



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 10-August-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	563.1499	395.5343	0.0000	0.0000	0	0.00		
			25,000					0.00	0.00	25 000.00	7 830 750.00
		Total	25,000					0.00	0.00	25 000.00	7 830 750.00
Future											
Nov 2018	CX05	Future	25,000	461.6885	183.4984	0.0000	0.0000	0	0.00		
			25,000					0.00	0.00	25 000.00	4 449 500.00
		Total	25,000					0.00	0.00	25 000.00	4 449 500.00
Future											
Sep 2018	DAEU	Future	34	16.1263	15.6181	0.0000	0.0000	0	0.00		
			34					0.00	0.00	801 260.00	11 964 751 196.80
		Total	34					0.00	0.00	1 758 047.00	11 964 751 196.80
Future											
Sep 2018	DAGB	Future	14	18.0739	17.3820	0.0000	0.0000	0	0.00		
			14					0.00	0.00	53 769.00	882 198 966.30
		Total	14					0.00	0.00	261 082.00	882 198 966.30
Future											
Aug 2018	DAUS	Future	70	14.0392	13.3917	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	4,144	14.0392	13.3985	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	600	14.0481	13.4078	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	3,299	14.0681	13.4241	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	14.0736	13.4285	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	5,532	14.1190	13.4691	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	14.1262	13.4760	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	14.1535	13.5017	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.1682	13.5154	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.1755	13.5223	0.0000	0.0000	0	0.00		

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Oct 2018	DAUS	Future	3,442	14.1792	13.5257	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	14.1810	13.5274	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	14.2030	13.5480	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	420	14.2085	13.5531	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	461	14.2324	13.5756	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	3,197	14.2343	13.5774	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	2,078	14.2913	13.6310	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.2950	13.6345	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.3465	13.6830	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	14.3484	13.6847	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	14.3723	13.7072	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	4,725	14.4003	13.7331	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	14.4507	13.7796	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.4619	13.7899	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	14.5143	13.8382	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	14.5724	13.8919	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.6307	13.9457	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.6891	13.9996	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.7526	14.0580	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.8144	14.1143	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.8741	14.1687	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.9400	14.2288	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.0038	14.2870	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.0635	14.3414	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.1273	14.3996	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.1911	14.4578	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.2467	14.5085	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.3167	14.5723	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.4320	14.6775	0.0000	0.0000	0	0.00
			<u>121,744</u>					<u>0.00</u>	<u>0.00</u>
									<u>10 523 872.00</u>
									<u>128 364 768 389.90</u>
Option									
Aug 2018	DAUS	13.18 Put	350	2.0267	41.7553	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.22 Call	350	821.7340	229.3056	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.43 Put	106	7.8673	130.6542	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.55 Call	106	503.7162	58.6416	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.35 Put	20,000	8.0672	106.0105	0.0000	0.0000	20,000	0.00
Aug 2018	DAUS	13.60 Put	20,000	28.5830	0.0000	0.0000	0.0000	40,000	0.00
Aug 2018	DAUS	13.80 Put	20,000	67.1029	0.0000	0.0000	0.0000	20,000	0.00
Aug 2018	DAUS	13.21 Put	50,000	8.0860	80.8220	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	13.2002	49.0075	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	507.9553	120.8909	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	138.0243	459.8114	0.0000	0.0000	0	0.00

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Aug 2018	DAUS	16.05 Call	500	5.4860	0.4270	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	1.9152	0.3800	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.43 Put	10,000	60.3373	225.4103	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.44 Put	15,000	62.2771	230.7036	0.0000	0.0000	0	0.00
Sep 2018	DAUS	12.90 Put	100	14.1981	46.7231	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.09 Put	600	25.0316	91.0095	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.32 Call	600	808.2137	290.2060	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.45 Call	100	698.9121	224.3675	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Call	100	451.3886	110.2730	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.90 Call	600	392.6840	89.1443	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	57.4383	184.4930	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	40.3026	113.1891	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	569.3763	193.5629	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	238.5218	518.7071	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	34.0715	2.4971	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	18.3880	2.1476	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.51 Call	5,000	801.1283	340.0103	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	104.0451	225.2295	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	546.5390	207.8031	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	79.2560	167.6387	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	308.0233	567.2755	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	616.5466	253.2293	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	70.7629	13.1856	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	45.6465	6.0687	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	14.7434	16.8654	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	342.5925	613.4908	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	59.7102	9.5024	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	3.5984	3.9079	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	11.9983	14.6909	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1130.3952	605.7779	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	111.3723	204.7770	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	357.4480	601.6268	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	647.9942	292.0671	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	101.1135	25.3737	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	70.2218	13.9842	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	309.8021	519.0120	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	229.7799	77.5927	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	179.2569	304.2552	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	206.2580	348.2030	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	489.0822	211.9101	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	460.8865	196.8519	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	141.2482	233.7948	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	13.80 Put	1,000	398.5827	627.8210	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.22 Call	500	682.7503	326.8763	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	129.1011	41.5278	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	95.8440	28.5949	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	12.66 Put	263	98.1109	150.6824	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.00 Put	500	170.9184	260.5668	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.38 Call	500	709.5578	354.0991	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	193.7882	283.7897	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	732.9028	379.0077	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.00 Put	500	214.5769	306.3537	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.67 Call	500	753.5900	402.8275	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	233.9781	327.4335	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	1412.9276	889.8056	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	772.2417	423.9195	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	251.4952	347.9615	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	790.1821	443.7974	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	262.1074	364.6337	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	803.3518	458.7655	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	418.3641	557.5877	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	508.8763	262.4036	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	273.9228	382.4280	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	823.9843	479.1255	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	279.5808	400.3446	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	834.2574	496.3216	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	291.9715	417.3872	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	851.3675	519.5088	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	301.0274	433.6010	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	861.2138	536.9648	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	307.1002	447.1234	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	875.1641	556.2130	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	315.7812	460.5878	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	889.1540	575.8458	0.0000	0.0000	0	0.00		
			<u>460,422</u>					<u>80,000.00</u>	<u>0.00</u>	<u>19 715 577.00</u>	<u>0.00</u>
	Total		582,166					80,000.00	0.00	30 239 449.00	128 364 768 389.90

Option

Aug 2018	DAYJ	8.07 Put	13,000	2297.2896	429.0476	0.0000	0.0000	0	0.00		
Aug 2018	DAYJ	8.27 Call	13,000	86.2398	1060.6423	0.0000	0.0000	0	0.00		
Aug 2018	DAYJ	8.35 Call	20,000	62.6403	710.5650	0.0000	0.0000	0	0.00		
Sep 2018	DAYJ	8.26 Call	25,000	168.7505	1401.9239	0.0000	0.0000	0	0.00		
			<u>71,000</u>					<u>0.00</u>	<u>0.00</u>	<u>50 000.00</u>	<u>0.00</u>

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		Total	71,000					0.00	0.00	50 000.00	0.00
Future											
	Sep 2018	EUUS	Future	240	1.1462	1.1634	1.1509	1.1485	30	344,910.00	
				240					30.00	344,910.00	729 624.00
			Total	240					30.00	344,910.00	8 272 439 727.00
Future											
	Sep 2018	GBUS	Future	14	1.2795	1.2899	0.0000	0.0000	0	0.00	
				14					0.00	0.00	167 353.00
			Total	14					0.00	0.00	2 152 976 011.00
Future											
	Sep 2018	ZAAD	Future	11,762	10.3177	9.9818	10.2000	10.1748	57	580,467.60	
	Dec 2018	ZAAD	Future	11,822	10.4385	10.0976	0.0000	0.0000	0	0.00	
	Mar 2019	ZAAD	Future	510	10.5733	10.2264	0.0000	0.0000	0	0.00	
	Jun 2019	ZAAD	Future	4,929	10.7052	10.3507	0.0000	0.0000	0	0.00	
				29,023					57.00	580,467.60	3 688 099.00
			Total	29,023					57.00	580,467.60	32 034 724 958.10
Future											
	Dec 2018	ZACA	Future	590	10.9194	10.4345	0.0000	0.0000	0	0.00	
				590					0.00	0.00	137 623.00
			Total	590					0.00	0.00	1 354 709 052.10
Future											
	Sep 2018	ZADK	Future	245	2.1742	2.1048	0.0000	0.0000	0	0.00	
	Dec 2018	ZADK	Future	235	2.2163	2.1452	0.0000	0.0000	0	0.00	
				480					0.00	0.00	12 085.00
			Total	480					0.00	0.00	259 978 669.00
Future											
	Sep 2018	ZAEU	Future	130,646	16.1598	15.6483	16.2585	16.0000	257	4,157,707.30	
	Dec 2018	ZAEU	Future	35,933	16.4577	15.9348	16.4065	16.2936	505	8,284,718.00	
	Mar 2019	ZAEU	Future	4,686	16.7950	16.2588	0.0000	0.0000	0	0.00	
	Jun 2019	ZAEU	Future	5,256	17.1185	16.5670	0.0000	0.0000	0	0.00	
				176,521					762.00	12,442,425.30	15 139 317.00
			Total	176,521					762.00	12,442,425.30	216 369 213 235.10
Option											
	Sep 2018	ZAEU	13.50 Put	29,734	1.7823	1.3606	0.0000	0.0000	0	0.00	
	Sep 2018	ZAEU	14.25 Put	57,090	5.8680	9.7317	0.0000	0.0000	0	0.00	
	Sep 2018	ZAEU	15.85 Put	86,824	201.4172	408.8187	0.0000	0.0000	0	0.00	

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Sep 2018	ZAEU	16.76 Call	29,734	158.6868	41.2996	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	3.3025	1.5188	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	16.00 Call	650	1230.5980	846.8848	0.0000	0.0000	0	0.00	
			<u>290,856</u>					<i>0.00</i>	<i>0.00</i>	
		Total	467,377					762.00	12,442,425.30	
									23 164 329.00 216 369 213 235.10	
Future										
Sep 2018	ZAFR	Future	1,975	14.2342	13.5658	0.0000	0.0000	0	0.00	
Dec 2018	ZAFR	Future	650	14.5099	13.8267	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	15.1227	14.4057	0.0000	0.0000	0	0.00	
			<u>2,775</u>					<i>0.00</i>	<i>0.00</i>	
		Total	2,775					0.00	0.00	
									616 325.00 6 602 585 530.30	
Future										
Sep 2018	ZAGB	Future	197,643	18.0394	17.3493	18.1069	17.8000	5,484	98,880,756.80	
Dec 2018	ZAGB	Future	14,284	18.3165	17.6142	18.3758	18.2400	34	623,232.00	
Mar 2019	ZAGB	Future	4,932	18.6303	17.9125	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	6,156	18.9269	18.1909	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	4,645	19.2578	18.5016	0.0000	0.0000	0	0.00	
			<u>227,660</u>					<i>5,518.00</i>	<i>99,503,988.80</i>	
		Total	227,660					5,518.00	99,503,988.80	
									11 982 146.00 201 803 358 325.60	
Future										
Sep 2018	ZAJY	Future	115	0.1276	0.1215	0.0000	0.0000	0	0.00	
			<u>115</u>					<i>0.00</i>	<i>0.00</i>	
		Total	115					0.00	0.00	
									994 149.00 11 092 203 963.90	
Future										
Sep 2018	ZAKS	Future	562	0.1392	0.1330	0.0000	0.0000	0	0.00	
Jun 2019	ZAKS	Future	1,093	0.1380	0.1308	0.0000	0.0000	0	0.00	
			<u>1,655</u>					<i>0.00</i>	<i>0.00</i>	
		Total	1,655					0.00	0.00	
									35 358.00 476 333 960.00	
Future										
Sep 2018	ZATR	Future	17,270	2.1776	2.4988	0.0000	0.0000	12,000	27,800,400.00	
			<u>17,270</u>					<i>12,000.00</i>	<i>27,800,400.00</i>	
		Total	17,270					12,000.00	27,800,400.00	
									324 699.00 1 098 262 645.00	
Future										
Sep 2018	ZAUM	Future	355	14.0990	13.4502	14.1770	13.9865	10	14,081,750.00	
Dec 2018	ZAUM	Future	20	14.2600	13.6016	0.0000	0.0000	0	0.00	

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Mar 2019	ZAUM	Future	5	14.4339	13.7641	0.0000	0.0000	0	0.00	
			380					10.00	14,081,750.00	
		Total	380					10.00	14,081,750.00	
									152 166.00	
									175 579 536 270.00	
									156 689.00	
									175 579 536 270.00	
Future										
Sep 2018	ZAUS	Future	504,309	14.0990	13.4502	14.2092	13.8475	328,825	4,590,576,949.40	
Dec 2018	ZAUS	Future	100,874	14.2600	13.6016	14.3664	14.0772	151,629	2,135,985,544.50	
Mar 2019	ZAUS	Future	9,300	14.4339	13.7641	0.0000	0.0000	6,000	85,908,500.00	
Jun 2019	ZAUS	Future	15,910	14.5987	13.9162	0.0000	0.0000	200	2,868,980.00	
			630,393					486,654.00	6,815,339,973.90	
									180 489 717.00	
									2 140 340 614 803.30	
Option										
Sep 2018	ZAUS	11.48 Put	5,200	1.3451	0.8653	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.50 Put	45,000	1.3828	0.9187	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.60 Put	2,000	1.5897	1.2391	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.75 Put	93,314	1.9666	1.9371	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.85 Put	48,200	2.2723	2.6059	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.90 Put	3,000	2.4447	3.0209	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.00 Put	13,300	2.8351	4.0557	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.25 Call	500	1853.1564	1209.1330	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.25 Put	40,000	4.1564	8.9330	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.30 Put	100	4.4974	10.4993	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.38 Put	60,000	5.1110	13.5390	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.50 Call	4,600	1605.2197	969.8288	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.50 Put	44,000	6.2197	19.6288	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.58 Put	8,000	7.1112	24.9699	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.61 Put	13,231	7.4827	27.2885	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.65 Put	1,550	8.0132	30.6791	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.77 Call	5,200	1340.4929	723.4060	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.80 Call	50	1311.8756	697.1667	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.80 Put	500	12.8756	46.9667	0.0000	0.0000	500	0.00	
Sep 2018	ZAUS	12.85 Put	750	15.4843	55.7154	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.00 Call	7,500	1125.0109	539.4308	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.00 Put	72,000	26.0109	89.2308	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.10 Put	2,500	35.7653	118.2501	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.20 Call	4,000	947.1838	403.2719	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.20 Put	4,000	48.1838	153.0719	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.22 Put	10,000	51.0247	160.7553	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.25 Call	1,250	904.5221	372.9383	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.25 Put	74,064	55.5221	172.7383	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.30 Call	500	862.6809	344.1316	0.0000	0.0000	500	0.00	
Sep 2018	ZAUS	13.50 Call	2,000	705.4529	245.6238	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.60 Call	26,000	633.6217	207.3857	0.0000	0.0000	0	0.00	

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Sep 2018	ZAUS	13.60 Put	4,000	134.6217	357.1857	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	599.4210	190.2872	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.66 Call	100	592.7202	187.0217	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	393.4576	102.1698	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	294.4576	651.9698	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	304.6820	70.6573	0.0000	0.0000	500	0.00
Sep 2018	ZAUS	14.70 Call	63,000	159.6249	27.5081	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	107.0959	14.8510	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	28.0193	1.7684	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	25.3468	1.5168	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	21.9736	1.2188	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	17.7545	1.1817	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	14.7857	21.0037	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	17.9091	24.9788	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	23.1073	31.5696	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	27.2726	36.8505	0.0000	0.0000	80	0.00
Dec 2018	ZAUS	12.02 Put	5,500	28.1802	38.0024	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	32.0835	42.9619	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	37.6207	50.0247	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	40.6887	53.9745	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	49.7007	71.6065	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1819.4983	1193.0415	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	59.4983	91.4415	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	71.9339	117.2023	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	77.2720	128.3782	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	85.3064	145.2691	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	116.0346	202.8115	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1385.9162	821.5168	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	175,030	125.9162	219.9168	0.0000	0.0000	80	0.00
Dec 2018	ZAUS	13.10 Put	11,300	147.4576	256.7719	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1231.4662	698.7647	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	176.5728	305.6687	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1194.4284	670.2880	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	27,800	184.4284	318.6880	0.0000	0.0000	20,000	0.00
Dec 2018	ZAUS	13.45 Call	500	1052.9201	565.1284	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	13.45 Put	4,080	242.9201	413.5284	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	1019.2486	540.9854	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	36,300	259.2486	439.3854	0.0000	0.0000	10,000	0.00
Dec 2018	ZAUS	13.60 Put	66,000	295.2229	0.0000	0.0000	0.0000	66,000	0.00
Dec 2018	ZAUS	13.70 Put	7,300	335.3858	552.9979	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	339.5686	559.1114	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	849.6750	424.3583	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.79 Put	10,000	374.0963	609.1142	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	838.5440	417.0996	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	378.5440	615.4996	0.0000	0.0000	400	0.00
Dec 2018	ZAUS	13.95 Call	39,589	758.8128	366.2997	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	21,010	733.6848	350.7319	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	671.6546	313.2311	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	585.9856	263.2501	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	578.1079	258.7429	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	14.38 Call	30	566.4861	252.1298	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	543.9106	239.4301	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	487.9143	208.7307	0.0000	0.0000	132,000	0.00
Dec 2018	ZAUS	14.61 Call	1,500	484.6106	206.9544	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	481.3291	205.1968	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	455.8591	191.6875	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	440.6379	183.7301	0.0000	0.0000	80	0.00
Dec 2018	ZAUS	14.80 Call	400	425.9291	0.0000	0.0000	0.0000	800	0.00
Dec 2018	ZAUS	14.84 Call	1,000	414.5229	170.2958	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	100	372.1418	148.5891	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	369.6719	147.2817	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	350.5430	137.2357	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	336.8969	130.1749	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	271.5273	97.6275	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	235.8735	80.8545	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	7.2433	6.0088	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	25.1136	47.3390	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	48.2079	80.0832	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	97.9344	146.8671	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	104.2505	0.0000	0.0000	0.0000	720	0.00
Mar 2019	ZAUS	13.45 Call	4,145	1325.1558	807.5692	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	344.7554	498.4834	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	455.9435	655.2361	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	506.4353	721.1852	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	525.5059	0.0000	0.0000	0.0000	720	0.00
Mar 2019	ZAUS	14.30 Call	500	869.9990	476.0806	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	795.8774	426.2670	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	627.8635	321.0413	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	566.6362	0.0000	0.0000	0.0000	720	0.00
Mar 2019	ZAUS	15.45 Call	20,000	496.0747	239.1617	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	475.5742	226.3364	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	17.2955	10.5853	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	86.4417	150.4909	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	184.2222	273.4244	0.0000	0.0000	0	0.00

