



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 23-July-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Oct 2018	CC01	Future	25,000	445.8499	423.5959	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	15.8219	15.7581	0.0000	0.0000	0	0.00
Sep 2018	DAEU	Future	34	15.9438	15.8793	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	500	13.5027	13.4411	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	20,570	13.5027	13.4411	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,204	13.5045	13.4447	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	3,262	13.5116	13.4517	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	55	13.5152	13.4552	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.5346	13.4744	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	4,144	13.5381	13.4779	0.0000	0.0000	74	1,001,405.00
Aug 2018	DAUS	Future	600	13.5469	13.4866	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,299	13.5662	13.5059	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	197	13.5715	13.5112	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	4,032	13.6154	13.5550	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	13.6224	13.5620	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.6628	13.6020	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.6698	13.6089	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,608	13.6733	13.6123	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	13.6751	13.6141	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	13.6960	13.6348	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	700	13.7012	13.6400	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	3,363	13.7257	13.6643	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>
Dec 2018	DAUS	Future	2,078	13.7797	13.7179	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	13.7832	13.7214	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	13.8321	13.7698	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	13.8339	13.7715	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	13.8566	13.7940	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	4,725	13.8829	13.8199	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	13.9301	13.8665	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	13.9406	13.8769	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	13.9897	13.9255	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	14.0449	13.9800	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	54,000	14.0502	13.9853	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.1000	14.0345	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.1561	14.0903	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.2177	14.1518	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.2755	14.2095	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.3313	14.2652	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.3929	14.3267	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.4525	14.3863	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.5084	14.4420	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.5680	14.5016	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.6277	14.5612	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.6797	14.6131	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.7451	14.6785	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.8533	14.7876	0.0000	0.0000	0	0.00
			<u>199,751</u>					<u>74.00</u>	<u>1,001,405.00</u>
									<u>10 412 661.00</u>
									<u>126 856 429 744.30</u>
Option									
Jul 2018	DAUS	14.45 Put	1,500	947.3113	1009.0018	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	0.0033	0.0116	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.40 Put	20,000	50.9309	90.5506	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.00 Put	500	9.1927	18.5448	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.50 Call	500	123.5906	116.5492	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	322.6036	384.9973	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	0.0245	0.0351	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	0.0164	0.0273	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	0.9175	2.2262	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	395.4562	457.2282	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	0.1097	0.2400	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.43 Put	106	150.2244	189.7664	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.55 Call	106	197.7520	183.9762	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	61.8426	78.5082	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	232.2236	217.1367	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	413.9125	463.5605	0.0000	0.0000	0	0.00

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Aug 2018	DAUS	16.05 Call	500	1.8956	1.9747	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	1.1647	1.3354	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	175.3733	204.6197	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	107.3451	126.6809	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	287.5331	272.4229	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	465.0597	510.8208	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	11.7256	11.7714	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	5.4639	5.3862	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.51 Call	5,000	451.6938	427.1347	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	203.1817	230.2576	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	288.9363	276.1448	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	149.9386	171.8563	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	511.0978	554.9494	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	338.1825	323.4972	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	28.2165	25.7744	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	14.7822	11.2520	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	18.4068	20.1978	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	554.0126	598.9905	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	22.3532	20.6202	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	3.7776	4.3754	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	15.1029	17.3756	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	724.1389	691.5643	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	181.2450	205.0652	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	543.5863	586.7921	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	370.6949	356.6961	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	44.0528	43.0273	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	29.6164	28.9912	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	468.6648	507.6478	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	110.7525	107.0114	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	270.8925	300.1503	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	311.3036	342.8150	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	270.8974	262.1609	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	253.1461	245.1170	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	208.1993	232.3051	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	569.0632	611.6616	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	401.2194	387.4763	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	60.2990	59.0949	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	43.7191	42.9648	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	133.8113	152.2113	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	234.1875	258.9424	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	425.5795	412.1362	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	256.4071	280.5663	0.0000	0.0000	0	0.00

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Feb 2019	DAUS	14.52 Call	500	448.5169	435.2366	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.00 Put	500	277.5488	301.2131	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.67 Call	500	469.2971	456.3814	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	298.3095	322.0798	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	994.0476	963.4233	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	489.2271	476.2509	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	317.4336	340.8727	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	507.2331	494.3390	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	333.1392	356.2150	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	520.4432	507.8910	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	509.2869	541.0076	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	304.7228	298.2134	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	350.5323	373.5427	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	541.2604	529.0332	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	366.5125	389.6557	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	559.2417	547.4963	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	380.8000	403.8266	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	581.5080	569.3036	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	394.1890	417.1521	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	597.3393	585.2800	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	405.4821	429.4926	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	614.8937	603.5518	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	416.2808	439.8203	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	632.7539	621.6396	0.0000	0.0000	0	0.00		
			<u>354,262</u>					<u>0.00</u>	<u>0.00</u>	<u>19 332 567.00</u>	<u>0.00</u>
Total			554,013					74.00	1,001,405.00	29 745 228.00	126 856 429 744.30
Future											
Sep 2018	EUUS	Future	180	1.1750	1.1755	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	1.3137	1.3132	0.0000	0.0000	0	0.00		
			<u>8</u>					<u>0.00</u>	<u>0.00</u>	<u>167 347.00</u>	<u>2 152 897 346.00</u>
Total			8					0.00	0.00	167 347.00	2 152 897 346.00
Future											
Sep 2018	ZAAD	Future	12,322	10.0413	10.0312	10.0595	10.0595	10	100,595.00		
Dec 2018	ZAAD	Future	11,415	10.1604	10.1479	10.2150	10.2150	1	10,215.00		
Jun 2019	ZAAD	Future	4,929	10.4178	10.4017	0.0000	0.0000	0	0.00		

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			28,666					11.00	110,810.00	3 685 077.00	32 004 446 171.90
		Total	28,666					11.00	110,810.00	3 717 454.00	32 004 446 171.90
Future											
	Dec 2018 ZACA	Future	845	10.4869	10.4505	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	2.1470	2.1376	0.0000	0.0000	0	0.00		
	Dec 2018 ZADK	Future	15	2.1877	2.1782	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	133,229	15.9761	15.9114	16.0400	15.9539	135	2,158,462.40		
	Dec 2018 ZAEU	Future	28,152	16.2686	16.2019	16.3126	16.2731	414	6,743,354.40		
	Mar 2019 ZAEU	Future	4,808	16.5964	16.5275	0.0000	0.0000	0	0.00		
	Jun 2019 ZAEU	Future	5,256	16.9118	16.8405	0.0000	0.0000	0	0.00		
			171,445					549.00	8,901,816.80	15 081 470.00	215 463 678 437.70
Option											
	Sep 2018 ZAEU	13.50 Put	29,734	2.6217	3.0683	0.0000	0.0000	0	0.00		
	Sep 2018 ZAEU	14.25 Put	57,090	8.2219	9.7044	0.0000	0.0000	0	0.00		
	Sep 2018 ZAEU	15.85 Put	86,824	289.6449	328.1082	0.0000	0.0000	0	0.00		
	Sep 2018 ZAEU	16.76 Call	29,734	127.1360	122.8663	0.0000	0.0000	0	0.00		
	Sep 2018 ZAEU	19.56 Call	86,824	3.4098	3.8648	0.0000	0.0000	0	0.00		
			290,206					0.00	0.00	8 023 712.00	0.00
		Total	461,651					549.00	8,901,816.80	23 105 182.00	215 463 678 437.70
Future											
	Sep 2018 ZAFR	Future	1,575	13.7554	13.6623	0.0000	0.0000	0	0.00		
	Dec 2018 ZAFR	Future	400	14.0213	13.9251	0.0000	0.0000	0	0.00		
	Jun 2019 ZAFR	Future	150	14.6072	14.5056	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	17.8616	17.7752	17.9600	17.8700	11	196,910.00		
	Dec 2018 ZAGB	Future	9,885	18.1343	18.0457	18.2027	18.1550	361	6,568,103.00		
	Mar 2019 ZAGB	Future	4,932	18.4357	18.3442	0.0000	0.0000	0	0.00		
	Jun 2019 ZAGB	Future	6,156	18.7221	18.6279	0.0000	0.0000	0	0.00		

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			247,542					372.00	6,765,013.00	11 923 750.00	200 758 432 444.30
		Total	247,542					372.00	6,765,013.00	13 697 863.00	200 758 432 444.30
Future											
	Sep 2018 ZAJY	Future	115	0.1225	0.1215	0.0000	0.0000	0	0.00		
			115					0.00	0.00	993 919.00	11 089 418 491.40
		Total	115					0.00	0.00	993 919.00	11 089 418 491.40
Future											
	Sep 2018 ZAKS	Future	562	0.1336	0.1330	0.0000	0.0000	0	0.00		
	Jun 2019 ZAKS	Future	1,093	0.1320	0.1305	0.0000	0.0000	0	0.00		
			1,655					0.00	0.00	35 358.00	476 333 960.00
		Total	1,655					0.00	0.00	35 358.00	476 333 960.00
Future											
	Sep 2018 ZATR	Future	12,975	2.7966	2.7516	0.0000	0.0000	0	0.00		
			12,975					0.00	0.00	292 954.00	1 018 927 467.50
		Total	12,975					0.00	0.00	292 954.00	1 018 927 467.50
Future											
	Sep 2018 ZAUM	Future	345	13.5961	13.5358	13.6623	13.6623	5	6,831,150.00		
	Dec 2018 ZAUM	Future	15	13.7501	13.6885	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUM	Future	5	13.9144	13.8510	0.0000	0.0000	0	0.00		
			365					5.00	6,831,150.00	152 031.00	175 397 352 070.00
		Total	365					5.00	6,831,150.00	156 554.00	175 397 352 070.00
Future											
	Sep 2018 ZAUS	Future	463,586	13.5961	13.5358	13.6650	13.5629	46,103	627,151,716.10		
	Dec 2018 ZAUS	Future	64,438	13.7501	13.6885	13.8000	13.7212	2,840	39,096,575.00		
	Mar 2019 ZAUS	Future	5,900	13.9144	13.8510	0.0000	0.0000	0	0.00		
	Jun 2019 ZAUS	Future	15,910	14.0697	14.0046	0.0000	0.0000	0	0.00		
			549,834					48,943.00	666,248,291.10	179 015 907.00	2 120 269 702 055.50
Option											
	Sep 2018 ZAUS	11.48 Put	5,200	2.0235	2.2905	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.50 Put	45,000	2.0889	2.3634	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.60 Put	2,000	2.4533	2.7700	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.75 Put	93,314	3.1404	3.5362	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.85 Put	48,200	3.7181	4.1802	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.90 Put	3,000	4.0512	4.5516	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.00 Put	13,300	4.8237	5.4132	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.25 Call	500	1353.7123	1295.3509	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>
Sep 2018	ZAUS	12.25 Put	40,000	7.6123	9.5509	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	9.3111	11.6846	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	12.6930	15.9126	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	1115.7500	1060.3358	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	44,000	19.6500	24.5358	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	25.8358	32.1285	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	28.5283	35.4128	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	32.4648	40.1962	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	873.0305	823.3941	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	847.3345	798.5248	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	59.0825	72.0310	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	685.5433	643.4924	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	72,000	89.4433	107.6924	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.10 Put	2,500	115.5422	137.2836	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	542.5333	507.6186	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	146.4333	171.8186	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	153.2080	179.3319	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	509.8509	476.7875	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	163.7509	190.9875	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	365.7608	341.8549	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	317.1448	298.1211	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	321.0448	362.3211	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	296.2852	278.7687	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	181.6233	172.5325	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	585.5233	636.7325	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	65.9165	64.3570	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	42.3531	41.5215	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	8.5652	8.8118	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	7.6359	7.8858	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	6.4843	6.7334	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	5.0807	5.4127	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	20.1793	23.0484	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	24.1155	27.5775	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	30.6369	35.0717	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	35.8511	41.0543	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	36.9879	42.3566	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	41.8721	47.9503	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	48.8102	55.8785	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	52.6593	60.2683	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	63.9983	74.3873	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1330.9974	1282.6610	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	80.8974	94.1610	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	12.63 Put	39,589	103.9353	119.6491	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	113.9508	130.6534	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	129.1127	147.2351	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	944.9153	906.7779	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	175,030	194.8153	218.2779	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	227.4363	254.1907	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	814.4816	781.9775	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	272.1800	301.7385	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	784.2312	752.8855	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	27,800	284.1312	314.3855	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	371.5901	406.3524	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	645.6471	619.8952	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	395.5471	431.3952	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	499.4838	539.4680	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	505.0156	545.3527	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	515.2064	495.8725	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	545.1064	587.3725	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	551.0544	593.4929	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	507.1357	488.1422	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	450.3217	433.7329	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	16,130	432.7895	416.9444	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	390.2847	376.2407	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	332.9286	321.2905	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	319.9878	308.8895	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	305.1435	294.7096	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	269.1464	260.2218	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	267.0532	258.2150	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	264.9774	256.2248	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	248.9813	240.8817	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	239.5188	231.8041	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	223.4583	216.3877	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	20,100	197.7623	191.7054	0.0000	0.0000	5,000	0.00
Dec 2018	ZAUS	15.01 Call	10,000	196.2694	190.2707	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	184.7684	178.8064	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	176.6403	170.4078	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	135.7928	131.1005	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	114.2804	110.3764	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	5.6193	5.3543	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	41.1487	44.6479	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	71.1098	78.3470	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	131.6523	146.4406	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	912.3681	882.6361	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.46 Put	20,000	452.6734	486.5259	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.75 Put	17,981	600.4403	639.3376	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.86 Put	721	662.0103	702.7533	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.30 Call	500	553.2233	536.6989	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.48 Call	1,000	498.0302	483.4986	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.96 Call	17,981	379.7368	369.4538	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.45 Call	20,000	289.3754	281.2154	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.54 Call	721	274.7096	267.0159	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	9.1984	9.4973	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	128.5536	141.8665	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	248.4486	267.8706	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	318.5021	341.4287	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	411.4722	438.4631	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	693.8706	731.8199	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	12,450	721.6372	760.3280	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	650.9990	633.3272	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	581.3735	566.3299	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	417.6978	407.4204	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	12,450	404.3328	394.4572	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	372.1291	363.2268	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	352.2936	343.9852	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	16.2649	17.2281	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	206.5241	225.9519	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	517.5563	506.5763	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	195.3763	193.4059	0.0000	0.0000	0	0.00		
			<u>2,735,791</u>					<u>5,000.00</u>	<u>0.00</u>	<u>51 234 532.00</u>	<u>0.00</u>
Total			3,285,625					53,943.00	666,248,291.10	230 250 439.00	2 120 269 702 055.50
Grand Total			4,621,092					54,954.00	689 858 485.90	314,093,865	2,957,475,909,769.42