



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 16-July-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Oct 2018	CC01	Future	25,000	363.0003	380.0000	0.0000	0.0000	25,000	7,830,750.00		
			<u>25,000</u>					<u>25,000.00</u>	<u>7,830,750.00</u>	25 000.00	7 830 750.00
		<b>Total</b>	<b>25,000</b>					<b>25,000.00</b>	<b>7,830,750.00</b>	25 000.00	7 830 750.00
<b>Future</b>											
Jul 2018	DAEU	Future	0	15.4638	15.4944	0.0000	0.0000	68	1,051,239.20		
Jul 2018	DAEU	Future	10,000	15.5074	15.4944	0.0000	0.0000	0	0.00		
Jul 2018	DAEU	Future	33	15.5448	15.5346	0.0000	0.0000	0	0.00		
Sep 2018	DAEU	Future	34	15.6639	15.6285	0.0000	0.0000	34	531,369.00		
Sep 2018	DAEU	Future	0	15.6765	15.6285	0.0000	0.0000	68	1,062,738.00		
			<u>10,067</u>					<u>170.00</u>	<u>2,645,346.20</u>	801 227.00	11 964 244 481.80
<b>Option</b>											
Jul 2018	DAEU	15.63 Put	10,000	140.3392	173.0190	0.0000	0.0000	0	0.00		
			<u>10,000</u>					<u>0.00</u>	<u>0.00</u>	956 787.00	0.00
		<b>Total</b>	<b>20,067</b>					<b>170.00</b>	<b>2,645,346.20</b>	1 758 014.00	11 964 244 481.80
<b>Future</b>											
Jul 2018	DAUS	Future	1,800	13.2459	13.2842	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	500	13.2528	13.2910	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	20,570	13.2545	13.2928	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,204	13.2579	13.2962	0.0000	0.0000	500	6,645,450.00		
Jul 2018	DAUS	Future	3,262	13.2648	13.3030	0.0000	0.0000	105	1,395,817.50		
Aug 2018	DAUS	Future	55	13.2682	13.3065	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	13.2869	13.3253	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	6,570	13.2903	13.3287	0.0000	0.0000	1,049	13,890,721.50		
Aug 2018	DAUS	Future	600	13.2989	13.3373	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	3,299	13.3177	13.3562	0.0000	0.0000	105	1,401,750.00		
Sep 2018	DAUS	Future	197	13.3228	13.3614	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	4,032	13.3655	13.4041	0.0000	0.0000	105	1,406,842.50		
Oct 2018	DAUS	Future	55	13.3723	13.4109	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>		
Oct 2018	DAUS	Future	70	13.4114	13.4502	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	13.4182	13.4571	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	3,608	13.4216	13.4606	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	13.4233	13.4623	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	13.4438	13.4830	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	700	13.4489	13.4882	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	3,363	13.4727	13.5123	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,078	13.5255	13.5658	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.5289	13.5692	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.5767	13.6174	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.5784	13.6191	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.6006	13.6414	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	13.6262	13.6671	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.6723	13.7134	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.6825	13.7237	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	13.7304	13.7720	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	13.7837	13.8260	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	54,000	13.7888	13.8312	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	13.8369	13.8800	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	13.8921	13.9359	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	13.9513	13.9958	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.0069	14.0520	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.0606	14.1063	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.1198	14.1662	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.1772	14.2242	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.2309	14.2785	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.2883	14.3365	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.3457	14.3946	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.3957	14.4451	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.4586	14.5088	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.5655	14.6184	0.0000	0.0000	0	0.00		
			<u>203,977</u>					<u>1,864.00</u>	<u>24,740,581.50</u>	<u>10 408 287.00</u>	<u>126 797 648 049.30</u>
<b>Option</b>											
Jul 2018	DAUS	14.45 Put	1,500	1198.1330	1160.8563	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	0.0149	0.0183	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.25 Put	20,000	136.5236	135.1672	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.00 Put	500	59.6749	56.8938	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.50 Call	500	79.2450	104.9126	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	564.4790	541.2380	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	0.1405	0.3503	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	0.1161	0.1968	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	5.9823	6.7363	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	13.86 Put	1,880	628.7554	606.1140	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	0.3517	0.5651	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.43 Put	106	313.3896	302.6416	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.55 Call	106	135.9617	160.6549	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	143.6422	140.4379	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	169.0845	192.6250	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	614.8840	597.0948	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	2.1617	2.6627	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	1.9490	2.3045	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	301.7257	294.4076	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	194.0584	189.5297	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	221.4373	244.6049	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	650.6218	634.8985	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	10.0192	12.6791	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	5.0660	5.8660	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.51 Call	5,000	349.8100	377.2716	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	239.7399	233.9735	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	685.2119	670.3172	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	270.4483	292.9700	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	20.1423	25.7233	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	8.5842	12.9074	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	28.2505	27.7249	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	731.7039	716.0872	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	14.0664	21.4746	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	6.3134	6.0076	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	23.2939	23.5190	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	584.8872	616.1349	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	273.5774	266.7902	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	711.1568	696.4065	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	303.7618	325.6245	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	38.2524	43.4688	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	25.7318	30.0271	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	620.9940	607.8694	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	92.8257	101.9810	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	381.8295	373.7959	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	430.9471	422.0014	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	227.0697	243.7118	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	212.6283	228.4747	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	300.9996	294.3045	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	731.1491	716.5604	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	334.7126	355.8655	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	53.1489	59.0932	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Dec 2018	DAUS	17.58 Call	500	38.6656	43.6449	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	326.8774	320.1187	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	360.7785	381.8236	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	347.5874	341.1942	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	384.4184	405.4980	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	366.9427	360.8168	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	405.8461	426.9325	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	387.0813	381.2437	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	861.7629	894.0863	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	426.0916	447.3414	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	405.6578	400.7200	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	444.3122	465.7413	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	420.7893	415.3233	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	457.9388	479.6395	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	630.5191	621.7060	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	267.8647	282.6387	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	438.9678	434.1615	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	480.0880	502.6919	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	456.2405	450.6077	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	497.7984	520.3847	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	471.5386	464.8155	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	519.8745	542.2625	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	486.2238	478.8949	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	536.6749	558.7417	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	498.7332	490.8526	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	555.1529	577.0987	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	510.8915	502.3748	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	573.6865	595.6809	0.0000	0.0000	0	0.00
			<u>350,739</u>					<u>0.00</u>	<u>0.00</u>
			<b>Total</b>	<b>554,716</b>				<b>1,864.00</b>	<b>24,740,581.50</b>
									<b>29 697 331.00</b>
									<b>126 797 648 049.30</b>
<b>Future</b>									
Sep 2018	EUUS	Future	165	1.1760	1.1718	0.0000	0.0000	0	0.00
			<u>165</u>					<u>0.00</u>	<u>0.00</u>
			<b>Total</b>	<b>165</b>				<b>0.00</b>	<b>0.00</b>
									<b>729 419.00</b>
									<b>8 270 047 367.00</b>
<b>Future</b>									
Sep 2018	ZAAD	Future	12,322	9.9011	9.9150	0.0000	0.0000	0	0.00
Dec 2018	ZAAD	Future	11,415	10.0136	10.0285	0.0000	0.0000	0	0.00
Mar 2019	ZAAD	Future	0	10.1383	10.1558	10.1844	10.1837	400	4,073,585.00
Jun 2019	ZAAD	Future	4,929	10.2600	10.2782	10.3245	10.3245	250	2,581,125.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
			28,666					650.00	6,654,710.00	3 685 005.00	32 003 731 941.90
		<b>Total</b>	<b>28,666</b>					<b>650.00</b>	<b>6,654,710.00</b>	3 717 382.00	32 003 731 941.90
<b>Future</b>											
	Dec 2018 ZACA	Future	845	10.3053	10.3087	10.3037	10.3031	415	4,276,009.00		
			845					415.00	4,276,009.00	136 568.00	1 343 715 636.10
		<b>Total</b>	<b>845</b>					<b>415.00</b>	<b>4,276,009.00</b>	136 568.00	1 343 715 636.10
<b>Future</b>											
	Sep 2018 ZADK	Future	245	2.1071	2.1057	0.0000	0.0000	0	0.00		
	Dec 2018 ZADK	Future	15	2.1465	2.1452	0.0000	0.0000	0	0.00		
			260					0.00	0.00	11 835.00	254 651 919.00
		<b>Total</b>	<b>260</b>					<b>0.00</b>	<b>0.00</b>	11 835.00	254 651 919.00
<b>Future</b>											
	Sep 2018 ZAEU	Future	133,681	15.6955	15.6854	15.6900	15.6415	22,374	350,344,655.70		
	Dec 2018 ZAEU	Future	26,982	15.9815	15.9722	15.9893	15.9893	500	7,994,650.00		
	Mar 2019 ZAEU	Future	4,808	16.3044	16.2955	16.3404	16.3256	500	8,166,500.00		
	Jun 2019 ZAEU	Future	5,256	16.6132	16.6039	16.6810	16.6496	500	8,332,650.00		
			170,727					23,874.00	374,838,455.70	15 079 519.00	215 432 321 511.60
<b>Option</b>											
	Sep 2018 ZAEU	13.50 Put	29,734	4.6797	4.9611	0.0000	0.0000	29,598	0.00		
	Sep 2018 ZAEU	14.25 Put	57,090	15.5497	15.7546	0.0000	0.0000	0	0.00		
	Sep 2018 ZAEU	15.85 Put	86,824	463.2883	478.5452	0.0000	0.0000	0	0.00		
	Sep 2018 ZAEU	16.76 Call	29,734	99.8657	105.7648	0.0000	0.0000	29,598	0.00		
	Sep 2018 ZAEU	19.56 Call	86,824	4.4652	5.1132	0.0000	0.0000	0	0.00		
			290,206					59,196.00	0.00	8 023 712.00	0.00
		<b>Total</b>	<b>460,933</b>					<b>83,070.00</b>	<b>374,838,455.70</b>	23 103 231.00	215 432 321 511.60
<b>Future</b>											
	Sep 2018 ZAFR	Future	1,575	13.4312	13.4064	0.0000	0.0000	0	0.00		
	Dec 2018 ZAFR	Future	400	13.6888	13.6644	0.0000	0.0000	0	0.00		
	Jun 2019 ZAFR	Future	150	14.2594	14.2333	14.2885	14.2885	250	3,572,125.00		
			2,125					250.00	3,572,125.00	614 653.00	6 579 733 890.30
		<b>Total</b>	<b>2,125</b>					<b>250.00</b>	<b>3,572,125.00</b>	614 653.00	6 579 733 890.30
<b>Future</b>											
	Sep 2018 ZAGB	Future	226,328	17.7072	17.7123	17.7300	17.6682	27	477,689.00		
	Dec 2018 ZAGB	Future	8,409	17.9765	17.9825	18.0067	17.9839	1,252	22,538,642.80		
	Mar 2019 ZAGB	Future	4,932	18.2752	18.2809	0.0000	0.0000	0	0.00		
	Jun 2019 ZAGB	Future	6,156	18.5563	18.5646	18.6444	18.6444	500	9,322,200.00		

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			245,825					1,779.00	32,338,531.80	11 920 817.00	200 705 766 041.10
		<b>Total</b>	<b>245,825</b>					<b>1,779.00</b>	<b>32,338,531.80</b>	13 694 930.00	200 705 766 041.10
<b>Future</b>											
	Sep 2018 ZAJY	Future	115	0.1192	0.1195	0.0000	0.0000	0	0.00		
			115					0.00	0.00	993 919.00	11 089 418 491.40
		<b>Total</b>	<b>115</b>					<b>0.00</b>	<b>0.00</b>	993 919.00	11 089 418 491.40
<b>Future</b>											
	Sep 2018 ZAKS	Future	562	0.1315	0.1313	0.0000	0.0000	0	0.00		
	Jun 2019 ZAKS	Future	1,093	0.1274	0.1286	0.0000	0.0000	0	0.00		
			1,655					0.00	0.00	35 358.00	476 333 960.00
		<b>Total</b>	<b>1,655</b>					<b>0.00</b>	<b>0.00</b>	35 358.00	476 333 960.00
<b>Future</b>											
	Jun 2019 ZANZ	Future	0	9.3713	9.3873	9.4215	9.4215	250	2,355,375.00		
			0					250.00	2,355,375.00	146 146.00	1 121 475 612.60
		<b>Total</b>	<b>0</b>					<b>250.00</b>	<b>2,355,375.00</b>	166 146.00	1 121 475 612.60
<b>Future</b>											
	Sep 2018 ZATR	Future	12,975	2.6857	2.6958	0.0000	0.0000	0	0.00		
			12,975					0.00	0.00	292 954.00	1 018 927 467.50
		<b>Total</b>	<b>12,975</b>					<b>0.00</b>	<b>0.00</b>	292 954.00	1 018 927 467.50
<b>Future</b>											
	Sep 2018 ZAUM	Future	340	13.3468	13.3854	0.0000	0.0000	0	0.00		
	Dec 2018 ZAUM	Future	15	13.4966	13.5365	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUM	Future	5	13.6569	13.6980	13.6994	13.6900	5	6,846,880.00		
	Jun 2019 ZAUM	Future	0	13.8077	13.8504	13.8787	13.8787	5	6,939,350.00		
			360					10.00	13,786,230.00	152 016.00	175 376 965 620.00
		<b>Total</b>	<b>360</b>					<b>10.00</b>	<b>13,786,230.00</b>	156 539.00	175 376 965 620.00
<b>Future</b>											
	Sep 2018 ZAUS	Future	494,054	13.3468	13.3854	13.3768	13.2850	74,767	996,002,382.50		
	Dec 2018 ZAUS	Future	61,427	13.4966	13.5365	13.5070	13.4534	10,903	146,900,490.60		
	Mar 2019 ZAUS	Future	5,930	13.6569	13.6980	13.6900	13.6050	252	3,449,710.00		
	Jun 2019 ZAUS	Future	15,910	13.8077	13.8504	13.8656	13.8656	505	6,964,328.00		
			577,321					86,427.00	1,153,316,911.10	178 786 512.00	2 117 170 427 185.70
<b>Option</b>											
	Sep 2018 ZAUS	11.48 Put	5,200	3.8558	4.0277	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.50 Put	45,000	3.9684	4.1486	0.0000	0.0000	0	0.00		

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Sep 2018	ZAUS	11.60 Put	2,000	4.5916	4.8188	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	5.7562	6.0717	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	6.7286	7.1169	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	7.2874	7.7172	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	8.5800	9.1036	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	1118.9389	1156.6450	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	22.1389	21.2450	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	26.2770	25.3024	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	34.1606	33.0481	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	896.1434	933.3912	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	34,000	49.3434	47.9912	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	62.0317	60.4925	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	67.3743	65.7570	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	75.0231	73.2945	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	679.3114	715.2507	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	657.2919	693.0577	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	3,750	124.7207	121.5741	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	521.4154	555.7635	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	80,500	174.6154	170.3635	0.0000	0.0000	7,500	0.00
Sep 2018	ZAUS	13.10 Put	2,500	214.0712	208.9341	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	405.3511	437.8091	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	258.5511	252.4091	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	268.0491	261.6890	0.0000	0.0000	20,000	0.00
Sep 2018	ZAUS	13.25 Call	1,250	379.4682	411.3764	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	282.6682	275.9764	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	272.4512	299.5071	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	238.6187	264.0491	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	491.8187	478.6491	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	223.2075	247.8257	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	63,000	139.2111	158.3533	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	792.4111	772.9533	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	53.1112	63.4653	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	33.0483	41.3668	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	6.9381	10.0965	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	6.3784	9.1350	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	5.8428	8.0120	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	5.1536	6.7711	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	30.7038	29.8861	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	36.5217	35.8448	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	46.0902	45.6822	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	53.6850	53.5103	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	55.3329	55.2120	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	12.10 Put	8,580	62.3998	62.5055	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	74.5262	72.8048	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	82.4095	80.4992	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	105.7748	103.3538	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1127.8791	1164.8046	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	131.2791	128.3046	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	163.4934	159.8315	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	177.2140	173.2610	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	197.7072	193.3228	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	783.6546	817.3413	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	175,030	287.0546	280.8413	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	329.6091	322.5427	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	672.1438	704.0776	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	385.1299	376.9790	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	646.3567	677.8277	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	22,800	399.7567	391.3277	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	504.7118	494.3501	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	529.5124	558.5542	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	532.9124	522.0542	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	656.0269	642.3137	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	662.4821	648.6609	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	425.0070	450.3316	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	708.4070	693.8316	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	715.0718	700.3926	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	418.3660	443.4761	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	371.7509	395.2771	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	16,130	357.4089	380.4138	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	322.7224	344.4018	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	276.1976	295.7996	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	265.7358	284.8278	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	253.7480	272.2338	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	224.5721	241.5167	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	222.8732	239.7279	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	221.1912	237.9537	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	208.2276	224.2666	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	200.5582	216.1586	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	187.5411	202.3752	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	15,100	165.1846	179.2135	0.0000	0.0000	1,500	0.00
Dec 2018	ZAUS	15.01 Call	10,000	163.8781	177.8243	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	153.8136	167.1241	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	146.6987	159.5469	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	113.4121	123.9662	0.0000	0.0000	0	0.00



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Dec 2018	ZAUS	15.70 Call	11,380	95.8577	105.0986	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	10.33 Put	1,000	6.5515	6.1264	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	11.74 Put	1,000	62.5504	59.4352	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.06 Put	4,145	104.5741	101.7185	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.47 Put	721	188.0883	184.8798	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.45 Call	4,145	781.9238	813.0365	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.46 Put	20,000	580.4020	570.3482	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.75 Put	17,981	747.6521	735.2103	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.86 Put	721	816.6863	803.2943	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.30 Call	500	474.4180	498.4183	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.48 Call	1,000	428.2328	450.4721	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.96 Call	17,981	328.7323	347.1776	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.45 Call	20,000	247.8937	263.5718	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.54 Call	721	235.4837	250.5621	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	10.2897	9.9980	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	184.4622	179.4524	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	322.5266	318.8542	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	405.2005	400.4742	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	517.4538	509.6719	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	837.3850	825.8486	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	12,450	867.8494	855.9473	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	568.8040	594.1629	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	509.3746	532.9108	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	364.7947	384.0139	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	12,450	353.2018	371.9773	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	325.2888	342.9590	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	308.1033	325.0727	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	20.1743	19.8348	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	286.6594	282.6588	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	461.7260	482.5804	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	170.7560	181.9396	0.0000	0.0000	0	0.00		
			<u>2,752,791</u>					<u>29,000.00</u>	<u>0.00</u>	<u>51 162 532.00</u>	<u>0.00</u>
	<b>Total</b>		<b>3,330,112</b>					<b>115,427.00</b>	<b>1,153,316,911.10</b>	<b>229 949 044.00</b>	<b>2 117 170 427 185.70</b>
<b>Grand Total</b>			<b>4,683,819</b>					<b>228,885.00</b>	<b>1 626 355 025.30</b>	<b>313,739,549</b>	<b>2,954,212,097,814.32</b>