



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 04-May-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
May 2018	DAEU	Future	41	15.0637	15.2492	0.0000	0.0000	0	0.00
			<u>41</u>					<u>0.00</u>	<u>0.00</u>
		Total	41					0.00	0.00
									790 899.00
									11 804 604 189.10
Future									
May 2018	DAGB	Future	11	17.0319	17.2456	0.0000	0.0000	0	0.00
			<u>11</u>					<u>0.00</u>	<u>0.00</u>
		Total	11					0.00	0.00
									53 733.00
									881 578 220.30
Future									
May 2018	DAUS	Future	0	12.6170	12.7206	0.0000	0.0000	35,311	445,518,887.00
May 2018	DAUS	Future	46,000	12.5858	12.7206	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	70	12.5892	12.7224	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	46,000	12.6062	12.7393	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	34,600	12.6079	12.7410	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	20,000	12.6130	12.7461	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	40,000	12.6197	12.7529	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	181	12.6231	12.7563	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,746	12.6367	12.7698	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	9,546	12.6563	12.7898	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	2,085	12.6711	12.8047	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	12.6760	12.8097	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	12.7054	12.8394	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	12.7119	12.8460	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	12.7135	12.8477	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,345	12.7168	12.8510	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,515	12.7233	12.8575	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	12.7443	12.8788	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	2,879	12.7733	12.9078	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	1,295	12.8183	12.9530	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>		
Oct 2018	DAUS	Future	70	12.8617	12.9966	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	12.8681	13.0030	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	1,643	12.8713	13.0062	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	12.8920	13.0269	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	1,212	12.9186	13.0535	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.0157	13.1506	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.0359	13.1709	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	1,225	13.0591	13.1941	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.1008	13.2359	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,225	13.1534	13.2886	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	13.8729	14.0092	0.0000	0.0000	0	0.00		
			<u>306,181</u>					<u>35,311.00</u>	<u>445,518,887.00</u>	<u>9 765 352.00</u>	<u>118 509 624 309.20</u>

Option

May 2018	DAUS	12.00 Call	100,000	585.8357	720.7052	0.0000	0.0000	0	0.00
May 2018	DAUS	12.10 Call	100,000	485.9227	620.8303	0.0000	0.0000	0	0.00
May 2018	DAUS	12.74 Put	1,880	185.4602	106.8692	0.0000	0.0000	0	0.00
May 2018	DAUS	13.86 Put	1,880	1274.1169	1141.1300	0.0000	0.0000	0	0.00
May 2018	DAUS	15.63 Call	1,880	0.0849	0.0610	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Put	11,000	217.0892	136.2124	0.0000	0.0000	0	0.00
May 2018	DAUS	14.50 Put	11,000	1905.7714	1772.7530	0.0000	0.0000	0	0.00
May 2018	DAUS	15.76 Call	11,000	0.1282	0.0739	0.0000	0.0000	0	0.00
May 2018	DAUS	10.90 Put	1,000	0.0071	0.0331	0.0000	0.0000	0	0.00
May 2018	DAUS	11.70 Put	1,000	0.3607	0.3935	0.0000	0.0000	0	0.00
May 2018	DAUS	12.20 Call	1,000	414.7171	538.0922	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Put	51,000	7.4947	3.3620	0.0000	0.0000	0	0.00
May 2018	DAUS	11.95 Call	30,000	662.1580	792.6585	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Call	30,000	616.6403	745.4058	0.0000	0.0000	0	0.00
May 2018	DAUS	12.37 Call	30,000	314.8635	414.9103	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	80,000	178.2198	253.7040	0.0000	0.0000	0	0.00
May 2018	DAUS	12.45 Call	40,000	275.2479	367.7921	0.0000	0.0000	0	0.00
May 2018	DAUS	12.46 Call	30,000	269.1876	360.6204	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Put	270	180.6671	122.7417	0.0000	0.0000	0	0.00
May 2018	DAUS	12.69 Call	270	165.5588	229.3481	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1184.0267	1055.3986	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.2899	0.3535	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	0.1930	0.2514	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	158.3897	211.4905	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1172.3187	1050.9345	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	2.0908	2.1109	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	1.9246	1.9125	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	25.7159	17.6850	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	198.8499	148.2193	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Jul 2018	DAUS	13.12 Call	2,000	142.7275	179.5136	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	66.5569	46.6004	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	72.9012	91.7392	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	59.3594	74.7421	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1769.4327	1643.2861	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	4.4064	5.1153	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1168.3262	1052.0338	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	6.2965	7.5670	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	3.3774	3.9936	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	177.0054	134.9631	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1220.8793	1104.2450	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	4.9442	5.7155	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	1168.9125	1057.0270	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	9.9709	12.1043	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	4.5129	5.3035	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	1169.8616	1061.0204	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	16.9339	19.4155	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	8.9268	10.3271	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	1171.1448	1065.2833	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	30.9944	33.3091	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	18.9987	21.9448	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	127.3031	100.8456	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	1219.3970	1112.5102	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	25.3130	28.9702	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	21.0699	16.1229	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	87.1736	70.6825	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	420.5569	469.0925	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	1174.2713	1071.8929	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	42.6836	46.4181	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	24.6250	29.3115	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	1059.6553	962.2906	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	82.9479	91.8693	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	1175.9122	1076.5088	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	51.7843	58.2501	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	29.7955	35.5339	0.0000	0.0000	0	0.00
			<u>768,206</u>					<u>0.00</u>	<u>0.00</u>
			Total	1,074,387				35,311.00	445,518,887.00
								28 263 597.00	118 509 624 309.20
Option									
Jun 2018	DAYJ	8.34 Put	110,000	1125.4520	1379.8041	0.0000	0.0000	0	0.00
			<u>110,000</u>					<u>0.00</u>	<u>0.00</u>
								110 000.00	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Total			110,000					0.00	0.00	110 000.00	0.00
Future											
	Jun 2018	EUUS	Future	135	1.1969	1.1990	1.1975	1.1975	15	179,625.00	
				135					15.00	179,625.00	7 971 329 037.00
			Total	135					15.00	179,625.00	7 971 329 037.00
Future											
	Sep 2018	JYZA	Future	283	8.4481	8.3537	0.0000	0.0000	0	0.00	
				283					0.00	0.00	18 783.00
Option											
	Jun 2018	JYZA	8.89 Put	1,200	3510.4227	4212.0228	0.0000	0.0000	0	0.00	
				1,200					0.00	0.00	25 800.00
			Total	1,483					0.00	0.00	44 583.00
Future											
	Jun 2018	ZAAD	Future	13,367	9.5221	9.5941	9.5700	9.5700	10	95,700.00	
	Sep 2018	ZAAD	Future	850	9.6404	9.7128	0.0000	0.0000	0	0.00	
	Dec 2018	ZAAD	Future	11,312	9.7557	9.8277	0.0000	0.0000	0	0.00	
				25,529					10.00	95,700.00	3 614 340.00
			Total	25,529					10.00	95,700.00	3 614 340.00
Future											
	Jun 2018	ZACA	Future	1,500	9.8414	9.9190	0.0000	0.0000	0	0.00	
				1,500					0.00	0.00	131 193.00
			Total	1,500					0.00	0.00	131 193.00
Future											
	Jun 2018	ZAEU	Future	116,067	15.1449	15.3311	15.3001	15.1982	13,086	199,566,449.60	
	Sep 2018	ZAEU	Future	57,507	15.4313	15.6206	0.0000	0.0000	0	0.00	
	Dec 2018	ZAEU	Future	7,625	15.7157	15.9077	0.0000	0.0000	0	0.00	
	Mar 2019	ZAEU	Future	4,686	16.0314	16.2234	0.0000	0.0000	0	0.00	
	Jun 2019	ZAEU	Future	5,256	16.2985	16.4909	0.0000	0.0000	0	0.00	
				191,141					13,086.00	199,566,449.60	14 509 676.00
Option											
	Jun 2018	ZAEU	13.50 Put	29,734	4.8857	2.8770	0.0000	0.0000	0	0.00	
	Jun 2018	ZAEU	13.75 Put	50,995	8.9573	5.8027	0.0000	0.0000	0	0.00	
	Jun 2018	ZAEU	13.97 Put	6,460	14.0658	9.3280	0.0000	0.0000	0	0.00	
	Jun 2018	ZAEU	14.25 Put	29,734	25.5239	16.6008	0.0000	0.0000	0	0.00	
	Jun 2018	ZAEU	14.30 Call	10,000	873.3593	1049.5522	0.0000	0.0000	0	0.00	
	Jun 2018	ZAEU	14.40 Call	10,000	780.3546	953.9551	0.0000	0.0000	0	0.00	

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Jun 2018	ZAEU	15.00 Call	3,000	352.7334	459.5837	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	15.25 Put	50,995	342.0991	232.6994	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	15.63 Call	29,734	125.0977	166.0973	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	16.00 Call	3,000	63.6752	86.0070	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	16.44 Put	6,460	1319.9062	1142.8761	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	18.61 Call	6,460	1.8279	1.5634	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	20.55 Call	50,995	0.5630	0.8053	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	13.50 Put	29,734	20.8056	14.8067	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	14.25 Put	86,824	77.2914	46.4768	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	15.85 Put	86,824	771.0581	636.5553	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	16.76 Call	29,734	159.9517	183.1841	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	19.56 Call	86,824	17.1634	17.8880	0.0000	0.0000	0	0.00
			<u>607,507</u>					0.00	0.00
			Total	798,648				13,086.00	199,566,449.60
								22 426 945.00	206 593 669 389.80
Future									
Jun 2018	ZAFR	Future	1,215	12.6800	12.8408	0.0000	0.0000	0	0.00
			<u>1,215</u>					0.00	0.00
			Total	1,215				0.00	0.00
								609 303.00	6 506 705 521.30
Future									
Jun 2018	ZAGB	Future	430,209	17.1350	17.3503	17.2680	17.1702	2,302	39,612,710.60
Sep 2018	ZAGB	Future	17,994	17.4113	17.6294	0.0000	0.0000	0	0.00
Dec 2018	ZAGB	Future	6,367	17.6791	17.8998	17.7973	17.7966	140	2,491,582.80
Mar 2019	ZAGB	Future	4,932	17.9701	18.1926	0.0000	0.0000	0	0.00
Jun 2019	ZAGB	Future	5,465	18.2376	18.4596	0.0000	0.0000	0	0.00
			<u>464,967</u>					2,442.00	42,104,293.40
									10 769 181.00
									180 370 624 103.50
Option									
Jun 2018	ZAGB	17.50 Put	500	575.2538	437.7282	0.0000	0.0000	0	0.00
Jun 2018	ZAGB	20.40 Call	500	2.9608	4.0414	0.0000	0.0000	0	0.00
			<u>1,000</u>					0.00	0.00
			Total	465,967				2,442.00	42,104,293.40
								12 543 294.00	180 370 624 103.50
Future									
Jun 2018	ZAJY	Future	8,421	0.1162	0.1176	0.0000	0.0000	125	1,460,900.00
			<u>8,421</u>					125.00	1,460,900.00
			Total	8,421				125.00	1,460,900.00
								978 768.00	10 908 333 138.10
Future									
Jun 2018	ZAKS	Future	1,145	0.1253	0.1266	0.0000	0.0000	0	0.00
Sep 2018	ZAKS	Future	562	0.1238	0.1261	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
			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											
	Jun 2018 ZATR	Future	3,940	2.9387	2.9767	0.0000	0.0000	0	0.00		
			3,940					0.00	0.00	258 929.00	923 231 285.50
		Total	3,940					0.00	0.00	258 929.00	923 231 285.50
Future											
	Jun 2018 ZAUM	Future	402	12.6531	12.7864	12.6806	12.6480	35	44,303,150.00		
	Sep 2018 ZAUM	Future	57	12.8006	12.9352	12.8273	12.8045	10	12,815,900.00		
	Dec 2018 ZAUM	Future	15	12.9405	13.0755	12.9733	12.9733	5	6,486,650.00		
			474					50.00	63,605,700.00	149 631.00	172 281 638 050.00
		Total	474					50.00	63,605,700.00	154 154.00	172 281 638 050.00
Future											
	Jun 2018 ZAUS	Future	1,143,515	12.6531	12.7864	12.7438	12.6334	44,298	562,129,703.60		
	Sep 2018 ZAUS	Future	89,026	12.8006	12.9352	12.8812	12.7864	1,516	19,471,569.60		
	Dec 2018 ZAUS	Future	24,921	12.9405	13.0755	12.9733	12.9733	500	6,486,650.00		
	Mar 2019 ZAUS	Future	3,498	13.0869	13.2220	0.0000	0.0000	0	0.00		
	Jun 2019 ZAUS	Future	3,087	13.2212	13.3562	0.0000	0.0000	0	0.00		
			1,264,047					46,314.00	588,087,923.20	172 541 179.00	2 034 388 314 843.60
Option											
	Jun 2018 ZAUS	11.00 Put	60,750	1.2925	0.8317	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.20 Put	2,550	2.5137	1.6370	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.35 Call	10,000	1307.2144	1439.1032	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.45 Call	10,000	1208.8127	1340.1636	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.50 Put	40,216	6.7325	4.4367	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.60 Put	12,000	9.3215	6.2858	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.75 Put	60,000	15.0548	10.4656	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.77 Put	76,000	16.0345	11.1878	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.80 Put	5,500	17.6180	12.3589	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	11.90 Put	9,500	24.0245	17.1362	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.00 Call	3,000	685.6656	809.9666	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.00 Put	29,050	32.5656	23.5666	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.06 Put	150	41.8193	28.4144	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.12 Put	372	52.8803	34.1484	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.14 Put	155,500	56.9971	36.2790	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.15 Call	500	562.2386	673.7982	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.15 Put	1,000	59.1386	37.3982	0.0000	0.0000	0	0.00		
	Jun 2018 ZAUS	12.23 Call	3,000	501.4691	607.5570	0.0000	0.0000	3,000	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>
Jun 2018	ZAUS	12.25 Call	40,000	486.8795	591.5071	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	12,415	83.7795	55.1071	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Call	4,000	451.5048	552.3336	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	98.4048	65.9336	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	15,103	132.5205	91.9285	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.45 Call	150	355.1742	443.6203	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Call	6,550	326.4138	410.5086	0.0000	0.0000	8,000	0.00
Jun 2018	ZAUS	12.50 Put	115,230	173.3138	124.1086	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	306.4900	233.1750	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	449.7732	359.0870	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Call	15,500	132.6412	172.5373	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	21,228	479.5412	386.1373	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	517.7268	421.1074	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	613.3539	509.8330	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	638.0518	532.9815	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	722.3787	612.6217	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	68.3884	90.1466	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	861.8922	746.8240	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	879.7494	763.9986	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	897.6891	781.2772	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1025.3400	904.8938	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1127.7903	1004.8156	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1174.8736	1050.9114	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1184.3248	1060.1758	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1203.2607	1078.7487	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1212.7443	1088.0558	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1269.8557	1144.1795	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	18.3539	25.0725	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1365.2539	1238.6725	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1461.5481	1334.1740	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1607.3171	1478.2912	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	5.4842	7.7623	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	3.6257	5.1310	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	2.8816	4.0742	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	1.4511	2.0398	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	1.3554	1.9037	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	1.1809	1.5840	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	1.1767	1.3186	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	1.1748	1.1716	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	1.1761	1.1691	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	1.1772	1.1685	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	1.1963	1.1755	0.0000	0.0000	0	0.00

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Jun 2018	ZAUS	16.16 Call	5,183	1.2514	1.2159	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	1.2975	1.2539	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	1.3045	1.2599	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	1.2101	1.2765	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	1.1372	1.2830	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.8667	1.3133	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.4874	0.7541	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.4098	0.6378	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.2583	0.4084	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.1766	0.2829	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	34.4593	29.0868	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	35.6445	30.0944	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	46.7246	35.6622	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	73,314	68.0219	50.4152	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	85.7452	64.4821	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	95.7620	72.5249	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	118.2524	90.7992	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	741.9737	835.7851	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	20,000	191.3737	150.5851	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	209.2886	165.1577	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	240.0298	191.7262	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	591.5283	671.5214	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	4,000	290.9283	236.3214	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	342.5864	282.2284	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	362.5350	300.1105	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	456.6319	522.6987	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	443.3389	507.9120	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	472.1792	398.8245	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.88 Put	250	490.2717	414.9396	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	20,000	366.3071	418.7136	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	302.1646	345.9475	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	287.9371	329.7429	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	737.3371	644.5429	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	274.3790	314.2787	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	226.2202	259.2864	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	195.6651	224.3865	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	15.4815	19.4031	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	13.9195	17.4702	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	11.9351	15.0071	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	9.4364	11.8944	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	95.6991	79.0534	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	303.1286	0.0000	0.0000	0.0000	39,589	0.00

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Dec 2018	ZAUS	12.50 Call	150	795.0167	874.8248	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.50 Put	100	354.5167	299.3248	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.63 Put	39,589	415.3040	0.0000	0.0000	0.0000	39,589	0.00		
Dec 2018	ZAUS	13.00 Call	6,000	557.0308	616.7130	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.20 Call	7,100	483.1208	534.8635	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.80 Call	2,764	316.3103	350.4368	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.95 Call	39,589	285.2786	0.0000	0.0000	0.0000	79,178	0.00		
Dec 2018	ZAUS	14.89 Call	1,000	146.9230	163.9089	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.00 Call	1,000	135.9429	151.6218	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.95 Call	2,000	73.7814	80.9625	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	10.33 Put	1,000	9.2320	6.8980	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	11.74 Put	1,000	155.9426	127.7228	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.06 Put	4,145	241.1411	204.3673	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.76 Put	250	524.3276	461.6999	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.45 Call	4,145	571.8813	623.3164	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.48 Call	1,000	322.9200	353.7793	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.20 Call	1,000	214.8091	236.4143	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	102.5123	106.2915	0.0000	0.0000	0	0.00		
			<u>1,983,174</u>					<u>169,356.00</u>	<u>0.00</u>	<u>47 903 954.00</u>	<u>0.00</u>
	Total		3,247,221					215,670.00	588,087,923.20	220 445 133.00	2 034 388 314 843.60
Grand Total			5,740,679					266,709.00	1 340 619 478.20	301,031,710	2,829,226,079,913.88