



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 18-July-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Oct 2018	CC01	Future	25,000	277.5964	356.0361	0.0000	0.0000	0	0.00
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>
		Total	25,000					0.00	0.00
									25 000.00
									7 830 750.00
Future									
Jul 2018	DAEU	Future	33	15.4830	15.4950	0.0000	0.0000	0	0.00
Sep 2018	DAEU	Future	34	15.6023	15.6140	0.0000	0.0000	0	0.00
			<u>67</u>					<u>0.00</u>	<u>0.00</u>
		Total	67					0.00	0.00
									801 227.00
									11 964 244 481.80
Future									
Jul 2018	DAUS	Future	1,800	13.2702	13.2310	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	13.2741	13.2380	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	20,570	13.2763	13.2397	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,204	13.2807	13.2431	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	3,262	13.2876	13.2500	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	55	13.2910	13.2534	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.3100	13.2722	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	6,070	13.3135	13.2756	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	600	13.3221	13.2841	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,299	13.3410	13.3029	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	197	13.3462	13.3081	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	4,032	13.3890	13.3508	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	13.3958	13.3576	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.4350	13.3969	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.4418	13.4037	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,608	13.4452	13.4071	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	13.4469	13.4088	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	13.4673	13.4293	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	700	13.4725	13.4344	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	13.4963	13.4584	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	2,078	13.5491	13.5113	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	13.5525	13.5147	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	13.6002	13.5626	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	13.6019	13.5643	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	13.6241	13.5866	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	4,725	13.6498	13.6124	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	13.6959	13.6588	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	13.7062	13.6691	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	13.7539	13.7168	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	13.8061	13.7687	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	54,000	13.8111	13.7737	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	13.8583	13.8206	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	13.9122	13.8746	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	13.9713	13.9334	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.0267	13.9884	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.0802	14.0416	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.1393	14.1004	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.1966	14.1573	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.2502	14.2105	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.3074	14.2674	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.3647	14.3243	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.4145	14.3738	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.4773	14.4362	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.5840	14.5421	0.0000	0.0000	0	0.00
			<u>203,477</u>					<u>0.00</u>	<u>0.00</u>
									<u>10 408 787.00</u>
									<u>126 804 288 299.30</u>
Option									
Jul 2018	DAUS	14.45 Put	1,500	1176.2646	1212.6276	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	0.0152	0.0165	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.25 Put	20,000	111.0434	136.6289	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.00 Put	500	44.8467	57.5354	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.50 Call	500	70.8296	68.0050	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	534.9518	572.8658	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	0.0587	0.0818	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	0.0816	0.1031	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	3.6001	4.6392	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	600.5830	637.7227	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	0.2531	0.3273	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.43 Put	106	286.4044	316.1256	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.55 Call	106	131.3678	125.5629	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	125.3370	141.6815	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	164.4597	158.2083	0.0000	0.0000	0	0.00

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Aug 2018	DAUS	13.80 Put	1,000	586.6875	620.3924	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	1.6465	1.8579	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	1.5496	1.7281	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	277.2593	301.1450	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	176.1702	192.6376	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	217.7569	211.0507	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	623.3717	655.1023	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	8.5808	8.8655	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	4.3512	4.4713	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.51 Call	5,000	349.9842	338.4591	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	223.9142	240.2328	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	660.8378	690.4016	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	269.0633	261.9405	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	19.3229	18.8040	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	8.0548	7.8205	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	25.2422	26.5391	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	707.1960	737.1575	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	15.2617	13.7298	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	5.4381	5.9676	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	20.7978	22.9100	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	590.5444	572.2871	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	258.1436	274.5977	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	687.9959	716.1249	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	302.9491	295.8579	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	36.7476	35.8315	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	24.8487	23.5565	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	599.3713	625.2695	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	90.3696	89.1619	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	365.3759	384.0147	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	413.3756	433.5725	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	224.7322	220.7274	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	210.0965	206.5055	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	286.8421	302.2633	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	709.0017	736.1320	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	333.9163	326.9598	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	51.8566	50.9829	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	37.9837	36.3709	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	189.2388	0.0000	0.0000	0.0000	263	0.00
Jan 2019	DAUS	13.00 Put	500	313.2594	329.4883	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	360.2060	353.5694	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	334.7394	350.6946	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	384.8103	378.2568	0.0000	0.0000	0	0.00

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Mar 2019	DAUS	13.00 Put	500	354.8066	370.4437	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.67 Call	500	407.0439	400.5731	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	375.0482	389.5790	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	869.3853	853.4068	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	427.2099	421.6972	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	394.6718	409.0270	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	445.7678	440.1432	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	410.6227	424.7880	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	459.5648	454.1897	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	617.7709	637.6640	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	267.8453	265.6340	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	429.0426	442.9281	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	480.9636	475.0605	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	445.9479	460.4640	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	498.0411	492.5011	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	460.9913	474.8810	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	519.5774	513.6815	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	475.3088	488.9736	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	535.8055	529.6928	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	487.4618	501.0403	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	553.6899	547.5445	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	499.2208	512.6459	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	571.7559	565.3292	0.0000	0.0000	0	0.00		
			<u>351,002</u>					<u>263.00</u>	<u>0.00</u>	<u>19 289 307.00</u>	<u>0.00</u>
Total			554,479					263.00	0.00	29 698 094.00	126 804 288 299.30
Future											
Sep 2018	EUUS	Future	165	1.1693	1.1735	1.1675	1.1675	15	175,125.00		
			<u>165</u>					<u>15.00</u>	<u>175,125.00</u>	<u>729 449.00</u>	<u>8 270 399 342.00</u>
Total			165					15.00	175,125.00	729 449.00	8 270 399 342.00
Future											
Sep 2018	GBUS	Future	2	1.3079	1.3197	1.3122	1.3122	2	26,244.00		
			<u>2</u>					<u>2.00</u>	<u>26,244.00</u>	<u>167 341.00</u>	<u>2 152 819 054.00</u>
Total			2					2.00	26,244.00	167 341.00	2 152 819 054.00
Future											
Sep 2018	ZAAD	Future	12,322	9.8649	9.8521	9.8600	9.8600	10	98,600.00		
Dec 2018	ZAAD	Future	11,416	9.9787	9.9655	9.9950	9.9950	1	9,995.00		
Jun 2019	ZAAD	Future	4,929	10.2268	10.2128	0.0000	0.0000	0	0.00		
			<u>28,667</u>					<u>11.00</u>	<u>108,595.00</u>	<u>3 685 066.00</u>	<u>32 004 335 361.90</u>

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Total			28,667					11.00	108,595.00	3 717 443.00	32 004 335 361.90
Future											
Dec 2018	ZACA	Future	845	10.2540	10.2519	0.0000	0.0000	0	0.00		
			<u>845</u>					<u>0.00</u>	<u>0.00</u>	136 568.00	1 343 715 636.10
Total			845					0.00	0.00	136 568.00	1 343 715 636.10
Future											
Sep 2018	ZADK	Future	245	2.0993	2.1000	0.0000	0.0000	0	0.00		
Dec 2018	ZADK	Future	15	2.1384	2.1391	0.0000	0.0000	0	0.00		
			<u>260</u>					<u>0.00</u>	<u>0.00</u>	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	15.6338	15.6455	15.7066	15.6789	36	565,276.90		
Dec 2018	ZAEU	Future	26,982	15.9190	15.9317	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	Future	4,808	16.2401	16.2548	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	16.5450	16.5601	0.0000	0.0000	0	0.00		
			<u>170,670</u>					<u>36.00</u>	<u>565,276.90</u>	15 079 621.00	215 433 925 956.80
Option											
Sep 2018	ZAEU	13.50 Put	29,734	4.2071	4.3401	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	57,090	15.9599	16.2596	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	483.8821	485.5487	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	80.5018	87.5140	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	3.5628	4.0429	0.0000	0.0000	0	0.00		
			<u>290,206</u>					<u>0.00</u>	<u>0.00</u>	8 023 712.00	0.00
Total			460,876					36.00	565,276.90	23 103 333.00	215 433 925 956.80
Future											
Sep 2018	ZAFR	Future	1,575	13.4396	13.4188	0.0000	0.0000	0	0.00		
Dec 2018	ZAFR	Future	400	13.6976	13.6789	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	14.2666	14.2462	0.0000	0.0000	0	0.00		
			<u>2,125</u>					<u>0.00</u>	<u>0.00</u>	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	226,559	17.4867	17.5941	17.6300	17.5213	249	4,371,578.80		
Dec 2018	ZAGB	Future	9,525	17.7534	17.8625	17.8334	17.8050	399	7,115,467.40		
Mar 2019	ZAGB	Future	4,932	18.0490	18.1607	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,156	18.3271	18.4384	0.0000	0.0000	0	0.00		
			<u>247,172</u>					<u>648.00</u>	<u>11,487,046.20</u>	11 922 360.00	200 733 320 862.30

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Total			247,172					648.00	11,487,046.20	13 696 473.00	200 733 320 862.30	
Future												
	Sep 2018	ZAJY	Future	115	0.1190	0.1186	0.0000	0.0000	0	0.00		
				<u>115</u>					<u>0.00</u>	<u>0.00</u>	993 919.00	11 089 418 491.40
			Total	115					0.00	0.00	993 919.00	11 089 418 491.40
Future												
	Sep 2018	ZAKS	Future	562	0.1316	0.1315	0.0000	0.0000	0	0.00		
	Jun 2019	ZAKS	Future	1,093	0.1300	0.1299	0.0000	0.0000	0	0.00		
				<u>1,655</u>					<u>0.00</u>	<u>0.00</u>	35 358.00	476 333 960.00
			Total	1,655					0.00	0.00	35 358.00	476 333 960.00
Future												
	Sep 2018	ZATR	Future	12,975	2.7105	2.7107	0.0000	0.0000	0	0.00		
				<u>12,975</u>					<u>0.00</u>	<u>0.00</u>	292 954.00	1 018 927 467.50
			Total	12,975					0.00	0.00	292 954.00	1 018 927 467.50
Future												
	Sep 2018	ZAUM	Future	340	13.3703	13.3320	0.0000	0.0000	0	0.00		
	Dec 2018	ZAUM	Future	15	13.5201	13.4823	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUM	Future	5	13.6806	13.6433	0.0000	0.0000	0	0.00		
				<u>360</u>					<u>0.00</u>	<u>0.00</u>	152 016.00	175 376 965 620.00
			Total	360					0.00	0.00	156 539.00	175 376 965 620.00
Future												
	Sep 2018	ZAUS	Future	498,872	13.3703	13.3320	13.4709	13.3776	24,001	321,813,625.70		
	Dec 2018	ZAUS	Future	61,673	13.5201	13.4823	13.5733	13.5545	741	10,052,031.70		
	Mar 2019	ZAUS	Future	5,900	13.6806	13.6433	0.0000	0.0000	0	0.00		
	Jun 2019	ZAUS	Future	15,910	13.8297	13.7921	0.0000	0.0000	1,530	21,247,875.00		
				<u>582,355</u>					<u>26,272.00</u>	<u>353,113,532.40</u>	178 865 440.00	2 118 226 962 222.30
Option												
	Sep 2018	ZAUS	11.48 Put	5,200	3.1787	3.3169	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.50 Put	45,000	3.2788	3.4164	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.60 Put	2,000	3.8369	3.9697	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.75 Put	93,314	4.8915	5.0107	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.85 Put	48,200	5.7812	5.8858	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.90 Put	3,000	6.2957	6.3909	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	12.00 Put	13,300	7.4928	7.5655	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	12.25 Call	500	1139.1247	1102.3109	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	12.25 Put	40,000	18.8247	20.3109	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	12.30 Put	100	22.2913	24.2697	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	28.9207	31.8671	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	912.0887	878.6446	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	44,000	41.7887	46.6446	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	52.6476	59.1018	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	57.2475	64.3682	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	63.8595	71.9261	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	688.7749	661.3096	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	666.1017	639.3059	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	3,750	108.9381	121.5919	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	525.9106	503.8918	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	78,000	155.6106	171.8918	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.10 Put	2,500	193.0385	211.8155	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	405.9415	388.9107	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	235.6415	256.9107	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	244.7852	266.5486	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	379.1890	363.3859	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	258.8890	281.3859	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	269.0155	258.4458	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	234.4237	225.5249	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	464.1237	493.5249	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	218.7116	210.5785	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	63,000	133.7935	129.7766	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	763.4935	797.7766	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	49.0680	48.2921	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	29.5028	28.8926	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	5.3680	5.0503	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	4.9384	4.6580	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	4.5913	4.3789	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	4.1438	4.0182	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	27.8910	30.2279	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	33.3082	36.1213	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	42.2543	45.8462	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	49.3856	53.5858	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	50.9382	55.2689	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	57.5959	62.4855	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	69.0223	74.7385	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	76.4530	82.6395	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	98.5581	106.0639	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1142.9005	1113.9383	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	122.8005	131.6383	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	153.5675	163.9570	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	12.68 Put	10,000	166.7158	177.7234	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	186.3883	198.2883	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	792.7352	770.5876	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	175,030	272.6352	288.2876	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	313.9326	331.2394	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	678.7365	659.9010	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	367.9804	387.2742	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	652.3504	634.3386	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	22,800	382.2504	402.0386	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	484.9323	507.9352	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	532.6996	518.6782	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	512.5996	536.3782	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	634.1221	660.4630	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	640.5031	666.9650	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	426.0419	415.5268	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	685.9419	713.2268	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	692.5416	719.9416	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	419.2678	408.9822	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	371.7499	363.0840	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	16,130	357.1386	348.9778	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	321.8219	314.8849	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	274.5900	269.0533	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	263.9983	258.7401	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	251.8606	246.9204	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	222.3581	218.1775	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	220.6465	216.5077	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	218.9465	214.8519	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	205.8622	202.0945	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	198.1262	194.5537	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	185.0084	181.7571	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	15,100	162.5709	159.8473	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	161.2626	158.5673	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	151.1830	148.7175	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	144.0647	141.7580	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	110.8439	109.2534	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	93.3917	92.1533	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	5.8447	6.3310	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	57.6970	62.3903	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	98.8839	105.0442	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	180.4125	189.5387	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	788.8535	772.3414	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	563.5654	584.4574	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.75 Put	17,981	728.6415	752.7876	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.86 Put	721	797.0861	822.2335	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.30 Call	500	476.5945	467.9347	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.48 Call	1,000	429.5291	422.2956	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.96 Call	17,981	328.7966	324.0431	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.45 Call	20,000	247.5943	243.8456	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.54 Call	721	235.0086	231.5349	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	9.8645	9.9877	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	176.2074	186.5909	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	314.1290	326.2067	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	395.4528	409.5169	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	504.5229	522.6485	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	821.3116	844.8385	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	12,450	851.5396	875.5070	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	571.7678	563.4542	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	511.6013	504.7059	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	365.8780	361.4782	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	12,450	354.1176	349.9576	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	325.8143	322.2126	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	308.3914	305.1326	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	19.0169	18.2929	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	279.2312	292.1932	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	461.3735	456.2466	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	168.4735	168.0866	0.0000	0.0000	0	0.00		
			<u>2,737,791</u>					<u>0.00</u>	<u>0.00</u>	<u>51 217 532.00</u>	<u>0.00</u>
	Total		3,320,146					26,272.00	353,113,532.40	230 082 972.00	2 118 226 962 222.30
	Grand Total		4,654,909					27,247.00	365 475 819.50	313,875,978	2,955,305,414,006.32