



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 10-April-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Apr 2019	DAEU	Future	4	15.6864	15.8451	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	1	15.7210	15.8801	0.0000	0.0000	0	0.00
May 2019	DAEU	Future	2	15.8318	15.9926	0.0000	0.0000	0	0.00
			<u>7</u>					<i>0.00</i>	<i>0.00</i>
									<i>816 216.00</i>
									<i>12 205 897 911.20</i>
Option									
Feb 2020	DAEU	16.65 Call	21,000	893.3630	987.0488	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	793.7694	878.8840	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	762.0104	844.4505	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	738.2355	818.6305	0.0000	0.0000	0	0.00
			<u>66,000</u>					<i>0.00</i>	<i>0.00</i>
									<i>1 812 387.00</i>
									<i>0.00</i>
	Total		66,007					0.00	0.00
									2 628 603.00
									12 205 897 911.20
Future									
Apr 2019	DAGB	Future	43	18.2493	18.3335	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	120	18.2828	18.3672	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	18.2919	18.3763	0.0000	0.0000	0	0.00
May 2019	DAGB	Future	91	18.3900	18.4751	0.0000	0.0000	0	0.00
			<u>281</u>					<i>0.00</i>	<i>0.00</i>
									<i>67 204.00</i>
									<i>1 127 816 817.20</i>
	Total		281					0.00	0.00
									274 517.00
									1 127 816 817.20
Future									
Apr 2019	DAUS	Future	1,883	13.9383	14.0508	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	349	13.9561	14.0686	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	15	13.9609	14.0734	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	4,563	13.9625	14.0750	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	32,500	13.9740	14.0866	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	25,000	13.9772	14.0899	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	93	13.9838	14.0965	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	2	13.9871	14.0999	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	387	14.0100	14.1231	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>
May 2019	DAUS	Future	91	14.0133	14.1264	0.0000	0.0000	791	11,158,153.50
Jun 2019	DAUS	Future	74	14.0198	14.1331	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	2,421	14.0591	14.1732	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.0640	14.1783	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	1,029	14.1141	14.2289	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.1158	14.2305	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	2,229	14.1645	14.2796	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.1695	14.2846	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	14.1729	14.2880	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	3,757	14.1880	14.3033	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	98	14.2169	14.3324	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.2203	14.3358	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	153	14.2695	14.3859	0.0000	0.0000	0	0.00
Nov 2019	DAUS	Future	97	14.3202	14.4361	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.3255	14.4413	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.3291	14.4448	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	45	14.3755	14.4917	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.3789	14.4952	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.4301	14.5464	0.0000	0.0000	0	0.00
Feb 2020	DAUS	Future	3,500	14.4801	14.5956	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.4855	14.6009	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.5398	14.6560	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.5907	14.7069	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.6578	14.7731	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.7654	14.8805	0.0000	0.0000	0	0.00
			<u>164,286</u>					<u>791.00</u>	<u>11,158,153.50</u>
									<u>12 094 427.00</u>
									<u>150 786 541 628.60</u>
Option									
Apr 2019	DAUS	14.40 Call	20,000	10.1481	23.5702	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.44 Call	60,000	8.3317	19.5700	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.45 Call	40,000	7.9331	18.6793	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Call	25,000	51.4317	88.3977	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.50 Call	50,000	14.9601	27.5788	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.55 Call	25,000	12.1099	22.3959	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	3.9267	3.9997	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	504.1648	605.6986	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.95 Put	734	180.1687	140.7515	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Call	734	103.7251	152.7340	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	341.2251	277.7340	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	378.6136	311.0891	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.45 Call	734	53.5705	84.5479	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	17.9380	31.8976	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	2.1435	3.7666	0.0000	0.0000	0	0.00

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Apr 2019	DAUS	15.96 Call	250	0.9849	1.8202	0.0000	0.0000	0	0.00
May 2019	DAUS	13.75 Put	22,000	127.2515	101.7132	0.0000	0.0000	0	0.00
May 2019	DAUS	13.95 Call	20,000	241.5976	0.0000	0.0000	0.0000	20,000	0.00
May 2019	DAUS	14.03 Call	65,000	207.4667	272.8532	0.0000	0.0000	600	0.00
May 2019	DAUS	13.72 Call	50,000	384.1566	471.8911	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	161.2178	213.7340	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	185.6218	239.3372	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	34.4608	49.6677	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	21.9559	33.3660	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	24.9913	20.8623	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	427.0225	373.9725	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	460.5862	404.7823	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	74.1326	99.6456	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	20.8442	31.0631	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	10.6859	16.1797	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	237.7057	208.8171	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	354.5241	313.9678	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	409.2685	361.8064	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	18,000	474.2351	421.5016	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	40.1249	34.7388	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	366.4896	325.5675	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	473.1830	421.6961	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	505.2780	451.4888	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	112.0900	139.5205	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	93.9268	117.5158	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	44.5098	58.8012	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	28.9952	39.3829	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	72.3011	62.4757	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	518.9238	469.2978	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	549.8673	497.3482	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	155.5165	184.5532	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	76.3407	92.8261	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	55.9445	68.5919	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	714.6539	655.2935	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	79.0135	94.7500	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	97.7613	87.3423	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	553.2344	506.3822	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	583.3852	534.0209	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	187.0644	217.0994	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	101.9306	120.2444	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	78.3151	92.7722	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	21.3037	29.0384	0.0000	0.0000	0	0.00

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Sep 2019	DAUS	13.00 Put	500	121.4756	111.0981	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	581.2717	536.8665	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	610.7980	564.1142	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	217.9784	249.5071	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	127.4694	147.7700	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	100.2944	116.6759	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	144.4313	132.8498	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	609.6287	565.5557	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	638.0983	592.5969	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	244.2778	277.3468	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	151.1577	173.1262	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	122.3454	140.5344	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	163.8701	150.9864	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	632.1060	588.3366	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	660.3155	615.2343	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	269.8907	303.2091	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	173.5487	196.5297	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	144.5889	162.6079	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	183.0796	169.6443	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	652.4630	609.7094	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	680.3915	636.4196	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	293.4465	327.4759	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	196.4009	220.7041	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	169.6220	186.8611	0.0000	0.0000	0	0.00		
			<u>757,496</u>					<u>20,600.00</u>	<u>0.00</u>	<u>24 595 494.00</u>	<u>0.00</u>
Total			921,782					21,391.00	11,158,153.50	36 689 921.00	150 786 541 628.60
Future											
Jun 2019	EUUS	Future	5	1.1311	1.1334	0.0000	0.0000	0	0.00		
Sep 2019	EUUS	Future	143	1.1400	1.1424	0.0000	0.0000	0	0.00		
			<u>148</u>					<u>0.00</u>	<u>0.00</u>	<u>746 137.00</u>	<u>8 464 558 774.00</u>
Total			148					0.00	0.00	746 137.00	8 464 558 774.00
Future											
Jun 2019	GBUS	Future	350	1.3132	1.3088	0.0000	0.0000	350	4,602,500.00		
			<u>350</u>					<u>350.00</u>	<u>4,602,500.00</u>	<u>176 520.00</u>	<u>2 273 259 237.00</u>
Total			350					350.00	4,602,500.00	176 520.00	2 273 259 237.00
Future											
Jun 2019	ZAAD	Future	27,027	10.0385	10.1068	0.0000	0.0000	0	0.00		
Sep 2019	ZAAD	Future	1,731	10.1702	10.2402	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.2988	10.3693	0.0000	0.0000	0	0.00		

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			29,158					0.00	0.00	3 887 209.00	34 114 011 743.10	
Option												
	Dec 2019	ZAAD	11.00 Call	1,000	184.5534	210.2768	0.0000	0.0000	0	0.00		
				1,000					0.00	0.00	34 377.00	0.00
			Total	30,158					0.00	0.00	3 921 586.00	34 114 011 743.10
Future												
	Jun 2019	ZACA	Future	2,200	10.5442	10.6412	0.0000	0.0000	0	0.00		
	Sep 2019	ZACA	Future	1,165	10.6852	10.7842	0.0000	0.0000	0	0.00		
				3,365					0.00	0.00	158 248.00	1 577 210 800.10
			Total	3,365					0.00	0.00	158 248.00	1 577 210 800.10
Future												
	Jun 2019	ZADK	Future	235	2.1276	2.1494	0.0000	0.0000	0	0.00		
				235					0.00	0.00	14 810.00	319 921 189.00
			Total	235					0.00	0.00	14 810.00	319 921 189.00
Future												
	Jun 2019	ZAEU	Future	120,664	15.8764	16.0380	16.0003	16.0000	46	733,649.50		
	Sep 2019	ZAEU	Future	42,882	16.1799	16.3456	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	Future	32,686	16.4708	16.6387	0.0000	0.0000	0	0.00		
	Mar 2020	ZAEU	Future	4,361	16.7902	16.9597	0.0000	0.0000	0	0.00		
				200,593					46.00	733,649.50	16 700 458.00	242 311 934 483.00
Option												
	Jun 2019	ZAEU	15.35 Put	570	144.8797	116.0606	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.64 Call	300	146.8622	196.4799	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.73 Put	500	984.6866	869.0245	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	15.62 Put	14,429	326.0972	278.7818	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	15.85 Put	587	427.2756	370.1417	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	18.27 Call	14,429	140.7595	169.7218	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	13.73 Put	17,150	42.4222	37.6143	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	14.09 Put	136,646	65.2470	58.3833	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	14.23 Put	61,500	76.6440	68.7906	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	15.70 Put	136,646	392.4786	348.4660	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	15.85 Put	61,500	456.4671	403.7908	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	16.15 Put	17,150	600.5434	536.9851	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	19.79 Call	136,646	155.4090	175.7966	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	19.80 Call	61,500	154.9777	175.0392	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	20.62 Call	17,150	126.6921	138.9264	0.0000	0.0000	0	0.00		
				676,703					0.00	0.00	12 048 500.00	0.00
			Total	877,296					46.00	733,649.50	28 748 958.00	242 311 934 483.00

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Future										
Jun 2019	ZAFR	Future	1,093	14.0853	14.2343	0.0000	0.0000	0	0.00	
Sep 2019	ZAFR	Future	300	14.3685	14.5214	0.0000	0.0000	0	0.00	
			<u>1,393</u>					<u>0.00</u>	<u>0.00</u>	<u>633 002.00</u>
		Total	1,393					0.00	0.00	633 002.00
Future										
Jun 2019	ZAGB	Future	119,354	18.4330	18.5187	18.5573	18.4200	3,560	65,977,995.40	
Sep 2019	ZAGB	Future	22,418	18.7239	18.8124	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	Future	12,845	18.9997	19.0896	0.0000	0.0000	0	0.00	
Mar 2020	ZAGB	Future	4,674	19.2998	19.3892	0.0000	0.0000	0	0.00	
			<u>159,291</u>					<u>3,560.00</u>	<u>65,977,995.40</u>	<u>14 684 276.00</u>
		Total						3,560.00	65,977,995.40	14 684 276.00
Option										
Jun 2019	ZAGB	18.00 Call	1,000	691.9967	768.7063	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	19.15 Put	500	969.6442	932.1448	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	18.75 Put	500	787.4381	764.4424	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	22.13 Call	500	198.2099	215.3454	0.0000	0.0000	0	0.00	
			<u>2,500</u>					<u>0.00</u>	<u>0.00</u>	<u>1 790 813.00</u>
		Total	161,791					3,560.00	65,977,995.40	16 475 089.00
Future										
Jun 2019	ZAKS	Future	2,166	0.1378	0.1388	0.0000	0.0000	0	0.00	
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>
		Total	2,166					0.00	0.00	38 066.00
Future										
Sep 2019	ZANZ	Future	646	9.5982	9.6825	0.0000	0.0000	0	0.00	
			<u>646</u>					<u>0.00</u>	<u>0.00</u>	<u>147 042.00</u>
		Total	646					0.00	0.00	167 042.00
Future										
Jun 2019	ZATR	Future	3,646	2.3699	2.3840	0.0000	0.0000	0	0.00	
			<u>3,646</u>					<u>0.00</u>	<u>0.00</u>	<u>556 277.00</u>
		Total	3,646					0.00	0.00	556 277.00
Future										
Jun 2019	ZAUM	Future	459	14.0362	14.1498	0.0000	0.0000	25	35,232,500.00	
			<u>459</u>					<u>25.00</u>	<u>35,232,500.00</u>	<u>156 773.00</u>
		Total	459					25.00	35,232,500.00	161 296.00

Future

<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 2019	ZAUS	Future	856,992	14.0362	14.1498	14.1552	14.0310	59,765	842,782,007.00
Sep 2019	ZAUS	Future	26,857	14.1931	14.3085	14.2300	14.2000	152	2,161,133.60
Dec 2019	ZAUS	Future	22,753	14.3448	14.4604	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	Future	10,345	14.5102	14.6256	0.0000	0.0000	501	7,284,540.00
Jun 2020	ZAUS	Future	700	14.6775	14.7926	0.0000	0.0000	0	0.00
			<u>917,647</u>					<u>60,418.00</u>	<u>852,227,680.60</u>
									<u>202 603 761.00</u>
									<u>2 460 726 423 186.10</u>

Option

Jun 2019	ZAUS	10.69 Put	1,000	0.2184	0.2246	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	4.6397	4.1948	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	9.2033	7.8095	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	13.5189	9.3169	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.92 Put	2,100	24.6440	18.5650	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	29.9898	23.1844	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	31.9629	24.9088	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.10 Put	14,000	43.4090	35.0650	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.22 Put	122,704	61.0643	51.0783	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	64.4684	54.1982	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	66.2229	55.8108	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.28 Put	122,704	71.6990	60.8560	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.30 Put	143,800	75.5331	64.3974	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.35 Put	4,317	85.7777	73.8997	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	7,500	660.9257	757.9904	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	592.5942	685.9294	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Put	700	156.3942	136.1294	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	247.4181	217.3211	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	416.4008	496.6451	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.91 Put	1,000	285.0743	251.2473	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	376.7237	453.1442	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	20,000	367.2738	442.7259	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	301,700	331.0738	292.9259	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.06 Put	2,100	364.0826	322.7523	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	369.9566	327.8807	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	450.2928	399.6744	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,982	483.0623	429.9092	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.30 Put	30,000	516.8105	461.1591	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	237.6907	293.1908	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	217.7346	269.8967	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.44 Put	31,500	616.1373	553.7666	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	178.0726	223.0572	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	761.0187	690.3013	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	776.8660	705.3274	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.66 Call	122,704	161.0289	202.6840	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	14.72 Call	122,704	149.3394	188.6173	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	1,000	143.8203	181.9504	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.78 Call	250	138.3971	175.5187	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	131.4843	167.2962	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	104.4664	134.5220	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	91.9975	119.1756	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	71.5130	93.6699	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	69.7479	91.4541	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	54.9203	73.8334	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	48.4675	66.8720	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	46.9671	65.1097	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	44.0945	61.7201	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	42.7210	60.0906	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	38.2174	54.7121	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	34.1605	49.8084	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	29.5348	44.1392	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	28.1293	42.3949	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	24.6817	38.0745	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	21.2828	33.7381	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	3.4430	3.2533	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	4.3505	4.1350	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	48.6781	46.9359	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	87.4513	80.3423	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	114.6127	103.9330	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	142.6713	129.5162	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	167.3172	152.0420	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	841.5281	928.9548	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	319.0707	289.5638	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.75 Put	1,000	340.5207	309.4584	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	349.3213	317.6337	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.80 Put	14,000	362.7667	330.1305	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.90 Put	5,908	409.6331	373.8078	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.92 Put	2,149	419.3838	382.9129	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	444.2986	406.2110	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	459.6143	420.5585	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.04 Call	1,000	633.5652	708.6061	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	523.5965	480.6370	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	574.5085	528.4715	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	628.9217	578.6218	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	666.4270	614.1397	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.46 Put	17,287	731.0327	675.4891	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	14,000	450.6795	509.2571	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	14.50 Put	14,000	757.5795	700.7571	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	860.5364	799.0503	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.70 Put	1,000	895.9902	833.0047	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.75 Call	1,000	375.0870	426.0218	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.82 Put	1,000	983.2533	916.7697	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	1005.5269	938.1933	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	312.7957	356.5411	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	306.1406	349.1329	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	279.0378	318.9027	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1425.9235	1345.5549	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	218.4420	250.8751	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1577.9738	1494.0560	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	169.4498	196.6455	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.66 Call	2,149	99.0489	116.0843	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.67 Call	14,000	98.4056	115.3414	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	74.7222	87.0547	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	72.6364	84.3540	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	70.9663	82.5286	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	59.3007	69.7538	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	54.4911	64.4772	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	52.8315	62.6528	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	43.1871	52.5318	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	30.8627	27.8026	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	144.7714	134.4251	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	172.8061	159.4931	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.03 Put	69,000	179.8911	166.0628	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	377.1566	350.1070	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	438.6239	405.1975	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	505.1826	468.1932	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	34,000	535.2355	496.7093	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	571.4253	531.1106	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	576.6949	536.1202	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	587.3025	546.2218	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.11 Put	24,055	592.6450	551.3045	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.12 Put	69,000	598.0117	556.4161	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	764.1138	714.8619	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	331.2831	367.6579	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	278.2479	310.7813	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.20 Call	50,100	268.2922	299.8818	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.25 Call	26,000	261.4353	292.3656	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.35 Call	4,150	248.3224	277.9834	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.37 Call	500	245.7918	275.2077	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	16.55 Call	24,055	224.3475	251.6328	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.85 Call	1,351	193.3604	217.4623	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.99 Call	69,000	180.6871	203.4449	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.02 Call	139,860	178.1048	200.5876	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	154.7442	170.6480	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	49.0896	59.0958	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	42.3409	41.0843	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	12.96 Put	277,778	214.0272	199.0354	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.06 Put	275,862	240.9903	223.9939	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.19 Put	272,897	277.2720	259.0212	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.78 Put	60,000	485.5105	456.4156	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	594.3554	556.7621	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.40 Put	277,778	805.9217	760.0656	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.51 Put	275,862	871.0814	822.9575	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.66 Put	272,897	963.5184	912.3928	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.60 Call	277,778	353.6232	387.8759	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.81 Call	275,862	325.1735	357.1308	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.04 Call	272,897	297.2481	326.8846	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	240.5861	259.9465	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.88 Call	60,000	233.0624	251.7527	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	11.90 Put	900	65.7135	62.7259	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	14.25 Put	900	762.6486	720.6135	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	17.26 Call	900	401.2966	432.0429	0.0000	0.0000	0	0.00		
			<u>5,898,892</u>					<u>0.00</u>	<u>0.00</u>	<u>71 668 316.00</u>	<u>0.00</u>
	Total		6,816,539					60,418.00	852,227,680.60	274 272 077.00	2 460 726 423 186.10
Grand Total			8,886,262					85,790.00	969 932 479.00	375,051,269	3,412,822,519,190.22