



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 07-November-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Nov 2018	DAEU	Future	37	16.0917	16.2837	0.0000	0.0000	0	0.00		
			37					0.00	0.00	801 399.00	11 967 156 360.40
<b>Option</b>											
Aug 2019	DAEU	17.01 Put	31,200	1013.1048	924.3311	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	386.8184	438.6269	0.0000	0.0000	0	0.00		
			93,600					0.00	0.00	1 390 587.00	0.00
		<b>Total</b>	<b>93,637</b>					<b>0.00</b>	<b>0.00</b>	<b>2 191 986.00</b>	<b>11 967 156 360.40</b>
<b>Future</b>											
Nov 2018	DAGB	Future	13	18.4215	18.6280	0.0000	0.0000	0	0.00		
			13					0.00	0.00	53 954.00	889 067 608.60
		<b>Total</b>	<b>13</b>					<b>0.00</b>	<b>0.00</b>	<b>261 267.00</b>	<b>889 067 608.60</b>
<b>Future</b>											
Nov 2018	DAUS	Future	70	13.9759	14.2134	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	24	13.9777	14.2160	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	308	13.9785	14.2173	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	179	13.9871	14.2276	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	368	13.9988	14.2379	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.0007	14.2396	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	2,980	14.0027	14.2414	0.0000	0.0000	2,165	30,497,465.00		
Dec 2018	DAUS	Future	500	14.0163	14.2534	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,672	14.0256	14.2620	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,420	14.0581	14.2944	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.0615	14.2978	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	150	14.0839	14.1911	0.0000	0.0000	150	2,128,665.00		
Jan 2019	DAUS	Future	55	14.1101	14.3468	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	2,093	14.1118	14.3486	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.1345	14.3715	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	5,841	14.1606	14.3980	0.0000	0.0000	255	3,610,978.50		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Mar 2019	DAUS	Future	3,731	14.2076	14.4457	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,029	14.2111	14.4492	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.2180	14.4563	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.2667	14.5057	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.3205	14.5608	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.3742	14.6159	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.4279	14.6710	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.4838	14.7286	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.5364	14.7828	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.5872	14.8352	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.6465	14.9008	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.7058	14.9670	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.7613	15.0289	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.8206	15.0950	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.8798	15.1612	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.9315	15.2188	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.9965	15.2914	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.1036	15.4109	0.0000	0.0000	0	0.00		
			<u>114,056</u>					<u>2,570.00</u>	<u>36,237,108.50</u>	<u>10 791 726.00</u>	<u>132 264 775 970.40</u>

Option

Nov 2018	DAUS	14.40 Put	20,000	435.7794	239.7859	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.34 Put	171	399.7981	239.6565	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.50 Call	171	18.7935	69.6766	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.0132	0.0000	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	0.0424	0.0385	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	763.6122	1000.5690	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.32 Call	15,000	47.4089	133.0865	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	9.1475	39.4382	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	8.6009	36.9407	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.78 Call	30,000	7.6173	32.3778	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	5.5203	22.3878	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	917.0203	695.0878	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.67 Put	20,000	73.3580	0.0000	0.0000	0.0000	20,000	0.00
Nov 2018	DAUS	14.76 Call	4,000	44.1835	95.7176	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	13.3325	8.6369	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	150.3042	91.2561	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	170.7466	105.3904	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	211.0119	350.7435	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	399.3667	272.1017	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	137.7176	242.3663	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.80 Call	600	48.2016	99.7689	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	46.0552	96.1567	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Nov 2018	DAUS	16.70 Call	500	0.9934	2.3816	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	0.9736	1.1750	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1455.9424	1240.2943	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	65,000	154.6562	0.0000	0.0000	0.0000	65,000	0.00
Dec 2018	DAUS	13.90 Put	30,000	216.8837	144.2480	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	455.2067	326.1259	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	943.0122	756.8809	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	1312.6461	1103.9886	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	125	159.1155	0.0000	0.0000	0.0000	125	0.00
Dec 2018	DAUS	14.07 Call	125	255.9075	0.0000	0.0000	0.0000	125	0.00
Dec 2018	DAUS	14.50 Call	125	124.3312	0.0000	0.0000	0.0000	125	0.00
Dec 2018	DAUS	13.65 Put	20,000	135.1256	87.1367	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	215.6824	146.2112	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	53.2344	97.9127	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	17.9454	38.7007	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	262.9176	187.9210	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	494.9082	372.7849	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	961.2760	788.9098	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	1317.0575	1122.1804	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	54.8641	34.8605	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	72.0000	46.5543	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	145.8744	227.9183	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	128.7042	203.7426	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	42.4819	28.2400	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	245.1661	178.6909	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	304.5356	432.0395	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	485.6429	373.2527	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	1023.7707	854.7693	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	9.2279	19.5009	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	5.0427	8.9576	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.64 Put	250	199.1686	0.0000	0.0000	0.0000	250	0.00
Jan 2019	DAUS	14.12 Call	250	370.9760	0.0000	0.0000	0.0000	250	0.00
Jan 2019	DAUS	14.65 Call	250	202.8883	0.0000	0.0000	0.0000	250	0.00
Jan 2019	DAUS	12.66 Put	263	31.3281	26.0528	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.88 Call	4,000	230.1566	315.6042	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	83.2014	59.9921	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	525.6591	423.3124	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	556.2223	449.2728	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	371.1312	489.7210	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	185.3331	257.4815	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	135.8632	192.5856	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	116.0815	86.9219	0.0000	0.0000	0	0.00

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Feb 2019	DAUS	14.20 Put	250	577.9720	476.8469	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	607.8643	502.9769	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	421.5170	535.5925	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	237.6853	312.1855	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	181.3585	242.1973	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	510.8556	421.5667	0.0000	0.0000	130,000	0.00
Mar 2019	DAUS	14.50 Put	0	805.7027	686.8652	0.0000	0.0000	130,000	0.00
Mar 2019	DAUS	13.00 Put	500	148.1035	114.1704	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	623.4816	523.2743	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	652.8632	549.4798	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	464.3710	574.9339	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	282.8460	358.2950	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	223.7562	288.5231	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.04 Call	4,000	436.8516	534.7021	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	179.7563	142.6683	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1103.7186	1284.1807	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	664.0267	564.6429	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	692.7083	590.8190	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	501.3251	609.0108	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	323.3827	399.5479	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	264.7112	332.3955	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	206.7198	166.0630	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	700.0201	601.3662	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	728.5630	627.6194	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	534.8074	641.0141	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	360.9764	438.6385	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	299.6483	369.3753	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	1040.6263	920.5796	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	208.1987	258.1848	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	229.5710	184.2974	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	728.1906	630.7274	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	756.7267	657.0604	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	561.7689	666.1430	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	390.4811	470.0010	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	329.8712	401.0823	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	377.6648	317.2424	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	321.3594	390.6377	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	253.7439	203.9646	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	756.7108	661.1282	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	785.1379	687.5084	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	594.4064	698.8972	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	424.3056	506.9990	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>		
Jul 2019	DAUS	16.50 Call	250	364.5308	438.5065	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,147	932.4382	825.7792	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,147	412.9968	493.2960	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	273.0731	218.5267	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	781.6215	686.6235	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	809.9308	713.0146	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	617.5090	721.2339	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	450.0143	533.5367	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	390.3223	465.5137	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	203.8527	251.4382	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	290.3883	234.6848	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	803.6623	708.9545	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	831.8208	735.2826	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	645.1664	748.8213	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	478.7612	563.9448	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	417.1392	493.7721	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	306.8302	249.6740	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	825.1036	730.9334	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	853.1331	757.2169	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	665.8473	769.0867	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	502.5093	588.0446	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	442.6380	520.1979	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	321.5456	263.3800	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	845.8352	750.9064	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	873.8184	777.1496	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	693.8932	798.7641	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	531.7124	619.0970	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	472.7711	552.4968	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	337.7944	279.5131	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	866.6244	770.4734	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	894.5412	796.6383	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	724.2384	830.7909	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	565.9589	654.8774	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	507.9572	589.3841	0.0000	0.0000	0	0.00		
			<u>936,324</u>					<u>346,125.00</u>	<u>0.00</u>	<u>21 789 541.00</u>	<u>0.00</u>
		<b>Total</b>	<b>1,050,380</b>					<b>348,695.00</b>	<b>36,237,108.50</b>	<b>32 581 267.00</b>	<b>132 264 775 970.40</b>
<b>Future</b>											
Dec 2018	EUUS	Future	50	1.1510	1.1451	1.1530	1.1529	10	115,295.00		
			<u>50</u>					<u>10.00</u>	<u>115,295.00</u>	<u>744 455.00</u>	<u>8 445 242 050.00</u>
		<b>Total</b>	<b>50</b>					<b>10.00</b>	<b>115,295.00</b>	<b>744 455.00</b>	<b>8 445 242 050.00</b>

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<b>Future</b>											
Dec 2018	GBUS	Future	150	1.3167	1.3091	1.3191	1.3191	10	131,910.00		
			<u>150</u>					<u>10.00</u>	<u>131,910.00</u>	<u>169 801.00</u>	<u>2 184 995 104.00</u>
		<b>Total</b>	<b>150</b>					<b>10.00</b>	<b>131,910.00</b>	169 801.00	2 184 995 104.00
<b>Future</b>											
Dec 2018	ZAAD	Future	23,926	10.2313	10.3225	10.2220	10.2085	64	654,194.50		
Mar 2019	ZAAD	Future	420	10.3647	10.4561	10.3510	10.1698	151	1,562,819.80		
Jun 2019	ZAAD	Future	4,932	10.4940	10.5868	0.0000	0.0000	0	0.00		
			<u>29,278</u>					<u>215.00</u>	<u>2,217,014.30</u>	<u>3 765 338.00</u>	<u>32 856 467 947.40</u>
		<b>Total</b>	<b>29,278</b>					<b>215.00</b>	<b>2,217,014.30</b>	3 797 715.00	32 856 467 947.40
<b>Future</b>											
Dec 2018	ZACA	Future	500	10.7360	10.8783	0.0000	0.0000	0	0.00		
Mar 2019	ZACA	Future	400	10.8804	11.0243	0.0000	0.0000	0	0.00		
Jun 2019	ZACA	Future	0	11.0128	11.1569	11.0149	11.0149	250	2,753,725.00		
			<u>900</u>					<u>250.00</u>	<u>2,753,725.00</u>	<u>139 153.00</u>	<u>1 371 857 786.60</u>
		<b>Total</b>	<b>900</b>					<b>250.00</b>	<b>2,753,725.00</b>	139 153.00	1 371 857 786.60
<b>Future</b>											
Dec 2018	ZADK	Future	240	2.1675	2.1927	0.0000	0.0000	0	0.00		
			<u>240</u>					<u>0.00</u>	<u>0.00</u>	<u>12 335.00</u>	<u>265 809 909.00</u>
		<b>Total</b>	<b>240</b>					<b>0.00</b>	<b>0.00</b>	12 335.00	265 809 909.00
<b>Future</b>											
Dec 2018	ZAEU	Future	136,363	16.1470	16.3359	16.2700	16.2000	1,704	27,618,098.40		
Mar 2019	ZAEU	Future	36,286	16.4799	16.6708	16.6282	16.4718	388	6,411,331.00		
Jun 2019	ZAEU	Future	4,906	16.7919	16.9860	16.9015	16.9015	1	16,901.50		
Sep 2019	ZAEU	Future	8,262	17.1379	17.3370	0.0000	0.0000	0	0.00		
			<u>185,817</u>					<u>2,093.00</u>	<u>34,046,330.90</u>	<u>15 655 538.00</u>	<u>225 264 800 902.60</u>
		<b>Total</b>	<b>185,817</b>					<b>2,093.00</b>	<b>34,046,330.90</b>	15 655 538.00	225 264 800 902.60
<b>Option</b>											
Mar 2019	ZAEU	15.60 Put	462	257.6626	217.1450	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	16.00 Call	650	890.0109	1021.8256	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	17.33 Put	462	1227.7560	1111.2503	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	19.65 Call	462	87.6148	112.5170	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	55,000	650.9495	724.5575	0.0000	0.0000	0	0.00		
			<u>57,036</u>					<u>0.00</u>	<u>0.00</u>	<u>10 904 964.00</u>	<u>0.00</u>
		<b>Total</b>	<b>242,853</b>					<b>2,093.00</b>	<b>34,046,330.90</b>	26 560 502.00	225 264 800 902.60
<b>Future</b>											
Dec 2018	ZAFR	Future	1,616	14.1058	14.2627	14.1400	14.1400	250	3,535,000.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Jun 2019	ZAFR	Future	150	14.7010	14.8616	0.0000	0.0000	0	0.00		
			<u>1,766</u>					<u>250.00</u>	<u>3,535,000.00</u>	<u>620 908.00</u>	<u>6 672 647 028.20</u>
		<b>Total</b>	<b>1,766</b>					<b>250.00</b>	<b>3,535,000.00</b>	620 908.00	6 672 647 028.20
<b>Future</b>											
Dec 2018	ZAGB	Future	455,771	18.4724	18.6754	18.6215	18.4300	4,509	83,280,467.70		
Mar 2019	ZAGB	Future	11,147	18.7816	18.9854	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	5,506	19.0687	19.2766	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	10,363	19.3824	19.5951	19.4362	19.4362	500	9,718,100.00		
			<u>482,787</u>					<u>5,009.00</u>	<u>92,998,567.70</u>	<u>12 879 768.00</u>	<u>219 242 028 910.20</u>
<b>Option</b>											
Dec 2018	ZAGB	19.30 Call	200	129.4056	198.5839	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	18.00 Put	500	390.2150	349.3648	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	19.19 Put	1,000	981.3021	892.0200	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.00 Call	500	341.4660	423.0710	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.18 Call	1,500	304.3434	379.7897	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	133.6704	175.8753	0.0000	0.0000	0	0.00		
			<u>4,200</u>					<u>0.00</u>	<u>0.00</u>	<u>1 779 113.00</u>	<u>0.00</u>
		<b>Total</b>	<b>486,987</b>					<b>5,009.00</b>	<b>92,998,567.70</b>	14 658 881.00	219 242 028 910.20
<b>Future</b>											
Dec 2018	ZAJY	Future	6,905	0.1242	0.1263	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>
		<b>Total</b>	<b>6,905</b>					<b>0.00</b>	<b>0.00</b>	1 021 902.00	11 470 576 312.50
<b>Future</b>											
Jun 2019	ZAKS	Future	2,166	0.1363	0.1387	0.0000	0.0000	0	0.00		
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>	<u>515 662 000.00</u>
		<b>Total</b>	<b>2,166</b>					<b>0.00</b>	<b>0.00</b>	38 066.00	515 662 000.00
<b>Future</b>											
Dec 2018	ZAUM	Future	396	14.0290	14.2654	14.0931	14.0931	15	21,123,550.00		
Mar 2019	ZAUM	Future	5	14.1919	14.4298	14.2514	14.2514	5	7,125,700.00		
			<u>401</u>					<u>20.00</u>	<u>28,249,250.00</u>	<u>153 628.00</u>	<u>177 743 483 010.00</u>
		<b>Total</b>	<b>401</b>					<b>20.00</b>	<b>28,249,250.00</b>	158 151.00	177 743 483 010.00
<b>Future</b>											
Dec 2018	ZAUS	Future	800,432	14.0290	14.2654	14.1916	13.9513	82,366	1,159,737,652.80		
Mar 2019	ZAUS	Future	51,949	14.1919	14.4298	14.3500	14.1408	4,606	65,635,156.60		
Jun 2019	ZAUS	Future	19,380	14.3447	14.5857	14.4815	14.3518	3,051	44,140,079.50		
Sep 2019	ZAUS	Future	15,645	14.5083	14.7539	0.0000	0.0000	750	10,863,375.00		

<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 2019	ZAUS	Future	9,870	14.6676	14.9243	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	Future	3,966	14.8473	15.1249	0.0000	0.0000	0	0.00
			<u>901,242</u>					<u>90,773.00</u>	<u>1,280,376,263.90</u>
									<u>189 027 176.00</u>
									<u>2 267 431 314 054.30</u>
<b>Option</b>									
Dec 2018	ZAUS	11.64 Put	2,764	1.1431	1.0252	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	1.3755	1.2113	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	1.7785	1.5265	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	2.1176	1.7858	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	2.1937	1.8432	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	2.5287	2.0940	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	3.0287	2.4618	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	3.3187	2.6719	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	4.2261	3.3177	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	1534.3117	1769.4707	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	5.3117	4.0707	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	6.8480	5.1089	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	7.9777	5.5848	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	10.3437	6.3365	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	20.6807	11.2153	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	1053.3216	1278.9020	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	24.3216	13.5020	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	28.4812	16.1645	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	33.2119	19.2469	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	873.6043	1092.2602	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	47.2231	28.6414	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	830.3800	1046.8894	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	51.3800	31.4894	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	62.2171	39.0184	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	63.9010	40.2008	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	667.9164	872.1022	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	88.9164	56.7022	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	630.3598	830.3426	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	101.3598	64.9426	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	68,500	129.8111	84.6381	0.0000	0.0000	2,500	0.00
Dec 2018	ZAUS	13.68 Put	13,150	156.1506	103.7444	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	163.2479	108.9560	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	181.9009	122.7737	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	197.7683	134.6550	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	588	430.8662	603.1418	0.0000	0.0000	2,568	0.00
Dec 2018	ZAUS	13.80 Put	500	201.8662	137.7418	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	245.7630	171.2323	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	348.6944	505.1960	0.0000	0.0000	0	0.00



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Dec 2018	ZAUS	14.00 Call	20,000	323.9380	474.9892	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	294.9380	209.5892	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	350.7430	252.8845	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	362.7992	262.1368	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	267.8989	402.2369	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	235,564	381.2464	276.3866	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	387.4900	281.2343	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	241.9386	366.5138	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	412.9386	301.1138	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	439.1189	321.7726	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	224.7741	342.4573	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	479.7055	355.5353	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	199.5682	308.5860	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	500.5682	373.1860	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	193.6796	300.5839	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	514.6796	385.1839	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	543.3778	409.7188	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	179.6475	281.3629	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	169.1045	266.7749	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	1,200	154.3650	246.1578	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	625.3650	480.7578	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	633.0294	487.4641	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	81,900	132.4589	214.9818	0.0000	0.0000	3,000	0.00
Dec 2018	ZAUS	14.60 Put	1,000	703.4589	549.5818	0.0000	0.0000	2,500	0.00
Dec 2018	ZAUS	14.61 Call	1,500	130.4381	212.0723	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	128.4483	209.2009	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	759.9283	599.9724	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	113.5472	187.4916	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	817.7387	652.0488	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	105.0992	175.0185	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	826.0992	659.6185	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	97.1131	163.3369	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	868.1131	697.9369	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.82 Call	250	94.0868	0.0000	0.0000	0.0000	250	0.00
Dec 2018	ZAUS	14.84 Call	1,000	91.1508	154.5353	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	14.85 Call	50,000	89.7163	152.4066	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	953.8677	776.7834	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	70.6740	123.5230	0.0000	0.0000	6,000	0.00
Dec 2018	ZAUS	15.00 Put	25,700	1041.6740	858.1230	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	69.5566	121.7753	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	61.2269	108.6343	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	60.2582	107.0919	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.15 Call	27,030	55.6401	99.6987	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Call	50	51.3784	92.8075	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	1222.3784	1027.4075	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	1268.4453	1070.9884	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	1314.8171	1115.0127	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	39.2077	72.7338	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	33.9174	63.9383	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	32.7086	62.1343	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	31.5407	60.3831	0.0000	0.0000	1,500	0.00
Dec 2018	ZAUS	15.50 Put	600	1502.5407	1294.9831	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	30.9719	59.5260	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	26.7577	53.1035	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	26.2714	52.3521	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	25.7930	51.6124	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	21.8487	45.4164	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	20.6680	43.1528	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1827.8420	1610.2866	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	16.5301	35.0712	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	14.7743	31.5777	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	5,000	12.4757	26.9391	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	10.1369	22.1351	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	9.5777	20.9716	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	8.5484	18.8156	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	7.9233	17.4966	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	4.3082	9.6889	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	2.7263	6.1605	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	2.3775	4.2030	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	3.5560	3.3887	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	18.7930	14.0400	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	60.7941	47.8510	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	64.5081	50.8917	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	115.5174	90.1141	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	119.3563	92.6623	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	15,434	135.6435	103.4631	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	146.5975	112.4051	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	162.9674	125.8797	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	170.3590	131.9939	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	196.6805	153.8994	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	219.6431	173.1652	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	228.6998	180.8003	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.40 Put	2,100	241.1629	191.3368	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	260.6827	207.9101	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.50 Put	50	274.2589	219.4821	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	293.1348	234.5400	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	9,570	312.7712	250.2655	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	345.7571	276.8312	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	354.3060	283.7458	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	362.9750	290.7702	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	376.2049	301.5113	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	394.2608	317.2493	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	422.2315	341.7598	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	426.9987	345.9498	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	446.3537	362.9935	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	17,406	496.7697	407.6486	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	517.7326	426.3153	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	606.0405	505.5221	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	653.6861	547.7856	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	557.7582	688.4220	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	696.7390	586.1775	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.42 Put	2,100	741.0167	625.8559	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	753.8874	637.4249	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	760.3588	643.2458	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	491.8156	610.8954	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	484.9713	602.9194	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	793.0713	673.1194	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	812.9789	691.3396	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	833.0926	709.7844	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	894.6409	766.4121	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	957.9228	824.9222	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	1008.2899	871.6795	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	1015.5638	878.4439	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	1022.8571	885.2330	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1030.1697	892.0398	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.99 Call	100	344.2370	436.4435	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	200	341.8699	433.5747	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	1180.6663	1032.4981	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1227.2178	1076.1509	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1242.8630	1090.8477	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1250.7110	1098.2216	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	304.1537	387.7436	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1298.1205	1142.9307	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1306.0738	1150.4469	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	293.9312	375.3368	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1402.6835	1241.9729	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	15.45 Call	20,000	251.4825	323.4939	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	249.7974	321.4242	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	243.1784	313.2861	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	239.9409	309.3004	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	236.7539	305.3734	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	218.0222	282.9292	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	196.1660	257.4155	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	193.4327	254.2153	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	185.4714	244.8767	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.98 Call	2,100	174.1808	230.8006	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	11,406	171.7740	227.7717	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	156.9768	209.0887	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	139.6799	187.1070	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	132.2727	177.6408	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	115.5889	156.1993	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	114.0521	154.2174	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	89.9950	122.9404	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	89.4144	122.1809	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	86.5733	118.4573	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	83.6228	114.1593	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	83.1964	113.4595	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	82.7730	112.7664	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	77.5366	104.1718	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	74.9110	99.8568	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	68.0781	90.4449	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	54.5589	73.0361	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	46.5105	62.6115	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	8.6735	7.8856	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	76.0783	54.2229	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	157.6212	121.7961	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	213.1110	170.2177	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	218.3654	174.9533	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	288.2274	237.4487	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	520.5428	439.6842	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	544.9566	461.2291	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	960.2251	1112.8580	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	768.8511	901.7723	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	708.9872	835.2102	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	976.5703	859.6759	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	628.0309	744.1330	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,000	545.9706	650.7733	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	424.9085	510.3468	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	15.80 Call	1,000	390.4890	470.3286	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	367.9163	445.6984	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	16.00 Call	20	353.6690	430.1360	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	17.96 Call	8,203	156.3019	190.5510	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	14.3165	14.5465	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	138.4738	102.7718	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.91 Put	81,930	639.3372	558.0498	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	669.9558	584.5814	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.09 Put	33,715	733.3074	642.3912	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.14 Put	141,127	760.5239	667.6991	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	799.4126	703.9416	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.33 Put	33,151	868.1804	768.2371	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	1107.0021	995.0908	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1561.5240	1427.1221	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1695.7156	1555.3799	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	573.4298	669.6416	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	348.2450	415.9104	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	307.8993	363.4893	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	291.6660	343.3871	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	285.8774	336.7143	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.29 Call	81,930	262.2425	309.4508	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	251.7652	297.3454	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	243.1157	287.3423	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.67 Call	141,127	241.0452	284.9493	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	188.1223	244.1745	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	65.8231	45.2202	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	587.5023	516.1277	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	482.6233	562.7384	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	242.0905	300.6810	0.0000	0.0000	0	0.00		
			<u>8,188,603</u>					<u>18,818.00</u>	<u>0.00</u>	<u>60 911 739.00</u>	<u>0.00</u>
	<b>Total</b>		<b>9,089,845</b>					<b>109,591.00</b>	<b>1,280,376,263.90</b>	<b>249 938 915.00</b>	<b>2 267 431 314 054.30</b>
	<b>Grand Total</b>		<b>11,005,571</b>					<b>466,143.00</b>	<b>1 480 660 465.30</b>	<b>342,193,821</b>	<b>3,144,346,136,849.63</b>