



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 07-August-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future	Oct 2018 CC01	Future	25,000	405.0858	405.9054	0.0000	0.0000	0	0.00		
			25,000					0.00	0.00	25 000.00	7 830 750.00
		Total	25,000					0.00	0.00	25 000.00	7 830 750.00
Future	Nov 2018 CX05	Future	25,000	167.7280	180.0000	0.0000	0.0000	0	0.00		
			25,000					0.00	0.00	25 000.00	4 449 500.00
		Total	25,000					0.00	0.00	25 000.00	4 449 500.00
Future	Sep 2018 DAEU	Future	34	15.5179	15.5848	0.0000	0.0000	0	0.00		
			34					0.00	0.00	801 260.00	11 964 751 196.80
		Total	34					0.00	0.00	1 758 047.00	11 964 751 196.80
Future	Sep 2018 DAGB	Future	14	17.3812	17.4969	0.0000	0.0000	0	0.00		
			14					0.00	0.00	53 769.00	882 198 966.30
		Total	14					0.00	0.00	261 082.00	882 198 966.30
Future	Aug 2018 DAUS	Future	0	13.2860	13.4073	0.0000	0.0000	1,880	24,977,680.00		
	Aug 2018 DAUS	Future	70	13.3176	13.4132	0.0000	0.0000	0	0.00		
	Aug 2018 DAUS	Future	4,144	13.3210	13.4161	0.0000	0.0000	0	0.00		
	Aug 2018 DAUS	Future	600	13.3295	13.4246	0.0000	0.0000	0	0.00		
	Aug 2018 DAUS	Future	3,299	13.3483	13.4441	0.0000	0.0000	0	0.00		
	Sep 2018 DAUS	Future	197	13.3534	13.4494	0.0000	0.0000	0	0.00		
	Sep 2018 DAUS	Future	5,532	13.3958	13.4929	0.0000	0.0000	0	0.00		
	Oct 2018 DAUS	Future	55	13.4026	13.4998	0.0000	0.0000	0	0.00		
	Oct 2018 DAUS	Future	235	13.4282	13.5256	0.0000	0.0000	0	0.00		
	Oct 2018 DAUS	Future	70	13.4421	13.5394	0.0000	0.0000	0	0.00		

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Oct 2018	DAUS	Future	225	13.4490	13.5462	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	3,442	13.4524	13.5497	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	13.4542	13.5514	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	13.4749	13.5721	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	420	13.4800	13.5773	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	13.5022	13.5998	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	3,197	13.5039	13.6015	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,078	13.5568	13.6552	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.5602	13.6586	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.6080	13.7071	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.6097	13.7088	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.6319	13.7313	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	13.6576	13.7573	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.7038	13.8041	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.7141	13.8145	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	13.7621	13.8631	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	13.8152	13.9168	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	13.8682	13.9706	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	13.9213	14.0243	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	13.9794	14.0836	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.0355	14.1402	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.0898	14.1949	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.1497	14.2553	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.2077	14.3138	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.2619	14.3685	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.3199	14.4270	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.3779	14.4855	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.4284	14.5364	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.4920	14.6005	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.5968	14.7062	0.0000	0.0000	0	0.00		
			<u>121,744</u>					<u>1,880.00</u>	<u>24,977,680.00</u>	<u>10 523 872.00</u>	<u>128 364 768 389.90</u>
Option											
Aug 2018	DAUS	13.18 Put	350	61.7701	45.5558	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.22 Call	350	175.1524	250.8969	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.43 Put	106	182.7653	132.6507	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.55 Call	106	42.9621	73.2874	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.35 Put	20,000	144.9897	107.9235	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.21 Put	50,000	107.2387	78.9730	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.00 Put	500	67.1148	51.2414	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.65 Call	500	100.6380	134.3653	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	521.2734	450.9484	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	0.3952	0.5088	0.0000	0.0000	0	0.00		

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Aug 2018	DAUS	16.57 Call	500	0.4164	0.4602	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.43 Put	10,000	267.9431	221.6144	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.44 Put	15,000	274.0418	226.7342	0.0000	0.0000	0	0.00
Sep 2018	DAUS	12.90 Put	100	61.7992	48.0034	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.09 Put	600	114.2874	91.3531	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.32 Call	600	250.4466	309.9963	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.45 Call	100	194.1481	242.1191	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Call	100	94.6956	122.9399	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.90 Call	600	76.5522	100.3873	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	217.1901	181.5836	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	133.5862	110.0306	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	171.4664	205.2332	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	570.5127	506.3665	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	2.4326	2.7948	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	2.1419	2.3834	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.51 Call	5,000	306.8223	353.2938	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	253.0421	217.6972	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	187.9190	216.6309	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	189.0569	160.6807	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	615.0323	553.1157	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	230.8415	262.1579	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	11.7339	14.1936	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	5.6892	6.5308	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	17.4843	15.7540	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	662.3069	598.7057	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	8.6718	10.1117	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	4.2850	3.6144	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	16.1279	14.2870	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	561.0784	620.3116	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	227.8005	197.4868	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	647.8723	587.9587	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	270.6122	300.7068	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	21.0100	26.6205	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	10.0584	14.7638	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	561.4331	506.7075	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	71.5358	80.4185	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	333.7372	295.3045	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	380.3295	338.6656	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	197.5438	218.0914	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	183.4502	202.6071	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	259.2473	227.1263	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	673.1191	614.9135	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	14.22 Call	500	305.6749	335.5161	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	38.6400	42.8707	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	26.3385	29.5119	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	168.0453	146.7717	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	287.2968	254.5211	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	333.5804	362.4955	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	310.0852	277.6551	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	359.2139	387.2819	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	331.5456	299.5641	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	383.1433	410.3666	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	353.2490	321.0620	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	851.0020	905.1094	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	405.1211	431.8917	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	373.6404	341.0858	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	425.0121	450.9177	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	390.2892	357.3560	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	439.9620	465.2180	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	593.5425	547.4688	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	250.7899	265.8018	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	408.1193	374.8148	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	459.6219	484.8592	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	425.5405	392.1589	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	476.0404	502.1976	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	441.7364	408.3901	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	498.9610	524.9668	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	456.5711	423.2245	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	515.7029	541.2764	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	469.1621	435.7237	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	534.2452	560.0447	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	481.4364	448.8070	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	553.0053	578.7017	0.0000	0.0000	0	0.00
			<u>420,422</u>					<i>0.00</i>	<i>0.00</i>
		Total	542,166					1,880.00	24,977,680.00
								30 159 449.00	128 364 768 389.90
									<i>0.00</i>
Option									
Aug 2018	DAYJ	8.07 Put	13,000	348.1993	466.4878	0.0000	0.0000	0	0.00
Aug 2018	DAYJ	8.27 Call	13,000	1488.8581	1276.2896	0.0000	0.0000	0	0.00
Aug 2018	DAYJ	8.35 Call	20,000	1025.8703	881.1538	0.0000	0.0000	0	0.00
Sep 2018	DAYJ	8.26 Call	25,000	1798.3054	1593.0825	0.0000	0.0000	0	0.00
			<u>71,000</u>					<i>0.00</i>	<i>0.00</i>
		Total	71,000					0.00	50 000.00
									<i>0.00</i>

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Future											
Sep 2018	EUUS	Future	210	1.1624	1.1590	0.0000	0.0000	0	0.00		
			<u>210</u>					<u>0.00</u>	<u>0.00</u>	<u>729 594.00</u>	<u>8 272 094 817.00</u>
		Total	210					0.00	0.00	729 594.00	8 272 094 817.00
Future											
Sep 2018	GBUS	Future	14	1.2969	1.2961	0.0000	0.0000	0	0.00		
			<u>14</u>					<u>0.00</u>	<u>0.00</u>	<u>167 353.00</u>	<u>2 152 976 011.00</u>
		Total	14					0.00	0.00	167 353.00	2 152 976 011.00
Future											
Sep 2018	ZAAD	Future	12,187	9.9339	9.9541	10.0000	9.9136	472	4,681,407.00		
Dec 2018	ZAAD	Future	11,424	10.0494	10.0699	10.0327	10.0324	200	2,006,510.00		
Mar 2019	ZAAD	Future	410	10.1768	10.1991	10.1550	10.1545	10	101,547.50		
Jun 2019	ZAAD	Future	4,929	10.3001	10.3243	0.0000	0.0000	0	0.00		
			<u>28,950</u>					<u>682.00</u>	<u>6,789,464.50</u>	<u>3 687 115.00</u>	<u>32 024 823 753.50</u>
		Total	28,950					682.00	6,789,464.50	3 719 492.00	32 024 823 753.50
Future											
Dec 2018	ZACA	Future	590	10.4098	10.4978	0.0000	0.0000	0	0.00		
			<u>590</u>					<u>0.00</u>	<u>0.00</u>	<u>137 623.00</u>	<u>1 354 709 052.10</u>
		Total	590					0.00	0.00	137 623.00	1 354 709 052.10
Future											
Sep 2018	ZADK	Future	245	2.0918	2.1005	0.0000	0.0000	0	0.00		
Dec 2018	ZADK	Future	235	2.1321	2.1408	0.0000	0.0000	0	0.00		
			<u>480</u>					<u>0.00</u>	<u>0.00</u>	<u>12 085.00</u>	<u>259 978 669.00</u>
		Total	480					0.00	0.00	12 085.00	259 978 669.00
Future											
Sep 2018	ZAEU	Future	130,813	15.5494	15.6169	15.5950	15.5300	406	6,338,913.00		
Dec 2018	ZAEU	Future	35,433	15.8342	15.9029	15.9184	15.9184	10	159,184.00		
Mar 2019	ZAEU	Future	4,686	16.1541	16.2251	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	16.4602	16.5321	0.0000	0.0000	0	0.00		
			<u>176,188</u>					<u>416.00</u>	<u>6,498,097.00</u>	<u>15 138 542.00</u>	<u>216 356 567 860.20</u>
Option											
Sep 2018	ZAEU	13.50 Put	29,734	1.8287	1.6503	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	57,090	12.0570	10.8464	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	479.8448	436.1067	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	35.7443	42.2443	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	1.7550	1.7834	0.0000	0.0000	0	0.00		

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Mar 2019	ZAEU	16.00 Call	650	795.7279	837.2294	0.0000	0.0000	0	0.00	
			290,856					0.00	0.00	8 025 012.00
		Total	467,044					416.00	6,498,097.00	23 163 554.00
										216 356 567 860.20
Future										
Sep 2018	ZAFR	Future	1,975	13.4898	13.5617	0.0000	0.0000	0	0.00	
Dec 2018	ZAFR	Future	650	13.7493	13.8224	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	14.3223	14.3984	0.0000	0.0000	0	0.00	
			2,775					0.00	0.00	616 325.00
		Total	2,775					0.00	0.00	616 325.00
										6 602 585 530.30
Future										
Sep 2018	ZAGB	Future	200,759	17.3487	17.4640	17.4523	17.3500	317	5,521,699.30	
Dec 2018	ZAGB	Future	14,284	17.6141	17.7304	17.6850	17.6850	13	229,905.00	
Mar 2019	ZAGB	Future	4,932	17.9091	18.0290	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	6,156	18.1876	18.3086	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	4,645	18.4954	18.6207	0.0000	0.0000	7,500	139,650,000.00	
			230,776					7,830.00	145,401,604.30	11 976 221.00
		Total	230,776					7,830.00	145,401,604.30	13 750 334.00
										201 696 779 167.80
Future										
Sep 2018	ZAJY	Future	115	0.1206	0.1212	0.0000	0.0000	0	0.00	
			115					0.00	0.00	994 149.00
		Total	115					0.00	0.00	994 149.00
										11 092 203 963.90
Future										
Sep 2018	ZAKS	Future	562	0.1323	0.1332	0.0000	0.0000	0	0.00	
Jun 2019	ZAKS	Future	1,093	0.1302	0.1310	0.0000	0.0000	0	0.00	
			1,655					0.00	0.00	35 358.00
		Total	1,655					0.00	0.00	35 358.00
										476 333 960.00
Future										
Sep 2018	ZATR	Future	0	2.4996	2.5498	0.0000	0.0000	1,500	3,715,800.00	
			0					1,500.00	3,715,800.00	307 429.00
		Total	0					1,500.00	3,715,800.00	307 429.00
										1 057 345 215.00
Future										
Sep 2018	ZAUM	Future	355	13.3772	13.4739	0.0000	0.0000	10	13,358,000.00	
Dec 2018	ZAUM	Future	20	13.5278	13.6257	0.0000	0.0000	0	0.00	
Mar 2019	ZAUM	Future	5	13.6884	13.7885	0.0000	0.0000	0	0.00	
			380					10.00	13,358,000.00	152 156.00
										175 565 454 520.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Total			380					10.00	13,358,000.00	156 679.00	175 565 454 520.00
Future											
Sep 2018	ZAUS	Future	487,799	13.3772	13.4739	13.4818	13.3500	67,869	912,771,713.20		
Dec 2018	ZAUS	Future	65,014	13.5278	13.6257	13.6300	13.5438	381	5,171,929.20		
Mar 2019	ZAUS	Future	7,820	13.6884	13.7885	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	Future	15,910	13.8391	13.9411	0.0000	0.0000	0	0.00		
			576,543					68,250.00	917,943,642.40	179 945 623.00	2 132 752 148 139.70
Option											
Sep 2018	ZAUS	11.48 Put	5,200	1.0413	0.9743	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.50 Put	45,000	1.1009	1.0281	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.60 Put	2,000	1.4548	1.3458	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.75 Put	93,314	2.2127	2.0179	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.85 Put	48,200	2.9285	2.6452	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.90 Put	3,000	3.3699	3.0292	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.00 Put	13,300	4.4633	3.9742	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.25 Call	500	1137.6135	1232.5943	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.25 Put	40,000	10.4135	8.6943	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.30 Put	100	12.3417	10.2593	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.38 Put	60,000	16.1023	13.3042	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.50 Call	4,600	900.8690	993.3165	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.50 Put	44,000	23.6690	19.4165	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.58 Put	8,000	30.3149	24.7828	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.61 Put	13,231	33.1980	27.1120	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.65 Put	1,550	37.4112	30.5184	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.77 Call	5,200	660.7735	746.9883	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.80 Call	50	636.4723	720.7565	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.80 Put	500	59.2723	46.8565	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.85 Put	750	69.7392	55.4063	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.00 Call	7,500	486.2339	561.9550	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.00 Put	72,000	109.0339	88.0550	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.10 Put	2,500	142.3436	116.2564	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.20 Call	4,000	358.8832	423.9697	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.20 Put	4,000	181.6832	150.0697	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.22 Put	10,000	190.2874	157.5290	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.25 Call	1,250	330.8556	393.0638	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.25 Put	74,064	203.6556	169.1638	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.30 Call	500	304.3645	363.6456	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.50 Call	2,000	216.3726	262.4507	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.60 Call	26,000	182.2401	222.8993	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.60 Put	4,000	405.0401	348.9993	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.65 Call	1,464	167.0513	205.1381	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>
Sep 2018	ZAUS	13.66 Call	100	164.1541	201.7397	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	89.5032	112.6012	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	712.3032	638.7012	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	61.8335	78.9346	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	24.2976	31.8694	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	13.0049	17.5445	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	1.5878	2.1881	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	1.3654	1.8813	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	1.1962	1.5166	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	1.1876	1.4550	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	23.1553	20.6033	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	27.6117	24.5800	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	35.0085	31.1831	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	40.9391	36.4784	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	42.2337	37.6344	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	47.8068	42.6123	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	55.7424	49.7018	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	62.2257	53.6472	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	81.8207	68.7784	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1131.4838	1213.6431	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	103.6838	87.9431	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	131.8623	112.8834	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	144.0244	123.7183	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	162.3463	140.1107	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	771.6173	837.7340	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	175,030	243.8173	212.0340	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	283.3378	248.2754	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	654.2354	713.7650	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	335.4785	296.4511	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	627.1143	684.9931	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	37,800	349.3143	309.2931	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	449.5380	402.9858	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	504.5171	554.2632	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	476.7171	428.5632	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	596.2650	540.0911	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	602.6140	546.1413	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	395.6799	435.0656	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	654.4620	595.6605	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	388.8724	427.6851	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	341.3105	376.0353	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	21,010	326.7619	360.1998	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	291.7641	322.0309	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.33 Call	100	245.1706	271.0787	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	234.7621	259.6728	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	222.8765	246.6346	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	194.1781	215.0996	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	192.5220	213.2757	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	190.8785	211.4683	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	178.2643	197.5801	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	170.8380	189.3967	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	158.3032	175.5741	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	100	137.6529	153.6307	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	136.4305	152.2818	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	127.0621	141.9150	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	120.4781	134.6257	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	90.1782	100.9910	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	74.5900	83.6357	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	6.1652	5.4015	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	52.5604	43.9097	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	88.9692	76.5447	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	163.0781	143.5430	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	767.8272	821.7933	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	534.6462	488.2526	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	697.5441	643.4622	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	765.5026	708.3783	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	451.8965	485.5142	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	404.8629	434.7487	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	305.0189	327.2047	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	225.7674	244.2272	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	213.5972	231.1025	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	9.7200	8.1518	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	164.3041	142.9749	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	295.7762	268.2508	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	374.9585	342.5437	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	481.6968	440.7092	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	793.8485	739.3305	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	12,450	823.8179	768.1935	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	250	744.4353	788.6176	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	551.5671	584.6395	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	491.3294	520.4522	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	346.4491	368.1946	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	12,450	334.8402	355.8683	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	306.9503	326.2440	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	289.8282	308.0459	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>	
Sep 2019	ZAUS	10.75 Put	1,000	16.3635	16.2072	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	12.50 Put	1,000	264.0445	235.7041	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	15.87 Call	1,000	440.2314	463.6536	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	155.4932	168.3673	0.0000	0.0000	0	0.00	
			<u>2,716,421</u>					<i>0.00</i>	<i>0.00</i>	<i>51 331 302.00</i>
	Total		3,292,964					68,250.00	917,943,642.40	231 276 925.00
										<i>2 132 752 148 139.70</i>

Grand Total	4,689,167							80,568.00	1 118 684 288.20	316,556,756	2,973,573,588,098.82
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