



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 23-May-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
May 2018	DAEU	Future	0	14.7202	14.8193	0.0000	0.0000	41	606,390.00
Jul 2018	DAEU	Future	34	14.8721	14.9812	0.0000	0.0000	0	0.00
			<u>34</u>					<u>41.00</u>	<u>606,390.00</u>
		Total	34					41.00	606,390.00
									<i>790 974.00</i>
									<i>11 805 710 627.30</i>

Future									
May 2018	DAUS	Future	0	12.5733	14.7900	0.0000	0.0000	41	606,390.00
May 2018	DAUS	Future	20,000	12.5704	12.5867	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	30,000	12.5756	12.5926	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	270	12.5773	12.5956	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,746	12.5884	12.6094	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	12.6114	12.6304	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,981	12.6277	12.6458	0.0000	0.0000	2,000	25,304,400.00
Jul 2018	DAUS	Future	100	12.6327	12.6508	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	12.6629	12.6807	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	12.6696	12.6873	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	12.6713	12.6890	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,345	12.6745	12.6923	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,515	12.6810	12.6988	0.0000	0.0000	500	6,373,000.00
Aug 2018	DAUS	Future	70	12.7020	12.7201	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,479	12.7310	12.7493	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	12.7757	12.7937	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	12.8187	12.8366	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	12.8250	12.8429	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,113	12.8282	12.8461	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	12.8489	12.8667	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	2,812	12.8759	12.8936	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Dec 2018	DAUS	Future	1,580	12.9241	12.9425	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	12.9722	12.9913	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	12.9925	13.0117	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	1,225	13.0158	13.0353	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.0577	13.0774	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,225	13.1106	13.1305	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	13.8251	13.8430	0.0000	0.0000	0	0.00		
			<u>172,744</u>					<u>2,541.00</u>	<u>32,283,790.00</u>	<u>9 968 900.00</u>	<u>121 053 976 297.90</u>
Option											
May 2018	DAUS	12.37 Call	30,000	214.0866	235.5776	0.0000	0.0000	0	0.00		
May 2018	DAUS	12.60 Call	80,000	58.2741	74.0270	0.0000	0.0000	0	0.00		
May 2018	DAUS	12.60 Call	40,000	80.9791	96.1244	0.0000	0.0000	0	0.00		
May 2018	DAUS	12.45 Call	40,000	181.7934	199.2062	0.0000	0.0000	0	0.00		
May 2018	DAUS	12.46 Call	30,000	174.7861	192.1452	0.0000	0.0000	0	0.00		
May 2018	DAUS	12.24 Put	118	23.9457	24.1417	0.0000	0.0000	0	0.00		
May 2018	DAUS	12.55 Call	118	135.5638	151.1217	0.0000	0.0000	0	0.00		
May 2018	DAUS	12.60 Put	270	132.1140	128.3333	0.0000	0.0000	0	0.00		
May 2018	DAUS	12.69 Call	270	76.4355	88.0063	0.0000	0.0000	0	0.00		
May 2018	DAUS	12.75 Call	118	59.4841	69.1248	0.0000	0.0000	0	0.00		
May 2018	DAUS	13.80 Put	1,000	1223.6002	1205.5427	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.43 Call	500	0.0460	0.0523	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.89 Call	500	0.1617	0.1822	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.80 Call	1,746	91.5043	101.7443	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.47 Put	158	174.8745	168.6284	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.62 Call	158	256.5267	266.4178	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	13.80 Put	1,000	1200.3072	1183.8966	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	15.62 Call	500	1.1572	1.0895	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	16.10 Call	500	1.2095	1.1296	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	11.80 Put	2,000	21.3268	20.0771	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	12.50 Put	2,000	193.2116	186.5814	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.12 Call	2,000	111.3414	116.2345	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	12.07 Put	2,000	59.5347	57.5443	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.60 Call	1,000	54.1433	56.5115	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.73 Call	1,000	43.0833	45.0291	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.45 Put	1,500	1803.1101	1787.5098	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	3.3846	2.9859	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	1197.8899	1181.8574	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	4.8204	4.5229	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	2.9018	2.2182	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	182.5006	175.1700	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	1252.3983	1235.8958	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
Aug 2018	DAUS	16.18 Call	1,880	3.9533	3.2433	0.0000	0.0000	0	0.00			
Aug 2018	DAUS	13.80 Put	1,000	1203.4927	1186.5937	0.0000	0.0000	0	0.00			
Aug 2018	DAUS	16.05 Call	500	9.3286	8.2077	0.0000	0.0000	0	0.00			
Aug 2018	DAUS	16.57 Call	500	4.1990	3.1460	0.0000	0.0000	0	0.00			
Sep 2018	DAUS	13.80 Put	1,000	1209.5480	1193.3625	0.0000	0.0000	0	0.00			
Sep 2018	DAUS	16.25 Call	500	18.7206	21.9145	0.0000	0.0000	0	0.00			
Sep 2018	DAUS	16.80 Call	500	10.4535	13.4052	0.0000	0.0000	0	0.00			
Oct 2018	DAUS	13.80 Put	1,000	1216.5562	1200.9650	0.0000	0.0000	0	0.00			
Oct 2018	DAUS	16.47 Call	500	35.5767	37.2484	0.0000	0.0000	0	0.00			
Oct 2018	DAUS	17.02 Call	500	22.6435	24.0092	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	11.90 Put	1,880	144.3764	138.1604	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	13.86 Put	1,880	1265.8316	1250.2553	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	16.81 Call	1,880	30.6213	32.1098	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	10.83 Put	51,000	23.7550	21.7523	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	11.67 Put	51,000	101.2695	96.4276	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	13.22 Call	51,000	421.2114	425.2650	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	13.80 Put	1,000	1222.9659	1207.6238	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	16.70 Call	500	48.7251	49.7778	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	17.31 Call	500	28.9647	29.6553	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	13.65 Put	20,000	1109.3930	1093.9876	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	15.69 Call	20,000	91.0529	91.6624	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	13.80 Put	1,000	1229.0290	1212.5945	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	16.93 Call	500	59.5047	61.0696	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	17.58 Call	500	35.2901	36.3078	0.0000	0.0000	0	0.00			
Apr 2019	DAUS	13.00 Put	2,500	725.9420	709.6261	0.0000	0.0000	0	0.00			
Apr 2019	DAUS	13.49 Call	2,500	653.4339	655.6409	0.0000	0.0000	0	0.00			
			<u>461,236</u>					<u>0.00</u>	<u>0.00</u>	<u>18 721 415.00</u>	<u>0.00</u>	
		Total	633,980					2,541.00	32,283,790.00	28 690 315.00	121 053 976 297.90	
Future												
	Jun 2018	EUUS	Future	230	1.1721	1.1793	1.1729	1.1729	10	117,290.00		
				<u>230</u>					<u>10.00</u>	<u>117,290.00</u>	<u>709 096.00</u>	<u>8 032 562 762.00</u>
		Total	230						10.00	117,290.00	709 096.00	8 032 562 762.00
Future												
	Sep 2018	JYZA	Future	283	8.5483	8.6187	0.0000	0.0000	0	0.00		
				<u>283</u>					<u>0.00</u>	<u>0.00</u>	<u>18 783.00</u>	<u>186 145 988.86</u>
Option												
	Jun 2018	JYZA	8.79 Call	50,000	1039.3663	1394.4393	0.0000	0.0000	0	0.00		
	Jun 2018	JYZA	8.89 Put	1,200	2454.4394	2034.6966	0.0000	0.0000	0	0.00		
	Sep 2018	JYZA	8.17 Put	50,000	1819.7489	1713.3542	0.0000	0.0000	0	0.00		

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			101,200					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	14,635	9.5193	9.5806	9.5337	9.5337	250	2,383,425.00		
Sep 2018	ZAAD	Future	750	9.6404	9.7012	9.6546	9.6546	250	2,413,650.00		
Dec 2018	ZAAD	Future	11,412	9.7560	9.8170	0.0000	0.0000	0	0.00		
			26,797					500.00	4,797,075.00	3 625 526.00	31 405 921 683.70
	Total		26,797					500.00	4,797,075.00	3 657 903.00	31 405 921 683.70
Future											
Jun 2018	ZACA	Future	1,950	9.7953	9.8874	0.0000	0.0000	0	0.00		
			1,950					0.00	0.00	132 193.00	1 298 704 672.10
	Total		1,950					0.00	0.00	132 193.00	1 298 704 672.10
Future											
Jun 2018	ZAEU	Future	112,093	14.7774	14.8906	14.9526	14.7818	1,376	20,459,531.20		
Sep 2018	ZAEU	Future	60,512	15.0653	15.1756	15.1437	15.0588	670	10,131,846.00		
Dec 2018	ZAEU	Future	7,625	15.3414	15.4532	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	Future	4,686	15.6490	15.7649	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	15.9252	16.0407	0.0000	0.0000	0	0.00		
			190,172					2,046.00	30,591,377.20	14 560 565.00	207 355 097 443.60
Option											
Jun 2018	ZAEU	13.50 Put	29,734	4.2634	3.6702	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.75 Put	50,948	7.3901	6.2730	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.97 Put	6,460	12.5464	10.4518	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.25 Put	29,734	41.4038	27.0643	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.30 Call	10,000	528.5886	624.7086	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.40 Call	10,000	452.8682	542.7400	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.00 Call	3,000	147.4251	190.7140	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.25 Put	50,948	559.0668	474.3034	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.63 Call	29,734	36.6335	50.9630	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	16.00 Call	3,000	14.6891	20.9722	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	16.44 Put	6,460	1667.8065	1556.5155	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	18.61 Call	6,460	0.2318	0.3412	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	20.55 Call	50,948	0.0042	0.0109	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	13.50 Put	29,734	28.3056	26.9191	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	86,688	147.5311	121.3123	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	1031.6297	948.9752	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	108.6687	122.7501	0.0000	0.0000	0	0.00		

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Sep 2018	ZAEU	19.56 Call	86,824	10.2280	11.2191	0.0000	0.0000	0	0.00	
			<u>607,230</u>					0.00	0.00	7 919 774.00
		Total	797,402					2,046.00	30,591,377.20	22 480 339.00
										207 355 097 443.60
Future										
Jun 2018	ZAFR	Future	1,215	12.7067	12.7393	0.0000	0.0000	0	0.00	
			<u>1,215</u>					0.00	0.00	609 303.00
		Total	1,215					0.00	0.00	6 506 705 521.30
										6 506 705 521.30
Future										
Jun 2018	ZAGB	Future	428,241	16.8385	16.9635	16.9948	16.9131	3,736	63,187,641.50	
Sep 2018	ZAGB	Future	18,594	17.1194	17.2413	0.0000	0.0000	0	0.00	
Dec 2018	ZAGB	Future	7,517	17.3829	17.5051	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	Future	4,932	17.6693	17.7946	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,465	17.9355	18.0623	0.0000	0.0000	0	0.00	
			<u>464,749</u>					3,736.00	63,187,641.50	10 797 550.00
										180 855 254 770.20
Option										
Jun 2018	ZAGB	17.50 Put	500	748.7173	649.6141	0.0000	0.0000	0	0.00	
Jun 2018	ZAGB	20.40 Call	500	1.0071	0.9422	0.0000	0.0000	0	0.00	
			<u>1,000</u>					0.00	0.00	1 774 113.00
		Total	465,749					3,736.00	63,187,641.50	12 571 663.00
										180 855 254 770.20
Future										
Jun 2018	ZAJY	Future	8,296	0.1148	0.1139	0.0000	0.0000	0	0.00	
			<u>8,296</u>					0.00	0.00	985 278.00
		Total	8,296					0.00	0.00	10 983 324 643.00
										10 983 324 643.00
Future										
Jun 2018	ZAKS	Future	1,145	0.1244	0.1249	0.0000	0.0000	0	0.00	
Sep 2018	ZAKS	Future	562	0.1242	0.1242	0.0000	0.0000	0	0.00	
			<u>1,707</u>					0.00	0.00	31 923.00
		Total	1,707					0.00	0.00	432 652 210.00
										432 652 210.00
Future										
Jun 2018	ZATR	Future	3,940	2.5683	2.6908	0.0000	0.0000	0	0.00	
			<u>3,940</u>					0.00	0.00	258 929.00
		Total	3,940					0.00	0.00	923 231 285.50
										923 231 285.50
Future										
Jun 2018	ZAUM	Future	419	12.6076	12.6269	0.0000	0.0000	0	0.00	

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Sep 2018	ZAUM	Future	47	12.7581	12.7763	0.0000	0.0000	0	0.00
Dec 2018	ZAUM	Future	10	12.8976	12.9157	0.0000	0.0000	0	0.00
			476					0.00	0.00
		Total	476					0.00	0.00
									150 787.00
									173 735 224 700.00
									155 310.00
									173 735 224 700.00
Future									
Jun 2018	ZAUS	Future	1,146,312	12.6076	12.6269	12.7470	12.5696	53,791	681,469,862.60
Sep 2018	ZAUS	Future	85,597	12.7581	12.7763	12.8873	12.7201	1,913	24,553,657.80
Dec 2018	ZAUS	Future	26,859	12.8976	12.9157	12.9823	12.8831	106	1,376,024.60
Mar 2019	ZAUS	Future	4,948	13.0438	13.0634	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	Future	3,087	13.1796	13.1991	0.0000	0.0000	0	0.00
			1,266,803					55,810.00	707,399,545.00
									173 450 098.00
									2 045 814 463 328.90
Option									
Jun 2018	ZAUS	11.00 Put	60,750	0.7285	0.1894	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.20 Put	2,550	1.5181	0.7944	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.35 Call	10,000	1260.2218	1278.9475	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.45 Call	10,000	1161.0860	1180.1328	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	40,216	4.0285	3.8086	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.60 Put	12,000	5.4042	5.2950	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.75 Put	60,000	8.4941	8.7096	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.77 Put	76,000	9.0315	9.3094	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.80 Put	5,500	9.9061	10.2883	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.90 Put	9,500	13.5329	14.3638	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Call	3,000	628.5578	646.9643	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	38,700	20.9578	20.0643	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.06 Put	150	28.6440	27.4195	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.12 Put	372	38.2758	36.6466	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.14 Put	155,500	41.9610	40.1791	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Call	500	501.4969	518.9367	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Put	1,000	43.8969	42.0367	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.20 Call	40,000	462.1533	479.1644	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.23 Call	3,000	439.3591	456.0882	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Call	40,000	424.5165	441.0472	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	12,415	66.9165	64.1472	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Call	4,000	388.6843	404.6846	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	81.0843	77.7846	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	15,103	115.1226	110.6261	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.45 Call	150	292.6815	306.8307	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Call	3,250	264.6239	278.0910	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	115,230	157.0239	151.1910	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.55 Call	80,000	238.5425	251.3028	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	12.75 Call	4,000	155.6470	164.7128	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	298.0470	287.8128	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	449.7198	436.8971	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Call	15,500	88.8144	94.8624	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	21,228	481.2144	467.9624	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	521.5711	507.8099	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	622.3536	607.5098	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	648.3101	633.2237	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	736.2506	720.8669	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	38.6054	42.1859	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	881.4810	865.1041	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	900.0106	883.5255	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	918.6112	902.0225	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1050.5694	1033.3397	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1155.9933	1138.3601	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1204.3091	1186.5173	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1213.9979	1196.1760	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1233.3996	1215.5196	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1243.1120	1225.2036	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1301.5992	1283.4699	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	7.1625	8.0650	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1399.5625	1381.1650	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1497.9881	1479.3806	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1646.2692	1627.4304	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	1.9840	2.1943	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	1.3105	1.4346	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	1.0465	1.1382	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	0.5539	0.5809	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	0.5421	0.5441	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	0.5135	0.4714	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	0.4881	0.4478	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.4528	0.4152	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.4364	0.4000	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	0.4298	0.3940	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	0.3835	0.3513	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	0.3410	0.3123	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	0.3247	0.2975	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.3154	0.2958	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.2564	0.2648	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.2371	0.2449	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.1684	0.1739	0.0000	0.0000	0	0.00

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Jun 2018	ZAUS	16.92 Call	2,415	0.0815	0.0841	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.0655	0.0676	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.0366	0.0377	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.0226	0.0233	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	38.8104	35.9337	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	40.1275	37.2182	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	52.2145	48.6864	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	75.2931	70.6745	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	94.3504	88.9316	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	105.0763	99.2364	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	129.0530	122.3415	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	715.3865	724.0070	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	207.2865	197.7070	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	226.1880	216.2672	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	258.5179	248.0762	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.40 Put	250	267.0007	256.4346	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	569.9001	576.9409	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	34,000	311.8001	300.6409	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	350.4689	338.8730	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	365.6063	353.8551	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	386.3250	374.3758	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	440.4562	445.8608	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	428.1546	432.9866	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	500.2511	486.6446	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	353.9982	357.9485	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	292.3038	295.5671	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	278.6228	281.7437	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	770.5228	755.4437	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	265.5890	268.5743	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	219.1872	221.7399	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	189.8105	191.8888	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	14.7761	19.3724	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	13.2519	17.9499	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	11.3193	16.0997	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	8.8941	13.6810	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	111.2478	106.0236	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	336.0983	326.1048	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	150	787.7064	795.0519	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	10,100	390.1064	379.3519	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	453.5760	442.0390	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	559.0438	563.7101	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.20 Call	7,100	487.2528	491.1541	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.25 Call	10,000	470.7981	474.5262	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.80 Call	2,764	324.2774	326.5538	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.95 Call	39,589	293.6927	295.6940	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	14.00 Call	1,500	284.2307	286.1471	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.00 Call	1,000	144.3466	145.1691	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.95 Call	2,000	82.4773	83.1475	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	10.33 Put	1,000	10.2028	9.5190	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	11.74 Put	1,000	180.5685	173.3179	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.06 Put	4,145	272.8985	263.4775	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.76 Put	250	573.5904	559.7445	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.45 Call	4,145	587.6151	590.4947	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.48 Call	1,000	341.2450	342.2106	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.20 Call	1,000	233.1545	233.4599	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	20.2926	19.8094	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	397.4970	385.9984	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	453.2529	453.5537	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	124.3162	123.0322	0.0000	0.0000	0	0.00		
			<u>2,225,024</u>					<u>0.00</u>	<u>0.00</u>	<u>48 307 254.00</u>	<u>0.00</u>
		Total	3,491,827					55,810.00	707,399,545.00	221 757 352.00	2 045 814 463 328.90
Grand Total			5,535,086					64,684.00	838 983 108.70	303,040,189	2,846,150,103,471.48