



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 12-October-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	698.3425	698.9971	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>25 000.00</u>	<u>7 830 750.00</u>
		Total	25,000					0.00	0.00	25 000.00	7 830 750.00
Future											
Nov 2018	DAEU	Future	37	16.7715	16.9867	0.0000	0.0000	0	0.00		
			<u>37</u>					<u>0.00</u>	<u>0.00</u>	<u>801 399.00</u>	<u>11 967 156 360.40</u>
Option											
Aug 2019	DAEU	17.01 Put	31,200	673.4794	593.7721	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	632.8643	701.2990	0.0000	0.0000	0	0.00		
			<u>93,600</u>					<u>0.00</u>	<u>0.00</u>	<u>1 390 587.00</u>	<u>0.00</u>
		Total	93,637					0.00	0.00	2 191 986.00	11 967 156 360.40
Future											
Oct 2018	DAGB	Future	48	19.0195	19.3479	0.0000	0.0000	0	0.00		
Nov 2018	DAGB	Future	13	19.0567	19.3824	0.0000	0.0000	0	0.00		
			<u>61</u>					<u>0.00</u>	<u>0.00</u>	<u>53 906.00</u>	<u>888 158 311.00</u>
		Total	61					0.00	0.00	261 219.00	888 158 311.00
Future											
Oct 2018	DAUS	Future	4,314	14.4568	14.6351	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	14.4568	14.6334	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.4716	14.6487	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.4791	14.6564	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,500	14.4810	14.6583	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	4,209	14.4829	14.6602	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	14.4848	14.6621	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.5075	14.6851	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	24	14.5113	14.6890	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	308	14.5132	14.6909	0.0000	0.0000	0	0.00		

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Nov 2018	DAUS	Future	179	14.5246	14.7025	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	461	14.5378	14.7160	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	8,824	14.5397	14.7179	0.0000	0.0000	14	203,427.00
Dec 2018	DAUS	Future	3,672	14.5625	14.7410	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	3,714	14.5985	14.7776	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.6023	14.7814	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.6550	14.8350	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,020	14.6569	14.8369	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	14.6811	14.8617	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	5,787	14.7091	14.8903	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,731	14.7594	14.9419	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,029	14.7631	14.9457	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.7706	14.9533	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	14.8229	15.0071	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	14.8809	15.0671	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.9390	15.1270	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.9973	15.1868	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	15.0578	15.2485	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.1145	15.3064	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.1724	15.3652	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	15.2394	15.4326	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.3043	15.4980	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.3650	15.5591	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.4298	15.6245	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.4947	15.6899	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.5512	15.7468	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.6224	15.8185	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.7396	15.9365	0.0000	0.0000	0	0.00
			<u>129,657</u>					<u>14.00</u>	<u>203,427.00</u>
									<u>10 716 992.00</u>
									<u>131 188 492 405.50</u>
Option									
Oct 2018	DAUS	14.88 Put	314	428.7391	286.0525	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.96 Call	314	3.6411	29.3890	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.50 Put	20,000	173.4975	113.3014	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	1.3085	2.0272	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	499.4808	660.7510	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	4.3949	3.3283	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	32.8535	23.1106	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	607.6660	763.3590	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.97 Put	600	63.2413	38.8477	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	149.1155	100.4096	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.34 Put	171	187.2966	129.4500	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.44 Call	171	278.7627	387.6850	0.0000	0.0000	0	0.00

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Oct 2018	DAUS	14.45 Call	600	273.9692	381.8265	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	186.2343	268.7464	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.82 Put	114	478.9212	369.7690	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.90 Call	600	122.3040	183.4581	0.0000	0.0000	0	0.00
Oct 2018	DAUS	15.01 Call	114	99.5394	151.9128	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	5.0062	9.4721	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	1.8048	3.3469	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	0.2477	0.2001	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	56.8578	38.1432	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	4.7584	8.5184	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.34 Put	171	255.2717	194.5259	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.50 Call	171	347.5416	451.7450	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.0773	0.0780	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	0.4561	0.4929	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1307.9943	1479.6014	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	268.7207	351.6996	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	261.9967	343.4612	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	216.3601	286.9675	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	593.1601	486.0675	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	242.7025	317.5928	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	339.5477	432.6497	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	11.9932	11.4548	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	107.9027	79.7843	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	120.8516	89.7369	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	653.3497	785.8228	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	261.9003	204.7730	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	524.0280	641.6468	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.80 Call	600	308.3349	388.9560	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	301.8081	381.1378	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	37.2355	51.9693	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	18.7760	26.8875	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1069.6158	939.6238	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	148.1999	112.5509	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	300.2197	238.8495	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	651.0668	548.4934	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	950.2995	826.6463	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	95.0451	72.0132	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	146.5274	112.6485	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	270.4919	337.6652	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	149.1998	190.5318	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	175.3692	137.8261	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	332.5352	270.3051	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	14.90 Put	35,000	679.3899	579.7135	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	971.6479	852.0663	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	40.4713	33.4977	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	51.8905	38.7526	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	446.5806	540.8578	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	412.4611	500.2701	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	34.5660	30.4022	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	161.9326	128.9223	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	693.3762	814.0486	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	328.2537	268.1624	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	736.2578	634.9804	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	73.7643	93.6464	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	44.5008	56.9727	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	30.6719	25.8827	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	58.0811	49.6577	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	360.7890	0.0000	0.0000	0.0000	250	0.00
Jan 2019	DAUS	14.25 Put	250	383.4963	321.1321	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	722.9875	834.2576	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	429.4741	504.3922	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	339.9911	0.0000	0.0000	0.0000	250	0.00
Feb 2019	DAUS	13.00 Put	500	78.7048	66.7420	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	403.4037	0.0000	0.0000	0.0000	250	0.00
Feb 2019	DAUS	14.25 Put	250	426.5078	361.9413	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	752.1618	856.6748	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	476.8007	549.6932	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	384.9949	0.0000	0.0000	0.0000	250	0.00
Mar 2019	DAUS	14.00 Put	50,000	351.9970	301.4993	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	98.5666	82.2595	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	441.8738	0.0000	0.0000	0.0000	250	0.00
Mar 2019	DAUS	14.25 Put	250	465.2386	399.2733	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	779.1201	878.2042	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	515.9952	586.7711	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	427.1484	0.0000	0.0000	0.0000	250	0.00
Apr 2019	DAUS	13.00 Put	3,000	116.0454	95.9665	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1554.0636	1703.9047	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	477.2090	0.0000	0.0000	0.0000	250	0.00
Apr 2019	DAUS	14.25 Put	250	500.7647	433.4795	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	804.5078	898.9053	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	553.0046	622.1599	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	469.6314	0.0000	0.0000	0.0000	250	0.00
May 2019	DAUS	13.00 Put	500	131.6948	107.0732	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	507.5860	0.0000	0.0000	0.0000	250	0.00

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May 2019	DAUS	14.25 Put	250	531.3408	465.1011	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	827.7170	919.3861	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	586.8078	654.4061	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	504.2209	0.0000	0.0000	0.0000	250	0.00
Jun 2019	DAUS	14.72 Put	20,000	799.5207	713.7881	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	361.4237	403.8854	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	142.7147	114.8217	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	533.0793	0.0000	0.0000	0.0000	250	0.00
Jun 2019	DAUS	14.25 Put	250	556.9247	491.4863	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	845.9095	935.1977	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	613.3394	679.7607	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	533.6083	0.0000	0.0000	0.0000	250	0.00
Jul 2019	DAUS	13.45 Put	39,250	264.1307	220.8962	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	520.6850	576.7625	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	153.5180	121.2689	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	561.8843	0.0000	0.0000	0.0000	250	0.00
Jul 2019	DAUS	14.25 Put	250	584.2028	520.5927	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	873.2094	960.3037	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	647.6062	713.5449	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	570.0177	0.0000	0.0000	0.0000	250	0.00
Aug 2019	DAUS	14.48 Put	3,950	710.6899	633.0845	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,950	629.2603	691.9347	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	160.9413	127.5264	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	586.2762	0.0000	0.0000	0.0000	250	0.00
Aug 2019	DAUS	14.25 Put	250	608.5712	545.0417	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	889.5569	974.2193	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	671.5648	736.3698	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	593.4375	0.0000	0.0000	0.0000	250	0.00
Sep 2019	DAUS	19.00 Call	20,000	326.0458	350.1940	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	174.9038	141.8445	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	608.6891	0.0000	0.0000	0.0000	250	0.00
Sep 2019	DAUS	14.25 Put	250	631.0059	567.2595	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	912.8798	996.2859	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	700.0106	764.3205	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	619.2201	0.0000	0.0000	0.0000	250	0.00
Oct 2019	DAUS	13.00 Put	500	188.2701	156.6663	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	631.9499	0.0000	0.0000	0.0000	250	0.00
Oct 2019	DAUS	14.25 Put	250	654.4233	590.4630	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	933.9534	1016.0252	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	727.0481	791.5056	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	648.4622	0.0000	0.0000	0.0000	250	0.00
Nov 2019	DAUS	13.00 Put	500	205.5320	170.6958	0.0000	0.0000	0	0.00

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Nov 2019	DAUS	14.20 Put	250	653.0531	0.0000	0.0000	0.0000	250	0.00	
Nov 2019	DAUS	14.25 Put	250	675.8977	610.5286	0.0000	0.0000	0	0.00	
Nov 2019	DAUS	16.03 Call	500	962.7165	1043.5498	0.0000	0.0000	0	0.00	
Nov 2019	DAUS	16.87 Call	250	759.0024	823.2458	0.0000	0.0000	0	0.00	
Nov 2019	DAUS	17.26 Call	250	682.0520	0.0000	0.0000	0.0000	250	0.00	
Dec 2019	DAUS	13.00 Put	500	223.4734	186.9531	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	14.20 Put	250	673.2647	0.0000	0.0000	0.0000	250	0.00	
Dec 2019	DAUS	14.25 Put	250	696.2048	630.0761	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	16.21 Call	500	991.5897	1070.8453	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	17.05 Call	250	792.8962	857.2810	0.0000	0.0000	0	0.00	
Dec 2019	DAUS	17.44 Call	250	717.9075	0.0000	0.0000	0.0000	250	0.00	
			<u>825,603</u>					<u>6,000.00</u>	<u>0.00</u>	<u>20 892 410.00</u>
	Total		955,260					6,014.00	203,427.00	31 609 402.00
										131 188 492 405.50
Future										
Dec 2018	EUUS	Future	40	1.1614	1.1621	0.0000	0.0000	0	0.00	
			<u>40</u>					<u>0.00</u>	<u>0.00</u>	<u>744 445.00</u>
	Total		40					0.00	0.00	744 445.00
										8 445 126 755.00
Future										
Dec 2018	GBUS	Future	30	1.3190	1.3253	0.0000	0.0000	0	0.00	
			<u>30</u>					<u>0.00</u>	<u>0.00</u>	<u>169 421.00</u>
	Total		30					0.00	0.00	169 421.00
										2 180 058 224.00
Future										
Dec 2018	ZAAD	Future	36,597	10.3714	10.4895	10.3663	10.3637	24	248,775.60	
Mar 2019	ZAAD	Future	420	10.5105	10.6308	0.0000	0.0000	0	0.00	
Jun 2019	ZAAD	Future	4,929	10.6452	10.7693	0.0000	0.0000	0	0.00	
			<u>41,946</u>					<u>24.00</u>	<u>248,775.60</u>	<u>3 739 256.00</u>
	Total		41,946					24.00	248,775.60	3 771 633.00
										32 585 491 081.40
Future										
Dec 2018	ZACA	Future	600	11.1956	11.3079	0.0000	0.0000	0	0.00	
			<u>600</u>					<u>0.00</u>	<u>0.00</u>	<u>137 653.00</u>
	Total		600					0.00	0.00	137 653.00
										1 355 055 071.60
Future										
Dec 2018	ZADK	Future	240	2.2912	2.3179	0.0000	0.0000	0	0.00	
			<u>240</u>					<u>0.00</u>	<u>0.00</u>	<u>12 335.00</u>
	Total		240					0.00	0.00	12 335.00
										265 809 909.00

<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>		
Future											
Dec 2018	ZAEU	Future	108,098	16.9169	17.1348	17.0020	16.9100	818	13,826,296.50		
Mar 2019	ZAEU	Future	36,666	17.2732	17.4959	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	17.6070	17.8372	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	Future	6,834	17.9753	18.2128	0.0000	0.0000	0	0.00		
			<u>156,854</u>					<u>818.00</u>	<u>13,826,296.50</u>	<u>15 580 766.00</u>	<u>224 016 132 545.40</u>
Option											
Mar 2019	ZAEU	15.60 Put	462	138.4693	115.3459	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	16.00 Call	650	1503.0218	1682.4856	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	17.33 Put	462	816.0645	707.5703	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	19.65 Call	462	237.0454	277.7064	0.0000	0.0000	0	0.00		
			<u>2,036</u>					<u>0.00</u>	<u>0.00</u>	<u>10 794 564.00</u>	<u>0.00</u>
		Total	158,890					818.00	13,826,296.50	26 375 330.00	224 016 132 545.40
Future											
Dec 2018	ZAFR	Future	1,748	14.7589	14.9730	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	15.3936	15.6187	0.0000	0.0000	0	0.00		
			<u>1,898</u>					<u>0.00</u>	<u>0.00</u>	<u>620 576.00</u>	<u>6 667 908 161.60</u>
		Total	1,898					0.00	0.00	620 576.00	6 667 908 161.60
Future											
Dec 2018	ZAGB	Future	439,608	19.2128	19.5421	19.3002	19.2350	1,619	31,114,097.60		
Mar 2019	ZAGB	Future	6,644	19.5432	19.8784	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	5,856	19.8508	20.1932	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	10,363	20.1870	20.5367	0.0000	0.0000	0	0.00		
			<u>462,471</u>					<u>1,619.00</u>	<u>31,114,097.60</u>	<u>12 815 024.00</u>	<u>218 011 744 417.00</u>
Option											
Dec 2018	ZAGB	19.30 Call	200	527.8025	714.1182	0.0000	0.0000	0	0.00		
Dec 2018	ZAGB	21.00 Call	400	119.8432	180.1583	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	18.00 Put	500	288.7084	229.8534	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.00 Call	500	714.6371	872.2607	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	344.7655	431.4122	0.0000	0.0000	0	0.00		
			<u>2,100</u>					<u>0.00</u>	<u>0.00</u>	<u>1 776 213.00</u>	<u>0.00</u>
		Total	464,571					1,619.00	31,114,097.60	14 591 237.00	218 011 744 417.00
Future											
Dec 2018	ZAJY	Future	6,905	0.1305	0.1319	0.0000	0.0000	0	0.00		
			<u>6,905</u>					<u>0.00</u>	<u>0.00</u>	<u>1 021 902.00</u>	<u>11 470 576 312.50</u>
		Total	6,905					0.00	0.00	1 021 902.00	11 470 576 312.50
Future											

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Jun 2019	ZAKS	Future	2,166	0.1422	0.1440	0.0000	0.0000	0	0.00	
			<u>2,166</u>					0.00	0.00	38 066.00
		Total	2,166					0.00	0.00	38 066.00
Future										
Dec 2018	ZATR	Future	12,000	2.3666	2.3693	0.0000	0.0000	0	0.00	
			<u>12,000</u>					0.00	0.00	383 239.00
		Total	12,000					0.00	0.00	383 239.00
Future										
Dec 2018	ZAUM	Future	335	14.5662	14.7449	0.0000	0.0000	0	0.00	
Mar 2019	ZAUM	Future	10	14.7426	14.9247	0.0000	0.0000	0	0.00	
			<u>345</u>					0.00	0.00	153 049.00
		Total	345					0.00	0.00	157 572.00
Future										
Dec 2018	ZAUS	Future	875,298	14.5662	14.7449	14.6271	14.5500	42,949	628,445,538.70	
Mar 2019	ZAUS	Future	50,281	14.7426	14.9247	14.7711	14.7423	3,689	54,354,330.00	
Jun 2019	ZAUS	Future	18,950	14.9071	15.0941	14.8924	14.8924	10	148,924.00	
Sep 2019	ZAUS	Future	20,642	15.0843	15.2755	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	Future	3,966	15.4591	15.6540	0.0000	0.0000	0	0.00	
			<u>969,137</u>					<u>46,648.00</u>	<u>682,948,792.70</u>	<u>187 786 813.00</u>
										<u>2 249 400 778 477.80</u>
Option										
Dec 2018	ZAUS	11.64 Put	2,764	3.3480	2.5905	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	11.75 Put	228,616	3.9075	3.2738	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	11.90 Put	11,300	4.7760	4.2036	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.00 Put	174,530	5.4646	4.8601	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.02 Put	5,500	5.6144	5.0032	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.10 Put	8,580	6.2575	5.6200	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.20 Put	7,300	7.1716	6.5005	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.25 Put	3,300	7.6803	6.9919	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.38 Put	39,589	9.1888	8.4535	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.50 Call	228,616	2077.0606	2254.9782	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.50 Put	26,400	10.8606	10.0782	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.63 Put	39,589	13.0409	12.2005	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.68 Put	10,000	13.9993	13.1335	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.75 Put	1,000	15.4690	14.5633	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.95 Put	500	20.6486	19.5918	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.00 Call	6,000	1588.4142	1766.0061	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.00 Put	177,520	22.2142	21.1061	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.05 Put	1,500	23.9073	22.7410	0.0000	0.0000	0	0.00	

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Dec 2018	ZAUS	13.10 Put	11,300	25.7627	24.5050	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1400.4156	1573.3647	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	36.1398	29.3327	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1355.3820	1525.5841	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	39.1820	30.6841	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	47.0490	34.8866	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	48.2642	35.8184	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1180.9829	1343.4903	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	64.7829	48.5903	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1138.9853	1299.7377	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	72.7853	54.8377	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	90.9367	69.1390	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	107.6480	82.4441	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	112.1451	86.0462	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	123.9625	95.5488	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	134.0195	103.6803	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	902.8204	1050.6887	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	500	136.6204	105.7887	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	165.8328	128.5740	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	13.95 Call	39,589	798.0468	936.0666	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,200	765.0136	899.4842	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	198.8136	154.5842	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	235.6227	185.6385	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	243.4495	192.2913	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	683.6197	810.5744	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	255.4759	202.5520	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	259.5619	206.0467	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	642.4914	765.2966	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	276.2914	220.3966	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	293.6384	235.3452	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	614.2705	734.0765	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	320.8035	258.8935	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	571.0992	686.0747	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	334.8992	271.1747	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	560.6850	674.4492	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	344.4850	279.5492	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	364.1092	296.7439	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	535.3079	646.0363	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	515.6728	623.9744	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	1,200	487.3208	591.9893	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	421.1208	347.0893	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	426.5218	351.8870	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.60 Call	84,900	443.7453	541.5911	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,500	477.5453	396.6911	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	14.61 Call	1,500	439.6619	536.7491	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	435.6129	531.9427	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	415.8799	508.4364	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	519.6799	433.5364	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	404.4392	494.7528	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	563.4414	472.0860	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	386.0222	472.6297	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	569.8222	477.7297	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	368.3972	452.0403	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	602.1972	507.1403	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	354.8529	436.1631	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	351.5415	432.2750	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	669.2250	568.4128	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	305.3181	377.7059	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	15.00 Put	30,700	739.1181	632.8059	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	302.4569	374.3097	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	280.5028	348.1744	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	277.8724	345.0339	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	265.0884	329.7398	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	886.6942	770.2089	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	925.0681	806.2178	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	963.9868	842.8434	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	215.3705	270.0116	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	197.7414	248.8244	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	194.0300	244.3506	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	190.3906	239.9570	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1124.1906	995.0570	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	188.5955	237.7639	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	174.8676	220.9425	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	173.2265	218.9258	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	171.5996	216.9299	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	157.6736	199.7769	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	153.3015	194.3746	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1412.1398	1270.9333	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	137.0593	174.2412	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	129.6374	165.0064	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	10,050	119.3067	152.1107	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	107.1502	137.7902	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	104.0607	134.1400	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	98.1568	127.1502	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	16.24 Call	750	94.4150	122.7100	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.50 Call	1,000	73.4659	96.2038	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	69.3694	90.9702	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	55.2652	72.8582	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	45.8699	60.6990	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	3.1742	2.6365	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	12.0615	11.1112	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	41.3243	34.4256	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	44.0447	36.6977	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	79.2102	66.1974	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	81.4956	68.1240	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	91.1719	76.2889	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	97.6742	81.7842	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	107.3892	90.0123	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	111.7794	93.7368	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	127.4446	107.0500	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	142.2432	118.7475	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	148.7941	123.3871	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	172.1291	142.1161	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	182.1199	150.7573	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	195.1479	162.0599	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	4,000	208.7825	173.9289	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	231.8802	194.1210	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	237.9014	199.4036	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	244.0258	204.7811	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	253.3983	213.0262	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	266.2531	224.3560	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	289.7227	245.1171	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	303.6971	257.5193	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	340.4347	290.2572	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	356.8298	304.0503	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	426.8365	364.4446	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	464.4129	398.4801	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	916.6744	1031.9530	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	498.6735	429.6491	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	544.5782	471.6006	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	549.8074	0.0000	0.0000	0.0000	1,000	0.00
Mar 2019	ZAUS	14.48 Call	1,000	828.2378	935.6134	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	818.9173	925.4226	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	576.3173	500.7226	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	592.5239	515.6298	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	608.9512	530.7594	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>
Mar 2019	ZAUS	14.65 Put	10,000	659.5322	577.4912	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	712.0138	626.1924	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	754.2043	665.3995	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	760.3206	671.0931	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	766.4628	676.8096	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	772.6231	682.5490	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	630.8471	717.9416	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.99 Call	100	620.2280	706.1272	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	900.3324	802.1617	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	940.2385	839.7467	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	953.6969	852.4399	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	960.4569	858.8153	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	560.2796	639.2276	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1001.4040	897.5043	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1008.2922	904.0244	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1092.3883	983.7577	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	478.9132	547.8691	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	476.2521	544.8739	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	465.7793	533.0590	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	460.6908	527.2545	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	455.6680	521.5178	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	426.7951	488.5144	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	393.5835	450.8625	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	389.3840	446.0958	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	377.0933	432.1241	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	10,000	355.7134	407.7916	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	332.2590	381.0417	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	303.6642	349.0881	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	290.4984	335.1555	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	260.2594	300.9781	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	257.4355	297.7550	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	212.0717	245.8652	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	210.9505	244.5772	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	205.4359	238.2513	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	199.0386	230.9055	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	197.9941	229.7066	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	196.9585	228.5148	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	184.0295	213.6517	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	177.4803	206.1129	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	160.2286	186.2245	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	130.2540	147.5285	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	114.3003	129.0427	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	10.69 Put	1,000	9.2710	8.9007	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	40.1102	27.1129	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	94.5521	71.6300	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	134.7446	106.3230	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	138.7162	109.8049	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	192.6558	157.7961	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	371.2074	322.8189	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	6,250	389.5443	339.5100	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1354.9202	1488.5533	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	1116.9301	1229.2030	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	1042.5179	1148.9707	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	743.2353	660.8974	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	940.4993	1038.5081	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	687.2864	763.8032	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	6,250	667.2457	741.7812	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	619.1424	688.3618	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	589.3984	655.4009	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	570.5184	634.5525	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	266.9738	297.4214	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	15.8756	15.1905	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	70.0124	53.6151	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	478.1822	424.4649	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	501.8957	446.4244	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	551.3101	492.3188	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.14 Put	141,127	572.6740	512.2104	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	603.3501	540.8262	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	657.9963	591.9381	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.72 Put	1,200	865.7845	781.1717	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1272.3341	1171.3084	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.55 Call	30,000	920.3106	1006.0026	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1392.8151	1287.0460	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	824.3205	902.0139	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	530.6156	582.6477	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	468.1139	513.9058	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	439.8720	482.7872	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	429.7194	471.5929	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.29 Call	81,930	392.3753	425.3336	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	377.6575	407.4521	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.63 Call	33,715	365.4779	393.8640	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.67 Call	141,127	362.5581	390.6087	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	321.2685	344.4955	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	47.3738	44.0462	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	13.66 Put	1,000	437.4747	381.0972	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	17.38 Call	1,000	690.6081	748.5708	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	412.7337	450.2032	0.0000	0.0000	0	0.00	
			<u>8,266,723</u>					<u>2,500.00</u>	<u>0.00</u>	<u>60 690 122.00</u>
		Total	9,235,860					49,148.00	682,948,792.70	248 476 935.00
										2 249 400 778 477.80

Grand Total			10,999,449					57,623.00	728 341 389.40	338,968,880	3,119,614,221,757.02
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