



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 31-May-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jul 2018	DAEU	Future	34	14.8907	14.7342	0.0000	0.0000	0	0.00
			34					0.00	0.00
		Total	34					0.00	0.00
									790 974.00
									11 805 710 627.30
									1 737 761.00
									11 805 710 627.30
Future									
May 2018	DAUS	Future	0	12.6320	12.5711	0.0000	0.0000	1,181	14,918,392.00
Jun 2018	DAUS	Future	1,746	12.6497	12.5813	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	20	12.3509	12.3509	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	5,947	12.6698	12.6013	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	3,981	12.6848	12.6163	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	12.6898	12.6213	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	12.7198	12.6512	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	12.7264	12.6579	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	12.7281	12.6595	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,345	12.7314	12.6629	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,515	12.7381	12.6695	0.0000	0.0000	500	6,373,000.00
Aug 2018	DAUS	Future	70	12.7598	12.6911	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,479	12.7900	12.7209	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	177	12.4777	12.4777	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	2,695	12.8358	12.7667	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	12.8798	12.8108	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	12.8863	12.8173	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,113	12.8896	12.8206	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	12.9108	12.8418	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	2,812	12.9385	12.8696	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	1,580	12.9891	12.9199	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	13.0397	12.9703	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	13.0610	12.9914	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	1,225	13.0855	13.0158	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	13.1298	13.0599	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>
Apr 2019	DAUS	Future	1,225	13.1856	13.1154	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	13.8939	13.8264	0.0000	0.0000	0	0.00
			<u>124,474</u>					<u>1,681.00</u>	<u>21,291,392.00</u>
									<u>10 138 581.00</u>
									<u>123 175 083 889.90</u>
Option									
Jun 2018	DAUS	12.80 Call	1,746	58.7491	52.5482	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.22 Put	500	42.4538	65.0256	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.44 Put	109	101.4350	136.9387	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.45 Put	635	104.9712	141.0563	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.47 Put	158	112.2814	149.5166	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.52 Call	109	296.7358	268.2879	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.55 Call	500	279.4806	252.6723	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.56 Call	635	273.8882	247.6169	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.62 Call	158	241.9912	219.3183	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.85 Call	500	148.0152	137.2978	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1131.1024	1200.5146	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	0.5090	0.7155	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	0.5546	0.8298	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	10.1346	13.8546	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	129.7030	168.0904	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	88.8842	84.5875	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	29.5803	44.7602	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	38.5574	37.6842	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	29.3957	29.0480	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1739.3720	1806.6661	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	2.0437	2.3265	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1126.4493	1191.9623	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	2.9888	3.2133	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	2.2983	2.4074	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	134.9172	162.8275	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1180.7736	1246.1369	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	2.8782	2.9398	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	1129.0240	1192.7322	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	7.2436	6.7119	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	3.3558	3.0086	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	1134.2368	1195.7326	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	10.0504	9.2519	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	4.0229	3.7575	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	1140.3372	1199.6305	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	27.7273	27.4193	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	17.1057	16.2781	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	109.8542	127.1175	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	1189.5091	1248.9356	0.0000	0.0000	0	0.00

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Nov 2018	DAUS	16.81 Call	1,880	24.1257	22.5060	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	10.83 Put	51,000	19.0745	20.3934	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	11.67 Put	51,000	73.7385	86.7139	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	13.22 Call	51,000	410.1408	391.2115	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	13.80 Put	1,000	1145.4092	1203.0120	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	16.70 Call	500	39.8573	40.2179	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	17.31 Call	500	23.8371	22.5613	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	13.65 Put	20,000	1031.7631	1087.2748	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	15.69 Call	20,000	80.2669	77.8783	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	13.80 Put	1,000	1149.5130	1206.1337	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	16.93 Call	500	53.6006	49.7979	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	17.58 Call	500	30.9502	28.6184	0.0000	0.0000	0	0.00	
Apr 2019	DAUS	13.00 Put	2,500	648.4358	690.6501	0.0000	0.0000	0	0.00	
Apr 2019	DAUS	13.49 Call	2,500	644.7830	623.4495	0.0000	0.0000	0	0.00	
			<u>241,330</u>					0.00	0.00	18 724 403.00
	Total		365,804					1,681.00	21,291,392.00	28 862 984.00 123 175 083 889.90
Future										
Jun 2018	EUUS	Future	280	1.1686	1.1625	0.0000	0.0000	0	0.00	
			<u>280</u>					0.00	0.00	709 146.00 8 033 145 032.00
	Total		280					0.00	0.00	709 146.00 8 033 145 032.00
Future										
Sep 2018	JYZA	Future	283	8.4033	8.4763	0.0000	0.0000	0	0.00	
			<u>283</u>					0.00	0.00	18 783.00 186 145 988.86
Option										
Jun 2018	JYZA	8.79 Call	50,000	375.9678	589.2517	0.0000	0.0000	0	0.00	
Jun 2018	JYZA	8.89 Put	1,200	3509.0425	2895.6249	0.0000	0.0000	0	0.00	
Sep 2018	JYZA	8.17 Put	50,000	2082.4655	1905.4273	0.0000	0.0000	0	0.00	
			<u>101,200</u>					0.00	0.00	175 800.00 0.00
	Total		101,483					0.00	0.00	194 583.00 186 145 988.86
Future										
Jun 2018	ZAAD	Future	15,640	9.5925	9.5171	9.5885	9.5162	550	5,247,605.00	
Sep 2018	ZAAD	Future	800	9.7130	9.6366	9.7101	9.7101	150	1,456,515.00	
Dec 2018	ZAAD	Future	11,412	9.8306	9.7523	0.0000	0.0000	0	0.00	
			<u>27,852</u>					700.00	6,704,120.00	3 629 346.00 31 442 175 434.20
	Total		27,852					700.00	6,704,120.00	3 661 723.00 31 442 175 434.20
Future										
Jun 2018	ZACA	Future	2,080	9.7691	9.7865	0.0000	0.0000	0	0.00	

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			2,080					0.00	0.00	132 343.00	1 300 163 420.10
	Total		2,080					0.00	0.00	132 343.00	1 300 163 420.10
Future											
Jun 2018	ZAEU	Future	112,445	14.8015	14.6454	14.7790	14.7113	4,854	71,614,798.30		
Sep 2018	ZAEU	Future	60,908	15.0863	14.9277	15.0650	15.0525	332	4,992,864.20		
Dec 2018	ZAEU	Future	8,375	15.3664	15.2055	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	Future	4,808	15.6783	15.5106	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	15.9626	15.7890	0.0000	0.0000	0	0.00		
			191,792					5,186.00	76,607,662.50	14 607 936.00	208 051 696 359.30
Option											
Jun 2018	ZAEU	13.50 Put	29,734	1.3206	2.7589	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.75 Put	50,948	3.0949	5.3730	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.97 Put	6,460	6.7211	12.3670	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.25 Put	29,734	24.0102	47.6896	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.30 Call	10,000	531.5286	403.8958	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.40 Call	10,000	447.2498	330.8021	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.00 Call	3,000	105.8954	73.1974	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.25 Put	50,948	500.4477	640.4690	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.63 Call	29,734	16.7678	12.1233	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	16.00 Call	3,000	5.8812	4.4457	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	16.44 Put	6,460	1640.4073	1796.2351	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	18.61 Call	6,460	0.1405	0.1330	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	20.55 Call	50,948	0.0039	0.0017	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	13.50 Put	29,734	19.8531	29.2590	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	86,688	120.0127	164.9877	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	986.6659	1113.3800	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	92.2241	76.7021	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	8.8081	8.0692	0.0000	0.0000	0	0.00		
			607,230					0.00	0.00	7 919 774.00	0.00
	Total		799,022					5,186.00	76,607,662.50	22 527 710.00	208 051 696 359.30
Future											
Jun 2018	ZAFR	Future	1,215	12.8954	12.7479	0.0000	0.0000	0	0.00		
			1,215					0.00	0.00	609 303.00	6 506 705 521.30
	Total		1,215					0.00	0.00	609 303.00	6 506 705 521.30
Future											
Jun 2018	ZAGB	Future	436,736	16.8743	16.7362	16.8073	16.6791	1,315	22,042,735.50		
Sep 2018	ZAGB	Future	18,594	17.1523	17.0125	17.1073	17.0304	3,100	52,950,570.00		
Dec 2018	ZAGB	Future	7,517	17.4202	17.2796	17.3793	17.3741	1,000	17,376,700.00		

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Mar 2019	ZAGB	Future	4,932	17.7125	17.5690	0.0000	0.0000	0	0.00
Jun 2019	ZAGB	Future	5,465	17.9846	17.8367	0.0000	0.0000	0	0.00
			<u>473,244</u>					<u>5,415.00</u>	<u>92,370,005.50</u>
Option									<u>10 814 733.00</u>
Jun 2018	ZAGB	17.50 Put	500	671.2602	800.8104	0.0000	0.0000	0	0.00
Jun 2018	ZAGB	20.40 Call	500	0.3937	0.4506	0.0000	0.0000	0	0.00
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>
Total			474,244					5,415.00	92,370,005.50
									<u>12 588 846.00</u>
									<u>181 144 262 365.30</u>
Future									
Jun 2018	ZAJY	Future	8,296	0.1168	0.1158	0.0000	0.0000	0	0.00
			<u>8,296</u>					<u>0.00</u>	<u>0.00</u>
Total			8,296					0.00	0.00
									<u>985 278.00</u>
									<u>10 983 324 643.00</u>
Future									
Jun 2018	ZAKS	Future	1,145	0.1245	0.1238	0.0000	0.0000	0	0.00
Sep 2018	ZAKS	Future	562	0.1240	0.1234	0.0000	0.0000	0	0.00
			<u>1,707</u>					<u>0.00</u>	<u>0.00</u>
Total			1,707					0.00	0.00
									<u>31 923.00</u>
									<u>432 652 210.00</u>
Future									
Jun 2018	ZATR	Future	3,940	2.7714	2.7977	0.0000	0.0000	0	0.00
Sep 2018	ZATR	Future	2,500	2.7073	2.7334	0.0000	0.0000	0	0.00
			<u>6,440</u>					<u>0.00</u>	<u>0.00</u>
Total			6,440					0.00	0.00
									<u>261 429.00</u>
									<u>930 020 035.50</u>
Future									
Jun 2018	ZAUM	Future	429	12.6664	12.5980	0.0000	0.0000	10	12,627,500.00
Sep 2018	ZAUM	Future	47	12.8179	12.7488	0.0000	0.0000	0	0.00
Dec 2018	ZAUM	Future	10	12.9613	12.8923	0.0000	0.0000	0	0.00
			<u>486</u>					<u>10.00</u>	<u>12,627,500.00</u>
Total			486					10.00	12,627,500.00
									<u>155 333.00</u>
									<u>173 764 221 800.00</u>
Future									
Jun 2018	ZAUS	Future	1,176,469	12.6664	12.5980	12.6908	12.4848	72,020	908,490,649.60
Sep 2018	ZAUS	Future	90,343	12.8179	12.7488	12.7752	12.6333	3,958	50,075,588.20
Dec 2018	ZAUS	Future	25,881	12.9613	12.8923	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	Future	4,948	13.1150	13.0452	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	Future	3,087	13.2575	13.1870	0.0000	0.0000	0	0.00
			<u>1,300,728</u>					<u>75,978.00</u>	<u>958,566,237.80</u>
Total									<u>173 804 987.00</u>
									<u>2 050 278 271 692.60</u>
Option									

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Jun 2018	ZAUS	11.00 Put	60,750	0.2599	0.4198	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.20 Put	2,550	0.5103	0.9179	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.35 Call	10,000	1317.2586	1249.6489	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.45 Call	10,000	1217.5998	1150.0176	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	40,216	1.4086	2.2416	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.60 Put	12,000	1.9548	2.7953	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.75 Put	60,000	3.2549	4.0063	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.77 Put	76,000	3.4898	4.2156	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.80 Put	5,500	3.8774	4.5567	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.90 Put	9,500	5.5446	5.9833	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Call	3,000	674.4147	607.9665	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	38,700	8.0147	9.9665	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.06 Put	150	11.5227	14.9589	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.12 Put	372	16.2369	21.7328	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.14 Put	155,500	18.1244	24.4482	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Call	500	535.5337	473.8983	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Put	1,000	19.1337	25.8983	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.20 Call	40,000	491.2907	432.1443	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.23 Call	3,000	465.3660	407.9407	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Call	40,000	448.3662	392.1832	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	12,415	31.9662	44.1832	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Call	4,000	406.9441	354.1857	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	40.5441	56.1857	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	15,103	62.9277	86.6405	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.45 Call	150	293.4674	253.2880	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Call	3,250	259.7650	224.2900	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	115,230	93.3650	126.2900	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.55 Call	80,000	228.3343	197.6546	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Call	4,000	131.2626	116.5762	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	214.8626	268.5762	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	364.8754	426.6074	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Call	15,500	63.1881	57.5488	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	21,228	396.7881	459.5488	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	437.8834	501.7489	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	541.1261	606.9476	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	567.7925	633.9769	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	658.6480	725.4547	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	21.1771	19.9245	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	808.1738	875.8552	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	827.2096	894.9622	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	846.3071	914.1249	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	981.4391	1049.5708	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>
Jun 2018	ZAUS	13.75 Put	2,415	1088.9520	1157.2131	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1138.0990	1206.3976	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1147.9454	1216.2504	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1167.6539	1235.9705	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1177.5156	1245.8375	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1236.7802	1305.2613	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	2.4138	2.5381	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1336.0138	1404.5381	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1435.4485	1503.9932	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1584.8600	1653.4106	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	0.6507	0.7803	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	0.4414	0.5523	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	0.3601	0.4611	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	0.2052	0.2808	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	0.1948	0.2682	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	0.1719	0.2380	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	0.1580	0.2121	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.1390	0.1775	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.1304	0.1620	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	0.1270	0.1559	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	0.1032	0.1144	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	0.0817	0.0785	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	0.0732	0.0647	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.0722	0.0617	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.0625	0.0478	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.0568	0.0433	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.0374	0.0284	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.0154	0.0115	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.0118	0.0088	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.0058	0.0043	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.0032	0.0023	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	22.8908	30.8876	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	23.6569	31.9577	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	32.4133	42.5089	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	50.0052	63.1511	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	65.1972	80.5576	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	73.9537	90.4653	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	93.9701	112.8523	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	728.8794	686.3649	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	160.9794	187.5649	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	177.6507	205.8906	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	206.5138	237.4075	0.0000	0.0000	0	0.00

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Sep 2018	ZAUS	12.40 Put	250	214.1514	245.7095	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	572.7978	538.5450	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	34,000	254.8978	289.7450	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	290.5400	327.9736	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	304.5993	342.9853	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	323.9293	363.5697	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	433.7427	408.3010	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	420.1234	396.1222	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	431.3256	477.7678	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	342.1584	323.2368	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	278.0679	263.4109	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	263.9807	250.2660	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	696.0807	751.4660	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	250.6052	237.7824	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	203.5535	193.6330	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	174.1805	165.9643	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	12.1426	11.6376	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	10.9002	10.4654	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	9.3284	8.9800	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	7.3605	7.1160	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	82.8820	95.7843	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	232,078	102.1986	117.5214	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	282.3509	311.8060	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	232,078	793.7786	757.2452	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	10,100	332.4786	364.9452	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	392.0539	427.7239	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	551.9887	527.5042	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	477.2033	456.5602	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	460.1296	440.3778	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	232,078	383.5962	367.8964	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	2,764	309.6214	297.6055	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	278.7596	268.1488	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	1,500	269.2490	259.0691	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	1,000	131.8448	127.0496	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.95 Call	2,000	72.1419	70.0400	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	9.9911	9.8027	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	142.0058	159.0626	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	223.8294	246.9320	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.76 Put	250	504.0907	541.7803	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	578.2182	557.5477	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	328.3926	317.3285	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Call	1,000	221.1118	213.4102	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	10.69 Put	1,000	16.7549	18.6655	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.28 Put	1,000	337.3173	364.9846	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.58 Call	1,000	440.7161	427.6888	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	119.4039	115.9803	0.0000	0.0000	0	0.00	
			<u>2,921,108</u>					<u>0.00</u>	<u>0.00</u>	<u>49 004 352.00</u>
		Total	4,221,836					75,978.00	958,566,237.80	222 809 339.00
										2 050 278 271 692.60

Grand Total			6,010,779					88,970.00	1 168 166 917.80	304,335,942	2,853,794,706,556.48
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