



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 17-July-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	356.0361	363.0003	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											
Jul 2018	DAEU	Future	33	15.4950	15.5448	0.0000	0.0000	0	0.00		
Sep 2018	DAEU	Future	34	15.6140	15.6639	0.0000	0.0000	0	0.00		
			<u>67</u>					<u>0.00</u>	<u>0.00</u>	<u>801 227.00</u>	<u>11 964 244 481.80</u>
		Total	67					0.00	0.00	1 758 014.00	11 964 244 481.80
Future											
Jul 2018	DAUS	Future	1,800	13.2310	13.2459	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	500	13.2380	13.2528	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	20,570	13.2397	13.2545	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,204	13.2431	13.2579	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	3,262	13.2500	13.2648	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	55	13.2534	13.2682	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	13.2722	13.2869	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	6,070	13.2756	13.2903	0.0000	0.0000	500	6,640,250.00		
Aug 2018	DAUS	Future	600	13.2841	13.2989	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	3,299	13.3029	13.3177	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	13.3081	13.3228	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	4,032	13.3508	13.3655	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	13.3576	13.3723	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	13.3969	13.4114	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	13.4037	13.4182	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	3,608	13.4071	13.4216	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	13.4088	13.4233	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	13.4293	13.4438	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	700	13.4344	13.4489	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>		
Nov 2018	DAUS	Future	3,363	13.4584	13.4727	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,078	13.5113	13.5255	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.5147	13.5289	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.5626	13.5767	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.5643	13.5784	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.5866	13.6006	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	13.6124	13.6262	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.6588	13.6723	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.6691	13.6825	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	13.7168	13.7304	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	13.7687	13.7837	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	54,000	13.7737	13.7888	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	13.8206	13.8369	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	13.8746	13.8921	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	13.9334	13.9513	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	13.9884	14.0069	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.0416	14.0606	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.1004	14.1198	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.1573	14.1772	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.2105	14.2309	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.2674	14.2883	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.3243	14.3457	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.3738	14.3957	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.4362	14.4586	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.5421	14.5655	0.0000	0.0000	0	0.00		
			<u>203,477</u>					<u>500.00</u>	<u>6,640,250.00</u>	<u>10 408 787.00</u>	<u>126 804 288 299.30</u>
Option											
Jul 2018	DAUS	14.45 Put	1,500	1212.6276	1198.1330	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	0.0165	0.0149	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.25 Put	20,000	136.6289	136.5236	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.00 Put	500	57.5354	59.6749	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.50 Call	500	68.0050	79.2450	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	572.8658	564.4790	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	0.0818	0.1405	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	0.1031	0.1161	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	4.6392	5.9823	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	637.7227	628.7554	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	0.3273	0.3517	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.43 Put	106	316.1256	313.3896	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.55 Call	106	125.5629	135.9617	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.00 Put	500	141.6815	143.6422	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.65 Call	500	158.2083	169.0845	0.0000	0.0000	0	0.00		

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Aug 2018	DAUS	13.80 Put	1,000	620.3924	614.8840	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	1.8579	2.1617	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	1.7281	1.9490	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	301.1450	301.7257	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	192.6376	194.0584	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	211.0507	221.4373	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	655.1023	650.6218	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	8.8655	10.0192	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	4.4713	5.0660	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.51 Call	5,000	338.4591	349.8100	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	240.2328	239.7399	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	690.4016	685.2119	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	261.9405	270.4483	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	18.8040	20.1423	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	7.8205	8.5842	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	26.5391	28.2505	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	737.1575	731.7039	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	13.7298	14.0664	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	5.9676	6.3134	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	22.9100	23.2939	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	572.2871	584.8872	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	274.5977	273.5774	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	716.1249	711.1568	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	295.8579	303.7618	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	35.8315	38.2524	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	23.5565	25.7318	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	625.2695	620.9940	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	89.1619	92.8257	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	384.0147	381.8295	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	433.5725	430.9471	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	220.7274	227.0697	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	206.5055	212.6283	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	302.2633	300.9996	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	736.1320	731.1491	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	326.9598	334.7126	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	50.9829	53.1489	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	36.3709	38.6656	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	329.4883	326.8774	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	353.5694	360.7785	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	350.6946	347.5874	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	378.2568	384.4184	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	370.4437	366.9427	0.0000	0.0000	0	0.00

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Mar 2019	DAUS	14.67 Call	500	400.5731	405.8461	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	389.5790	387.0813	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	853.4068	861.7629	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	421.6972	426.0916	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	409.0270	405.6578	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	440.1432	444.3122	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	424.7880	420.7893	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	454.1897	457.9388	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	637.6640	630.5191	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	265.6340	267.8647	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	442.9281	438.9678	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	475.0605	480.0880	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	460.4640	456.2405	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	492.5011	497.7984	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	474.8810	471.5386	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	513.6815	519.8745	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	488.9736	486.2238	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	529.6928	536.6749	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	501.0403	498.7332	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	547.5445	555.1529	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	512.6459	510.8915	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	565.3292	573.6865	0.0000	0.0000	0	0.00		
			<u>350,739</u>					<u>0.00</u>	<u>0.00</u>	<u>19 289 044.00</u>	<u>0.00</u>
Total			554,216					500.00	6,640,250.00	29 697 831.00	126 804 288 299.30
Future											
Sep 2018	EUUS	Future	150	1.1735	1.1760	1.1790	1.1790	15	176,850.00		
			<u>150</u>					<u>15.00</u>	<u>176,850.00</u>	<u>729 434.00</u>	<u>8 270 224 217.00</u>
Total			150					15.00	176,850.00	729 434.00	8 270 224 217.00
Future											
Sep 2018	ZAAD	Future	12,322	9.8521	9.9011	9.8965	9.8965	50	494,825.00		
Dec 2018	ZAAD	Future	11,415	9.9655	10.0136	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	10.2128	10.2600	0.0000	0.0000	0	0.00		
			<u>28,666</u>					<u>50.00</u>	<u>494,825.00</u>	<u>3 685 055.00</u>	<u>32 004 226 766.90</u>
Total			28,666					50.00	494,825.00	3 717 432.00	32 004 226 766.90
Future											
Dec 2018	ZACA	Future	845	10.2519	10.3053	0.0000	0.0000	0	0.00		
			<u>845</u>					<u>0.00</u>	<u>0.00</u>	<u>136 568.00</u>	<u>1 343 715 636.10</u>
Total			845					0.00	0.00	136 568.00	1 343 715 636.10

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Future										
Sep 2018	ZADK	Future	245	2.1000	2.1071	0.0000	0.0000	0	0.00	
Dec 2018	ZADK	Future	15	2.1391	2.1465	0.0000	0.0000	0	0.00	
			260					0.00	0.00	11 835.00 254 651 919.00
		Total	260					0.00	0.00	11 835.00 254 651 919.00
Future										
Sep 2018	ZAEU	Future	133,624	15.6455	15.6955	15.7782	15.6550	61	957,794.80	
Dec 2018	ZAEU	Future	26,982	15.9317	15.9815	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	Future	4,808	16.2548	16.3044	16.2747	16.2747	5	81,373.50	
Jun 2019	ZAEU	Future	5,256	16.5601	16.6132	0.0000	0.0000	0	0.00	
			170,670					66.00	1,039,168.30	15 079 585.00 215 433 360 679.90
Option										
Sep 2018	ZAEU	13.50 Put	29,734	4.3401	4.6797	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	57,090	16.2596	15.5497	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	485.5487	463.2883	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	87.5140	99.8657	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	4.0429	4.4652	0.0000	0.0000	0	0.00	
			290,206					0.00	0.00	8 023 712.00 0.00
		Total	460,876					66.00	1,039,168.30	23 103 297.00 215 433 360 679.90
Future										
Sep 2018	ZAFR	Future	1,575	13.4188	13.4312	0.0000	0.0000	0	0.00	
Dec 2018	ZAFR	Future	400	13.6789	13.6888	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	14.2462	14.2594	0.0000	0.0000	0	0.00	
			2,125					0.00	0.00	614 653.00 6 579 733 890.30
		Total	2,125					0.00	0.00	614 653.00 6 579 733 890.30
Future										
Sep 2018	ZAGB	Future	226,328	17.5941	17.7072	17.7790	17.6389	175	3,085,275.00	
Dec 2018	ZAGB	Future	9,129	17.8625	17.9765	18.0400	18.0150	720	12,982,500.00	
Mar 2019	ZAGB	Future	4,932	18.1607	18.2752	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	6,156	18.4384	18.5563	0.0000	0.0000	0	0.00	
			246,545					895.00	16,067,775.00	11 921 712.00 200 721 833 816.10
		Total	246,545					895.00	16,067,775.00	13 695 825.00 200 721 833 816.10
Future										
Sep 2018	ZAJY	Future	115	0.1186	0.1192	0.0000	0.0000	0	0.00	
			115					0.00	0.00	993 919.00 11 089 418 491.40
		Total	115					0.00	0.00	993 919.00 11 089 418 491.40

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Future										
Sep 2018	ZAKS	Future	562	0.1315	0.1315	0.0000	0.0000	0	0.00	
Jun 2019	ZAKS	Future	1,093	0.1299	0.1274	0.0000	0.0000	0	0.00	
			<u>1,655</u>					<u>0.00</u>	<u>0.00</u>	<u>35 358.00</u>
		Total	1,655					0.00	0.00	35 358.00
Future										
Sep 2018	ZATR	Future	12,975	2.7107	2.6857	0.0000	0.0000	0	0.00	
			<u>12,975</u>					<u>0.00</u>	<u>0.00</u>	<u>292 954.00</u>
		Total	12,975					0.00	0.00	292 954.00
Future										
Sep 2018	ZAUM	Future	340	13.3320	13.3468	0.0000	0.0000	0	0.00	
Dec 2018	ZAUM	Future	15	13.4823	13.4966	0.0000	0.0000	0	0.00	
Mar 2019	ZAUM	Future	5	13.6433	13.6569	0.0000	0.0000	0	0.00	
			<u>360</u>					<u>0.00</u>	<u>0.00</u>	<u>152 016.00</u>
		Total	360					0.00	0.00	152 016.00
Future										
Sep 2018	ZAUS	Future	503,664	13.3320	13.3468	13.3937	13.3100	52,618	702,902,085.40	
Dec 2018	ZAUS	Future	61,430	13.4823	13.4966	13.5400	13.4908	3	40,570.80	
Mar 2019	ZAUS	Future	5,900	13.6433	13.6569	13.6855	13.6566	35	478,848.00	
Jun 2019	ZAUS	Future	15,910	13.7921	13.8077	0.0000	0.0000	0	0.00	
			<u>586,904</u>					<u>52,656.00</u>	<u>703,421,504.20</u>	<u>178 839 168.00</u>
		Total								2 117 873 848 689.90
Option										
Sep 2018	ZAUS	11.48 Put	5,200	3.3169	3.8558	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.50 Put	45,000	3.4164	3.9684	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.60 Put	2,000	3.9697	4.5916	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.75 Put	93,314	5.0107	5.7562	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.85 Put	48,200	5.8858	6.7286	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.90 Put	3,000	6.3909	7.2874	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.00 Put	13,300	7.5655	8.5800	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.25 Call	500	1102.3109	1118.9389	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.25 Put	40,000	20.3109	22.1389	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.30 Put	100	24.2697	26.2770	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.38 Put	60,000	31.8671	34.1606	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.50 Call	4,600	878.6446	896.1434	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.50 Put	44,000	46.6446	49.3434	0.0000	0.0000	10,000	0.00	
Sep 2018	ZAUS	12.58 Put	8,000	59.1018	62.0317	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.61 Put	13,231	64.3682	67.3743	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.65 Put	1,550	71.9261	75.0231	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.77 Call	5,200	661.3096	679.3114	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	12.80 Call	50	639.3059	657.2919	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	3,750	121.5919	124.7207	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	503.8918	521.4154	0.0000	0.0000	22,500	0.00
Sep 2018	ZAUS	13.00 Put	78,000	171.8918	174.6154	0.0000	0.0000	22,500	0.00
Sep 2018	ZAUS	13.10 Put	2,500	211.8155	214.0712	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	388.9107	405.3511	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	256.9107	258.5511	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	266.5486	268.0491	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	363.3859	379.4682	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	281.3859	282.6682	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	258.4458	272.4512	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	225.5249	238.6187	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	493.5249	491.8187	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	210.5785	223.2075	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	63,000	129.7766	139.2111	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	797.7766	792.4111	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	48.2921	53.1112	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	28.8926	33.0483	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	5.0503	6.9381	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	4.6580	6.3784	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	4.3789	5.8428	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	4.0182	5.1536	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	30.2279	30.7038	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	36.1213	36.5217	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	45.8462	46.0902	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	53.5858	53.6850	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	55.2689	55.3329	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	62.4855	62.3998	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	74.7385	74.5262	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	82.6395	82.4095	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	106.0639	105.7748	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1113.9383	1127.8791	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	131.6383	131.2791	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	163.9570	163.4934	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	177.7234	177.2140	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	198.2883	197.7072	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	770.5876	783.6546	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	175,030	288.2876	287.0546	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	331.2394	329.6091	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	659.9010	672.1438	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	387.2742	385.1299	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	634.3386	646.3567	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	13.25 Put	22,800	402.0386	399.7567	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	507.9352	504.7118	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	518.6782	529.5124	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	536.3782	532.9124	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	660.4630	656.0269	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	666.9650	662.4821	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	415.5268	425.0070	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	713.2268	708.4070	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	719.9416	715.0718	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	408.9822	418.3660	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	363.0840	371.7509	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	16,130	348.9778	357.4089	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	314.8849	322.7224	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	269.0533	276.1976	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	258.7401	265.7358	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	246.9204	253.7480	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	218.1775	224.5721	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	216.5077	222.8732	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	214.8519	221.1912	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	202.0945	208.2276	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	194.5537	200.5582	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	181.7571	187.5411	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	15,100	159.8473	165.1846	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	158.5673	163.8781	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	148.7175	153.8136	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	141.7580	146.6987	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	109.2534	113.4121	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	92.1533	95.8577	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	6.3310	6.5515	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	62.3903	62.5504	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	105.0442	104.5741	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	189.5387	188.0883	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	772.3414	781.9238	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	584.4574	580.4020	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	752.7876	747.6521	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	822.2335	816.6863	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	467.9347	474.4180	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	422.2956	428.2328	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	324.0431	328.7323	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	243.8456	247.8937	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	231.5349	235.4837	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	9.9877	10.2897	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	12.28 Put	1,000	186.5909	184.4622	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	326.2067	322.5266	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	409.5169	405.2005	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	522.6485	517.4538	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	844.8385	837.3850	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	12,450	875.5070	867.8494	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	563.4542	568.8040	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	504.7059	509.3746	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	361.4782	364.7947	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	12,450	349.9576	353.2018	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	322.2126	325.2888	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	305.1326	308.1033	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	18.2929	20.1743	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	292.1932	286.6594	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	456.2466	461.7260	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	168.0866	170.7560	0.0000	0.0000	0	0.00
			<u>2,737,791</u>					<u>55,000.00</u>	<u>0.00</u>
		Total	3,324,695					107,656.00	703,421,504.20
								<u>230 056 700.00</u>	<u>2 117 873 848 689.90</u>

Grand Total	4,658,550			109,182.00	727 840 372.50	313,848,731	2,954,939,938,186.82
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