



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 24-April-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Apr 2019	DAEU	Future	1	16.1367	16.0573	0.0000	0.0000	0	0.00
May 2019	DAEU	Future	2	16.2518	16.1720	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	1091.6368	1044.9638	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	969.8141	927.8473	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	930.8044	890.4097	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	901.5366	862.3770	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	120	18.6600	18.5405	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	18.6697	18.5500	0.0000	0.0000	0	0.00
May 2019	DAGB	Future	91	18.7715	18.6511	0.0000	0.0000	0	0.00
Jun 2019	DAGB	Future	49	18.8608	18.7401	0.0000	0.0000	0	0.00
			<u>287</u>					<u>0.00</u>	<u>0.00</u>
		Total	287					0.00	0.00
									<u>67 296.00</u>
									<u>1 129 513 525.50</u>
Future									
Apr 2019	DAUS	Future	349	14.4028	14.3259	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	15	14.4080	14.3309	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	4,000	14.4097	14.3326	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	85,000	14.4217	14.3443	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	25,000	14.4251	14.3476	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	93	14.4317	14.3543	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	2	14.4351	14.3577	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	387	14.4592	14.3818	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	91	14.4626	14.3852	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	74	14.4695	14.3921	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	Future	2,381	14.5111	14.4335	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.5163	14.4387	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	175	14.5215	14.4439	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	982	14.5687	14.4911	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.5705	14.4928	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	2,216	14.6219	14.5440	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.6273	14.5493	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	14.6308	14.5528	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	3,757	14.6467	14.5686	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	98	14.6769	14.5985	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.6804	14.6020	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	153	14.7324	14.6529	0.0000	0.0000	0	0.00
Nov 2019	DAUS	Future	97	14.7857	14.7047	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.7913	14.7101	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.7950	14.7138	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	45	14.8447	14.7628	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.8483	14.7664	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.9012	14.8192	0.0000	0.0000	0	0.00
Feb 2020	DAUS	Future	3,500	14.9532	14.8709	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.9587	14.8764	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.0161	14.9332	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.0670	14.9831	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.1327	15.0475	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.2411	15.1539	0.0000	0.0000	0	0.00
			<u>214,415</u>					<u>0.00</u>	<u>0.00</u>
									<u>12 209 030.00</u>
									<u>152 405 125 008.90</u>
Option									
Apr 2019	DAUS	13.00 Put	3,000	0.0430	0.0000	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	920.1332	842.9637	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.95 Put	734	6.6073	12.7026	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Call	734	239.9735	185.1594	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	30.2735	52.5594	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	40.2220	67.8042	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.45 Call	734	78.1286	57.5839	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	11.8998	8.5770	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	0.2460	0.2208	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	0.0187	0.0098	0.0000	0.0000	0	0.00
May 2019	DAUS	13.75 Put	22,000	6.9400	10.5674	0.0000	0.0000	0	0.00
May 2019	DAUS	13.95 Call	20,000	491.3020	423.7789	0.0000	0.0000	0	0.00
May 2019	DAUS	14.03 Call	65,000	420.4588	356.9658	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	713.0800	638.2702	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	298.4026	246.1649	0.0000	0.0000	0	0.00
May 2019	DAUS	14.18 Put	40,000	72.9672	0.0000	0.0000	0.0000	40,000	0.00

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May 2019	DAUS	13.75 Put	20,000	13.4857	18.1576	0.0000	0.0000	0	0.00
May 2019	DAUS	13.90 Put	2,000	30.4316	0.0000	0.0000	0.0000	2,000	0.00
May 2019	DAUS	14.40 Call	40,000	230.2037	198.4112	0.0000	0.0000	40,000	0.00
May 2019	DAUS	14.60 Call	40,000	150.8595	0.0000	0.0000	0.0000	40,000	0.00
May 2019	DAUS	15.10 Call	40,000	50.2003	43.7240	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	324.8596	284.5919	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	42.8577	37.2037	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	23.7790	20.7284	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	50,000	133.2520	0.0000	0.0000	0.0000	50,000	0.00
May 2019	DAUS	13.00 Put	500	4.6895	5.8362	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	150.0563	184.4124	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	170.2241	207.0703	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	113.0599	101.2881	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	30.7577	27.7076	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	15.3892	13.4066	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	61.7589	80.3755	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	121.2346	149.5125	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	152.1855	184.4248	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	8.3618	9.5408	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	141.5841	170.0167	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	207.2266	242.6392	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	228.2369	265.5702	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	162.6049	149.7522	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	134.0964	123.3540	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	63.2614	57.6748	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	38.2462	34.0941	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	16.2009	19.4009	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	261.1514	294.4892	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	282.6637	317.5695	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	214.2434	198.8771	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	102.5385	94.8945	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	72.8535	67.5087	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	413.2124	454.1756	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	104.1321	97.0369	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	33.3186	37.9412	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	302.4175	336.1215	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	324.2931	359.3637	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	250.4441	235.1263	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	134.0636	125.6725	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	100.8975	94.7642	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	18.5456	16.6390	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	50.5439	56.5697	0.0000	0.0000	0	0.00

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Sep 2019	DAUS	14.20 Put	250	335.9905	369.8023	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	358.0755	393.0938	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	285.5865	270.0744	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	164.6214	155.5765	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	127.4021	120.6192	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	67.3382	75.0279	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	366.9517	400.9762	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	389.1696	424.3166	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	314.0127	298.3042	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	191.5101	181.7398	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	152.9898	145.3719	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	81.7636	90.5086	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	393.5123	426.6803	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	415.8790	450.0985	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	344.9295	327.4571	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	219.3042	207.9994	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	179.2064	170.0682	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	95.0116	104.7296	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	417.4745	449.6220	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	439.8930	473.0213	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	373.2067	354.8202	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	247.0137	234.2161	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	205.7164	195.1399	0.0000	0.0000	0	0.00		
			<u>751,496</u>					<u>172,000.00</u>	<u>0.00</u>	<u>24 997 994.00</u>	<u>0.00</u>
Total			965,911					172,000.00	0.00	37 207 024.00	152 405 125 008.90
Future											
Jun 2019	EUUS	Future	5	1.1250	1.1255	0.0000	0.0000	0	0.00		
Sep 2019	EUUS	Future	143	1.1339	1.1344	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	1.2988	1.2975	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	26,771	10.2050	10.2291	10.2015	10.2010	400	4,080,525.00		
Sep 2019	ZAAD	Future	1,731	10.3458	10.3662	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.4822	10.4984	0.0000	0.0000	0	0.00		

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			28,902					400.00	4,080,525.00	3 888 767.00	34 129 825 502.40	
Option												
	Dec 2019	ZAAD	11.00 Call	1,000	218.2497	223.3880	0.0000	0.0000	0	0.00		
				1,000					0.00	0.00	34 377.00	0.00
			Total	29,902					400.00	4,080,525.00	3 923 144.00	34 129 825 502.40
Future												
	Jun 2019	ZACA	Future	1,950	10.7536	10.7597	0.0000	0.0000	0	0.00		
	Sep 2019	ZACA	Future	1,415	10.8998	10.9064	0.0000	0.0000	0	0.00		
				3,365					0.00	0.00	158 748.00	1 582 548 950.10
			Total	3,365					0.00	0.00	158 748.00	1 582 548 950.10
Future												
	Jun 2019	ZADK	Future	1,485	2.1835	2.1730	0.0000	0.0000	0	0.00		
				1,485					0.00	0.00	16 060.00	346 832 339.00
			Total	1,485					0.00	0.00	16 060.00	346 832 339.00
Future												
	Jun 2019	ZAEU	Future	116,987	16.2981	16.2183	16.3025	16.3025	722	11,748,699.40		
	Sep 2019	ZAEU	Future	39,167	16.6133	16.5327	16.5846	16.5638	3,845	63,737,706.90		
	Dec 2019	ZAEU	Future	32,686	16.9133	16.8296	0.0000	0.0000	0	0.00		
	Mar 2020	ZAEU	Future	4,361	17.2433	17.1597	0.0000	0.0000	0	0.00		
				193,201					4,567.00	75,486,406.30	16 727 302.00	242 745 996 767.90
Option												
	Jun 2019	ZAEU	15.35 Put	570	39.0343	42.8914	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.64 Call	300	212.4973	188.2584	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.73 Put	500	620.5376	678.6170	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	15.62 Put	14,429	161.7570	177.2606	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	15.85 Put	587	229.5299	251.3094	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	18.27 Call	14,429	182.6374	168.2363	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	13.73 Put	17,150	24.5111	26.3858	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	14.09 Put	136,646	37.2829	39.9946	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	14.23 Put	61,500	43.7073	46.8296	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	15.70 Put	136,646	235.1252	253.0346	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	15.85 Put	61,500	278.8408	299.2830	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	16.15 Put	17,150	384.7924	412.5157	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	19.79 Call	136,646	184.6666	174.7760	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	19.80 Call	61,500	183.8269	173.9887	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	20.62 Call	17,150	126.5670	119.3274	0.0000	0.0000	0	0.00		
				676,703					0.00	0.00	12 048 500.00	0.00
			Total	869,904					4,567.00	75,486,406.30	28 775 802.00	242 745 996 767.90

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Future										
Jun 2019	ZAFR	Future	1,193	14.3082	14.1778	0.0000	0.0000	0	0.00	
Sep 2019	ZAFR	Future	450	14.5989	14.4666	0.0000	0.0000	0	0.00	
			<u>1,643</u>					<u>0.00</u>	<u>0.00</u>	<u>633 252.00</u>
		Total	1,643					0.00	0.00	633 252.00
Future										
Jun 2019	ZAGB	Future	118,669	18.8161	18.6955	18.8375	18.7177	1,532	28,866,753.00	
Sep 2019	ZAGB	Future	23,418	19.1165	18.9948	19.0218	19.0218	250	4,755,450.00	
Dec 2019	ZAGB	Future	12,845	19.3993	19.2726	0.0000	0.0000	0	0.00	
Mar 2020	ZAGB	Future	6,274	19.7059	19.5772	0.0000	0.0000	3,200	62,980,800.00	
			<u>161,206</u>					<u>4,982.00</u>	<u>96,603,003.00</u>	<u>14 766 536.00</u>
		Total	161,206					4,982.00	96,603,003.00	14 766 536.00
Option										
Jun 2019	ZAGB	18.00 Call	1,000	910.1433	816.4113	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	19.15 Put	500	691.5197	759.6800	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	18.75 Put	500	573.1391	623.2600	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	22.13 Call	500	233.7590	217.4959	0.0000	0.0000	0	0.00	
			<u>2,500</u>					<u>0.00</u>	<u>0.00</u>	<u>1 790 813.00</u>
		Total	163,706					4,982.00	96,603,003.00	16 557 349.00
Future										
Jun 2019	ZAKS	Future	2,166	0.1417	0.1409	0.0000	0.0000	0	0.00	
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>
		Total	2,166					0.00	0.00	38 066.00
Future										
Sep 2019	ZANZ	Future	646	9.7161	9.7049	0.0000	0.0000	0	0.00	
			<u>646</u>					<u>0.00</u>	<u>0.00</u>	<u>147 042.00</u>
		Total	646					0.00	0.00	167 042.00
Future										
Jun 2019	ZAUM	Future	454	14.4869	14.4093	0.0000	0.0000	0	0.00	
			<u>454</u>					<u>0.00</u>	<u>0.00</u>	<u>156 788.00</u>
		Total	454					0.00	0.00	161 311.00
Future										
Jun 2019	ZAUS	Future	831,224	14.4869	14.4093	14.5111	14.4143	89,311	1,291,378,639.00	
Sep 2019	ZAUS	Future	27,588	14.6520	14.5739	14.6102	14.6050	2,086	30,423,663.70	
Dec 2019	ZAUS	Future	22,753	14.8116	14.7301	14.7715	14.7715	12	177,258.00	
Mar 2020	ZAUS	Future	10,345	14.9845	14.9020	0.0000	0.0000	0	0.00	
Jun 2020	ZAUS	Future	700	15.1520	15.0664	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>		
		892,610					91,409.00	1,321,979,560.70	203 268 532.00	2 470 231 069 536.90
Option										
Jun 2019	ZAUS	10.69 Put	1,000	0.0337	0.0391	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	0.9859	1.2377	0.0000	0	0.00		
Jun 2019	ZAUS	12.65 Put	1,050	2.6430	3.3314	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	3.4419	4.3399	0.0000	0	0.00		
Jun 2019	ZAUS	12.92 Put	2,100	5.3772	6.7789	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	6.2882	8.0492	0.0000	0	0.00		
Jun 2019	ZAUS	13.00 Put	165,703	6.6240	8.5635	0.0000	0	0.00		
Jun 2019	ZAUS	13.10 Put	14,000	8.7887	11.6113	0.0000	0	0.00		
Jun 2019	ZAUS	13.22 Put	122,704	12.5837	16.5405	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	13.3448	17.5238	0.0000	0	0.00		
Jun 2019	ZAUS	13.25 Put	4,582	13.7405	18.0345	0.0000	0	0.00		
Jun 2019	ZAUS	13.28 Put	122,704	14.9933	19.6477	0.0000	0	0.00		
Jun 2019	ZAUS	13.30 Put	143,800	15.8847	20.7935	0.0000	0	0.00		
Jun 2019	ZAUS	13.35 Put	4,317	18.3259	23.9212	0.0000	0	0.00		
Jun 2019	ZAUS	13.50 Call	7,500	1014.6969	945.2296	0.0000	0	0.00		
Jun 2019	ZAUS	13.60 Call	700	923.2125	855.8864	0.0000	0	0.00		
Jun 2019	ZAUS	13.60 Put	700	36.3125	46.5864	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	68.8145	88.3463	0.0000	0	0.00		
Jun 2019	ZAUS	13.90 Call	100	671.6542	616.3364	0.0000	0	0.00		
Jun 2019	ZAUS	13.91 Put	1,000	87.2217	109.9056	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	1,000	612.7851	560.7295	0.0000	0	0.00		
Jun 2019	ZAUS	14.00 Call	15,000	598.5724	547.3475	0.0000	0	0.00		
Jun 2019	ZAUS	14.00 Put	301,700	111.6724	138.0475	0.0000	0	0.00		
Jun 2019	ZAUS	14.06 Put	2,100	130.2752	159.1664	0.0000	0	0.00		
Jun 2019	ZAUS	14.07 Put	39,589	133.5604	162.8714	0.0000	0	0.00		
Jun 2019	ZAUS	14.20 Put	13,600	181.1096	215.9116	0.0000	0	0.00		
Jun 2019	ZAUS	14.25 Put	1,982	201.8204	238.7160	0.0000	0	0.00		
Jun 2019	ZAUS	14.30 Put	30,000	223.8804	262.8418	0.0000	0	0.00		
Jun 2019	ZAUS	14.35 Call	1,050	384.1770	347.5703	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	349.1534	315.8010	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	280.4212	254.8458	0.0000	0	0.00		
Jun 2019	ZAUS	14.63 Put	8,203	405.1818	458.8641	0.0000	0	0.00		
Jun 2019	ZAUS	14.65 Put	1,000	418.1630	472.4853	0.0000	0	0.00		
Jun 2019	ZAUS	14.66 Call	122,704	251.6201	228.6573	0.0000	0	0.00		
Jun 2019	ZAUS	14.72 Call	122,704	231.8710	210.7205	0.0000	0	0.00		
Jun 2019	ZAUS	14.75 Call	2,000	222.5572	202.2708	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	202.2111	183.8200	0.0000	0	0.00		
Jun 2019	ZAUS	15.00 Call	17,500	157.9204	143.7106	0.0000	0	0.00		
Jun 2019	ZAUS	15.10 Call	2,900	137.6774	125.3935	0.0000	0	0.00		
Jun 2019	ZAUS	15.30 Call	14,000	104.3399	94.9590	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	15.32 Call	1,980	101.4511	92.3421	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	78.8807	71.8993	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	70.5945	64.3908	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	68.6699	62.6471	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	64.9843	59.3059	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	63.2212	57.7069	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	57.4399	52.4640	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	52.2209	47.7287	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	46.2493	41.6791	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	44.4262	39.5846	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	39.1099	34.4651	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	33.3621	29.4431	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	1.3250	1.3518	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	1.7093	1.8770	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	22.4292	23.8997	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	36.8271	39.4753	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	44.9765	48.3202	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	53.4510	60.1302	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	63.7126	74.3588	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	1140.1228	1080.3395	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	150.4546	169.8542	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.75 Put	1,000	163.5222	184.0260	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	168.9578	189.9076	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.80 Put	14,000	177.3372	198.9615	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.90 Put	5,908	207.2579	232.1270	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.92 Put	2,149	213.9462	239.3426	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	231.2479	257.9719	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	242.0284	269.5538	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.04 Call	1,000	868.8694	819.3647	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	288.1532	318.8983	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	325.8935	359.0536	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.25 Call	500	745.5270	701.6589	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	366.3072	401.8698	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	394.7132	431.8651	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.46 Put	17,287	444.6255	484.3783	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	14,000	617.4724	580.1472	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Put	14,000	465.4724	506.2472	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	548.0053	594.0067	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.70 Put	1,000	577.8215	624.9499	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.75 Call	1,000	510.3550	480.4805	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.82 Put	1,000	652.2739	701.9940	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	671.5049	721.8462	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	15.00 Call	750	423.1496	398.3509	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	413.7506	389.5104	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	375.4403	353.5056	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1046.8451	1106.5161	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	289.8583	273.1897	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1187.4960	1249.5538	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	223.7737	211.1183	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.66 Call	2,149	127.5311	120.3926	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.67 Call	14,000	126.6417	119.5585	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	93.1581	88.1315	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	89.5248	84.7204	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	86.6251	81.9959	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	66.2921	61.9964	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	56.5835	52.8898	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	53.2914	49.8018	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	35.7815	33.3954	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	14.9226	16.1169	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	74.1974	80.4329	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	89.0626	96.5005	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.03 Put	69,000	92.8085	100.5473	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	215.9115	235.7526	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	257.0378	279.4611	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	302.9394	328.0295	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	34,000	324.0984	350.3517	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	350.4972	379.6237	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	354.5718	383.9183	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	362.8058	392.5840	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.11 Put	24,055	366.9609	396.9551	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.12 Put	69,000	371.1429	401.3571	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	503.9532	540.4053	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	420.6606	399.5480	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	354.5023	336.9702	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.20 Call	50,100	342.1057	325.2542	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.25 Call	21,000	333.5733	316.6627	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.35 Call	4,150	316.7797	300.2417	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.37 Call	500	313.4435	297.0760	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.55 Call	24,055	285.1366	270.2418	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	244.2852	231.5381	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.99 Call	69,000	227.6015	215.7390	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.02 Call	139,860	224.2053	212.5230	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	187.8601	178.1227	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	46.6807	42.8315	0.0000	0.0000	0	0.00

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Mar 2020	ZAUS	11.91 Put	1,000	17.3628	18.1818	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	12.96 Put	277,778	112.6671	124.9372	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	13.06 Put	275,862	130.6512	143.8708	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	13.19 Put	272,897	156.8724	171.3305	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	13.78 Put	60,000	314.8817	335.1230	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.01 Put	1,000	394.1498	417.7814	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.40 Put	277,778	559.4396	592.8741	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.51 Put	275,862	614.4379	649.7192	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.66 Put	272,897	693.6016	731.3453	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	16.60 Call	277,778	439.8985	418.9091	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	16.81 Call	275,862	403.3335	384.0671	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.04 Call	272,897	367.4269	349.8800	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.73 Call	1,000	281.2014	267.8919	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.88 Call	60,000	265.9985	253.4519	0.0000	0.0000	0	0.00	
Jun 2020	ZAUS	11.90 Put	900	35.1827	36.6207	0.0000	0.0000	0	0.00	
Jun 2020	ZAUS	14.25 Put	900	539.3795	566.8212	0.0000	0.0000	0	0.00	
Jun 2020	ZAUS	17.26 Call	900	479.6680	458.0775	0.0000	0.0000	0	0.00	
			<u>5,858,642</u>					<i>0.00</i>	<i>0.00</i>	<i>71 813 316.00</i>
										<i>0.00</i>
	Total		6,751,252					91,409.00	1,321,979,560.70	275 081 848.00
										2 470 231 069 536.90

Grand Total	8,857,574			273,358.00	1 498 149 495.00	376,494,919	3,425,999,147,419.52
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