



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 06-December-2016

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Dec 2016	CAGZ	Future	20,000	631.0796	497.0164	0.0000	0.0000	0	0.00		
			<u>20,000</u>					<u>0.00</u>	<u>0.00</u>	<u>20,000.00</u>	<u>7,214,600.00</u>
		Total	20,000					0.00	0.00	20,000.00	7,214,600.00
Future											
Jan 2017	DAEU	Future	349	14.8017	14.9930	0.0000	0.0000	0	0.00		
Jan 2017	DAEU	Future	67	14.8087	14.8134	0.0000	0.0000	67	992,497.80		
Jan 2017	DAEU	Future	12	14.8299	15.0220	0.0000	0.0000	0	0.00		
Feb 2017	DAEU	Future	2,000	14.9155	15.1086	0.0000	0.0000	0	0.00		
Feb 2017	DAEU	Future	26	14.9299	15.1230	0.0000	0.0000	0	0.00		
Mar 2017	DAEU	Future	7	15.0427	15.2381	0.0000	0.0000	0	0.00		
			<u>2,461</u>					<u>67.00</u>	<u>992,497.80</u>	<u>108,457.00</u>	<u>1,385,249,059.10</u>
		Total	2,461					67.00	992,497.80	398,057.00	1,385,249,059.10
Future											
Dec 2016	DAGB	Future	14	17.3697	17.5868	0.0000	0.0000	0	0.00		
Jan 2017	DAGB	Future	30	17.5592	17.7804	0.0000	0.0000	0	0.00		
Feb 2017	DAGB	Future	34	17.6648	17.8867	0.0000	0.0000	0	0.00		
Mar 2017	DAGB	Future	89	17.7839	18.0083	0.0000	0.0000	0	0.00		
Apr 2017	DAGB	Future	73	17.8793	18.1057	0.0000	0.0000	0	0.00		
			<u>240</u>					<u>0.00</u>	<u>0.00</u>	<u>51,141.00</u>	<u>837,617,418.80</u>
		Total	240					0.00	0.00	242,254.00	837,617,418.80
Future											
Dec 2016	DAUS	Future	0	13.6285	13.8065	0.0000	0.0000	15,000	204,427,500.00		
Dec 2016	DAUS	Future	353	13.6408	13.8192	0.0000	0.0000	0	0.00		
Dec 2016	DAUS	Future	251	13.6433	13.8218	0.0000	0.0000	0	0.00		
Dec 2016	DAUS	Future	1,777	13.6458	13.8246	0.0000	0.0000	0	0.00		
Dec 2016	DAUS	Future	720	13.6626	13.8415	0.0000	0.0000	0	0.00		
Dec 2016	DAUS	Future	2,649	13.6823	13.8613	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>		
Jan 2017	DAUS	Future	2,000	13.7019	13.8811	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	Future	50	13.7212	13.9007	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	Future	2,600	13.7372	13.9171	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	Future	184	13.7452	13.9253	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	Future	70	13.7532	13.9335	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	Future	2,339	13.7744	13.9553	0.0000	0.0000	0	0.00		
Feb 2017	DAUS	Future	5,745	13.8468	14.0283	0.0000	0.0000	0	0.00		
Feb 2017	DAUS	Future	365	13.8495	14.0310	0.0000	0.0000	0	0.00		
Mar 2017	DAUS	Future	1,561	13.9321	14.1151	0.0000	0.0000	0	0.00		
Apr 2017	DAUS	Future	40	13.9613	14.1450	0.0000	0.0000	0	0.00		
Apr 2017	DAUS	Future	70	13.9879	14.1722	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	Future	70	14.2305	14.4196	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	Future	334	14.4826	14.5506	0.0000	0.0000	0	0.00		
			<u>21,178</u>					<u>15,000.00</u>	<u>204,427,500.00</u>	<u>4,603,166.00</u>	<u>51,879,903,259.50</u>

Option

Dec 2016	DAUS	14.11 Put	30,000	495.4288	350.2572	0.0000	0.0000	0	0.00
Dec 2016	DAUS	14.15 Call	70	14.1789	42.9054	0.0000	0.0000	0	0.00
Dec 2016	DAUS	14.15 Put	70	533.2789	383.8054	0.0000	0.0000	0	0.00
Dec 2016	DAUS	14.75 Put	5,000	1114.7141	939.6738	0.0000	0.0000	0	0.00
Dec 2016	DAUS	13.50 Put	20,000	146.7366	99.0867	0.0000	0.0000	0	0.00
Dec 2016	DAUS	14.30 Call	20,000	52.6977	94.8430	0.0000	0.0000	0	0.00
Dec 2016	DAUS	15.00 Call	20,000	10.9596	18.6242	0.0000	0.0000	0	0.00
Jan 2017	DAUS	13.95 Put	2,000	471.9167	378.4245	0.0000	0.0000	0	0.00
Jan 2017	DAUS	16.17 Call	2,000	8.3230	13.1645	0.0000	0.0000	0	0.00
Jan 2017	DAUS	14.28 Call	5,000	178.5691	242.5856	0.0000	0.0000	0	0.00
Jan 2017	DAUS	14.10 Put	1,000	602.6384	500.0052	0.0000	0.0000	0	0.00
Jan 2017	DAUS	15.89 Call	1,000	25.4299	41.6164	0.0000	0.0000	0	0.00
Jan 2017	DAUS	13.80 Put	1,000	417.6990	339.2325	0.0000	0.0000	0	0.00
Jan 2017	DAUS	14.41 Call	1,000	189.5796	249.5019	0.0000	0.0000	0	0.00
Jan 2017	DAUS	14.15 Put	210	649.5168	544.6676	0.0000	0.0000	0	0.00
Jan 2017	DAUS	15.07 Call	210	97.0098	130.7752	0.0000	0.0000	0	0.00
Feb 2017	DAUS	14.32 Put	1,500	799.5368	688.1836	0.0000	0.0000	0	0.00
Feb 2017	DAUS	15.03 Call	1,500	152.4670	193.3703	0.0000	0.0000	0	0.00
Apr 2017	DAUS	13.95 Put	1,000	632.2483	548.9350	0.0000	0.0000	0	0.00
Apr 2017	DAUS	17.02 Call	1,000	86.1219	104.1804	0.0000	0.0000	0	0.00
Apr 2017	DAUS	13.80 Put	1,000	565.3979	488.9686	0.0000	0.0000	0	0.00
Apr 2017	DAUS	14.10 Put	1,000	733.3799	644.2013	0.0000	0.0000	0	0.00
Apr 2017	DAUS	15.06 Call	1,000	344.2850	403.9827	0.0000	0.0000	0	0.00
Apr 2017	DAUS	16.67 Call	1,000	125.1859	152.8949	0.0000	0.0000	0	0.00
Jul 2017	DAUS	13.95 Put	1,000	713.1193	636.4626	0.0000	0.0000	0	0.00
Jul 2017	DAUS	17.98 Call	1,000	166.9219	192.1639	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
			119,560					0.00	0.00	10,306,147.00	0.00	
		Total	140,738					15,000.00	204,427,500.00	14,909,313.00	51,879,903,259.50	
Future												
	Dec 2016	EUUS	Future	52	1.0739	1.0737	1.0771	1.0738	150	1,612,800.00		
	Mar 2017	EUUS	Future	40	1.0787	1.0785	0.0000	0.0000	0	0.00		
	Jun 2017	EUUS	Future	25,352	1.0840	1.0839	0.0000	0.0000	6,570	71,632,710.00		
				25,444					6,720.00	73,245,510.00	391,604.00	4,408,906,140.00
		Total	25,444					6,720.00	73,245,510.00	391,604.00	4,408,906,140.00	
Future												
	Dec 2016	GBUS	Future	2	1.2730	1.2722	0.0000	0.0000	1,409	17,978,158.00		
	Jun 2017	GBUS	Future	8,095	1.2788	1.2782	0.0000	0.0000	0	0.00		
				8,097					1,409.00	17,978,158.00	12,531.00	157,699,877.00
		Total	8,097					1,409.00	17,978,158.00	12,531.00	157,699,877.00	
Future												
	Dec 2016	ZAAD	Future	11,286	10.1783	10.3084	10.2060	10.1498	51	519,051.50		
	Mar 2017	ZAAD	Future	9,495	10.3273	10.4595	0.0000	0.0000	0	0.00		
	Jun 2017	ZAAD	Future	100	10.4989	10.6352	0.0000	0.0000	0	0.00		
				20,881					51.00	519,051.50	3,014,474.00	25,204,535,389.10
		Total	20,881					51.00	519,051.50	3,046,851.00	25,204,535,389.10	
Future												
	Dec 2016	ZACA	Future	12	10.2733	10.4273	0.0000	0.0000	0	0.00		
	Mar 2017	ZACA	Future	160	10.4551	10.6119	0.0000	0.0000	0	0.00		
				172					0.00	0.00	73,738.00	694,437,653.50
		Total	172					0.00	0.00	73,738.00	694,437,653.50	
Future												
	Dec 2016	ZACR	Future	10	1.9824	2.0078	0.0000	0.0000	0	0.00		
				10					0.00	0.00	109,754.00	2,502,692,756.00
		Total	10					0.00	0.00	109,754.00	2,502,692,756.00	
Future												
	Dec 2016	ZAEU	Future	51,179	14.6663	14.8550	14.8396	14.6705	67	989,018.00		
	Mar 2017	ZAEU	Future	29,385	14.9768	15.1707	15.0300	14.9757	127	1,909,143.00		
	Jun 2017	ZAEU	Future	77,742	15.3327	15.5346	0.0000	0.0000	0	0.00		
	Sep 2017	ZAEU	Future	19	15.6714	15.8468	0.0000	0.0000	0	0.00		
				158,325					194.00	2,898,161.00	9,748,234.00	134,778,293,175.70
Option												

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Dec 2016	ZAEU	16.50 Call	450	3.2874	5.6904	0.0000	0.0000	0	0.00	
Dec 2016	ZAEU	16.90 Put	2,961	2235.4220	2047.7682	0.0000	0.0000	0	0.00	
Dec 2016	ZAEU	21.90 Call	2,961	0.0001	0.0006	0.0000	0.0000	0	0.00	
Mar 2017	ZAEU	14.30 Put	1,000	256.6449	216.0223	0.0000	0.0000	0	0.00	
Mar 2017	ZAEU	14.80 Call	500	640.4897	768.4827	0.0000	0.0000	0	0.00	
Mar 2017	ZAEU	16.00 Call	680	240.0482	305.1857	0.0000	0.0000	0	0.00	
Mar 2017	ZAEU	17.17 Call	1,000	88.5916	120.1505	0.0000	0.0000	0	0.00	
			9,552					0.00	0.00	
		Total	167,877					194.00	2,898,161.00	
									14,537,235.00	
									134,778,293,175.70	
Future										
Dec 2016	ZAFR	Future	1,718	13.5323	13.7295	0.0000	0.0000	0	0.00	
Mar 2017	ZAFR	Future	121	13.8363	14.0394	0.0000	0.0000	121	1,681,851.60	
			1,839					121.00	1,681,851.60	
		Total	1,839					121.00	1,681,851.60	
									565,100.00	
									5,904,118,294.80	
Future										
Dec 2016	ZAGB	Future	33,263	17.3852	17.6024	17.5922	17.3800	52	907,921.20	
Mar 2017	ZAGB	Future	22,570	17.7142	17.9370	17.8363	17.7300	80	1,420,557.10	
Jun 2017	ZAGB	Future	32,002	18.0887	18.3194	18.1000	18.1000	2	36,200.00	
Sep 2017	ZAGB	Future	17	18.4432	18.6409	0.0000	0.0000	0	0.00	
Dec 2017	ZAGB	Future	5,698	18.8019	18.7358	0.0000	0.0000	0	0.00	
			93,550					134.00	2,364,678.30	
									7,045,481.00	
									116,043,930,974.00	
Option										
Dec 2016	ZAGB	15.89 Put	525	9.2438	7.5826	0.0000	0.0000	0	0.00	
Dec 2016	ZAGB	16.76 Call	525	691.5061	881.2749	0.0000	0.0000	0	0.00	
Dec 2016	ZAGB	16.76 Put	1,050	66.3061	38.8749	0.0000	0.0000	0	0.00	
Dec 2016	ZAGB	17.13 Put	4,885	172.8990	112.6644	0.0000	0.0000	0	0.00	
Dec 2016	ZAGB	17.30 Call	656	331.7893	470.1130	0.0000	0.0000	0	0.00	
Dec 2016	ZAGB	17.30 Put	525	246.5893	167.7130	0.0000	0.0000	0	0.00	
Dec 2016	ZAGB	18.00 Call	1,000	102.0350	162.4656	0.0000	0.0000	0	0.00	
Dec 2016	ZAGB	18.00 Put	1,000	716.8350	560.0656	0.0000	0.0000	0	0.00	
Dec 2016	ZAGB	19.39 Call	525	6.1998	9.6710	0.0000	0.0000	0	0.00	
Dec 2016	ZAGB	21.41 Put	4,885	4025.6725	3808.7915	0.0000	0.0000	0	0.00	
Dec 2016	ZAGB	24.46 Call	4,885	0.0304	0.1047	0.0000	0.0000	0	0.00	
			20,461					0.00	0.00	
		Total	114,011					134.00	2,364,678.30	
									8,797,094.00	
									116,043,930,974.00	
Future										
Dec 2016	ZAHK	Future	16,430	1.7610	1.7842	0.0000	0.0000	0	0.00	
Mar 2017	ZAHK	Future	3,500	1.7913	1.8147	0.0000	0.0000	0	0.00	

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			19,930					0.00	0.00	56,677.00	1,060,468,026.00
		Total	19,930					0.00	0.00	56,677.00	1,060,468,026.00
Future											
	Dec 2016	ZAJY	Future	11,155	0.1199	0.1210	0.0000	0	0.00		
	Mar 2017	ZAJY	Future	109	0.1224	0.1235	0.0000	109	1,338,672.60		
				11,264				109.00	1,338,672.60	888,401.00	9,851,933,971.90
		Total	11,264					109.00	1,338,672.60	888,401.00	9,851,933,971.90
Future											
	Dec 2016	ZAKS	Future	1,382	0.1338	0.1355	0.0000	0	0.00		
				1,382				0.00	0.00	24,363.00	336,346,550.00
		Total	1,382					0.00	0.00	24,363.00	336,346,550.00
Future											
	Mar 2017	ZANZ	Future	58	9.8592	9.9515	0.0000	58	573,330.00		
				58				58.00	573,330.00	144,158.00	1,103,292,270.00
		Total	58					58.00	573,330.00	164,158.00	1,103,292,270.00
Future											
	Dec 2016	ZASD	Future	153	9.6258	9.7290	0.0000	0	0.00		
	Mar 2017	ZASD	Future	36	9.7876	9.8921	0.0000	0	0.00		
				189				0.00	0.00	8,583.00	87,643,864.10
		Total	189					0.00	0.00	8,583.00	87,643,864.10
Future											
	Dec 2016	ZATR	Future	83	3.9419	3.9064	0.0000	0	0.00		
				83				0.00	0.00	194.00	936,367.90
		Total	83					0.00	0.00	194.00	936,367.90
Future											
	Dec 2016	ZAUM	Future	446	13.6570	13.8359	0.0000	0	0.00		
	Mar 2017	ZAUM	Future	491	13.8842	14.0662	0.0000	400	557,130,000.00		
	Jun 2017	ZAUM	Future	54	14.1448	14.3326	0.0000	0	0.00		
				991				400.00	557,130,000.00	134,193.00	152,031,299,920.00
		Total	991					400.00	557,130,000.00	138,716.00	152,031,299,920.00
Future											
	Dec 2016	ZAUS	Future	382,973	13.6570	13.8359	13.7780	48,555	665,399,713.70		
	Mar 2017	ZAUS	Future	252,374	13.8842	14.0662	14.0100	12,004	167,054,013.90		
	Jun 2017	ZAUS	Future	180,978	14.1448	14.3326	14.2000	165	2,335,432.50		

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Sep 2017	ZAUS	Future	4,450	14.3885	14.5502	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	Future	14,956	14.6336	14.5889	0.0000	0.0000	0	0.00		
Mar 2018	ZAUS	Future	70	14.8823	14.9025	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	Future	70	15.1309	15.2160	0.0000	0.0000	0	0.00		
			<u>835,871</u>					<u>60,724.00</u>	<u>834,789,160.10</u>	<u>126,476,149.00</u>	<u>1,426,972,323,538.10</u>

Option

Dec 2016	ZAUS	11.80 Put	250	0.9933	0.7070	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	12.59 Put	2,800	8.2700	7.2539	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	12.75 Put	25,850	11.1876	9.5344	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.00 Put	166,585	21.5697	15.2891	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.22 Put	725	54.4014	29.1522	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.34 Call	2,800	400.5764	544.6557	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.34 Put	7,800	83.5764	48.7557	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.35 Put	4,500	86.4315	50.7408	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.40 Put	3,000	101.7488	61.5552	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.48 Put	9,347	129.9988	82.1127	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.50 Put	36,016	137.8035	87.9097	0.0000	0.0000	1,370	0.00
Dec 2016	ZAUS	13.70 Call	500	190.8831	297.2313	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.70 Put	2,000	233.8831	161.3313	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.75 Put	12,000	263.5713	184.1926	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.77 Put	19,800	275.9469	193.8441	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.85 Put	20,000	328.1684	235.3052	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.90 Put	250	362.8961	263.8473	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.00 Call	23,025	93.7180	161.8066	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.00 Put	88,710	436.7180	325.9066	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.05 Call	300	82.6072	145.1788	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.08 Call	5,000	76.5146	135.9057	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.09 Call	1,200	74.5742	132.9275	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.10 Put	2,800	515.6780	394.1049	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.12 Put	800	532.0154	408.4244	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.14 Put	10,000	548.5190	422.9576	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.15 Put	150	556.8322	430.3021	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.18 Call	4,200	59.0041	108.5417	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.20 Call	500	55.9721	103.6815	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.20 Put	2,000	598.9721	467.7815	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.25 Call	2,000	49.0074	92.3573	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.25 Put	2,000	642.0074	506.4573	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.30 Put	3,800	685.8498	546.2409	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.34 Call	1,400	38.4507	74.7094	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.40 Call	26,120	33.4529	64.6954	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.45 Put	20,000	822.9464	671.4039	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.50 Call	1,200	26.8414	50.6965	0.0000	0.0000	0	0.00

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Dec 2016	ZAUS	14.50 Put	32,849	869.8414	714.7965	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.51 Put	1,000	879.2645	723.5633	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.60 Call	20,000	21.6509	39.9667	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.63 Put	5,700	993.3213	831.4177	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.66 Put	20,000	1022.0834	858.9456	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.69 Call	7,150	17.9304	32.5391	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.70 Put	2,000	1060.5641	895.9053	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.80 Put	56,000	1157.3343	989.4324	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.82 Call	8,756	13.7737	24.2089	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.86 Call	800	12.7271	22.1136	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.00 Call	88,249	9.7285	16.1483	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.00 Put	29,368	1352.7285	1180.2483	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.10 Call	1,500	7.9611	12.9365	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.20 Put	6,985	1549.5496	1374.4926	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.21 Put	3,500	1559.4249	1384.2691	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.40 Call	26,053	4.5063	7.0107	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.40 Put	31,590	1747.5063	1571.1107	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.48 Call	3,000	3.9042	6.0505	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.50 Put	69,895	1846.7688	1669.9349	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.57 Put	1,400	1916.3366	1739.2475	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.68 Put	63,513	2025.7703	1848.3495	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.80 Put	10,000	2145.2786	1967.5732	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.85 Call	2,000	2.1053	3.2004	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.00 Call	52,443	1.6736	2.5237	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.00 Put	32,950	2344.6736	2166.6237	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.11 Call	7,150	1.4250	2.1361	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.31 Call	11,000	1.0805	1.6023	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.53 Put	725	2873.8858	2695.2945	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.55 Call	500	0.8756	1.1644	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.69 Put	3,300	3033.8109	2855.1415	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.77 Call	16,000	0.7789	1.0008	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.91 Call	20,000	0.7303	0.9393	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.96 Call	5,000	0.7149	0.9199	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	17.00 Call	51,333	0.7032	0.9052	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	17.39 Call	2,800	0.6155	0.7959	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	17.50 Call	63,513	0.5975	0.7738	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	17.66 Call	15,100	0.5755	0.7470	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	17.69 Call	1,000	0.5718	0.7426	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	18.00 Call	1,500	0.3222	0.7059	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	18.06 Call	1,400	0.2809	0.6216	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	18.10 Call	23,489	0.2562	0.5708	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	18.12 Call	4,000	0.2447	0.5470	0.0000	0.0000	0	0.00

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Dec 2016	ZAUS	18.89 Call	17,000	0.0389	0.0991	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	18.98 Call	10,000	0.0311	0.0806	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	19.00 Call	2,310	0.0296	0.0769	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	19.15 Call	26,053	0.0203	0.0542	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	19.25 Call	10,303	0.0158	0.0429	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	19.75 Call	150	0.0043	0.0129	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	19.81 Call	250	0.0037	0.0111	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	19.95 Call	725	0.0026	0.0079	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	20.08 Call	750	0.0018	0.0057	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	20.16 Call	3,300	0.0015	0.0047	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	20.30 Call	10,000	0.0010	0.0033	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	20.36 Call	368	0.0008	0.0028	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	20.90 Call	32,200	0.0002	0.0007	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	21.24 Call	5,700	0.0001	0.0003	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	21.30 Call	69,895	0.0001	0.0002	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	12.20 Put	250	54.0363	42.8495	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	12.50 Put	1,500	82.8843	66.6573	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	13.00 Put	102,452	185.2208	147.3429	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	13.25 Put	100	261.8884	212.1156	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	13.50 Put	2,000	361.9108	297.6600	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	13.70 Call	1,603	640.1537	747.8394	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.00 Put	11,320	621.0989	530.4219	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.10 Put	46,000	682.8542	586.5950	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.30 Call	200	398.3916	474.8499	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.30 Put	30,000	814.1916	708.6499	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.40 Call	7,300	367.7112	439.7830	0.0000	0.0000	7,300	0.00
Mar 2017	ZAUS	14.40 Put	45,132	883.5112	773.5830	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.44 Call	100	356.0770	426.4478	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.44 Put	100	911.8770	800.2478	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.50 Call	750	339.2837	407.1572	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.65 Put	100	1066.5599	946.3079	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	15.00 Call	500	227.6931	277.0850	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	15.10 Call	7,300	210.3747	0.0000	0.0000	0.0000	14,600	0.00
Mar 2017	ZAUS	15.23 Put	90	1535.6955	1396.4590	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	15.36 Put	7,160	1646.9312	1504.7248	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	15.48 Call	30,000	155.1417	192.5709	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	15.70 Put	6,370	1945.5053	1795.9813	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	15.74 Put	3,200	1981.3690	1831.0151	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	15.80 Call	180	119.6201	150.0615	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	16.00 Call	11,320	101.8460	128.5957	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	16.22 Call	45,132	85.4921	108.7079	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	16.50 Call	1,000	68.6527	88.0658	0.0000	0.0000	0	0.00

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Mar 2017	ZAUS	16.75 Put	1,800	2922.4216	2757.0303	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	17.00 Call	18,186	46.7813	62.1416	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	17.31 Call	46,000	37.1221	51.8293	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	18.43 Call	90	14.7040	26.8107	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	18.44 Call	7,160	14.5475	26.5575	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	19.00 Call	6,370	7.8988	15.4573	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	19.38 Call	3,200	5.1555	10.5922	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	21.42 Call	1,800	0.4509	1.2250	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.83 Put	2,280	632.2487	558.4572	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.87 Put	30,000	653.1366	577.9069	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.11 Put	2,850	785.5969	701.9095	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.18 Put	1,400	826.5217	740.3715	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.23 Put	2,000	856.3990	768.4602	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.33 Put	3,000	917.6142	826.1422	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.50 Call	1,000	670.7775	761.2541	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.89 Put	1,297	1293.6160	1183.5379	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.40 Call	5,000	424.8166	487.7365	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.50 Put	150	1759.5771	1632.2173	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.78 Call	2,280	350.5988	406.5242	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.78 Put	3,155	1985.7988	1853.9242	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.85 Call	3,000	338.2833	392.7040	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.86 Call	30,000	336.5599	390.7719	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.00 Call	2,000	313.4332	364.7644	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.10 Call	1,400	297.9735	347.3463	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.26 Call	2,850	274.9516	321.3417	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.73 Call	2,000	218.0175	256.6910	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	18.15 Call	1,297	127.6425	151.1012	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	18.65 Call	150	101.7610	128.8952	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	19.71 Call	3,155	52.9192	69.4084	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	12.75 Put	2,000	275.3774	244.1084	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.00 Put	10,000	355.6580	319.1421	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.40 Put	500	498.0032	454.7831	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.75 Put	2,000	648.2429	594.5344	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.76 Put	960	653.1209	598.8556	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.22 Put	110	897.5236	830.3264	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.32 Put	110	955.6047	885.9414	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.47 Put	150	1045.5069	972.5494	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.40 Call	960	451.7889	502.2035	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.80 Call	110	388.7413	433.7947	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	17.00 Call	650	361.1615	403.7803	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	17.03 Call	110	357.2314	399.4976	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	18.00 Call	10,000	266.0046	297.0664	0.0000	0.0000	0	0.00

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Dec 2017	ZAUS	13.35 Put	52,000	526.4294	546.7970	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.00 Put	33,000	814.5932	836.3280	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.09 Put	16,000	861.7896	884.3551	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.15 Put	16,000	893.9794	917.0930	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.18 Put	16,000	910.2881	933.6715	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.50 Put	2,055	1092.8303	1119.0504	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.53 Put	22,000	1110.7240	1137.2062	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	16.55 Call	52,000	631.8413	621.1087	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	16.82 Call	22,000	581.9195	572.9275	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	17.13 Call	16,000	530.5381	523.3755	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	17.17 Call	16,000	524.3342	517.3959	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	17.20 Call	16,000	519.7421	512.9652	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	17.24 Call	33,000	513.6991	507.1417	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	18.06 Call	2,055	416.2236	416.3327	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.64 Put	70,530	748.7346	725.8829	0.0000	0.0000	0	0.00		
			<u>2,461,272</u>					<u>23,270.00</u>	<u>0.00</u>	<u>30,913,152.00</u>	<u>0.00</u>
	Total		3,297,143					83,994.00	834,789,160.10	157,389,301.00	1,426,972,323,538.10

Grand Total	3,832,810					108,257.00	1,697,938,570.90	209,552,548	1,971,038,978,966.40
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