



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 21-November-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Nov 2017	DAEU	Future	800	16.4635	16.5306	0.0000	0.0000	0	0.00
Dec 2017	DAEU	Future	3	16.4811	16.5499	0.0000	0.0000	0	0.00
Dec 2017	DAEU	Future	800	16.5630	16.6368	0.0000	0.0000	0	0.00
Jan 2018	DAEU	Future	30	16.7085	16.7755	0.0000	0.0000	0	0.00
Mar 2018	DAEU	Future	63	16.8725	16.9347	0.0000	0.0000	0	0.00
Mar 2018	DAEU	Future	3	16.9239	16.9875	0.0000	0.0000	0	0.00
			<u>1,699</u>					<u>0.00</u>	<u>0.00</u>
									<u>247 904.00</u>
									<u>3 576 364 446.30</u>
Option									
Jan 2018	DAEU	15.80 Put	193,000	177.6649	156.8148	0.0000	0.0000	0	0.00
Feb 2018	DAEU	16.41 Put	114,748	416.7305	385.2264	0.0000	0.0000	0	0.00
			<u>307,748</u>					<u>0.00</u>	<u>0.00</u>
									<u>632 247.00</u>
									<u>0.00</u>
		Total	309,447					0.00	0.00
									880 151.00
									3 576 364 446.30
Future									
Dec 2017	DAGB	Future	10	18.6448	18.6831	0.0000	0.0000	0	0.00
Jan 2018	DAGB	Future	10	18.8294	18.8639	0.0000	0.0000	0	0.00
Mar 2018	DAGB	Future	17	18.9405	18.9694	0.0000	0.0000	0	0.00
Mar 2018	DAGB	Future	38	18.9901	19.0196	0.0000	0.0000	0	0.00
			<u>75</u>					<u>0.00</u>	<u>0.00</u>
									<u>53 553.00</u>
									<u>878 534 117.50</u>
Option									
Dec 2017	DAGB	19.19 Call	15,200	89.3841	95.7141	0.0000	0.0000	0	0.00
			<u>15,200</u>					<u>0.00</u>	<u>0.00</u>
									<u>207 313.00</u>
		Total	15,275					0.00	0.00
									260 866.00
									878 534 117.50
Future									
Nov 2017	DAUS	Future	300	14.0128	14.0466	0.0000	0.0000	0	0.00
Nov 2017	DAUS	Future	2,190	14.0214	14.0562	0.0000	0.0000	0	0.00
Nov 2017	DAUS	Future	2,708	14.0246	14.0604	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	24	14.0335	14.0697	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	241	14.0559	14.0929	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 2017	DAUS	Future	1,781	14.0581	14.0952	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	916	14.0849	14.1232	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	500	14.0898	14.1278	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	677	14.1043	14.1419	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	500	14.1188	14.1559	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	241	14.1237	14.1606	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	300	14.1334	14.1700	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	241	14.1382	14.1746	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	70	14.1553	14.1909	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	1,923	14.1701	14.2048	0.0000	0.0000	1,008	14,403,104.00
Feb 2018	DAUS	Future	70	14.2023	14.2348	0.0000	0.0000	0	0.00
Feb 2018	DAUS	Future	500	14.2382	14.2693	0.0000	0.0000	0	0.00
Mar 2018	DAUS	Future	189	14.2716	14.3034	0.0000	0.0000	0	0.00
Mar 2018	DAUS	Future	699	14.3028	14.3353	0.0000	0.0000	3	43,149.00
Apr 2018	DAUS	Future	70	14.3607	14.3944	0.0000	0.0000	0	0.00
Apr 2018	DAUS	Future	110	14.3740	14.4081	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	70	14.3985	14.4331	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	181	14.4434	14.4785	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	445	14.5093	14.5441	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	14.5161	14.5508	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	14.5570	14.5915	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	14.5684	14.6029	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,853	14.5820	14.6164	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	14.6116	14.6458	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	1,336	14.6530	14.6869	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	1,295	14.7185	14.7515	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	14.7817	14.8138	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	14.7910	14.8230	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	14.8261	14.8576	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	15.0544	15.1031	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	16.4791	16.5604	0.0000	0.0000	0	0.00
			<u>105,905</u>					<u>1,011.00</u>	<u>14,446,253.00</u>
									<u>6 888 780.00</u>
									<u>83 481 556 259.40</u>
Option									
Nov 2017	DAUS	14.17 Call	10,000	36.3119	58.8469	0.0000	0.0000	0	0.00
Nov 2017	DAUS	14.54 Call	300	24.3802	24.4972	0.0000	0.0000	0	0.00
Nov 2017	DAUS	14.70 Call	50	12.8463	11.8268	0.0000	0.0000	0	0.00
Nov 2017	DAUS	13.50 Put	60	24.6817	17.4402	0.0000	0.0000	0	0.00
Nov 2017	DAUS	17.74 Call	60	0.2307	0.2045	0.0000	0.0000	0	0.00
Nov 2017	DAUS	12.75 Put	238,000	2.0222	1.2478	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.47 Call	30,000	68.7419	74.4423	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.50 Put	60	147.4533	126.7638	0.0000	0.0000	0	0.00
Dec 2017	DAUS	18.02 Call	60	4.5873	4.2115	0.0000	0.0000	0	0.00

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Dec 2017	DAUS	14.50 Call	150	243.0572	244.2599	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.80 Call	200	166.2043	165.5430	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.20 Put	2,000	95.0665	84.3596	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.76 Call	1,000	203.7527	206.5538	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.88 Call	1,000	176.7808	178.7993	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.90 Put	20,000	325.2651	305.1437	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	107,000	128.7407	119.1678	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.27 Put	154,000	133.1523	123.3366	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.30 Put	40,904	139.9750	129.7935	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.40 Put	168,000	164.5783	153.1299	0.0000	0.0000	0	0.00
Feb 2018	DAUS	12.57 Put	242	39.8734	37.4412	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.04 Put	234	89.9344	82.6523	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.15 Put	3,496	109.5971	101.1285	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.22 Call	242	171.3093	174.5215	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.52 Call	2,723	126.6467	128.7220	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.79 Call	234	94.9567	96.6398	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.88 Call	773	86.1603	87.6368	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.80 Put	35,000	307.4686	290.1152	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.16 Put	1,880	119.1213	110.0875	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.86 Put	1,880	336.0473	317.7469	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.05 Call	1,880	222.5983	226.0301	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.90 Put	20,000	357.5775	338.5825	0.0000	0.0000	0	0.00
Feb 2018	DAUS	14.20 Put	20,000	511.1686	488.8159	0.0000	0.0000	0	0.00
Feb 2018	DAUS	14.18 Put	90,000	513.1058	490.8378	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.50 Put	100,000	226.4509	212.4243	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.40 Put	100,000	198.8712	185.9609	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.00 Put	1,000	1075.1419	1046.3965	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.81 Call	2,000	260.4634	262.5822	0.0000	0.0000	0	0.00
Apr 2018	DAUS	13.80 Put	1,000	389.8386	369.7782	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.23 Call	500	388.8970	392.8577	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.66 Call	500	296.7827	299.2808	0.0000	0.0000	0	0.00
May 2018	DAUS	12.74 Put	1,880	110.5670	102.6727	0.0000	0.0000	0	0.00
May 2018	DAUS	13.86 Put	1,880	421.8197	400.9379	0.0000	0.0000	0	0.00
May 2018	DAUS	15.63 Call	1,880	321.8250	324.7065	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Put	11,000	114.2332	106.1013	0.0000	0.0000	0	0.00
May 2018	DAUS	14.50 Put	11,000	755.0914	728.5412	0.0000	0.0000	0	0.00
May 2018	DAUS	15.76 Call	11,000	307.6844	310.3001	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	412.4267	393.4871	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	414.9663	419.7230	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	320.7958	324.1598	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	433.5718	415.9476	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	439.5597	444.5705	0.0000	0.0000	0	0.00

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Jun 2018	DAUS	16.10 Call	500	342.7601	346.8555	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.19 Put	1,500	629.9081	609.5461	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.45 Put	1,500	768.4868	746.1811	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.72 Call	1,500	472.2980	477.6428	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	425.1401	429.8493	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	453.5732	437.9593	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	465.3668	470.5558	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	366.0017	370.1305	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	75.9073	72.8498	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	482.6924	466.4685	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	406.1408	410.7987	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	473.1277	458.6303	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	482.3079	487.4738	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	382.1883	386.1526	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	487.7471	474.4717	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	497.5199	503.2610	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	395.3693	399.2038	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	503.6090	491.5803	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	517.7365	522.7658	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	418.3697	421.7088	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.90 Put	1,880	38.0359	38.2717	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.86 Put	1,880	529.0686	516.7259	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.81 Call	1,880	462.2148	466.1051	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	517.9642	506.1266	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	532.5950	537.5422	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	428.0044	431.0845	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	533.6766	519.3852	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	556.5987	562.6926	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	448.9629	453.4576	0.0000	0.0000	0	0.00		
			<u>1,228,348</u>					<u>0.00</u>	<u>0.00</u>	<u>14 911 420.00</u>	<u>0.00</u>
Total			1,334,253					1,011.00	14,446,253.00	21 800 200.00	83 481 556 259.40
Future											
Dec 2017	EUUS	Future	30	1.1754	1.1773	0.0000	0.0000	0	0.00		
			<u>30</u>					<u>0.00</u>	<u>0.00</u>	<u>649 030.00</u>	<u>7 292 373 935.00</u>
Total			30					0.00	0.00	649 030.00	7 292 373 935.00
Future											
Dec 2017	ZAAD	Future	16,484	10.6679	10.6524	10.7277	10.7100	6,930	74,319,583.20		
Mar 2018	ZAAD	Future	1,650	10.8259	10.8053	0.0000	0.0000	0	0.00		
Jun 2018	ZAAD	Future	300	10.9778	10.9585	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	10,812	11.2901	11.2687	0.0000	0.0000	0	0.00		

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			29,246					6,930.00	74,319,583.20	3 429 317.00	29 471 619 339.10
	Total		29,246					6,930.00	74,319,583.20	3 461 694.00	29 471 619 339.10
Future											
	Dec 2017 ZACA	Future	1,000	11.0245	11.0333	0.0000	0.0000	0	0.00		
			1,000					0.00	0.00	121 953.00	1 198 148 597.10
	Total		1,000					0.00	0.00	121 953.00	1 198 148 597.10
Future											
	Dec 2017 ZADK	Future	1,050	2.2245	2.2336	2.2334	2.2334	100	2,233,400.00		
			1,050					100.00	2,233,400.00	10 020.00	215 760 609.00
	Total		1,050					100.00	2,233,400.00	10 020.00	215 760 609.00
Future											
	Dec 2017 ZAEU	Future	109,844	16.5311	16.6019	16.6653	16.5400	575	9,556,727.20		
	Mar 2018 ZAEU	Future	22,425	16.8871	16.9495	16.9701	16.9201	82	1,388,489.60		
	Jun 2018 ZAEU	Future	546	17.2276	17.2962	0.0000	0.0000	0	0.00		
	Sep 2018 ZAEU	Future	4,679	17.5863	17.6528	0.0000	0.0000	0	0.00		
			137,494					657.00	10,945,216.80	12 786 847.00	180 185 645 228.10
Option											
	Dec 2017 ZAEU	14.00 Put	18,000	4.5316	3.7528	0.0000	0.0000	0	0.00		
	Dec 2017 ZAEU	16.39 Call	18,000	457.9817	487.0119	0.0000	0.0000	0	0.00		
	Mar 2018 ZAEU	15.05 Put	5,648	85.4076	78.9569	0.0000	0.0000	0	0.00		
	Mar 2018 ZAEU	15.10 Put	19,510	90.0440	83.2624	0.0000	0.0000	0	0.00		
	Mar 2018 ZAEU	16.39 Put	174,600	424.3732	393.6614	0.0000	0.0000	0	0.00		
	Mar 2018 ZAEU	16.50 Call	643	859.2966	889.3161	0.0000	0.0000	0	0.00		
	Mar 2018 ZAEU	17.00 Call	620	617.2178	638.5686	0.0000	0.0000	0	0.00		
	Jun 2018 ZAEU	13.75 Put	54,507	28.7727	27.4220	0.0000	0.0000	0	0.00		
	Jun 2018 ZAEU	13.97 Put	7,000	37.1232	33.8945	0.0000	0.0000	0	0.00		
	Jun 2018 ZAEU	15.25 Put	54,507	163.9347	150.9398	0.0000	0.0000	0	0.00		
	Jun 2018 ZAEU	16.44 Put	7,000	489.1548	459.9038	0.0000	0.0000	0	0.00		
	Jun 2018 ZAEU	18.61 Call	7,000	443.7295	459.0831	0.0000	0.0000	0	0.00		
	Jun 2018 ZAEU	20.55 Call	54,507	172.5759	179.3984	0.0000	0.0000	0	0.00		
	Sep 2018 ZAEU	14.25 Put	41,516	69.1856	61.0576	0.0000	0.0000	0	0.00		
	Sep 2018 ZAEU	16.00 Put	41,516	370.0441	347.9331	0.0000	0.0000	0	0.00		
	Sep 2018 ZAEU	21.63 Call	41,516	248.0899	252.6676	0.0000	0.0000	41	0.00		
			546,090					41.00	0.00	6 003 329.00	0.00
	Total		683,584					698.00	10,945,216.80	18 790 176.00	180 185 645 228.10
Future											
	Dec 2017 ZAFR	Future	1,502	14.2228	14.2369	0.0000	0.0000	0	0.00		

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			1,502					0.00	0.00	598 403.00	6 361 410 016.60
		Total	1,502					0.00	0.00	598 403.00	6 361 410 016.60
Future											
	Dec 2017 ZAGB	Future	213,427	18.6554	18.6941	18.8269	18.6700	827	15,506,384.30		
	Mar 2018 ZAGB	Future	4,231	19.0042	19.0340	19.1185	19.0863	105	2,004,222.50		
	Jun 2018 ZAGB	Future	4,395	19.3353	19.3694	19.3790	19.3790	2	38,758.00		
	Sep 2018 ZAGB	Future	3,565	19.6767	19.7073	0.0000	0.0000	0	0.00		
			225,618					934.00	17,549,364.80	9 240 053.00	153 874 617 300.80
Option											
	Dec 2017 ZAGB	18.20 Call	400	722.7685	739.9288	0.0000	0.0000	0	0.00		
	Dec 2017 ZAGB	19.80 Call	800	128.6599	128.0887	0.0000	0.0000	0	0.00		
	Mar 2018 ZAGB	17.00 Put	500	145.9964	139.8217	0.0000	0.0000	0	0.00		
	Mar 2018 ZAGB	20.14 Call	500	411.8202	414.7411	0.0000	0.0000	0	0.00		
			2,200					0.00	0.00	1 770 013.00	0.00
		Total	227,818					934.00	17,549,364.80	11 010 066.00	153 874 617 300.80
Future											
	Dec 2017 ZAJY	Future	225	0.1254	0.1257	0.0000	0.0000	0	0.00		
			225					0.00	0.00	952 950.00	10 619 017 477.80
		Total	225					0.00	0.00	952 950.00	10 619 017 477.80
Future											
	Jun 2018 ZAKS	Future	1,145	0.1347	0.1339	0.0000	0.0000	0	0.00		
	Sep 2018 ZAKS	Future	562	0.1342	0.1339	0.0000	0.0000	0	0.00		
			1,707					0.00	0.00	31 923.00	432 652 210.00
		Total	1,707					0.00	0.00	31 923.00	432 652 210.00
Future											
	Dec 2017 ZATR	Future	4,775	3.5293	3.5678	0.0000	0.0000	0	0.00		
	Mar 2018 ZATR	Future	433	3.4749	3.5158	0.0000	0.0000	866	3,020,175.00		
			5,208					866.00	3,020,175.00	233 314.00	843 471 050.50
		Total	5,208					866.00	3,020,175.00	233 314.00	843 471 050.50
Future											
	Dec 2017 ZAUM	Future	768	14.0648	14.1022	14.1371	14.1371	20	28,308,550.00		
	Mar 2018 ZAUM	Future	28	14.2805	14.3125	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUM	Future	14	14.4843	14.5192	0.0000	0.0000	0	0.00		
			810					20.00	28,308,550.00	144 471.00	165 840 565 920.00
		Total	810					20.00	28,308,550.00	148 994.00	165 840 565 920.00

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Future										
Dec 2017	ZAUS	Future	1,064,415	14.0648	14.1022	14.2100	14.0652	63,904	903,820,763.70	
Mar 2018	ZAUS	Future	183,314	14.2805	14.3125	14.4013	14.3241	434	6,236,718.90	
Jun 2018	ZAUS	Future	112,846	14.4843	14.5192	14.5656	14.5656	600	8,750,760.00	
Sep 2018	ZAUS	Future	3,287	14.6928	14.7261	0.0000	0.0000	0	0.00	
			<u>1,363,862</u>					<u>64,938.00</u>	<u>918,808,242.60</u>	<u>158 712 706.00</u> <u>1 860 782 301 372.90</u>
Option										
Dec 2017	ZAUS	11.75 Put	1,000	2.9365	2.5740	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.00 Put	20,141	4.0854	3.5855	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.16 Put	550	5.0896	4.4701	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.20 Put	4,000	5.3834	4.7290	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.21 Put	18,000	5.4600	4.7964	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.40 Put	114,600	7.1832	6.3155	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.50 Put	16,416	8.3421	7.3375	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.56 Put	7,100	9.1424	8.0437	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.65 Put	1,819	10.5184	9.2581	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.75 Put	10,000	15.1088	12.1045	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.76 Put	550	15.6490	12.5597	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.00 Put	10,000	34.1515	28.5099	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.10 Put	41,000	45.7286	38.7278	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.12 Put	0	48.3716	41.0791	0.0000	0.0000	80,000	0.00	
Dec 2017	ZAUS	13.15 Put	2,600	52.5553	44.8129	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.18 Put	16,000	57.0111	48.8054	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.20 Call	7,000	924.9387	953.8155	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.20 Put	6,728	60.1387	51.6155	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.21 Put	5,000	61.7501	53.0658	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.22 Put	7,100	63.3940	54.5481	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.25 Call	16,141	883.3241	911.3831	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.35 Put	52,000	87.8845	76.8073	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.40 Put	114,600	98.8944	86.9570	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.50 Call	11,016	688.6545	712.0988	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.60 Call	4,000	617.7633	639.0986	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.76 Call	3,750	513.5080	531.3748	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.76 Put	3,000	208.7080	189.1748	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.80 Put	550	224.4693	204.0687	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.93 Call	7,100	415.6389	429.8631	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	14.00 Call	19,000	379.2622	392.0399	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	14.00 Put	34,000	314.4622	289.8399	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	14.10 Call	100	332.1935	342.0331	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	14.27 Put	40,000	469.2718	438.9855	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	14.40 Call	2,000	220.0927	225.4628	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	14.50 Call	8,000	190.6296	194.8530	0.0000	0.0000	0	0.00	

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Dec 2017	ZAUS	14.50 Put	2,055	625.8296	592.6530	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.63 Call	10,000	157.4704	160.4482	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.90 Call	1,500	104.2504	105.4845	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	4,580	89.0516	89.8230	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	74.7089	75.0810	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.12 Call	0	73.5182	73.8580	0.0000	0.0000	40,000	0.00
Dec 2017	ZAUS	15.50 Call	25,457	39.6264	39.1082	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.60 Call	10,000	33.8210	33.2699	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	16.00 Call	117,200	17.9754	17.4599	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.13 Call	18,000	4.3920	3.9744	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	4.2400	3.8499	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	3.5664	3.3216	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	225,000	29.2179	26.2293	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.36 Put	20,880	49.1323	44.4785	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	51.9622	47.0855	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.50 Put	26,000	59.6798	54.2086	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.57 Put	3,000	65.6672	59.7500	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.94 Put	5,000	110.0794	101.2980	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	94,964	120.9188	111.5663	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.22 Put	15,000	167.4798	155.9258	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	2,478	174.7079	162.8398	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	208.6065	195.3676	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	7,500	214.2015	200.7498	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Call	15,000	1024.2509	1041.7269	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Put	17,750	243.7509	229.2269	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.60 Put	3,000	276.9714	260.3858	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.74 Put	20,880	329.7057	311.6175	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.76 Call	4,000	858.2070	871.9083	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.91 Put	7,000	401.4438	381.6127	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.05 Put	500	466.8384	445.6604	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.07 Call	100	687.1419	0.0000	0.0000	0.0000	200	0.00
Mar 2018	ZAUS	14.16 Put	750	522.1632	499.9865	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.18 Put	41,000	532.5904	510.2376	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Put	65,000	543.1295	520.6026	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.44 Call	10,000	521.5952	528.4075	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.45 Call	17,000	517.7070	524.4501	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.49 Put	80,000	711.9165	686.3855	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Call	240	498.6589	505.0584	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Put	400	718.1589	692.5584	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.52 Put	1,000	730.7127	704.9813	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.57 Call	100	473.0413	0.0000	0.0000	0.0000	200	0.00
Mar 2018	ZAUS	14.68 Call	1,000	435.1816	440.4703	0.0000	0.0000	0	0.00

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Mar 2018	ZAUS	14.68 Put	1,000	834.6816	807.9703	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.75 Call	20,880	412.5571	417.4628	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.79 Call	100	400.1233	404.8200	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.79 Put	100	909.6233	882.3200	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.86 Call	15,000	379.1995	383.5487	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.90 Call	5,000	367.7094	371.8711	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	8,395	364.8870	369.0038	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.95 Call	3,000	353.8072	357.7457	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.00 Call	6,126	340.6596	344.1315	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	313.3982	316.4259	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.26 Call	2,500	279.6859	282.1923	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	240.3537	242.2942	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	65,000	233.1916	235.0338	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.57 Call	6,000	221.1836	222.8649	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.69 Call	750	202.0682	203.5068	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.00 Call	3,276	158.2765	159.5013	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.16 Call	225,000	139.5382	140.5284	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	750	12.6371	12.0739	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	66	18.3924	17.6134	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	137,000	43.1222	39.5402	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	104,895	64.4526	59.5838	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	12,603	80.7516	74.9913	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	131.0196	122.8536	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	170.6463	160.8480	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	15,158	179.0856	168.9592	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	190.4530	179.5108	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	219.7850	207.8131	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.22 Put	15,000	232.8760	220.4706	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	2,050	254.9112	241.8008	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	303.0917	288.5604	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	309.5045	294.7954	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	364.0133	347.8788	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	104,895	404.8129	387.7052	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	425.5178	406.7261	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	429.7323	0.0000	0.0000	0.0000	40,000	0.00
Jun 2018	ZAUS	13.83 Put	300	438.2369	419.1761	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	442.5231	423.3770	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	468.7486	449.0764	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	6,130	514.3556	493.8209	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	562.3002	540.9395	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	638.5250	615.9783	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	678.5213	687.5412	0.0000	0.0000	0	0.00

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Jun 2018	ZAUS	14.81 Call	500	642.2029	650.6866	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.11 Call	760	544.2098	551.2812	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.14 Call	2,700	535.2645	542.2090	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.43 Call	15,000	457.8615	463.0228	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.53 Call	965	434.0193	438.8362	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.79 Call	40,000	378.0892	0.0000	0.0000	0.0000	80,000	0.00		
Jun 2018	ZAUS	16.16 Call	5,183	308.9178	312.4944	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.38 Call	750	273.6435	276.6417	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.41 Call	300	269.1733	272.1010	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.49 Call	7,420	257.6345	260.3753	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.52 Call	66	253.4430	256.1188	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.65 Call	500	236.1160	238.5197	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.92 Call	104,895	204.0926	206.0082	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.00 Call	3,500	195.5395	197.3290	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.21 Call	500	174.9167	176.4082	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.28 Call	5,630	168.5902	169.9900	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.38 Call	7,028	160.3445	161.2723	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.00 Put	750	18.1227	17.8940	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.61 Put	5,300	127.0976	119.1411	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.65 Put	1,550	135.0383	126.8128	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.85 Put	750	179.6969	170.1203	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.65 Call	1,464	1467.8217	1488.4111	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.73 Put	2,500	454.7017	441.4131	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	15.97 Call	5,300	534.7907	540.2630	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.04 Call	1,550	519.3287	524.5602	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.14 Call	750	498.1131	503.0255	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	17.02 Call	2,500	341.8258	344.8865	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	771.7567	777.9557	0.0000	0.0000	0	0.00		
			<u>2,646,794</u>					<u>240,400.00</u>	<u>0.00</u>	<u>40 352 956.00</u>	<u>0.00</u>
	Total		4,010,656					305,338.00	918,808,242.60	199 065 662.00	1 860 782 301 372.90
	Grand Total		6,621,811					315,897.00	1 069 630 785.40	266,532,839	2,549,635,994,222.10