



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 13-November-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Nov 2017	DAEU	Future	21	16.9477	16.7285	0.0000	0.0000	0	0.00
Nov 2017	DAEU	Future	800	16.9916	16.7751	0.0000	0.0000	0	0.00
Dec 2017	DAEU	Future	3	17.0122	16.7958	0.0000	0.0000	0	0.00
Dec 2017	DAEU	Future	800	17.1047	16.8866	0.0000	0.0000	0	0.00
			<u>1,624</u>					<u>0.00</u>	<u>0.00</u>
									<u>247 766.00</u>
									<u>3 574 018 719.90</u>
Option									
Jan 2018	DAEU	15.80 Put	193,000	85.0815	121.2102	0.0000	0.0000	0	0.00
Feb 2018	DAEU	16.41 Put	114,748	245.7995	316.6610	0.0000	0.0000	0	0.00
			<u>307,748</u>					<u>0.00</u>	<u>0.00</u>
		Total	309,372					0.00	0.00
									<u>880 013.00</u>
									<u>3 574 018 719.90</u>
Future									
Dec 2017	DAGB	Future	10	19.1248	19.0589	0.0000	0.0000	0	0.00
Jan 2018	DAGB	Future	10	19.3102	19.2410	0.0000	0.0000	0	0.00
			<u>20</u>					<u>0.00</u>	<u>0.00</u>
									<u>53 490.00</u>
									<u>877 331 125.50</u>
Option									
Dec 2017	DAGB	19.19 Call	15,200	258.3836	233.9613	0.0000	0.0000	0	0.00
			<u>15,200</u>					<u>0.00</u>	<u>0.00</u>
		Total	15,220					0.00	0.00
									<u>207 313.00</u>
									<u>877 331 125.50</u>
Future									
Nov 2017	DAUS	Future	0	14.5270	14.3440	0.0000	0.0000	70	1,014,825.00
Nov 2017	DAUS	Future	200	14.5294	14.3441	0.0000	0.0000	0	0.00
Nov 2017	DAUS	Future	300	14.5294	14.3464	0.0000	0.0000	0	0.00
Nov 2017	DAUS	Future	238	14.5318	14.3488	0.0000	0.0000	0	0.00
Nov 2017	DAUS	Future	1,990	14.5585	14.3749	0.0000	0.0000	0	0.00
Nov 2017	DAUS	Future	2,708	14.5634	14.3798	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	24	14.5732	14.3894	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	241	14.5977	14.4136	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	1,781	14.6001	14.4160	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	916	14.6292	14.4446	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	14.6486	14.4637	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	500	14.6632	14.4780	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	14.6680	14.4828	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	14.6826	14.4970	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	70	14.6994	14.5134	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	1,564	14.7138	14.5275	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	70	14.7450	14.5579	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	70	14.9119	14.7223	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	110	14.9262	14.7363	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	70	14.9524	14.7622	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	181	15.0002	14.8096	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	100	15.0768	14.8858	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,800	15.1198	14.9286	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	70	15.1318	14.9405	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,853	15.1461	14.9547	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	15.1772	14.9856	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	15.3565	15.1630	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	15.4033	15.2091	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	15.6435	15.4441	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	17.1598	16.9066	0.0000	0.0000	0	0.00		
			<u>99,859</u>					<u>70.00</u>	<u>1,014,825.00</u>	<u>6 874 483.00</u>	<u>83 272 221 966.00</u>

Option

Nov 2017	DAUS	14.17 Call	10,000	421.3195	284.2501	0.0000	0.0000	0	0.00
Nov 2017	DAUS	14.54 Call	300	213.9005	133.7943	0.0000	0.0000	0	0.00
Nov 2017	DAUS	14.70 Call	50	148.7807	0.0000	0.0000	0.0000	50	0.00
Nov 2017	DAUS	13.50 Put	60	4.8774	6.6679	0.0000	0.0000	0	0.00
Nov 2017	DAUS	17.74 Call	60	0.2947	0.3054	0.0000	0.0000	0	0.00
Nov 2017	DAUS	12.75 Put	238,000	0.8989	1.5764	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.50 Put	60	29.6919	48.4410	0.0000	0.0000	0	0.00
Dec 2017	DAUS	18.02 Call	60	4.0265	3.4967	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.50 Call	150	456.3637	366.7747	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.20 Put	2,000	31.9308	47.7259	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.76 Call	1,000	401.1613	329.8882	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.88 Call	1,000	354.9482	290.8919	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	107,000	57.8365	79.7953	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.27 Put	154,000	60.1400	82.8074	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.30 Put	40,904	63.7647	87.4895	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.40 Put	168,000	77.0939	104.5631	0.0000	0.0000	0	0.00
Feb 2018	DAUS	12.57 Put	242	23.1026	28.4642	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.04 Put	234	44.2388	55.8957	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.15 Put	3,496	51.3900	67.0603	0.0000	0.0000	0	0.00

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Feb 2018	DAUS	15.22 Call	242	333.9379	279.4525	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	15.52 Call	2,723	255.3929	213.2375	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	15.79 Call	234	200.4625	167.0643	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	15.88 Call	773	184.8864	154.0260	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	13.80 Put	35,000	160.1929	206.2959	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	13.90 Put	20,000	190.7904	246.8766	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	14.18 Put	90,000	305.1458	375.5825	0.0000	0.0000	0	0.00		
Mar 2018	DAUS	13.50 Put	100,000	120.3011	154.5957	0.0000	0.0000	0	0.00		
Mar 2018	DAUS	13.40 Put	100,000	103.5961	134.2012	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.00 Put	1,000	765.7338	870.7727	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.81 Call	2,000	420.1730	364.8674	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	13.80 Put	1,000	240.6780	288.8865	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.23 Call	500	607.4011	530.6330	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.66 Call	500	471.6929	410.5073	0.0000	0.0000	0	0.00		
May 2018	DAUS	13.80 Put	1,000	265.7335	313.9483	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.43 Call	500	628.6509	554.3912	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.89 Call	500	492.9458	433.7615	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	13.80 Put	1,000	287.6831	335.9285	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	15.62 Call	500	647.9416	576.2938	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	16.10 Call	500	513.9504	456.5508	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.19 Put	1,500	435.0942	497.0192	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.72 Call	1,500	682.0918	610.6866	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	308.7629	356.9911	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	669.3539	600.5068	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	536.6273	480.7714	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	328.0808	376.3721	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	680.7614	614.9197	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	550.4524	496.2815	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	343.6391	391.4525	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	693.0906	629.0331	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	561.5259	507.2364	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	359.7575	407.1231	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	711.0938	648.6117	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	583.2587	529.5662	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	369.9537	421.4090	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	726.4706	666.3294	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	590.6699	540.2395	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	382.4450	435.1679	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	747.3063	688.6278	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	608.0564	559.4687	0.0000	0.0000	0	0.00		
			<u>1,099,588</u>					<u>50.00</u>	<u>0.00</u>	<u>14 743 750.00</u>	<u>0.00</u>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
Total			1,199,447					120.00	1,014,825.00	21 618 233.00	83 272 221 966.00	
Future												
	Dec 2017	EUUS	Future	110	1.1684	1.1683	0.0000	0.0000	0	0.00		
				110					0.00	0.00	648 950.00	7 291 434 095.00
			Total	110					0.00	0.00	648 950.00	7 291 434 095.00
Future												
	Dec 2017	ZAAD	Future	16,394	11.1548	11.0537	11.1700	11.0689	51	566,735.00		
	Mar 2018	ZAAD	Future	1,650	11.3155	11.2121	0.0000	0.0000	0	0.00		
	Jun 2018	ZAAD	Future	300	11.4776	11.3726	11.4800	11.4800	12	137,760.00		
				18,344					63.00	704,495.00	3 393 858.00	29 074 283 639.90
			Total	18,344					63.00	704,495.00	3 426 235.00	29 074 283 639.90
Future												
	Dec 2017	ZACA	Future	1,000	11.4832	11.3721	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	1,400	2.2954	2.2657	2.2861	2.2861	100	2,286,100.00		
				1,400					100.00	2,286,100.00	9 670.00	207 841 159.00
			Total	1,400					100.00	2,286,100.00	9 670.00	207 841 159.00
Future												
	Dec 2017	ZAEU	Future	110,937	17.0675	16.8501	17.1256	16.8436	7,423	125,778,574.30		
	Mar 2018	ZAEU	Future	14,431	17.4251	17.2009	17.4799	17.3799	519	9,029,301.10		
	Jun 2018	ZAEU	Future	736	17.7850	17.5554	0.0000	0.0000	0	0.00		
	Sep 2018	ZAEU	Future	4,679	18.1562	17.9228	0.0000	0.0000	0	0.00		
				130,783					7,942.00	134,807,875.40	12 769 449.00	179 889 854 000.40
Option												
	Dec 2017	ZAEU	14.00 Put	18,000	0.9242	1.6306	0.0000	0.0000	0	0.00		
	Dec 2017	ZAEU	16.39 Call	18,000	777.8658	621.1413	0.0000	0.0000	0	0.00		
	Mar 2018	ZAEU	15.05 Put	5,648	53.9790	68.5628	0.0000	0.0000	0	0.00		
	Mar 2018	ZAEU	15.10 Put	19,510	56.9724	72.4093	0.0000	0.0000	0	0.00		
	Mar 2018	ZAEU	16.39 Put	174,600	258.8041	325.6567	0.0000	0.0000	0	0.00		
	Mar 2018	ZAEU	16.50 Call	643	1216.8275	1067.0274	0.0000	0.0000	0	0.00		
	Mar 2018	ZAEU	17.00 Call	620	911.4396	788.5514	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	13.75 Put	54,507	22.8792	25.0247	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	13.97 Put	7,000	25.1433	27.5906	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	15.25 Put	54,507	102.3722	127.9494	0.0000	0.0000	0	0.00		

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Jun 2018	ZAEU	16.44 Put	7,000	335.5735	398.5369	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	7,000	629.8793	549.8368	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	54,507	261.2215	221.0990	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	41,516	54.2725	58.4846	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.00 Put	41,516	262.1852	307.4807	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	21.63 Call	41,516	324.2527	286.7263	0.0000	0.0000	0	0.00	
			546,090					0.00	0.00	6 002 472.00
		Total	676,873					7,942.00	134,807,875.40	18 771 921.00 179 889 854 000.40
Future										
Dec 2017	ZAFR	Future	1,502	14.7040	14.5312	0.0000	0.0000	0	0.00	
			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	213,017	19.1369	19.0707	19.2108	18.9349	2,558	48,878,175.00	
Mar 2018	ZAGB	Future	4,103	19.4857	19.4145	19.5399	19.4000	512	9,965,498.30	
Jun 2018	ZAGB	Future	4,883	19.8325	19.7594	0.0000	0.0000	0	0.00	
Sep 2018	ZAGB	Future	3,565	20.1840	20.1099	0.0000	0.0000	0	0.00	
			225,568					3,070.00	58,843,673.30	9 229 695.00 153 678 766 903.10
Option										
Dec 2017	ZAGB	18.20 Call	400	1039.7589	983.8492	0.0000	0.0000	0	0.00	
Dec 2017	ZAGB	19.80 Call	800	205.9734	190.0447	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	17.00 Put	500	106.6667	109.9769	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	20.14 Call	500	604.3725	574.1599	0.0000	0.0000	0	0.00	
			2,200					0.00	0.00	1 770 013.00 0.00
		Total	227,768					3,070.00	58,843,673.30	10 999 708.00 153 678 766 903.10
Future										
Dec 2017	ZAJY	Future	225	0.1289	0.1275	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	0.1394	0.1376	0.0000	0.0000	0	0.00	
Sep 2018	ZAKS	Future	562	0.1382	0.1364	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	3.7273	3.7020	0.0000	0.0000	0	0.00	

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			4,775					0.00	0.00
		Total	4,775					0.00	0.00
Future									
Dec 2017	ZAUM	Future	806	14.6074	14.4231	14.6289	14.4358	59	85,692,470.00
Mar 2018	ZAUM	Future	28	14.8260	14.6377	14.8485	14.7208	15	22,146,250.00
Jun 2018	ZAUM	Future	9	15.0433	14.8525	0.0000	0.0000	0	0.00
			843					74.00	107,838,720.00
		Total	843					74.00	107,838,720.00
Future									
Dec 2017	ZAUS	Future	1,061,502	14.6074	14.4231	14.6600	14.4300	121,220	1,763,707,070.70
Mar 2018	ZAUS	Future	177,458	14.8260	14.6377	14.8800	14.6439	15,986	235,529,851.10
Jun 2018	ZAUS	Future	111,297	15.0433	14.8525	15.0828	15.0679	504	7,580,901.40
Sep 2018	ZAUS	Future	3,267	15.2631	15.0706	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	Future	2,000	15.4840	15.2882	0.0000	0.0000	6,000	87,531,000.00
Sep 2020	ZAUS	Future	184,000	17.3092	17.0490	0.0000	0.0000	0	0.00
			1,539,524					143,710.00	2,094,348,823.20
									158 103 847.00
									1 851 569 415 233.10
Option									
Dec 2017	ZAUS	11.75 Put	1,000	0.5081	0.6662	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.00 Put	20,141	0.8002	1.0679	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.16 Put	550	1.0749	1.4515	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.20 Put	4,000	1.1579	1.5683	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.21 Put	18,000	1.1797	1.5991	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.40 Put	114,600	1.6869	2.3199	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.50 Put	16,416	2.0417	2.8298	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.56 Put	7,100	2.2918	3.1913	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.65 Put	1,819	2.7292	3.8278	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.75 Put	10,000	3.3211	4.6949	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.76 Put	550	3.3873	4.7924	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.00 Put	10,000	5.4808	8.4463	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.10 Put	41,000	6.7267	11.7832	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.12 Put	40,000	7.0101	12.5739	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.15 Put	2,600	7.4593	13.8468	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.18 Put	16,000	8.2708	15.2298	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.20 Call	7,000	1416.2555	1239.3175	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.20 Put	6,728	8.8555	16.2175	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.21 Put	5,000	9.1612	16.7313	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.22 Put	7,100	9.4763	17.2595	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.25 Call	16,141	1367.8792	1192.0309	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.35 Put	52,000	14.5221	25.5424	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.40 Put	114,600	17.0075	29.5245	0.0000	0.0000	0	0.00

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Dec 2017	ZAUS	13.50 Call	11,016	1130.4914	962.1698	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.60 Call	4,000	1038.3340	874.1500	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Call	3,750	895.4609	740.9642	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Put	3,000	48.0609	77.8642	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.80 Put	550	53.3831	86.6865	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.93 Call	7,100	753.4316	613.3536	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Call	19,000	698.9920	564.7003	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Put	33,500	91.5920	141.6003	0.0000	0.0000	500	0.00
Dec 2017	ZAUS	14.27 Put	40,000	172.5401	246.8091	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.40 Call	2,000	431.6853	333.7871	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Call	7,100	377.3286	291.2182	0.0000	0.0000	500	0.00
Dec 2017	ZAUS	14.50 Put	2,055	269.9286	368.1182	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.63 Call	10,000	314.9147	242.8874	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.90 Call	1,500	215.7352	164.6887	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	4,580	186.7192	142.2039	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	158.9551	120.8135	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.12 Call	40,000	156.6310	118.9959	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.50 Call	25,457	88.2397	66.4396	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.60 Call	10,000	75.5108	56.9306	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	16.00 Call	117,200	40.3120	29.8528	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.13 Call	18,000	5.7912	3.9860	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	4.7922	3.2734	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	2.7032	2.4831	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	225,000	14.0397	17.7201	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.36 Put	20,880	25.4092	32.2104	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	27.0730	34.3256	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.50 Put	26,000	31.6565	40.1470	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.57 Put	3,000	35.2553	44.7102	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.94 Put	5,000	60.7835	76.8777	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	94,964	66.1435	83.5872	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.22 Put	15,000	89.3659	113.0382	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	2,478	93.0101	118.3795	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	112.6111	143.6996	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	2,500	116.1163	147.9197	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Call	15,000	1460.8574	1308.0636	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Put	17,750	134.8574	170.3636	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.60 Put	3,000	155.7192	195.1346	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.74 Put	20,880	188.6860	233.8953	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.76 Call	4,000	1259.7690	1117.5338	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.91 Put	7,000	234.9633	287.8652	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.05 Put	500	278.4799	341.1010	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.16 Put	750	318.6412	386.8035	0.0000	0.0000	0	0.00

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Mar 2018	ZAUS	14.18 Put	41,000	326.3048	395.4781	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Put	65,000	334.0764	404.2649	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.44 Call	10,000	822.0231	716.0755	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.45 Call	17,000	816.6148	711.1721	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.49 Put	80,000	459.2622	544.1276	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Call	240	789.9906	687.0585	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Put	400	463.9906	549.3585	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.52 Put	1,000	473.5325	559.9036	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.75 Call	20,880	666.9600	577.6350	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.86 Call	15,000	618.7839	535.3267	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.90 Call	5,000	602.2565	520.6597	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	8,395	598.1885	517.0522	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.95 Call	3,000	582.1588	502.8495	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.00 Call	6,126	562.6659	485.6078	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	521.8639	449.6099	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.26 Call	2,500	470.6365	404.6022	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	409.6986	351.5399	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	65,000	398.4550	341.8804	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.69 Call	750	349.5725	299.5506	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.75 Call	0	335.4782	287.3327	0.0000	0.0000	15,000	0.00
Mar 2018	ZAUS	16.00 Call	3,276	282.7516	241.7620	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.16 Call	225,000	253.5964	216.1843	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	750	9.0208	9.3915	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	66	12.2807	13.0148	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	137,000	16.8251	21.2952	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	104,895	26.7721	35.7980	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	12,603	36.1749	47.6263	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	68.0136	86.6549	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	95.1918	119.1743	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	14,658	101.1535	126.2386	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	108.9809	135.4789	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	129.5250	159.5715	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.22 Put	15,000	138.8440	170.4295	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	50	154.7172	188.8429	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	190.1442	228.1032	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	194.9306	233.2854	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	234.8830	277.6310	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.70 Put	184,000	250.8138	295.6126	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	104,895	264.6330	311.1715	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	287.7920	337.1554	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	290.7764	340.5015	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	309.1235	361.0106	0.0000	0.0000	0	0.00

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Jun 2018	ZAUS	14.00 Put	6,130	341.3551	396.9046	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	14.10 Put	7,028	375.6766	434.9584	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	14.71 Call	50	976.1109	873.5873	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	14.81 Call	500	928.5171	829.7639	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.11 Call	760	798.2513	711.2192	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.14 Call	2,700	786.2934	700.3138	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.43 Call	15,000	679.2639	603.0290	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.53 Call	965	645.7852	572.7136	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.16 Call	5,183	471.9952	417.5945	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.38 Call	750	424.1625	374.5532	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.41 Call	300	418.0637	368.7690	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.49 Call	7,420	402.2848	353.7985	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.52 Call	66	396.5412	348.3498	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.92 Call	104,895	324.1400	283.6325	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.00 Call	1,500	311.3652	272.3103	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.21 Call	500	280.3503	244.8616	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.28 Call	5,630	270.7672	236.3981	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.38 Call	7,028	257.6969	224.8576	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.00 Put	750	16.3554	16.5019	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.61 Put	5,300	66.6894	82.2239	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.65 Put	1,550	71.6042	88.1695	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.85 Put	750	100.0989	122.3799	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.65 Call	1,464	1902.4548	1757.4883	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.73 Put	2,500	315.4899	361.9833	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	15.97 Call	5,300	745.2137	675.5626	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.04 Call	1,550	724.4728	656.7209	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.14 Call	750	696.1603	630.7994	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	17.02 Call	2,500	492.1094	442.7451	0.0000	0.0000	0	0.00		
			<u>2,806,394</u>					<u>16,000.00</u>	<u>0.00</u>	<u>39 872 152.00</u>	<u>0.00</u>
	Total		4,345,918					159,710.00	2,094,348,823.20	197 975 999.00	1 851 569 415 233.10
	Grand Total		6,804,504					171,079.00	2 399 844 511.90	265,195,421	2,538,994,550,750.90