



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 20-July-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Oct 2018	CC01	Future	25,000	423.5959	440.8647	0.0000	0.0000	0	0.00
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>
		Total	25,000					0.00	0.00
									25 000.00
									7 830 750.00
Future									
Jul 2018	DAEU	Future	33	15.7581	15.6875	0.0000	0.0000	0	0.00
Sep 2018	DAEU	Future	34	15.8793	15.8080	0.0000	0.0000	0	0.00
			<u>67</u>					<u>0.00</u>	<u>0.00</u>
		Total	67					0.00	0.00
									801 227.00
									11 964 244 481.80
Future									
Jul 2018	DAUS	Future	0	13.4283	13.4946	0.0000	0.0000	1,800	24,170,940.00
Jul 2018	DAUS	Future	500	13.4411	13.4912	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	20,570	13.4411	13.4930	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,204	13.4447	13.4965	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	3,262	13.4517	13.5035	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	55	13.4552	13.5070	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.4744	13.5262	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	4,070	13.4779	13.5297	0.0000	0.0000	1,000	13,521,400.00
Aug 2018	DAUS	Future	600	13.4866	13.5385	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,299	13.5059	13.5577	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	197	13.5112	13.5630	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	4,032	13.5550	13.6068	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	13.5620	13.6138	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.6020	13.6541	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.6089	13.6611	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,608	13.6123	13.6646	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	13.6141	13.6663	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	13.6348	13.6872	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	700	13.6400	13.6924	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>		
Nov 2018	DAUS	Future	3,363	13.6643	13.7167	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,078	13.7179	13.7706	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.7214	13.7740	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.7698	13.8226	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.7715	13.8244	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.7940	13.8469	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	13.8199	13.8729	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.8665	13.9197	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.8769	13.9301	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	13.9255	13.9788	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	13.9800	14.0332	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	54,000	13.9853	14.0385	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.0345	14.0877	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.0903	14.1430	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.1518	14.2020	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.2095	14.2573	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.2652	14.3108	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.3267	14.3699	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.3863	14.4271	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.4420	14.4805	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.5016	14.5377	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.5612	14.5949	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6131	14.6447	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.6785	14.7074	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.7876	14.8132	0.0000	0.0000	0	0.00		
			<u>199,677</u>					<u>2,800.00</u>	<u>37,692,340.00</u>	<u>10 412 587.00</u>	<u>126 855 428 339.30</u>
Option											
Jul 2018	DAUS	14.45 Put	1,500	1009.0018	959.2876	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	0.0116	0.0131	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.25 Put	0	43.9228	40.2224	0.0000	0.0000	20,000	0.00		
Jul 2018	DAUS	13.40 Put	20,000	90.5506	0.0000	0.0000	0.0000	20,000	0.00		
Jul 2018	DAUS	13.00 Put	500	18.5448	16.5027	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.50 Call	500	116.5492	144.7513	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	384.9973	346.6952	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	0.0351	0.0676	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	0.0273	0.0366	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	2.2262	2.5882	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	457.2282	417.4003	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	0.2400	0.2627	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.43 Put	106	189.7664	168.7359	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.55 Call	106	183.9762	208.3494	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.00 Put	500	78.5082	70.9338	0.0000	0.0000	0	0.00		

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Aug 2018	DAUS	13.65 Call	500	217.1367	238.6417	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	463.5605	428.9648	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	1.9747	2.3905	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	1.3354	1.4687	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	204.6197	186.4715	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	126.6809	115.3088	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	272.4229	291.1474	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	510.8208	477.2924	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	11.7714	12.0514	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	5.3862	6.0789	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.51 Call	5,000	427.1347	454.6074	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	230.2576	0.0000	0.0000	0.0000	1,630	0.00
Oct 2018	DAUS	14.00 Call	1,630	276.1448	0.0000	0.0000	0.0000	1,630	0.00
Oct 2018	DAUS	13.00 Put	500	171.8563	158.2546	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	554.9494	522.8347	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	323.4972	341.3227	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	25.7744	28.6728	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	11.2520	13.9988	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	20.1978	19.5670	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	598.9905	565.7964	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	20.6202	22.7728	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	4.3754	4.2732	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	17.3756	16.7541	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	691.5643	725.0157	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	205.0652	190.0318	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	586.7921	554.9566	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	356.6961	372.8299	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	43.0273	44.6188	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	28.9912	30.3018	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	507.6478	479.4531	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	107.0114	111.2172	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	300.1503	280.4929	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	342.8150	321.2444	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	262.1609	272.0365	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	245.1170	254.2120	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	232.3051	216.9854	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	611.6616	580.1134	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	387.4763	402.5275	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	59.0949	60.4025	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	42.9648	43.7441	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	152.2113	140.8810	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	258.9424	242.9027	0.0000	0.0000	0	0.00

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Jan 2019	DAUS	14.38 Call	500	412.1362	426.4757	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	280.5663	264.4105	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	435.2366	449.3051	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.00 Put	500	301.2131	285.1533	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.67 Call	500	456.3814	470.0678	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	322.0798	305.8871	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	963.4233	992.6223	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	476.2509	489.9701	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	340.8727	324.9511	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	494.3390	508.0118	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	356.2150	340.5119	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	507.8910	521.3255	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	541.0076	518.4480	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	298.2134	306.4862	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	373.5427	358.6301	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	529.0332	542.8567	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	389.6557	375.9338	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	547.4963	560.3618	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	403.8266	391.4039	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	569.3036	582.0328	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	417.1521	406.8229	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	585.2800	597.0876	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	429.4926	419.2636	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	603.5518	614.6154	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	439.8203	431.5027	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	621.6396	631.8799	0.0000	0.0000	0	0.00		
			<u>354,262</u>					<u>43,260.00</u>	<u>0.00</u>	<u>19 332 567.00</u>	<u>0.00</u>
Total			553,939					46,060.00	37,692,340.00	29 745 154.00	126 855 428 339.30
Future											
Sep 2018	EUUS	Future	180	1.1755	1.1658	0.0000	0.0000	0	0.00		
			<u>180</u>					<u>0.00</u>	<u>0.00</u>	<u>729 464.00</u>	<u>8 270 574 212.00</u>
Total			180					0.00	0.00	729 464.00	8 270 574 212.00
Future											
Sep 2018	GBUS	Future	8	1.3132	1.3032	1.3038	1.3037	4	52,150.00		
			<u>8</u>					<u>4.00</u>	<u>52,150.00</u>	<u>167 347.00</u>	<u>2 152 897 346.00</u>
Total			8					4.00	52,150.00	167 347.00	2 152 897 346.00
Future											
Sep 2018	ZAAD	Future	12,322	10.0312	9.9718	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	11,416	10.1479	10.0878	0.0000	0.0000	0	0.00		

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Jun 2019	ZAAD	Future	4,929	10.4017	10.3395	0.0000	0.0000	0	0.00		
			28,667					0.00	0.00	3 685 066.00	32 004 335 361.90
		Total	28,667					0.00	0.00	3 717 443.00	32 004 335 361.90
Future											
Dec 2018	ZACA	Future	845	10.4505	10.3953	0.0000	0.0000	0	0.00		
			845					0.00	0.00	136 568.00	1 343 715 636.10
		Total	845					0.00	0.00	136 568.00	1 343 715 636.10
Future											
Sep 2018	ZADK	Future	245	2.1376	2.1283	0.0000	0.0000	0	0.00		
Dec 2018	ZADK	Future	15	2.1782	2.1689	0.0000	0.0000	0	0.00		
			260					0.00	0.00	11 835.00	254 651 919.00
		Total	260					0.00	0.00	11 835.00	254 651 919.00
Future											
Sep 2018	ZAEU	Future	133,235	15.9114	15.8399	15.9474	15.8700	449	7,167,932.50		
Dec 2018	ZAEU	Future	27,738	16.2019	16.1303	16.2126	16.1599	252	4,080,511.80		
Mar 2019	ZAEU	Future	4,808	16.5275	16.4555	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	16.8405	16.7673	0.0000	0.0000	0	0.00		
			171,037					701.00	11,248,444.30	15 080 921.00	215 454 776 620.90
Option											
Sep 2018	ZAEU	13.50 Put	29,734	3.0683	3.6680	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	57,090	9.7044	11.1806	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	328.1082	363.7027	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	122.8663	109.6225	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	3.8648	3.7814	0.0000	0.0000	0	0.00		
			290,206					0.00	0.00	8 023 712.00	0.00
		Total	461,243					701.00	11,248,444.30	23 104 633.00	215 454 776 620.90
Future											
Sep 2018	ZAFR	Future	1,575	13.6623	13.6322	0.0000	0.0000	0	0.00		
Dec 2018	ZAFR	Future	400	13.9251	13.8965	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	14.5056	14.4739	0.0000	0.0000	0	0.00		
			2,125					0.00	0.00	614 653.00	6 579 733 890.30
		Total	2,125					0.00	0.00	614 653.00	6 579 733 890.30
Future											
Sep 2018	ZAGB	Future	226,569	17.7752	17.7074	17.7848	17.7848	5	88,924.00		
Dec 2018	ZAGB	Future	9,525	18.0457	17.9787	18.0275	18.0273	1,000	18,027,400.00		
Mar 2019	ZAGB	Future	4,932	18.3442	18.2780	0.0000	0.0000	0	0.00		

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	Jun 2019	ZAGB	Future	6,156	18.6279	18.5615	0.0000	0.0000	0	0.00		
				<u>247,182</u>					<u>1,005.00</u>	<u>18,116,324.00</u>	<u>11 923 378.00</u>	<u>200 751 667 431.30</u>
			Total	247,182					1,005.00	18,116,324.00	13 697 491.00	200 751 667 431.30
Future												
	Sep 2018	ZAJY	Future	115	0.1215	0.1208	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	0.1330	0.1337	0.0000	0.0000	0	0.00		
	Jun 2019	ZAKS	Future	1,093	0.1305	0.1320	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	12,975	2.7516	2.7501	0.0000	0.0000	0	0.00		
				<u>12,975</u>					<u>0.00</u>	<u>0.00</u>	<u>292 954.00</u>	<u>1 018 927 467.50</u>
			Total	12,975					0.00	0.00	292 954.00	1 018 927 467.50
Future												
	Sep 2018	ZAUM	Future	340	13.5358	13.5875	13.6291	13.6291	5	6,814,550.00		
	Dec 2018	ZAUM	Future	15	13.6885	13.7410	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUM	Future	5	13.8510	13.9041	0.0000	0.0000	0	0.00		
				<u>360</u>					<u>5.00</u>	<u>6,814,550.00</u>	<u>152 026.00</u>	<u>175 390 520 920.00</u>
			Total	360					5.00	6,814,550.00	156 549.00	175 390 520 920.00
Future												
	Sep 2018	ZAUS	Future	465,099	13.5358	13.5875	13.6458	13.5002	56,910	773,647,598.70		
	Dec 2018	ZAUS	Future	60,941	13.6885	13.7410	0.0000	0.0000	25	342,245.00		
	Mar 2019	ZAUS	Future	5,900	13.8510	13.9041	0.0000	0.0000	0	0.00		
	Jun 2019	ZAUS	Future	15,910	14.0046	14.0578	0.0000	0.0000	0	0.00		
				<u>547,850</u>					<u>56,935.00</u>	<u>773,989,843.70</u>	<u>178 966 964.00</u>	<u>2 119 603 453 764.40</u>
Option												
	Sep 2018	ZAUS	11.48 Put	5,200	2.2905	2.6749	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.50 Put	45,000	2.3634	2.7552	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.60 Put	2,000	2.7700	3.1989	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.75 Put	93,314	3.5362	4.0246	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.85 Put	48,200	4.1802	4.7096	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	11.90 Put	3,000	4.5516	5.1015	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUS	12.00 Put	13,300	5.4132	6.0030	0.0000	0.0000	0	0.00		

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Sep 2018	ZAUS	12.25 Call	500	1295.3509	1346.6946	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	9.5509	9.1946	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	11.6846	11.1495	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	15.9126	14.9988	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	1060.3358	1110.2933	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	44,000	24.5358	22.7933	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	32.1285	29.6266	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	35.4128	32.5786	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	40.1962	36.8760	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	823.3941	870.0093	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	798.5248	844.6232	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Call	3,000	757.8310	802.9961	0.0000	0.0000	3,000	0.00
Sep 2018	ZAUS	12.85 Put	3,750	72.0310	65.4961	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	643.4924	684.9170	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	72,000	107.6924	97.4170	0.0000	0.0000	5,000	0.00
Sep 2018	ZAUS	13.10 Put	2,500	137.2836	124.4979	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	507.6186	543.8025	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	171.8186	156.3025	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	179.3319	163.2482	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	476.7875	511.5411	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	190.9875	174.0411	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	341.8549	369.1160	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	298.1211	320.9377	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	362.3211	333.4377	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	278.7687	300.2180	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	172.5325	185.7281	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	636.7325	598.2281	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	64.3570	68.5510	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	41.5215	44.2087	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	8.8118	8.4242	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	7.8858	7.4591	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	6.7334	6.2684	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	5.4127	4.8296	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	23.0484	21.8992	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	27.5775	26.1518	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	35.0717	33.1790	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	41.0543	38.7845	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	42.3566	40.0043	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	47.9503	45.2412	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	55.8785	52.6630	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	60.2683	56.7718	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	74.3873	68.8485	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	12.50 Call	230,784	1282.6610	1327.4847	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	94.1610	86.4847	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	119.6491	110.3399	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	130.6534	120.6711	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	147.2351	136.2739	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	906.7779	944.4921	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	175,030	218.2779	203.4921	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	254.1907	236.6257	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	781.9775	814.9888	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	301.7385	281.8630	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	752.8855	784.9252	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	22,800	314.3855	293.9252	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	406.3524	381.9994	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	619.8952	647.0779	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	431.3952	406.0779	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	539.4680	510.3686	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	545.3527	515.9104	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	495.8725	517.0616	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	587.3725	556.0616	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	593.4929	562.0147	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	488.1422	508.9974	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	433.7329	452.1825	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	16,130	416.9444	434.6329	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	376.2407	392.0486	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	321.2905	334.4892	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	308.8895	321.4880	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	294.7096	306.5650	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	260.2218	270.4610	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	258.2150	268.3606	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	256.2248	266.2776	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	240.8817	250.2203	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	231.8041	240.7174	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	216.3877	224.5807	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	15,100	191.7054	198.7425	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	190.2707	197.2405	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	178.8064	185.6668	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	170.4078	177.4843	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	131.1005	136.3495	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	110.3764	114.6650	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	5.3543	5.4154	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	44.6479	43.1228	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	78.3470	74.3723	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	12.47 Put	721	146.4406	137.1626	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.45 Call	4,145	882.6361	911.8004	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.46 Put	20,000	486.5259	462.4351	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.75 Put	17,981	639.3376	610.8953	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.86 Put	721	702.7533	672.6673	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.30 Call	500	536.6989	553.9283	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.48 Call	1,000	483.4986	498.7649	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.96 Call	17,981	369.4538	380.4057	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.45 Call	20,000	281.2154	289.9165	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.54 Call	721	267.0159	275.2497	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	9.4973	9.6016	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	141.8665	132.4087	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	267.8706	254.7941	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	341.4287	325.8114	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	438.4631	419.8467	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	731.8199	704.3636	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	12,450	760.3280	732.2857	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	633.3272	651.2038	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	566.3299	581.8860	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	407.4204	418.7788	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	12,450	394.4572	405.4666	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	363.2268	373.3908	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	343.9852	353.6230	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	17.2281	17.5599	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	225.9519	214.6004	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	506.5763	518.6072	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	193.4059	196.5904	0.0000	0.0000	0	0.00		
			<u>2,731,791</u>					<u>8,000.00</u>	<u>0.00</u>	<u>51 229 532.00</u>	<u>0.00</u>
	Total		3,279,641					64,935.00	773,989,843.70	230 196 496.00	2 119 603 453 764.40
	Grand Total		4,614,262					112,710.00	847 913 652.00	314,038,911	2,956,786,051,283.52