



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 02-August-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	407.1151	288.7639	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>25 000.00</u>	<u>7 830 750.00</u>
		Total	25,000					0.00	0.00	25 000.00	7 830 750.00
Future											
Sep 2018	DAEU	Future	34	15.6705	15.4968	0.0000	0.0000	0	0.00		
			<u>34</u>					<u>0.00</u>	<u>0.00</u>	<u>801 260.00</u>	<u>11 964 751 196.80</u>
		Total	34					0.00	0.00	1 758 047.00	11 964 751 196.80
Future											
Sep 2018	DAGB	Future	14	17.6362	17.4686	0.0000	0.0000	0	0.00		
			<u>14</u>					<u>0.00</u>	<u>0.00</u>	<u>53 769.00</u>	<u>882 198 966.30</u>
		Total	14					0.00	0.00	261 082.00	882 198 966.30
Future											
Aug 2018	DAUS	Future	0	13.3823	13.1917	0.0000	0.0000	55	734,800.00		
Aug 2018	DAUS	Future	420	13.4154	13.1950	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	13.4209	13.2019	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	4,144	13.4242	13.2058	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	600	13.4332	13.2154	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	3,299	13.4531	13.2366	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	13.4585	13.2424	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	5,532	13.5018	13.2850	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	13.5087	13.2918	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	13.5347	13.3174	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	13.5487	13.3311	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	13.5557	13.3380	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	3,608	13.5592	13.3414	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	13.5610	13.3431	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	13.5819	13.3635	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Nov 2018	DAUS	Future	420	13.5871	13.3686	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	13.6096	13.3906	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	3,363	13.6113	13.3923	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,078	13.6651	13.4449	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.6686	13.4483	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.7171	13.4957	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.7188	13.4974	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.7414	13.5193	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	13.7676	13.5446	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.8146	13.5900	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.8251	13.6000	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	13.8739	13.6471	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	13.9271	13.6999	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	29,000	13.9322	13.7050	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	13.9800	13.7528	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.0330	13.8056	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.0916	13.8632	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.1473	13.9176	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.2011	13.9702	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.2604	14.0282	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.3179	14.0845	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.3717	14.1370	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.4292	14.1933	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.4868	14.2495	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.5368	14.2984	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.5999	14.3601	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.7038	14.4616	0.0000	0.0000	0	0.00		
			<u>151,496</u>					<u>55.00</u>	<u>734,800.00</u>	<u>10 492 240.00</u>	<u>127 925 314 987.90</u>
Option											
Aug 2018	DAUS	12.32 Put	1,880	0.1335	0.7162	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	457.2332	667.1503	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	0.0210	0.0353	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.18 Put	350	60.7559	139.0888	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.22 Call	350	276.0823	145.3665	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.43 Put	106	156.6892	297.9549	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.55 Call	106	103.7494	48.4786	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.15 Put	0	57.8082	135.6865	0.0000	0.0000	20,000	0.00		
Aug 2018	DAUS	13.35 Put	20,000	128.7538	0.0000	0.0000	0.0000	20,000	0.00		
Aug 2018	DAUS	13.21 Put	50,000	94.4386	186.7661	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.23 Put	0	115.6987	211.7137	0.0000	0.0000	15,000	0.00		
Aug 2018	DAUS	13.00 Put	500	59.4873	122.3637	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.65 Call	500	152.0427	95.4882	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>
Aug 2018	DAUS	13.80 Put	1,000	457.7737	632.1739	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	0.6980	0.5132	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	0.6731	0.6125	0.0000	0.0000	0	0.00
Sep 2018	DAUS	12.90 Put	100	53.7297	106.7532	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.09 Put	600	98.7396	175.6636	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.32 Call	600	327.4068	221.7453	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.45 Call	100	259.3231	175.1330	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Call	100	137.7422	90.2862	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.90 Call	600	114.1281	74.3968	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	189.8909	294.6616	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	117.5897	186.3638	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	220.7689	157.2423	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	512.8566	667.7262	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	4.4006	3.6919	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	2.9179	2.2698	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.51 Call	5,000	370.5101	276.8172	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	224.4849	313.4701	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	230.0995	171.6989	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	166.1470	237.6888	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	557.9970	701.0411	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	275.8069	209.7957	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	16.1258	10.8903	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	7.0545	4.7541	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	16.8710	22.7500	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	603.2639	749.2132	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	11.0646	7.3984	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	3.6271	5.3822	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	14.9102	19.4389	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	635.5539	507.0892	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	202.3166	275.1866	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	592.4427	728.1833	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	313.8816	247.2571	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	31.3353	24.4494	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	19.4190	15.4210	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	510.9947	635.0782	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	86.9353	67.8181	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	300.1480	387.6982	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	343.5162	438.1861	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	229.1911	182.9633	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	213.3695	170.2775	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	231.8043	304.8772	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	618.9832	748.9830	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	14.22 Call	500	348.2963	281.0220	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	48.0538	39.6841	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	34.2345	27.5879	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	12.66 Put	263	151.3300	200.7566	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.00 Put	500	259.1849	332.1394	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.38 Call	500	375.1423	308.4412	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	282.1617	355.9748	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	399.5480	334.2615	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.00 Put	500	303.8512	377.2060	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.67 Call	500	421.8972	357.3399	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	325.0697	396.8088	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	919.1162	794.2103	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	442.7064	378.4475	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	345.6417	415.1012	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	460.7773	398.0638	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	361.4347	431.0569	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	474.2242	412.6309	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	550.1909	648.3960	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	271.8244	235.5866	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	379.4586	447.9941	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	493.0144	430.9952	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	397.0204	465.6503	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	510.5831	448.4518	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	412.4899	481.5895	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	532.1032	470.0787	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	427.3647	497.1024	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	547.7210	486.5564	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	439.9607	510.1265	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	565.8567	504.7405	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	453.0855	522.6701	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	583.8310	522.9308	0.0000	0.0000	0	0.00		
			<u>401,062</u>					<u>55,000.00</u>	<u>0.00</u>	<u>19 610 577.00</u>	<u>0.00</u>
	Total		552,558					55,055.00	734,800.00	30 102 817.00	127 925 314 987.90
Option											
Aug 2018	DAYJ	8.07 Put	13,000	558.2188	284.5359	0.0000	0.0000	0	0.00		
Aug 2018	DAYJ	8.27 Call	13,000	1350.1092	2455.2955	0.0000	0.0000	0	0.00		
Aug 2018	DAYJ	8.35 Call	20,000	947.3070	1891.9487	0.0000	0.0000	0	0.00		
			<u>46,000</u>					<u>0.00</u>	<u>0.00</u>	<u>40 000.00</u>	<u>0.00</u>
	Total		46,000					0.00	0.00	40 000.00	0.00
Future											

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Sep 2018	EUUS	Future	175	1.1646	1.1705	1.1678	1.1666	30	350,160.00			
			175					30.00	350,160.00	729 559.00	8 271 688 647.00	
		Total	175					30.00	350,160.00	729 559.00	8 271 688 647.00	
Future												
Sep 2018	GBUS	Future	14	1.3056	1.3143	1.3103	1.3103	5	65,515.00			
			14					5.00	65,515.00	167 353.00	2 152 976 011.00	
		Total	14					5.00	65,515.00	167 353.00	2 152 976 011.00	
Future												
Sep 2018	ZAAD	Future	12,322	9.9402	9.8218	9.9762	9.9762	10	99,762.00			
Dec 2018	ZAAD	Future	11,417	10.0570	9.9381	0.0000	0.0000	0	0.00			
Jun 2019	ZAAD	Future	4,929	10.3105	10.1888	0.0000	0.0000	0	0.00			
			28,668					10.00	99,762.00	3 685 098.00	32 004 654 994.00	
Total		Total	28,668					10.00	99,762.00	3 717 475.00	32 004 654 994.00	
Future												
Dec 2018	ZACA	Future	595	10.5000	10.3387	0.0000	0.0000	0	0.00			
			595					0.00	0.00	136 818.00	1 346 285 406.10	
		Total	595					0.00	0.00	136 818.00	1 346 285 406.10	
Future												
Sep 2018	ZADK	Future	245	2.1118	2.0883	0.0000	0.0000	0	0.00			
		Dec 2018	ZADK	Future	15	2.1521	2.1283	0.0000	0.0000	0	0.00	
				260					0.00	0.00	11 835.00	254 651 919.00
Total		Total	260					0.00	0.00	11 835.00	254 651 919.00	
Future												
Sep 2018	ZAEU	Future	132,013	15.7026	15.5285	15.7922	15.7629	2,171	34,000,721.30			
		Dec 2018	ZAEU	Future	34,675	15.9920	15.8145	16.0900	16.0900	781	12,513,842.50	
		Mar 2019	ZAEU	Future	4,721	16.3161	16.1326	0.0000	0.0000	0	0.00	
		Jun 2019	ZAEU	Future	5,256	16.6251	16.4376	0.0000	0.0000	0	0.00	
				176,665					2,952.00	46,514,563.80	15 094 536.00	215 670 305 397.90
Option												
Sep 2018	ZAEU	13.50 Put	29,734	1.9289	2.9608	0.0000	0.0000	0	0.00			
Sep 2018	ZAEU	14.25 Put	57,090	10.1870	15.9133	0.0000	0.0000	0	0.00			
Sep 2018	ZAEU	15.85 Put	86,824	399.4935	510.9072	0.0000	0.0000	0	0.00			
Sep 2018	ZAEU	16.76 Call	29,734	60.2251	43.1123	0.0000	0.0000	0	0.00			
Sep 2018	ZAEU	19.56 Call	86,824	2.1276	1.9717	0.0000	0.0000	0	0.00			
Mar 2019	ZAEU	16.00 Call	650	885.5030	786.8638	0.0000	0.0000	0	0.00			
			290,856					0.00	0.00	8 025 012.00	0.00	

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Total			467,521					2,952.00	46,514,563.80	23 119 548.00	215 670 305 397.90
Future											
Sep 2018	ZAFR	Future	1,575	13.6016	13.4152	0.0000	0.0000	322	4,346,034.00		
Dec 2018	ZAFR	Future	400	13.8650	13.6754	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	14.4432	14.2420	0.0000	0.0000	0	0.00		
			<u>2,125</u>					<u>322.00</u>	<u>4,346,034.00</u>	<u>614 975.00</u>	<u>6 584 079 924.30</u>
Total			2,125					322.00	4,346,034.00	614 975.00	6 584 079 924.30
Future											
Sep 2018	ZAGB	Future	224,830	17.6031	17.4358	17.7781	17.5100	195	3,418,552.00		
Dec 2018	ZAGB	Future	13,534	17.8730	17.7035	17.8887	17.8430	1,005	17,932,443.50		
Mar 2019	ZAGB	Future	4,932	18.1722	17.9963	18.3379	18.1271	1,000	18,231,825.00		
Jun 2019	ZAGB	Future	6,156	18.4524	18.2733	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	895	18.7618	18.5808	0.0000	0.0000	0	0.00		
			<u>250,347</u>					<u>2,200.00</u>	<u>39,582,820.50</u>	<u>11 935 384.00</u>	<u>200 966 195 423.20</u>
Total			250,347					2,200.00	39,582,820.50	13 709 497.00	200 966 195 423.20
Future											
Sep 2018	ZAJY	Future	115	0.1213	0.1189	0.0000	0.0000	0	0.00		
			<u>115</u>					<u>0.00</u>	<u>0.00</u>	<u>993 919.00</u>	<u>11 089 418 491.40</u>
Total			115					0.00	0.00	993 919.00	11 089 418 491.40
Future											
Sep 2018	ZAKS	Future	562	0.1335	0.1311	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,093	0.1315	0.1283	0.0000	0.0000	0	0.00		
			<u>1,655</u>					<u>0.00</u>	<u>0.00</u>	<u>35 358.00</u>	<u>476 333 960.00</u>
Total			1,655					0.00	0.00	35 358.00	476 333 960.00
Future											
Sep 2018	ZATR	Future	1,500	2.6110	2.6433	0.0000	0.0000	0	0.00		
			<u>1,500</u>					<u>0.00</u>	<u>0.00</u>	<u>305 794.00</u>	<u>1 053 284 652.00</u>
Total			1,500					0.00	0.00	305 794.00	1 053 284 652.00
Future											
Sep 2018	ZAUM	Future	355	13.4828	13.2664	0.0000	0.0000	10	13,266,400.00		
Dec 2018	ZAUM	Future	20	13.6356	13.4160	0.0000	0.0000	0	0.00		
Mar 2019	ZAUM	Future	5	13.7990	13.5748	0.0000	0.0000	0	0.00		
			<u>380</u>					<u>10.00</u>	<u>13,266,400.00</u>	<u>152 086.00</u>	<u>175 470 702 020.00</u>
Total			380					10.00	13,266,400.00	156 609.00	175 470 702 020.00

<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>
Future									
Sep 2018	ZAUS	Future	468,987	13.4828	13.2664	13.5737	13.3400	201,363	2,707,171,092.00
Dec 2018	ZAUS	Future	68,020	13.6356	13.4160	13.6550	13.5810	8,649	118,207,468.90
Mar 2019	ZAUS	Future	7,820	13.7990	13.5748	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	Future	15,910	13.9510	13.7238	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	Future	0	14.2808	14.0482	0.0000	0.0000	25	337,585.00
			<u>560,737</u>					<u>210,037.00</u>	<u>2,825,716,145.90</u>
									<u>179 706 914.00</u>
									<u>2 129 536 760 997.90</u>
Option									
Sep 2018	ZAUS	11.48 Put	5,200	1.2610	2.2703	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	1.3169	2.3813	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	1.6382	3.0262	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	2.2846	4.3491	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	2.8620	5.5504	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	3.2071	6.2754	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	4.0366	8.7810	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	1241.2652	1035.8591	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	8.4652	19.4591	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	10.2157	22.6401	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	13.6731	28.6889	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	1003.5332	806.8038	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	44,000	20.7332	40.4038	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	26.9928	51.1208	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	29.7170	56.2292	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	33.7035	63.6262	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	761.1953	586.5527	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	735.5839	564.2689	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Put	500	52.7839	97.8689	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	60.8064	111.7496	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	577.6828	427.8468	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	72,000	94.8828	161.4468	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.10 Put	2,500	123.9393	201.5972	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	441.2537	313.9055	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	158.4537	247.5055	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	10,000	166.0311	258.1020	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	410.6265	290.8313	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	177.8265	274.4313	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	500	381.4276	269.1796	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	278.9278	195.8445	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	238.9343	166.3491	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	356.1343	499.9491	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	220.8831	153.1870	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	125.4638	85.0010	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	14.00 Put	1,500	642.6638	818.6010	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	90.1808	60.3808	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	38.6202	24.1293	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	22.2200	12.8802	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	2.9039	1.9484	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	2.4986	1.9115	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	2.0152	1.8656	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	1.7339	1.8097	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	21.3441	28.2585	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	25.5582	33.4311	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	32.5614	41.9613	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	38.1785	48.7628	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	39.4045	50.2433	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	44.6808	58.7086	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	52.1892	72.7388	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	56.3637	80.6360	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	71.9985	104.1405	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1227.1351	1045.9432	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	91.5351	129.9432	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	116.8439	162.6947	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	127.8080	176.6907	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	144.3623	197.6310	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	852.3220	706.5941	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	175,030	216.7220	290.5941	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	253.1026	333.9717	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	728.5802	596.8583	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	301.3726	390.6540	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	699.8256	571.6006	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	37,800	314.2256	405.6006	0.0000	0.0000	5,000	0.00
Dec 2018	ZAUS	13.45 Put	4,080	407.8483	514.0245	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	568.9754	459.9447	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	433.3754	543.9447	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	544.5452	671.2402	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	550.5702	677.9095	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	449.2122	361.3535	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	0	593.6122	725.3535	0.0000	0.0000	200	0.00
Dec 2018	ZAUS	13.79 Put	10,000	599.8816	732.2394	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	441.7804	355.1515	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	389.6655	311.8602	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	21,010	373.6560	298.6321	0.0000	0.0000	10,100	0.00
Dec 2018	ZAUS	14.13 Call	20,000	335.0142	267.0687	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	283.2579	225.3278	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>
Dec 2018	ZAUS	14.38 Call	30	271.6527	216.0170	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	258.3805	205.3877	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	226.2088	179.7200	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	224.3435	178.2374	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	222.4973	176.7657	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	208.2843	165.4787	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	199.9009	158.8280	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	185.7134	146.8067	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	15,100	163.1370	127.7341	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	161.7450	126.6327	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	151.0354	118.1773	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	143.4907	112.2322	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	108.5338	84.8130	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	90.3780	70.6501	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	5.6855	7.1301	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	45.6022	64.0111	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	79.4198	105.6470	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	148.1201	191.3150	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	836.0625	713.2088	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	492.0060	593.8830	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	646.5884	765.8363	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	711.2803	836.6285	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	498.0521	419.7248	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	446.8550	376.9462	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	338.3780	284.3623	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	254.1897	210.6764	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	240.8111	199.5769	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	9.1925	12.0340	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	147.0276	192.7105	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	272.5303	330.5923	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	346.6577	415.0283	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	444.4239	532.7451	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	741.9595	858.7117	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	12,450	770.6998	889.8158	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	595.3531	516.5740	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	530.5718	460.3492	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	376.5891	323.4237	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	12,450	364.1102	312.7262	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	334.0876	287.0456	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	315.6327	271.2866	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	17.7132	16.5953	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	239.4392	300.2807	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	15.87 Call	1,000	470.7050	414.9085	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	170.1440	143.7192	0.0000	0.0000	0	0.00	
			<u>2,731,071</u>					<u>15,300.00</u>	<u>0.00</u>	<u>51 308 452.00</u>
		Total	3,291,808					225,337.00	2,825,716,145.90	231 015 366.00
										2 129 536 760 997.90

Grand Total	4,668,769							285,921.00	2 930 676 201.20	316,072,330	2,968,343,022,381.12
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