



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 23-November-2016

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Dec 2016	CAGZ	Future	20,000	298.9006	362.2581	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											
Nov 2016	DAEU	Future	34	15.0241	15.0156	0.0000	0.0000	0	0.00		
Nov 2016	DAEU	Future	500	15.0324	15.0190	0.0000	0.0000	0	0.00		
Jan 2017	DAEU	Future	12	15.0828	15.0749	0.0000	0.0000	0	0.00		
Feb 2017	DAEU	Future	2,000	15.3606	15.3506	0.0000	0.0000	0	0.00		
			<u>2,546</u>					<u>0.00</u>	<u>0.00</u>	<u>107,125.00</u>	<u>1,365,572,680.80</u>
		Total	2,546					0.00	0.00	396,725.00	1,365,572,680.80
Future											
Dec 2016	DAGB	Future	35	17.6615	17.5889	0.0000	0.0000	0	0.00		
Dec 2016	DAGB	Future	14	17.7088	17.6352	0.0000	0.0000	0	0.00		
Jan 2017	DAGB	Future	12	17.8944	17.8316	0.0000	0.0000	0	0.00		
Apr 2017	DAGB	Future	73	18.2289	18.1562	0.0000	0.0000	0	0.00		
			<u>134</u>					<u>0.00</u>	<u>0.00</u>	<u>50,945.00</u>	<u>834,115,587.30</u>
		Total	134					0.00	0.00	242,058.00	834,115,587.30
Future											
Nov 2016	DAUS	Future	6,290	14.2380	14.1355	0.0000	0.0000	0	0.00		
Nov 2016	DAUS	Future	78	14.2412	14.1411	0.0000	0.0000	0	0.00		
Dec 2016	DAUS	Future	275	14.2742	14.1765	0.0000	0.0000	0	0.00		
Dec 2016	DAUS	Future	251	14.2773	14.1792	0.0000	0.0000	0	0.00		
Dec 2016	DAUS	Future	1,777	14.2805	14.1820	0.0000	0.0000	0	0.00		
Dec 2016	DAUS	Future	720	14.2993	14.1983	0.0000	0.0000	0	0.00		
Dec 2016	DAUS	Future	790	14.3238	14.2203	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	Future	2,000	14.3391	14.2382	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	Future	50	14.3569	14.2591	0.0000	0.0000	0	0.00		

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Jan 2017	DAUS	Future	2,600	14.3721	14.2770	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	Future	169	14.3798	14.2860	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	Future	70	14.3874	14.2949	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	Future	3,189	14.4084	14.3175	0.0000	0.0000	0	0.00		
Feb 2017	DAUS	Future	2,105	14.4944	14.3920	0.0000	0.0000	0	0.00		
Mar 2017	DAUS	Future	1,176	14.5809	14.4806	0.0000	0.0000	0	0.00		
Apr 2017	DAUS	Future	40	14.6105	14.5110	0.0000	0.0000	0	0.00		
Apr 2017	DAUS	Future	70	14.6374	14.5387	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	Future	70	14.8903	14.7924	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	Future	334	15.1608	15.0549	0.0000	0.0000	0	0.00		
			<u>22,054</u>					<u>0.00</u>	<u>0.00</u>	<u>4,555,174.00</u>	<u>51,216,621,014.00</u>
Option											
Nov 2016	DAUS	11.80 Put	250	0.0000	0.0000	0.0000	0.0000	0	0.00		
Nov 2016	DAUS	13.50 Put	150	11.8503	16.0699	0.0000	0.0000	0	0.00		
Nov 2016	DAUS	19.40 Call	400	0.1963	0.0623	0.0000	0.0000	0	0.00		
Dec 2016	DAUS	13.75 Call	15,000	552.5634	478.5885	0.0000	0.0000	0	0.00		
Dec 2016	DAUS	14.00 Put	15,000	125.2710	169.1167	0.0000	0.0000	0	0.00		
Dec 2016	DAUS	14.35 Call	7,000	197.6753	170.5528	0.0000	0.0000	0	0.00		
Dec 2016	DAUS	14.11 Put	30,000	185.0580	238.8384	0.0000	0.0000	0	0.00		
Dec 2016	DAUS	14.75 Put	5,000	597.3121	682.1408	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	13.95 Put	2,000	242.6112	284.9264	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	16.17 Call	2,000	64.2124	59.2622	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	14.28 Call	5,000	496.0559	455.3187	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	14.10 Put	1,000	332.5904	377.2341	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	15.89 Call	1,000	119.1448	111.6011	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	13.80 Put	1,000	219.8781	254.2844	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	14.41 Call	1,000	481.7317	447.5877	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	14.15 Put	210	368.9560	415.7688	0.0000	0.0000	0	0.00		
Jan 2017	DAUS	15.07 Call	210	279.6710	262.1255	0.0000	0.0000	0	0.00		
Feb 2017	DAUS	14.32 Put	1,500	485.8173	543.0481	0.0000	0.0000	0	0.00		
Feb 2017	DAUS	15.03 Call	1,500	363.1973	341.9744	0.0000	0.0000	0	0.00		
Apr 2017	DAUS	13.95 Put	1,000	398.3962	442.3721	0.0000	0.0000	0	0.00		
Apr 2017	DAUS	17.02 Call	1,000	182.3510	176.1552	0.0000	0.0000	0	0.00		
Apr 2017	DAUS	13.80 Put	1,000	356.2179	393.7503	0.0000	0.0000	0	0.00		
Apr 2017	DAUS	14.10 Put	1,000	478.0698	526.0785	0.0000	0.0000	0	0.00		
Apr 2017	DAUS	15.06 Call	1,000	605.1169	577.2913	0.0000	0.0000	0	0.00		
Apr 2017	DAUS	16.67 Call	1,000	251.9188	242.9824	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	13.95 Put	1,000	490.0417	530.8722	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	17.98 Call	1,000	267.5910	263.5581	0.0000	0.0000	0	0.00		
			<u>97,220</u>					<u>0.00</u>	<u>0.00</u>	<u>10,246,007.00</u>	<u>0.00</u>
Total			119,274					0.00	0.00	14,801,181.00	51,216,621,014.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME		
Future												
Dec 2016	EUUS	Future	52	1.0564	1.0631	0.0000	0.0000	0	0.00			
			<u>52</u>					<u>0.00</u>	<u>0.00</u>	<u>352,822.00</u>	<u>3,989,281,201.00</u>	
		Total	52					0.00	0.00	352,822.00	3,989,281,201.00	
Future												
Dec 2016	GBUS	Future	1,408	1.2401	1.2436	0.0000	0.0000	0	0.00			
			<u>1,408</u>					<u>0.00</u>	<u>0.00</u>	<u>1,560.00</u>	<u>19,466,371.00</u>	
		Total	1,408					0.00	0.00	1,560.00	19,466,371.00	
Future												
Dec 2016	ZAAD	Future	11,305	10.5640	10.4954	10.5783	10.5783	84	888,577.20			
Mar 2017	ZAAD	Future	10,610	10.7190	10.6494	0.0000	0.0000	0	0.00			
Jun 2017	ZAAD	Future	91	10.8925	10.8263	0.0000	0.0000	0	0.00			
			<u>22,006</u>					<u>84.00</u>	<u>888,577.20</u>	<u>3,006,724.00</u>	<u>25,123,585,287.70</u>	
		Total	22,006					84.00	888,577.20	3,039,101.00	25,123,585,287.70	
Future												
Dec 2016	ZACA	Future	12	10.6010	10.5980	0.0000	0.0000	0	0.00			
			<u>12</u>					<u>0.00</u>	<u>0.00</u>	<u>73,738.00</u>	<u>694,437,653.50</u>	
		Total	12					0.00	0.00	73,738.00	694,437,653.50	
Future												
Dec 2016	ZACR	Future	10	2.0548	2.0510	0.0000	0.0000	0	0.00			
			<u>10</u>					<u>0.00</u>	<u>0.00</u>	<u>109,754.00</u>	<u>2,502,692,756.00</u>	
		Total	10					0.00	0.00	109,754.00	2,502,692,756.00	
Future												
Dec 2016	ZAEU	Future	51,248	15.0988	15.0885	15.1069	15.1069	7,515	113,112,853.50			
Mar 2017	ZAEU	Future	29,887	15.4238	15.4131	15.3000	15.3000	30	459,000.00			
Jun 2017	ZAEU	Future	77,442	15.7822	15.7803	15.7892	15.7892	5	78,946.00			
Sep 2017	ZAEU	Future	19	16.1367	16.1297	0.0000	0.0000	0	0.00			
			<u>158,596</u>					<u>7,550.00</u>	<u>113,650,799.50</u>	<u>9,719,839.00</u>	<u>134,348,679,140.30</u>	
Option												
Dec 2016	ZAEU	16.50 Call	450	38.1108	40.5890	0.0000	0.0000	0	0.00			
Dec 2016	ZAEU	16.90 Put	2,961	1821.8899	1833.8171	0.0000	0.0000	0	0.00			
Dec 2016	ZAEU	21.90 Call	2,961	0.0967	0.1047	0.0000	0.0000	0	0.00			
Mar 2017	ZAEU	14.30 Put	1,000	193.8865	202.5567	0.0000	0.0000	0	0.00			
Mar 2017	ZAEU	14.80 Call	500	972.8027	973.7335	0.0000	0.0000	0	0.00			
Mar 2017	ZAEU	16.00 Call	680	436.6556	442.3599	0.0000	0.0000	0	0.00			
Mar 2017	ZAEU	17.17 Call	1,000	197.4653	203.3490	0.0000	0.0000	0	0.00			

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			9,552					0.00	0.00	4,789,001.00	0.00
		Total	168,148					7,550.00	113,650,799.50	14,508,840.00	134,348,679,140.30
Future											
	Dec 2016 ZAFR	Future	1,945	14.0879	14.0619	0.0000	0.0000	0	0.00		
			1,945					0.00	0.00	564,502.00	5,895,831,281.10
		Total	1,945					0.00	0.00	564,502.00	5,895,831,281.10
Future											
	Dec 2016 ZAGB	Future	44,454	17.7252	17.6496	17.7661	17.5331	306	5,406,067.80		
	Mar 2017 ZAGB	Future	9,144	18.0664	17.9885	0.0000	0.0000	20	356,812.00		
	Jun 2017 ZAGB	Future	19,992	18.4395	18.3684	18.1900	18.1900	40	727,600.00		
	Sep 2017 ZAGB	Future	17	18.8042	18.7265	0.0000	0.0000	0	0.00		
			73,607					366.00	6,490,479.80	6,976,901.00	114,799,069,476.70
Option											
	Dec 2016 ZAGB	15.89 Put	525	11.3701	13.7606	0.0000	0.0000	0	0.00		
	Dec 2016 ZAGB	16.76 Call	525	1032.2566	969.8785	0.0000	0.0000	0	0.00		
	Dec 2016 ZAGB	16.76 Put	1,050	67.0566	80.2785	0.0000	0.0000	0	0.00		
	Dec 2016 ZAGB	17.13 Put	4,885	145.9375	173.7264	0.0000	0.0000	0	0.00		
	Dec 2016 ZAGB	17.30 Call	656	626.1812	584.0274	0.0000	0.0000	0	0.00		
	Dec 2016 ZAGB	17.30 Put	525	200.9812	234.4274	0.0000	0.0000	0	0.00		
	Dec 2016 ZAGB	17.80 Put	800	433.6865	484.9828	0.0000	0.0000	0	0.00		
	Dec 2016 ZAGB	18.00 Call	1,000	283.8006	264.7755	0.0000	0.0000	0	0.00		
	Dec 2016 ZAGB	18.00 Put	1,000	558.6006	615.1755	0.0000	0.0000	0	0.00		
	Dec 2016 ZAGB	19.39 Call	525	45.0241	43.1951	0.0000	0.0000	0	0.00		
	Dec 2016 ZAGB	21.41 Put	4,885	3689.3955	3765.3752	0.0000	0.0000	0	0.00		
	Dec 2016 ZAGB	24.46 Call	4,885	0.6711	0.5692	0.0000	0.0000	0	0.00		
			21,261					0.00	0.00	1,750,813.00	0.00
		Total	94,868					366.00	6,490,479.80	8,727,714.00	114,799,069,476.70
Future											
	Dec 2016 ZAHK	Future	16,430	1.8430	1.8303	0.0000	0.0000	0	0.00		
	Mar 2017 ZAHK	Future	3,500	1.8753	1.8624	0.0000	0.0000	0	0.00		
			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	0.1274	0.1279	0.1279	0.1279	131	1,682,040.00		
			11,155					131.00	1,682,040.00	888,228.00	9,849,800,419.30
		Total	11,155					131.00	1,682,040.00	888,228.00	9,849,800,419.30

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Dec 2016	ZAKS	Future	1,382	0.1398	0.1387	0.0000	0.0000	0	0.00		
			<u>1,382</u>					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											
Dec 2016	ZASD	Future	153	9.9778	9.9563	0.0000	0.0000	0	0.00		
			<u>153</u>					0.00	0.00	8,583.00	87,643,864.10
		Total	153					0.00	0.00	8,583.00	87,643,864.10
Future											
Dec 2016	ZATR	Future	83	4.1815	4.1799	0.0000	0.0000	0	0.00		
			<u>83</u>					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	444	14.2930	14.1928	0.0000	0.0000	0	0.00		
Mar 2017	ZAUM	Future	91	14.5326	14.4308	0.0000	0.0000	0	0.00		
Jun 2017	ZAUM	Future	55	14.7991	14.7027	0.0000	0.0000	0	0.00		
			<u>590</u>					0.00	0.00	133,300.00	150,779,220,060.00
		Total	590					0.00	0.00	137,823.00	150,779,220,060.00
Future											
Dec 2016	ZAUS	Future	412,128	14.2930	14.1928	14.3600	14.0857	54,143	768,381,158.70		
Mar 2017	ZAUS	Future	173,367	14.5326	14.4308	14.5872	14.4293	712	10,238,007.90		
Jun 2017	ZAUS	Future	158,225	14.7991	14.7027	14.6310	14.6300	80	1,170,430.00		
Sep 2017	ZAUS	Future	4,400	15.0593	14.9573	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	Future	670	15.3221	15.2126	0.0000	0.0000	0	0.00		
Mar 2018	ZAUS	Future	70	15.5815	15.4732	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	Future	70	15.8409	15.7339	0.0000	0.0000	0	0.00		
			<u>748,930</u>					54,935.00	779,789,596.60	125,748,042.00	1,416,712,480,594.30
Option											
Dec 2016	ZAUS	11.80 Put	250	1.6755	2.5129	0.0000	0.0000	0	0.00		
Dec 2016	ZAUS	12.59 Put	2,800	6.4046	8.6078	0.0000	0.0000	0	0.00		
Dec 2016	ZAUS	12.75 Put	25,850	8.5497	11.2730	0.0000	0.0000	0	0.00		
Dec 2016	ZAUS	13.00 Put	166,585	15.9226	22.1788	0.0000	0.0000	0	0.00		
Dec 2016	ZAUS	13.22 Put	725	29.1377	40.3031	0.0000	0.0000	0	0.00		
Dec 2016	ZAUS	13.34 Call	2,800	992.7522	907.3789	0.0000	0.0000	0	0.00		
Dec 2016	ZAUS	13.34 Put	7,800	39.7522	54.5789	0.0000	0.0000	0	0.00		
Dec 2016	ZAUS	13.35 Put	4,500	40.7696	55.9361	0.0000	0.0000	0	0.00		
Dec 2016	ZAUS	13.40 Put	3,000	46.1983	63.1421	0.0000	0.0000	0	0.00		

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Dec 2016	ZAUS	13.48 Put	9,347	56.1543	76.2266	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.50 Put	37,386	58.9068	79.8175	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.70 Call	500	689.6775	623.2075	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.70 Put	2,000	96.6775	130.4075	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.75 Put	12,000	109.4132	145.8546	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.77 Put	19,800	114.8217	152.3625	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.85 Put	20,000	138.3073	180.3052	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	13.90 Put	250	154.5312	199.3451	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.00 Call	23,025	483.6521	433.9067	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.00 Put	88,710	190.6521	241.1067	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.05 Call	300	453.5834	406.6344	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.08 Call	5,000	436.1464	390.8603	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.09 Call	1,200	430.4336	385.7013	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.10 Put	2,800	231.7727	287.7895	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.12 Put	800	240.6025	297.7136	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.14 Put	10,000	249.6344	307.8321	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.15 Put	150	254.2260	312.9631	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.18 Call	4,200	381.3033	341.4465	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.20 Call	500	370.9397	332.1411	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.20 Put	2,000	277.9397	339.3411	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.25 Call	2,000	345.9050	310.8388	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.25 Put	2,000	302.9050	368.0388	0.0000	0.0000	10,000	0.00
Dec 2016	ZAUS	14.30 Put	3,800	329.1121	397.8951	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.33 Put	0	346.1671	416.3484	0.0000	0.0000	10,000	0.00
Dec 2016	ZAUS	14.34 Call	1,400	304.9489	275.3878	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.40 Call	26,120	280.6362	253.7309	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.45 Put	20,000	418.6495	494.0322	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.50 Call	1,200	243.7750	220.9367	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.50 Put	32,849	450.7750	528.1367	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.51 Put	1,000	457.3303	535.0738	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.60 Call	20,000	211.2002	191.9808	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.63 Put	5,700	539.2098	621.1915	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.66 Put	20,000	560.5653	643.5080	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.69 Call	7,150	185.2556	168.9211	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.70 Put	2,000	589.5584	673.7232	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.80 Put	56,000	664.4922	751.4299	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.82 Call	8,756	152.8769	140.1216	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	14.86 Call	800	144.0213	132.2363	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.00 Call	88,249	116.6775	107.3510	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.00 Put	29,368	823.6775	914.5510	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.10 Call	1,500	99.8446	92.2368	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.20 Call	0	85.3198	79.1645	0.0000	0.0000	5,000	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 2016	ZAUS	15.20 Put	6,985	992.3198	1086.3645	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.21 Put	3,500	1000.9833	1095.1600	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.28 Call	0	75.1747	70.0089	0.0000	0.0000	5,000	0.00
Dec 2016	ZAUS	15.40 Call	26,053	62.1085	58.1758	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.40 Put	31,590	1169.1085	1265.3758	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.48 Call	3,000	54.6563	51.4012	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.50 Put	69,895	1259.9344	1357.0326	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.57 Put	1,400	1324.3197	1421.9087	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.68 Put	63,513	1426.6653	1524.9941	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.80 Put	10,000	1539.7013	1638.7152	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	15.85 Call	2,000	30.1653	29.2240	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.00 Call	52,443	23.6850	23.3279	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.00 Put	32,950	1730.6850	1830.5279	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.11 Call	7,150	19.8473	19.7990	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.31 Call	11,000	14.4188	14.7409	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.53 Put	725	2247.1858	2347.9166	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.55 Call	500	9.8713	10.4136	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.69 Put	3,300	2404.9365	2505.7346	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.77 Call	16,000	7.0140	7.6275	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.91 Call	20,000	5.6614	6.2812	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	16.96 Call	5,000	5.2480	5.8649	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	17.00 Call	51,333	4.9404	5.5534	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	17.39 Call	2,800	3.6643	4.6102	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	17.50 Call	63,513	3.5607	4.4669	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	17.66 Call	15,100	3.4340	4.2888	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	17.69 Call	1,000	3.4131	4.2590	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	18.00 Call	1,500	3.2412	4.0065	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	18.06 Call	1,400	3.2160	3.9679	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	18.10 Call	23,489	3.2005	3.9438	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	18.12 Call	4,000	3.1931	3.9322	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	18.89 Call	17,000	1.9320	1.8948	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	18.98 Call	10,000	1.6676	1.6399	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	19.00 Call	2,310	1.6137	1.5878	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	19.15 Call	26,053	1.2591	1.2446	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	19.25 Call	10,303	1.0654	1.0564	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	19.75 Call	150	0.4532	0.4570	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	19.81 Call	250	0.4082	0.4125	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	19.95 Call	725	0.3192	0.3242	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	20.08 Call	750	0.2535	0.2587	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	20.16 Call	3,300	0.2198	0.2250	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	20.30 Call	10,000	0.1709	0.1759	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	20.36 Call	368	0.1533	0.1582	0.0000	0.0000	0	0.00

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Dec 2016	ZAUS	20.90 Call	32,200	0.0567	0.0598	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	21.24 Call	5,700	0.0299	0.0320	0.0000	0.0000	0	0.00
Dec 2016	ZAUS	21.30 Call	69,895	0.0266	0.0286	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	12.20 Put	250	32.9485	39.1597	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	12.50 Put	1,500	51.5570	60.4247	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	13.00 Put	91,132	102.4275	117.5490	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	13.50 Put	2,000	204.6933	235.2608	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	13.70 Call	1,603	1095.4444	1030.0692	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.10 Put	46,000	418.2138	468.7961	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.30 Call	200	746.3205	701.4643	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.30 Put	30,000	513.7205	570.6643	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.40 Put	45,132	565.5092	625.5348	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.50 Call	750	652.5112	614.2368	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	14.65 Put	100	707.5772	775.5994	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	15.00 Call	500	466.8187	440.9658	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	15.23 Put	90	1097.1582	1177.8464	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	15.36 Put	7,160	1193.8475	1277.0229	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	15.48 Call	30,000	338.4883	321.7137	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	15.70 Put	6,370	1460.3122	1548.3374	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	15.74 Put	3,200	1492.7535	1581.2744	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	15.80 Call	180	274.4056	261.8411	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	16.22 Call	45,132	207.8411	198.5709	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	16.50 Call	1,000	172.3778	165.1935	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	16.75 Put	1,800	2363.5802	2459.6920	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	17.00 Call	18,186	124.2725	119.7950	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	17.31 Call	46,000	102.0076	98.7088	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	18.43 Call	90	59.6929	58.6986	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	18.44 Call	7,160	59.4468	58.4580	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	19.00 Call	6,370	45.8504	43.2719	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	19.38 Call	3,200	33.7470	31.8729	0.0000	0.0000	0	0.00
Mar 2017	ZAUS	21.42 Call	1,800	5.8620	5.5784	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.83 Put	2,280	424.5832	462.2850	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.87 Put	30,000	439.4014	477.9674	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.11 Put	2,850	536.7603	583.5001	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.18 Put	1,400	568.9085	617.2074	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.23 Put	2,000	592.4908	641.9000	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.33 Put	3,000	641.2035	692.7942	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.50 Call	1,000	1027.7316	986.5423	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.89 Put	1,297	950.2502	1013.1760	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.40 Call	5,000	679.4247	654.3420	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.50 Put	150	1349.7788	1422.8306	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.78 Call	2,280	572.0569	552.6101	0.0000	0.0000	0	0.00

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Jun 2017	ZAUS	15.78 Put	3,155	1552.9569	1629.9101	0.0000	0.0000	0	0.00		
Jun 2017	ZAUS	15.85 Call	3,000	554.5069	535.8852	0.0000	0.0000	0	0.00		
Jun 2017	ZAUS	15.86 Call	30,000	552.0486	533.5425	0.0000	0.0000	0	0.00		
Jun 2017	ZAUS	16.00 Call	2,000	518.8677	501.9206	0.0000	0.0000	0	0.00		
Jun 2017	ZAUS	16.10 Call	1,400	496.5340	480.6347	0.0000	0.0000	0	0.00		
Jun 2017	ZAUS	16.26 Call	2,850	463.0182	447.7419	0.0000	0.0000	0	0.00		
Jun 2017	ZAUS	16.73 Call	2,000	375.3283	363.6777	0.0000	0.0000	0	0.00		
Jun 2017	ZAUS	18.15 Call	1,297	212.5546	209.8821	0.0000	0.0000	0	0.00		
Jun 2017	ZAUS	18.65 Call	150	182.9710	181.5316	0.0000	0.0000	0	0.00		
Jun 2017	ZAUS	19.71 Call	3,155	122.2416	117.1249	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	12.75 Put	2,000	170.6037	191.6718	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.00 Put	10,000	227.1891	253.4059	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.40 Put	500	340.7635	375.9671	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.75 Put	2,000	458.9049	499.0146	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	13.76 Put	960	462.4825	502.8011	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	14.22 Put	110	645.5490	695.9884	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	14.32 Put	110	690.6867	745.5107	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	14.47 Put	150	765.3536	823.0336	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	16.40 Call	960	677.5374	659.9453	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	16.80 Call	110	590.1687	575.3232	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	17.00 Call	650	551.1415	537.7037	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	17.03 Call	110	545.5591	532.3194	0.0000	0.0000	0	0.00		
Sep 2017	ZAUS	18.00 Call	10,000	396.9437	389.8730	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.35 Put	52,000	371.2025	407.2328	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.00 Put	33,000	606.1319	653.9926	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.09 Put	16,000	642.9870	0.0000	0.0000	0.0000	16,000	0.00		
Dec 2017	ZAUS	14.50 Put	2,055	826.4360	885.6397	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.53 Put	22,000	840.8425	901.3141	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	16.55 Call	52,000	893.0114	870.5155	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	16.82 Call	22,000	826.9597	806.6085	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	17.13 Call	16,000	757.9623	0.0000	0.0000	0.0000	16,000	0.00		
Dec 2017	ZAUS	17.24 Call	33,000	735.1903	717.9698	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	18.06 Call	2,055	590.1963	577.8566	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.64 Put	70,530	581.7464	624.9942	0.0000	0.0000	0	0.00		
			<u>2,349,782</u>					<u>62,000.00</u>	<u>0.00</u>	<u>30,703,328.00</u>	<u>0.00</u>
Total			3,098,712					116,935.00	779,789,596.60	156,451,370.00	1,416,712,480,594.30
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Grand Total			3,562,408					125,066.00	902,501,493.10	208,347,957	1,956,516,317,731.90