.7126	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1180.8049	1140.1228	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	150.0157	150.4546	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.75 Put	1,000	162.8373	163.5222	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	168.1687	168.9578	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.80 Put	14,000	176.3836	177.3372	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.90 Put	5,908	205.6955	207.2579	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.92 Put	2,149	211.9204	213.9462	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	228.3637	231.2479	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	238.9339	242.0284	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.04 Call	1,000	906.3865	868.8694	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	284.1566	288.1532	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	321.1578	325.8935	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.25 Call	500	781.3439	745.5270	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	360.7793	366.3072	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	388.6390	394.7132	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.46 Put	17,287	437.5916	444.6255	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	16,000	650.9399	617.4724	0.0000	0.0000	2,000	0.00
Sep 2019	ZAUS	14.50 Put	14,000	458.0399	465.4724	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	539.0337	548.0053	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.70 Put	1,000	567.5010	577.8215	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	14.75 Call	1,000	540.2938	510.3550	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.82 Put	1,000	640.4098	652.2739	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	659.2508	671.5049	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	449.8675	423.1496	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	440.0867	413.7506	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	400.1355	375.4403	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1027.9708	1046.8451	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	310.3418	289.8583	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1166.5259	1187.4960	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	240.5014	223.7737	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.66 Call	2,149	138.3543	127.5311	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.67 Call	14,000	137.4009	126.6417	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	101.3803	93.1581	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	97.4584	89.5248	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	94.3244	86.6251	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	72.6774	66.2921	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	62.4143	56.5835	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	58.8941	53.2914	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	40.0681	35.7815	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	14.1157	14.9226	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	74.1755	74.1974	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	89.4369	89.0626	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.03 Put	69,000	93.2871	92.8085	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	217.1034	215.9115	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	257.7831	257.0378	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	303.1235	302.9394	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	34,000	324.0079	324.0984	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	349.4780	350.4972	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	353.2144	354.5718	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	360.7607	362.8058	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.11 Put	24,055	364.8542	366.9609	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.12 Put	69,000	368.9741	371.1429	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	499.7620	503.9532	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	444.1473	420.6606	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	375.0450	354.5023	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.20 Call	50,100	362.0606	342.1057	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.25 Call	21,000	353.1164	333.5733	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.35 Call	4,150	336.0087	316.7797	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.37 Call	500	332.5133	313.4435	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.55 Call	24,055	302.8599	285.1366	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	259.9293	244.2852	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.99 Call	69,000	242.3543	227.6015	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	17.02 Call	139,860	238.7726	224.2053	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	200.3656	187.8601	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	51.4897	46.6807	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	17.4305	17.3628	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	12.96 Put	277,778	113.7335	112.6671	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.06 Put	275,862	131.8698	130.6512	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.19 Put	272,897	158.2976	156.8724	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.78 Put	60,000	316.2930	314.8817	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	394.9377	394.1498	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.40 Put	277,778	556.7552	559.4396	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.51 Put	275,862	611.0428	614.4379	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.66 Put	272,897	689.1823	693.6016	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.60 Call	277,778	462.5901	439.8985	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.81 Call	275,862	424.5579	403.3335	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.04 Call	272,897	387.1256	367.4269	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	296.8899	281.2014	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.88 Call	60,000	280.9273	265.9985	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	11.90 Put	900	39.0466	35.1827	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	14.25 Put	900	540.2813	539.3795	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	17.26 Call	900	502.7805	479.6680	0.0000	0.0000	0	0.00		
			<u>5,860,642</u>					<u>2,000.00</u>	<u>0.00</u>	<u>71 815 316.00</u>	<u>0.00</u>
		Total	6,757,187					92,212.00	1,314,823,627.50	275 174 060.00	2 471 545 893 164.40
		Grand Total	8,869,858					136,926.00	1 927 626 486.00	376,631,845	3,427,926,773,905.52