



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 22-October-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Nov 2018	DAEU	Future	37	16.5125	16.6769	0.0000	0.0000	0	0.00		
			37					0.00	0.00	801 399.00	11 967 156 360.40
Option											
Aug 2019	DAEU	17.01 Put	31,200	817.4654	737.8658	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	511.9438	554.6339	0.0000	0.0000	0	0.00		
			93,600					0.00	0.00	1 390 587.00	0.00
		Total	93,637					0.00	0.00	2 191 986.00	11 967 156 360.40
Future											
Nov 2018	DAGB	Future	13	18.6586	18.9180	0.0000	0.0000	0	0.00		
			13					0.00	0.00	53 954.00	889 067 608.60
		Total	13					0.00	0.00	261 267.00	889 067 608.60
Future											
Oct 2018	DAUS	Future	0	14.2718	14.4143	0.0000	0.0000	1,630	23,263,034.00		
Oct 2018	DAUS	Future	70	14.2873	14.4161	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.2945	14.4235	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,500	14.2963	14.4253	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	3,858	14.2981	14.4271	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	14.3000	14.4290	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.3219	14.4512	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	24	14.3255	14.4549	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	308	14.3273	14.4567	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	179	14.3383	14.4678	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	166	14.3492	14.4790	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.3510	14.4808	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	6,324	14.3529	14.4827	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	500	14.3656	14.4957	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,672	14.3747	14.5050	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,714	14.4095	14.5403	0.0000	0.0000	0	0.00		

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Jan 2019	DAUS	Future	55	14.4132	14.5440	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.4648	14.5960	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,020	14.4666	14.5978	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.4900	14.6216	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	5,787	14.5170	14.6491	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	14.5656	14.6986	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,029	14.5692	14.7022	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.5764	14.7096	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.6269	14.7607	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.6829	14.8169	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.7389	14.8730	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.7951	14.9296	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.8541	14.9891	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.9093	15.0449	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.9638	15.1000	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	15.0278	15.1643	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.0897	15.2267	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.1476	15.2850	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.2096	15.3474	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.2715	15.4097	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.3255	15.4640	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.3934	15.5324	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.5053	15.6450	0.0000	0.0000	0	0.00		
			<u>122,923</u>					<u>1,630.00</u>	<u>23,263,034.00</u>	<u>10 749 808.00</u>	<u>131 659 629 109.50</u>

Option

Oct 2018	DAUS	13.00 Put	500	0.5529	1.7543	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	22.3160	15.3471	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	409.4308	527.4768	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.97 Put	600	49.2426	36.7562	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	140.5030	112.0514	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.34 Put	171	186.8687	149.4243	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.44 Call	171	107.6942	186.0587	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.45 Call	600	104.4429	181.4701	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	51.2411	104.6854	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.82 Put	114	552.3684	463.0708	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.90 Call	600	22.8905	56.3295	0.0000	0.0000	0	0.00
Oct 2018	DAUS	15.01 Call	114	15.4121	41.4075	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	0.2843	0.9699	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	0.0833	0.3546	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	20,000	65.3268	46.7277	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	0.0732	0.0969	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	39.6082	31.2854	0.0000	0.0000	0	0.00

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Nov 2018	DAUS	16.81 Call	1,880	0.6069	1.1710	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.34 Put	171	279.2529	227.7703	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.50 Call	171	203.1884	267.1824	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.0334	0.0393	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	0.1364	0.1479	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1121.4782	1249.1482	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.32 Call	15,000	281.7055	360.3102	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	146.4490	195.7197	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	141.6136	189.7026	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.78 Call	30,000	132.3928	178.1752	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	109.9058	149.7570	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	672.6058	583.0570	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	11.1340	8.6565	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	117.2287	92.1553	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	131.9480	104.4544	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	487.9437	578.0586	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	293.0260	243.6312	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	371.5134	449.0166	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.80 Call	600	196.7523	243.5635	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	191.7339	237.5977	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	12.9662	18.8027	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	5.3092	7.6685	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1185.7498	1081.2521	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	164.2187	133.0304	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	337.0961	284.7893	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	733.6643	647.7797	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	1057.6530	957.9031	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	102.9263	82.7136	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	163.0231	132.9654	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	176.7297	215.3708	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	87.8375	109.3431	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	198.8547	166.1713	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	376.0613	323.5026	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	762.9916	680.3875	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	1077.4729	981.1475	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	44.1768	34.6739	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	56.9298	45.2791	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	326.8583	385.2802	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	298.3943	352.7915	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	32.3379	28.4269	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	183.2934	152.6869	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	545.6737	627.0484	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	14.25 Put	250	371.0947	320.2796	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	822.6972	738.8694	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	42.7027	52.3452	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	20.6509	28.0065	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	29.3523	25.8791	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	57.6457	51.8756	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	405.0149	353.8869	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	429.9272	376.7934	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	584.9749	657.8669	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	329.8949	374.7989	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	255.4249	291.3040	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	81.5309	73.3886	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	450.8378	398.6182	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	476.0363	421.9530	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	621.2688	689.2620	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	380.2836	424.0985	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	302.5696	337.9027	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	50,000	394.1390	347.8519	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	105.5734	94.5149	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	491.7731	438.6082	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	517.0682	462.2061	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	654.0157	717.8490	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	422.4830	464.8190	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	346.6150	381.4488	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	129.7209	114.4416	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1383.1039	1488.5799	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	528.3452	475.8193	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	553.7550	499.6177	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	683.6040	745.1900	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	461.4285	503.6542	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	389.2869	424.8241	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	149.8284	131.7341	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	562.3315	510.0438	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	587.8126	534.0402	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	711.7841	771.2084	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	497.5584	539.3581	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	425.3880	461.0135	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	872.7845	806.0777	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	300.8559	327.4588	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	165.1486	144.9498	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	589.7494	536.7623	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	615.2620	560.9184	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	15.17 Call	500	733.5488	791.2477	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	525.7836	567.4921	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	454.5383	491.4724	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	293.8998	264.6560	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	442.4907	479.1824	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	181.6842	157.8661	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	618.5861	566.3955	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	644.0730	590.6203	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	763.0629	820.2577	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	560.5513	603.0308	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	489.4530	528.4289	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	778.2737	719.3940	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	545.4617	586.5049	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	195.1419	167.1608	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	642.7161	592.4468	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	668.1808	614.9965	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	782.4092	838.3579	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	586.1498	628.2571	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	514.1242	552.8391	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	283.0634	299.5589	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	209.6248	180.3192	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	664.3684	616.1632	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	689.7784	638.6981	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	807.8194	863.1744	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	614.1462	657.4424	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	540.1248	579.2243	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	225.5041	196.2733	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	686.8536	640.1722	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	712.2315	662.8614	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	828.3510	882.5320	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	638.9934	682.5514	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	567.5326	606.8380	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	241.7248	210.5221	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	709.2554	661.9118	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	733.1909	684.8176	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	857.8077	910.9605	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	670.3867	713.2566	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	600.5980	639.2980	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	259.2419	227.9217	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	731.7665	682.9112	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	756.0437	705.9975	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	886.8658	939.2227	0.0000	0.0000	0	0.00

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Dec 2019	DAUS	17.05	Call	250	704.1181	746.5461	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.44	Call	250	635.6346	674.3352	0.0000	0.0000	0	0.00
				834,709				0.00	0.00	21 019 416.00
	Total			957,632				1,630.00	23,263,034.00	31 769 224.00
										131 659 629 109.50
Future										
Dec 2018	EUUS		Future	40	1.1517	1.1528	0.0000	0.0000	0	0.00
				40				0.00	0.00	744 445.00
	Total			40				0.00	0.00	8 445 126 755.00
										744 445.00
										8 445 126 755.00
Future										
Dec 2018	GBUS		Future	30	1.3008	1.3071	0.0000	0.0000	0	0.00
				30				0.00	0.00	169 421.00
	Total			30				0.00	0.00	2 180 058 224.00
										169 421.00
										2 180 058 224.00
Future										
Dec 2018	ZAAD		Future	32,165	10.1997	10.3527	10.2346	10.2171	11	112,405.60
Mar 2019	ZAAD		Future	420	10.3350	10.4900	0.0000	0.0000	0	0.00
Jun 2019	ZAAD		Future	4,929	10.4650	10.6221	0.0000	0.0000	0	0.00
				37,514				11.00	112,405.60	3 743 722.00
	Total			37,514				11.00	112,405.60	32 631 205 458.40
										3 776 099.00
										32 631 205 458.40
Future										
Dec 2018	ZACA		Future	600	10.9901	11.0785	0.0000	0.0000	0	0.00
				600				0.00	0.00	137 653.00
	Total			600				0.00	0.00	1 355 055 071.60
										137 653.00
										1 355 055 071.60
Future										
Dec 2018	ZADK		Future	240	2.2425	2.2664	0.0000	0.0000	0	0.00
				240				0.00	0.00	12 335.00
	Total			240				0.00	0.00	265 809 909.00
										12 335.00
										265 809 909.00
Future										
Dec 2018	ZAEU		Future	106,648	16.5599	16.7253	16.6609	16.5700	63	1,044,788.50
Mar 2019	ZAEU		Future	36,311	16.9055	17.0761	17.0000	17.0000	15	255,000.00
Jun 2019	ZAEU		Future	4,906	17.2287	17.4037	0.0000	0.0000	0	0.00
Sep 2019	ZAEU		Future	8,262	17.5865	17.7668	0.0000	0.0000	1,428	25,144,224.00
				156,127				1,506.00	26,444,012.50	15 586 732.00
	Total									224 117 807 876.20
Option										
Mar 2019	ZAEU	15.60	Put	462	177.8889	150.0465	0.0000	0.0000	0	0.00
Mar 2019	ZAEU	16.00	Call	650	1196.6486	1325.9614	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Mar 2019	ZAEU	17.33 Put	462	988.9407	888.1817	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	19.65 Call	462	158.7909	183.0832	0.0000	0.0000	0	0.00	
			2,036					0.00	0.00	10 794 964.00
		Total	158,163					1,506.00	26,444,012.50	26 381 696.00 224 117 807 876.20
Future										
Dec 2018	ZAFR	Future	1,748	14.4846	14.6254	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	15.1012	15.2512	0.0000	0.0000	0	0.00	
			1,898					0.00	0.00	620 576.00 6 667 908 161.60
		Total	1,898					0.00	0.00	620 576.00 6 667 908 161.60
Future										
Dec 2018	ZAGB	Future	440,006	18.7034	18.9637	18.8200	18.8200	414	7,753,681.30	
Mar 2019	ZAGB	Future	8,144	19.0243	19.2927	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,506	19.3215	19.5934	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	10,363	19.6475	19.9237	0.0000	0.0000	0	0.00	
			464,019					414.00	7,753,681.30	12 831 933.00 218 335 782 674.70
Option										
Dec 2018	ZAGB	19.30 Call	200	277.2274	371.3140	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	18.00 Put	500	383.0397	317.3621	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	921.3588	785.9301	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	480.7065	571.8843	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	435.0809	516.9881	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	214.1360	257.3075	0.0000	0.0000	0	0.00	
			4,200					0.00	0.00	1 779 113.00 0.00
		Total	468,219					414.00	7,753,681.30	14 611 046.00 218 335 782 674.70
Future										
Dec 2018	ZAJY	Future	6,905	0.1279	0.1295	0.0000	0.0000	0	0.00	
			6,905					0.00	0.00	1 021 902.00 11 470 576 312.50
		Total	6,905					0.00	0.00	1 021 902.00 11 470 576 312.50
Future										
Jun 2019	ZAKS	Future	2,166	0.1397	0.1411	0.0000	0.0000	0	0.00	
			2,166					0.00	0.00	38 066.00 515 662 000.00
		Total	2,166					0.00	0.00	38 066.00 515 662 000.00
Future										
Dec 2018	ZATR	Future	10,000	2.4606	2.4634	0.0000	0.0000	0	0.00	
			10,000					0.00	0.00	385 239.00 1 233 437 569.00
		Total	10,000					0.00	0.00	385 239.00 1 233 437 569.00

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Future										
Dec 2018	ZAUM	Future	320	14.3783	14.5087	0.0000	0.0000	0	0.00	
Mar 2019	ZAUM	Future	10	14.5494	14.6821	0.0000	0.0000	0	0.00	
			330					0.00	0.00	153 091.00 176 958 782 860.00
		Total	330					0.00	0.00	157 614.00 176 958 782 860.00
Future										
Dec 2018	ZAUS	Future	829,776	14.3783	14.5087	14.4465	14.3641	54,985	791,064,093.90	
Mar 2019	ZAUS	Future	55,413	14.5494	14.6821	14.5850	14.5300	936	13,633,225.00	
Jun 2019	ZAUS	Future	19,450	14.7081	14.8422	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	Future	19,899	14.8799	15.0151	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	Future	2,200	15.0497	15.1865	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	Future	3,966	15.2376	15.3755	0.0000	0.0000	0	0.00	
			930,704					55,921.00	804,697,318.90	188 136 327.00 2 254 442 704 209.50
Option										
Dec 2018	ZAUS	11.64 Put	2,764	2.4974	2.6779	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	11.75 Put	228,616	2.8933	3.0544	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	11.90 Put	11,300	3.5448	3.6626	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.00 Put	174,530	4.0658	4.1407	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.02 Put	5,500	4.1797	4.2442	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.10 Put	8,580	4.6706	4.6881	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.20 Put	7,300	5.3741	5.3161	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.25 Put	3,300	5.7683	5.6646	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.38 Put	39,589	6.9498	6.6960	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.50 Call	228,616	1886.5789	2016.5367	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.50 Put	26,400	8.2789	7.8367	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.63 Put	39,589	10.0430	9.3260	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.68 Put	10,000	10.8288	9.9817	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.75 Put	1,000	12.0458	10.9892	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.95 Put	500	16.4466	14.5674	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.00 Call	6,000	1397.7056	1524.3583	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.00 Put	177,520	19.4056	15.6583	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.05 Put	1,500	22.7805	16.8435	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.10 Put	11,300	26.6111	19.8771	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.20 Call	7,100	1214.0971	1335.9532	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.22 Put	5,500	37.9004	28.9586	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.25 Call	10,000	1169.5352	1290.3731	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.25 Put	17,800	41.2352	31.6731	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.32 Put	13,650	49.8973	38.7799	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.33 Put	135,000	51.2400	39.8884	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.45 Call	500	997.8815	1113.8684	0.0000	0.0000	0	0.00	

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Dec 2018	ZAUS	13.45 Put	4,080	69.5815	55.1684	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	956.8164	1071.3942	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	78.5164	62.6942	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	98.8694	79.9984	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	117.6833	96.1588	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	122.7541	100.5396	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	136.8290	112.1045	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	148.8304	122.0055	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,164	730.2346	833.2746	0.0000	0.0000	100	0.00
Dec 2018	ZAUS	13.80 Put	500	151.9346	124.5746	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	185.2894	153.2344	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	631.8649	727.7600	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,200	601.2118	694.6028	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	222.9118	185.9028	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	264.8324	222.6805	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	273.7317	230.5325	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	526.5433	613.2229	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	287.3984	242.6244	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	292.0398	246.7375	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	489.3285	572.3075	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	311.0285	263.6075	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	330.6880	281.1411	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	464.0078	544.3295	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	361.4251	308.6809	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	425.6487	501.7044	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	377.3487	323.0044	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	416.4671	491.4556	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	388.1671	332.7556	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	410.2808	352.7456	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	394.2087	466.5431	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	377.8670	447.3341	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	1,200	354.5040	419.7039	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	476.2040	411.0039	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	482.4423	416.7312	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	318.5040	378.6748	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,500	540.2040	469.9748	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	315.0989	374.7784	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	311.7260	370.9163	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	587.0730	513.4518	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	285.9544	341.3146	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	635.5463	558.6471	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	270.8957	323.9407	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.75 Put	700	642.5957	565.2407	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	256.6045	307.3953	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	678.3045	598.6953	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	245.7019	294.7380	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	243.0490	291.6531	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	751.8957	667.9799	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	206.4833	248.9298	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	25,700	828.1833	740.2298	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	204.2517	246.3098	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	187.2465	226.2959	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	185.2234	223.9111	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	175.2222	212.3512	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	987.4606	892.6903	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	1028.5125	932.2973	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	1070.0526	972.2965	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	137.2809	167.8724	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	124.2812	152.4003	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	121.5691	149.1632	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	118.9183	145.9981	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1240.6183	1137.2981	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	117.6154	144.4406	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	107.7134	132.5829	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	106.5383	131.1727	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	105.3767	129.7795	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	95.5015	117.9022	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	92.4314	114.2005	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1543.7421	1432.9374	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	81.1614	100.5711	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	75.6817	94.4116	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	5,050	68.1526	85.5829	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	59.9754	75.6428	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	57.9240	73.1408	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	54.0352	68.3883	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	51.5922	65.3968	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	35.7339	45.8342	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	27.2452	35.2410	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	21.8078	28.3984	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	3.5772	3.6599	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	12.6890	11.6794	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	44.3593	39.8889	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	47.2218	42.4433	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	84.2134	75.4662	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	12.92 Put	139,342	86.6201	77.6164	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	96.8172	86.7298	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	103.6725	92.8597	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	114.6654	102.0332	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	120.4248	106.1843	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	141.0990	121.0193	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	159.3295	137.2200	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	166.5659	143.6794	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	192.2974	166.7290	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	203.2983	176.6189	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	217.6251	189.5354	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	4,000	232.6049	203.0703	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	257.9384	226.0379	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	264.5381	232.0368	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	271.2446	238.1388	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	281.5054	247.4830	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	295.5598	260.3104	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	322.7604	283.7644	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	339.0965	297.7456	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	381.9466	335.8373	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	399.8819	352.3716	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	476.1127	422.9944	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	516.8620	460.9650	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	776.7155	852.8307	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	553.9155	495.6103	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	603.4329	542.0696	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	609.0619	547.3651	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	695.5031	765.4992	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	686.9862	756.3146	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	637.5862	574.2146	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	654.9996	590.6324	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	672.6881	607.2775	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	727.4161	658.5522	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	784.0258	712.0122	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	829.3096	755.1205	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	835.8685	761.3687	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	842.4453	767.6394	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	849.0471	773.9363	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.99 Call	100	509.9294	563.0825	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	985.3589	904.3890	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1027.7833	945.1477	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1042.0751	958.8924	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	15.13 Put	7,100	1049.2468	965.7921	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	457.5178	505.6912	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1092.6623	1007.6049	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1099.9627	1014.6381	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1188.9123	1100.4814	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	387.5203	428.4124	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	385.2595	425.9338	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	376.3639	416.1784	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	372.0035	411.3947	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	367.7005	406.6728	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	343.0426	379.5953	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	314.8579	348.5936	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	311.3081	344.6854	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	300.9344	333.2631	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	10,000	282.9596	313.4524	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	261.7979	291.8067	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	236.7019	264.2331	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	225.8274	252.1556	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	201.0126	224.5546	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	198.7052	221.9865	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	161.9516	180.9911	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	161.0499	179.9831	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	156.6239	175.0391	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	151.4979	169.3098	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	150.6639	168.3766	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	149.8331	167.4471	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	139.5253	155.9164	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	134.3226	150.0924	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	121.5108	134.8139	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	101.0323	109.3629	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	88.5961	95.5386	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	8.0344	8.2914	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	48.4843	39.3776	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	109.8891	93.7280	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	154.3195	134.0674	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	158.6835	138.0568	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	217.6053	192.3631	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	409.5462	371.2916	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	429.3090	389.7559	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1199.5081	1290.5123	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	981.1805	1056.2254	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	912.1126	982.8493	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	14.63 Put	8,203	813.4843	748.8019	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	817.4528	882.5069	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	588.7306	636.8357	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	5,035	571.1018	617.6503	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	528.5840	571.7405	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	502.3566	543.3845	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	16.00 Call	20	485.7513	525.4161	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	17.96 Call	8,203	224.6557	241.2273	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	14.3816	14.7163	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	88.5816	70.5156	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.91 Put	81,930	524.1692	483.4268	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	549.4387	507.2732	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.09 Put	33,715	601.9972	556.9611	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.14 Put	141,127	624.6882	578.4465	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	659.2491	609.2984	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.33 Put	33,151	721.2957	667.1704	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	941.1329	878.4285	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1364.4636	1289.1212	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.55 Call	30,000	812.8625	869.4098	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1490.0471	1411.2018	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	726.0306	776.6113	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	458.9951	493.4999	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	403.0355	433.9849	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	377.8536	407.1761	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	369.5444	397.5509	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.29 Call	81,930	340.3782	364.6540	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	327.4153	350.7937	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	316.7001	339.3367	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.67 Call	141,127	314.1323	336.5929	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	277.9252	297.8636	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	51.1294	46.8062	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	486.4525	447.4044	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	609.4795	647.5597	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	343.5255	375.0363	0.0000	0.0000	0	0.00		
			<u>8,229,462</u>					<u>100.00</u>	<u>0.00</u>	<u>60 740 133.00</u>	<u>0.00</u>
	Total		9,160,166					56,021.00	804,697,318.90	248 876 460.00	2 254 442 704 209.50
	Grand Total		10,897,553					59,582.00	862 270 452.30	339,585,958	3,125,682,505,655.82