



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 21-June-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jul 2018	DAEU	Future	34	15.8914	15.8914	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	33	15.9408	15.9428	0.0000	0.0000	0	0.00
			<u>67</u>					<u>0.00</u>	<u>0.00</u>
									<u>791 007.00</u>
									<u>11 806 212 560.60</u>
Option									
Jul 2018	DAEU	15.63 Put	10,000	150.8847	167.7567	0.0000	0.0000	0	0.00
			<u>10,000</u>					<u>0.00</u>	<u>0.00</u>
									<u>956 787.00</u>
									<u>0.00</u>
		Total	10,067					0.00	0.00
									1 747 794.00
									11 806 212 560.60
Future									
Jun 2018	DAUS	Future	4,240	13.6363	13.6713	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	13.6415	13.6766	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	55	13.6432	13.6783	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	150	13.6484	13.6835	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	13.6727	13.7080	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	13.6797	13.7150	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	13.6814	13.7167	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	845	13.6849	13.7202	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,427	13.6920	13.7273	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	55	13.6956	13.7308	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.7150	13.7502	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	5,470	13.7186	13.7537	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	600	13.7274	13.7626	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	2,602	13.7470	13.7822	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	197	13.7524	13.7875	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	3,280	13.7974	13.8322	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	13.8045	13.8393	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.8452	13.8801	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.8523	13.8872	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,363	13.8558	13.8908	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	13.8576	13.8926	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Nov 2018	DAUS	Future	70	13.8789	13.9139	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	700	13.8842	13.9192	0.0000	0.0000	700	9,798,600.00		
Nov 2018	DAUS	Future	3,117	13.9090	13.9440	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	1,830	13.9638	13.9992	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.9673	14.0028	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.0164	14.0531	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	14.0181	14.0549	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.0409	14.0782	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	14.0672	14.1051	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	14.1146	14.1536	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.1253	14.1643	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.1751	14.2144	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.2303	14.2699	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	54,000	14.2356	14.2753	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.2827	14.3220	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.3237	14.3626	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.3661	14.4045	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.4058	14.4438	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.4442	14.4817	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.4866	14.5236	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.5277	14.5642	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.5661	14.6022	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.6071	14.6428	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6482	14.6834	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6839	14.7187	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.7289	14.7632	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.8448	14.8854	0.0000	0.0000	0	0.00		
			<u>183,540</u>					<u>700.00</u>	<u>9,798,600.00</u>	<u>10 286 084.00</u>	<u>125 148 126 522.80</u>
Option											
Jun 2018	DAUS	12.22 Put	500	0.0599	0.1418	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.44 Put	109	0.3341	0.3623	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.45 Put	635	0.3548	0.3821	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.47 Put	158	0.4001	0.4248	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.52 Call	109	1116.8391	1151.8533	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.55 Call	500	1086.9440	1121.9482	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.56 Call	635	1076.9831	1111.9833	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.62 Call	158	1017.2707	1052.2366	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.85 Call	500	789.8649	824.3845	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	13.80 Put	1,000	250.4674	236.6550	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	15.62 Call	500	0.1547	0.2479	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	16.10 Call	500	0.0326	0.0487	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	11.80 Put	2,000	0.1252	0.1721	0.0000	0.0000	0	0.00		

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Jul 2018	DAUS	12.50 Put	2,000	1.1244	1.5647	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	540.8418	571.3049	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.60 Put	100,000	2.3087	2.5047	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	0.9887	0.7278	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.25 Put	20,000	46.9639	41.6114	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	219.1402	245.7957	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Put	20,000	170.7402	162.2957	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	162.3810	186.2910	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	855.0706	831.7455	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	4.8356	6.0742	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.00 Put	500	56.6024	54.2121	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.50 Call	500	406.5837	433.0645	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	376.0907	362.1581	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	10.1153	12.6414	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	3.5763	4.5367	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	7.4336	6.0873	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	431.8338	416.7333	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	10.2768	12.4735	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	107.4140	101.6470	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	456.0635	479.0507	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	443.2164	428.8643	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	37.6115	41.8465	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	21.6880	24.9147	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	221.4264	212.5569	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	144.0770	138.3249	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	492.0509	514.3737	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	486.0470	473.4309	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	60.7359	65.8851	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	39.3500	42.7698	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	182.0148	175.4930	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	529.0437	516.0783	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	531.3100	552.0628	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	86.3639	92.4154	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	63.4176	66.9725	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	30.2269	29.2362	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	568.5663	555.1667	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	75.5776	79.8828	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	6.5551	6.0980	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	23.7972	22.3353	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	936.3004	962.5875	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	212.6867	205.6358	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	561.5635	548.4235	0.0000	0.0000	0	0.00

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Nov 2018	DAUS	14.08 Call	500	557.6885	577.6363	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	106.3216	113.0170	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	81.3980	85.7895	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	491.2233	479.1592	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	216.8698	227.9777	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	238.4298	230.7837	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	587.2717	573.7625	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	584.2806	603.7859	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	127.5137	133.9190	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	99.6142	104.7113	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	261.4871	253.3074	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	602.6798	622.3530	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	280.5402	271.9704	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	619.5854	639.4148	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	299.2561	289.6264	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	635.2987	654.3457	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	317.8350	307.6109	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1191.2367	1217.4230	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	649.8255	668.7974	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	334.9452	324.4468	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	663.2807	682.0448	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	350.0772	339.6989	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	674.1936	692.9324	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	371.9164	361.2688	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	692.1842	710.7709	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	390.8459	379.4767	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	701.8308	720.0612	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	407.9920	396.2782	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	716.7265	734.8874	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	424.9818	411.1001	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	725.6683	743.4608	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	437.5767	426.8217	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	737.0808	754.9142	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	451.2939	440.3372	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	748.1230	765.6451	0.0000	0.0000	0	0.00
			<u>398,331</u>					<u>0.00</u>	<u>0.00</u>
		Total	581,871					700.00	9,798,600.00
									29 315 166.00
									125 148 126 522.80
Future									
Sep 2018	EUUS	Future	2,723	1.1684	1.1656	1.1701	1.1599	6,494	75,523,577.00
			<u>2,723</u>					<u>6,494.00</u>	<u>75,523,577.00</u>
									<u>720 726.00</u>
									<u>8 167 993 142.00</u>

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Total			2,723					6,494.00	75,523,577.00	720 726.00	8 167 993 142.00
Future											
Sep 2018	JYZA	Future	0	7.9371	7.9249	0.0000	0.0000	566	5,543,377.52		
			0					566.00	5,543,377.52	20 549.00	203 689 390.50
Total			0					566.00	5,543,377.52	296 349.00	203 689 390.50
Future											
Sep 2018	ZAAD	Future	8,621	10.1715	10.1876	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	11,412	10.2940	10.3087	10.2807	10.2807	5	51,403.50		
Jun 2019	ZAAD	Future	4,929	10.5585	10.5773	0.0000	0.0000	0	0.00		
			24,962					5.00	51,403.50	3 678 969.00	31 942 558 329.90
Total			24,962					5.00	51,403.50	3 711 346.00	31 942 558 329.90
Future											
Dec 2018	ZACA	Future	500	10.5034	10.5376	0.0000	0.0000	0	0.00		
			500					0.00	0.00	136 153.00	1 339 439 627.10
Total			500					0.00	0.00	136 153.00	1 339 439 627.10
Future											
Sep 2018	ZAEU	Future	134,908	16.0979	16.0993	16.1100	16.0116	606	9,734,498.80		
Dec 2018	ZAEU	Future	19,006	16.3953	16.3961	16.3690	16.3416	750	12,269,900.00		
Mar 2019	ZAEU	Future	4,808	16.7278	16.7329	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	17.0473	17.0526	0.0000	0.0000	0	0.00		
			163,978					1,356.00	22,004,398.80	15 017 434.00	214 437 113 366.20
Option											
Sep 2018	ZAEU	13.50 Put	29,734	9.3318	9.8401	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	86,688	20.9917	23.7800	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	372.0992	383.7071	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	285.7098	298.9877	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	24.4517	27.3192	0.0000	0.0000	0	0.00		
			319,804					0.00	0.00	7 964 516.00	0.00
Total			483,782					1,356.00	22,004,398.80	22 981 950.00	214 437 113 366.20
Future											
Sep 2018	ZAFR	Future	1,215	13.9962	13.9813	0.0000	0.0000	0	0.00		
			1,215					0.00	0.00	612 948.00	6 555 963 200.80
Total			1,215					0.00	0.00	612 948.00	6 555 963 200.80
Future											
Sep 2018	ZAGB	Future	225,032	18.3343	18.2713	18.3399	18.2712	1,383	25,300,195.70		

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Dec 2018	ZAGB	Future	7,437	18.6175	18.5554	18.6050	18.5916	648	12,054,358.20		
Mar 2019	ZAGB	Future	4,932	18.9298	18.8731	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,543	19.2254	19.1711	0.0000	0.0000	0	0.00		
			<u>243,944</u>					<u>2,031.00</u>	<u>37,354,553.90</u>	<u>11 888 897.00</u>	<u>200 121 402 763.20</u>
	Total		243,944					2,031.00	37,354,553.90	13 663 010.00	200 121 402 763.20
Future											
Sep 2018	ZAJY	Future	115	0.1260	0.1262	0.0000	0.0000	0	0.00		
			<u>115</u>					<u>0.00</u>	<u>0.00</u>	<u>993 919.00</u>	<u>11 089 418 491.40</u>
	Total		115					0.00	0.00	993 919.00	11 089 418 491.40
Future											
Sep 2018	ZAKS	Future	562	0.1347	0.1344	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,093	0.1316	0.1331	0.0000	0.0000	0	0.00		
			<u>1,655</u>					<u>0.00</u>	<u>0.00</u>	<u>35 358.00</u>	<u>476 333 960.00</u>
	Total		1,655					0.00	0.00	35 358.00	476 333 960.00
Future											
Sep 2018	ZATR	Future	12,775	2.8039	2.8078	0.0000	0.0000	0	0.00		
			<u>12,775</u>					<u>0.00</u>	<u>0.00</u>	<u>289 254.00</u>	<u>1 008 061 782.50</u>
	Total		12,775					0.00	0.00	289 254.00	1 008 061 782.50
Future											
Sep 2018	ZAUM	Future	346	13.7776	13.8126	0.0000	0.0000	140	192,332,000.00		
Dec 2018	ZAUM	Future	10	13.9338	13.9689	0.0000	0.0000	0	0.00		
			<u>356</u>					<u>140.00</u>	<u>192,332,000.00</u>	<u>151 844.00</u>	<u>175 139 274 500.00</u>
	Total		356					140.00	192,332,000.00	156 367.00	175 139 274 500.00
Future											
Sep 2018	ZAUS	Future	594,678	13.7776	13.8126	13.9350	13.7177	107,272	1,477,673,658.10		
Dec 2018	ZAUS	Future	74,065	13.9338	13.9689	14.0706	13.9635	1,427	19,992,777.00		
Mar 2019	ZAUS	Future	5,690	14.0988	14.1374	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	Future	14,610	14.2552	14.2950	0.0000	0.0000	0	0.00		
			<u>689,043</u>					<u>108,699.00</u>	<u>1,497,666,435.10</u>	<u>177 680 255.00</u>	<u>2 102 012 343 117.50</u>
Option											
Sep 2018	ZAUS	11.48 Put	5,200	7.4618	6.9329	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.50 Put	45,000	7.6915	7.1487	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.60 Put	2,000	8.9534	8.3340	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.75 Put	93,314	11.2551	10.4996	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.85 Put	48,200	13.1185	12.2551	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.90 Put	3,000	14.1665	13.2426	0.0000	0.0000	0	0.00		

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Sep 2018	ZAUS	12.00 Put	13,300	16.5269	15.4694	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	1551.9663	1585.4754	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	24.3663	22.8754	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	26.3465	24.7483	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	29.8662	28.0785	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	1318.2513	1350.9572	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	34,000	40.6513	38.3572	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	50.1530	47.4433	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	54.1189	51.2433	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	59.7689	56.6594	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	1086.9596	1118.0817	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	1062.5129	1093.4274	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	94.7847	90.3392	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	906.8749	936.2442	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	766.9862	794.6060	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	189.3862	182.0060	0.0000	0.0000	4,000	0.00
Sep 2018	ZAUS	13.22 Put	26,000	196.4240	188.8621	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	734.8795	762.0437	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	207.2795	199.4437	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	589.2088	614.0065	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	537.7796	561.6045	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	360.1796	349.0045	0.0000	0.0000	4,000	0.00
Sep 2018	ZAUS	13.65 Call	1,464	513.4914	536.8245	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	593.6787	578.4192	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	148.4242	0.0000	0.0000	0.0000	8,000	0.00
Sep 2018	ZAUS	15.97 Call	5,300	61.3081	66.9423	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	57.6235	62.9931	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	52.7817	57.7938	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	46.3501	50.8746	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	27.0389	25.3794	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	231,517	32.8083	30.8884	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	42.3265	40.0028	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	49.8788	47.2531	0.0000	0.0000	170	0.00
Dec 2018	ZAUS	12.02 Put	5,500	51.5170	48.8278	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	58.5213	55.5661	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	68.3624	0.0000	0.0000	0.0000	7,300	0.00
Dec 2018	ZAUS	12.25 Put	3,300	73.7691	0.0000	0.0000	0.0000	3,300	0.00
Dec 2018	ZAUS	12.38 Put	39,589	89.4741	85.4443	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	231,517	1540.0645	1570.6016	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	106.2645	101.7016	0.0000	0.0000	20,000	0.00
Dec 2018	ZAUS	12.63 Put	39,589	130.1983	124.9419	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	141.1146	135.5613	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	12.75 Put	5,500	157.4351	151.4563	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1159.8604	1187.3592	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	190,030	226.0604	218.4592	0.0000	0.0000	10,170	0.00
Dec 2018	ZAUS	13.10 Put	11,300	258.2070	249.9182	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1026.9065	1053.0204	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	300.4189	291.2932	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	995.4067	1021.1654	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	3,300	311.6067	302.2654	0.0000	0.0000	3,300	0.00
Dec 2018	ZAUS	13.45 Put	4,080	397.4363	386.7311	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	231,517	854.5086	878.5649	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	420.7086	409.6649	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	520.8371	0.0000	0.0000	0.0000	7,300	0.00
Dec 2018	ZAUS	13.78 Call	100	717.7505	739.9368	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	563.9505	551.0368	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	569.4591	556.4815	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	708.7939	730.8486	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	644.8990	665.9865	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	11,000	625.0310	645.7759	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	576.1708	596.0368	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	508.4265	526.9965	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	474.7323	492.6147	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	429.8652	446.7894	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	427.2140	444.0788	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	424.5840	441.3897	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	404.2648	0.0000	0.0000	0.0000	40,000	0.00
Dec 2018	ZAUS	14.75 Call	127,100	392.1523	408.1765	0.0000	0.0000	170	0.00
Dec 2018	ZAUS	14.84 Call	1,000	371.3520	386.8491	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	21,600	337.3607	351.9621	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	335.3562	349.9029	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	319.8052	333.9217	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	308.6824	322.4848	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	253.3278	265.4785	0.0000	0.0000	6,600	0.00
Dec 2018	ZAUS	15.50 Call	1,000	250.1971	262.2488	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	221.1087	232.2090	0.0000	0.0000	14,600	0.00
Dec 2018	ZAUS	15.95 Call	0	189.8557	199.8709	0.0000	0.0000	4,000	0.00
Dec 2018	ZAUS	16.00 Call	10,000	184.2153	194.0257	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	7.2457	6.4354	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	40.5526	36.7668	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	75.8676	70.5019	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	1112.2175	1137.5841	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	468.0135	0.0000	0.0000	0.0000	20,000	0.00
Mar 2019	ZAUS	13.75 Put	17,981	611.6831	596.5993	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	14.48 Call	1,000	671.0016	690.6615	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.96 Call	17,981	532.2824	549.4803	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.45 Call	20,000	424.2940	0.0000	0.0000	0.0000	20,000	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	12.9507	10.7305	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	127.6867	116.8270	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	258.8884	248.6488	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	335.3060	325.0356	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	427.9629	416.6603	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	697.9657	682.4735	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	12,450	724.9218	709.1430	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	822.8931	843.7541	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	745.2670	765.0728	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	557.7765	574.5679	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	12,450	542.9978	559.5449	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	506.1014	522.4943	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	482.6132	498.4055	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	23.5417	21.2182	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	222.1937	214.7021	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	651.3750	668.6807	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	275.3722	287.1214	0.0000	0.0000	0	0.00		
			<u>2,552,637</u>					<u>172,910.00</u>	<u>0.00</u>	<u>50 643 988.00</u>	<u>0.00</u>
		Total	3,241,680					281,609.00	1,497,666,435.10	228 324 243.00	2 102 012 343 117.50
Grand Total			4,605,645					292,901.00	1 840 274 345.82	312,052,824	2,935,209,058,291.62