



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 03-December-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Mar 2019	CAHF	Future	10,000	75.5600	98.4400	0.0000	0.0000	0	0.00		
			<u>10,000</u>					<u>0.00</u>	<u>0.00</u>	<u>10 000.00</u>	<u>2 531 700.00</u>
		Total	10,000					0.00	0.00	10 000.00	2 531 700.00
Option											
Dec 2018	DAEU	15.83 Put	32,000	356.9786	308.9859	0.0000	0.0000	0	0.00		
Jan 2019	DAEU	15.85 Put	13,000	385.8867	339.7183	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	16,200	1285.5297	1235.7173	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	223.3322	247.4196	0.0000	0.0000	0	0.00		
			<u>123,600</u>					<u>0.00</u>	<u>0.00</u>	<u>124 800.00</u>	<u>0.00</u>
		Total	123,600					0.00	0.00	124 800.00	0.00
Future											
Jan 2019	DAGB	Future	27	17.5987	17.7421	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	24	17.7719	17.9179	0.0000	0.0000	0	0.00		
			<u>51</u>					<u>0.00</u>	<u>0.00</u>	<u>54 031.00</u>	<u>890 464 388.50</u>
		Total	51					0.00	0.00	261 344.00	890 464 388.50
Future											
Dec 2018	DAUS	Future	500	13.6913	13.7869	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,672	13.6993	13.7950	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	1,952	13.7292	13.8263	0.0000	0.0000	192	2,650,368.00		
Jan 2019	DAUS	Future	55	13.7324	13.8296	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	150	13.7535	13.8513	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	20	13.7552	13.8530	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	51	13.7701	13.8680	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.7784	13.8764	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,249	13.7801	13.8780	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.8019	13.9001	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	6	13.8053	13.9036	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>
Feb 2019	DAUS	Future	15	13.8221	13.9207	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	4,705	13.8272	13.9258	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	80	13.8357	13.9344	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,731	13.8731	13.9726	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,356	13.8765	13.9761	0.0000	0.0000	13	179,985.00
Apr 2019	DAUS	Future	55	13.8833	13.9830	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	13.9310	14.0316	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	13.9837	14.0854	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.0367	14.1392	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.0898	14.1930	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.1446	14.2485	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.1964	14.3013	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.2466	14.3523	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.3019	14.4086	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.3591	14.4669	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.4129	14.5217	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.4704	14.5802	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.5279	14.6388	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.5779	14.6898	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.6410	14.7540	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.7449	14.8598	0.0000	0.0000	0	0.00
			<u>107,717</u>					<u>205.00</u>	<u>2,830,353.00</u>
									<u>10 911 332.00</u>
									<u>133 945 216 202.90</u>

Option

Dec 2018	DAUS	15.45 Put	23,000	1760.4178	1666.5352	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	65,000	121.0936	98.7227	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	237.0643	185.2695	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	613.5575	526.7283	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	1210.4191	1116.0299	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	1610.3374	1515.1332	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.50 Put	25,000	37.6261	38.1855	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	125	131.8362	110.4044	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.07 Call	125	15.2774	41.9463	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.50 Call	125	2.0824	6.7207	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	106.0841	94.2093	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	231.4118	192.3854	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	0.8762	2.3235	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	0.1188	0.4579	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	303.2719	261.2820	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.98 Put	18,000	361.2257	313.1350	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	626.2665	557.4043	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	1194.7048	1105.2816	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	1590.5366	1496.5469	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>
Dec 2018	DAUS	13.20 Put	1,000	26.8306	23.9560	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	43.4198	38.2035	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	15.1426	28.3706	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	11.6554	22.3162	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	22.1000	23.1621	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	272.4800	237.3631	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	85.7777	120.9508	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	601.3371	537.8821	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	1246.8335	1160.7343	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	0.8029	1.0236	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	1.0175	1.1782	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.57 Put	600	166.5917	146.5179	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.93 Call	600	169.9165	223.0973	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.35 Call	600	75.1444	105.8591	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.64 Put	250	210.3975	185.7545	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.12 Call	250	134.1913	177.3406	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.65 Call	250	50.3576	71.9964	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	18.0674	16.2811	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	70.6564	64.3194	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	629.5593	576.0931	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	666.7178	611.3411	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	166.9267	204.7276	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	63.4247	81.7484	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	39.0596	53.0310	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	114.1643	105.0007	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	679.4473	628.1287	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	714.8503	661.8655	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	224.4415	261.6852	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	108.4743	129.4107	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	75.9730	92.0103	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	518.7374	482.4538	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	591.2698	550.0073	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	153.6010	143.5267	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	724.7810	677.5172	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	758.9495	710.1812	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	275.1797	314.4311	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	151.3214	176.0518	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	113.5331	132.9331	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	467.4984	435.6618	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	376.4496	425.4904	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	190.6935	180.4808	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	809.3971	886.5110	0.0000	0.0000	0	0.00

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Apr 2019	DAUS	14.20 Put	250	763.5817	719.7151	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	796.7617	751.5169	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	318.8820	359.3534	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	190.3811	217.7927	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	150.2296	172.6116	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	223.8741	213.8984	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	796.6454	755.5724	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	829.0642	786.7097	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	355.6004	397.0118	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	224.1187	253.5057	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	180.9644	205.4496	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	1174.1079	1122.6101	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	130.1404	146.2996	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	251.3464	240.3902	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	825.4999	786.4676	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	857.4049	817.1987	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	387.4320	429.7600	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	254.0604	285.4814	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	210.0202	236.9585	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	422.4330	400.5533	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	205.0951	231.4079	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	280.6510	268.9000	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	855.1999	818.0602	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	886.5828	848.3744	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	424.2693	467.9924	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	288.5798	322.2493	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	243.8248	273.3207	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	1046.2085	1004.0378	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	282.8605	315.6415	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	305.7896	293.5144	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	879.8168	844.0841	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	910.7636	874.2707	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	450.5712	495.0562	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	314.7119	350.3958	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	269.0509	300.6964	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	122.8129	144.4886	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	328.9750	316.3473	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	901.6307	866.8467	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	932.1966	896.8049	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	479.0015	525.7546	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	343.1442	380.6497	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	295.1694	328.6784	0.0000	0.0000	0	0.00

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Oct 2019	DAUS	13.00 Put	500	351.4623	338.6765	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	922.3949	888.6415	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	952.9601	918.3993	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	501.2914	549.2713	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	367.5398	406.4093	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	320.1788	355.4383	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	371.1046	357.6261	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	939.7373	906.8688	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	970.0518	936.4427	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	524.0179	572.8043	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	391.3666	431.2629	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	346.6108	380.8203	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	390.5662	376.0800	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	959.7778	926.7082	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	989.9071	956.1231	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	552.7238	601.4501	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.05 Call	250	422.6661	463.0125	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.44 Call	250	381.1592	415.0765	0.0000	0.0000	0	0.00
			<u>727,682</u>					<i>0.00</i>	<i>0.00</i>
		Total	835,399					205.00	2,830,353.00
									<i>32 888 215.00</i>
									<i>133 945 216 202.90</i>
Future									
Dec 2018	EUUS	Future	55	1.1357	1.1348	0.0000	0.0000	0	0.00
Jun 2019	EUUS	Future	582	1.1548	1.1536	0.0000	0.0000	0	0.00
			<u>637</u>					<i>0.00</i>	<i>0.00</i>
		Total	637					0.00	0.00
									<i>745 292.00</i>
									<i>8 454 920 115.00</i>
Future									
Dec 2018	GBUS	Future	250	1.2732	1.2748	0.0000	0.0000	0	0.00
			<u>250</u>					<i>0.00</i>	<i>0.00</i>
		Total	250					0.00	0.00
									<i>170 239.00</i>
									<i>2 190 649 727.00</i>
Future									
Dec 2018	ZAAD	Future	19,742	10.1048	10.0686	10.0534	10.0534	46	462,456.40
Mar 2019	ZAAD	Future	324	10.2365	10.2009	0.0000	0.0000	0	0.00
Jun 2019	ZAAD	Future	4,934	10.3650	10.3297	0.0000	0.0000	0	0.00
			<u>25,000</u>					<i>46.00</i>	<i>462,456.40</i>
		Total	25,000					46.00	462,456.40
									<i>3 774 339.00</i>
									<i>32 947 234 226.50</i>
Future									
Dec 2018	ZACA	Future	700	10.3996	10.3584	0.0000	0.0000	0	0.00

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Mar 2019	ZACA	Future	250	10.5402	10.4999	0.0000	0.0000	0	0.00
Sep 2019	ZACA	Future	250	10.6868	10.6471	0.0000	0.0000	0	0.00
			<u>1,200</u>					<u>0.00</u>	<u>0.00</u>
		Total	1,200					0.00	0.00
									140 963.00
									1 391 359 940.10
Future									
Dec 2018	ZADK	Future	140	2.0943	2.1065	0.0000	0.0000	0	0.00
			<u>140</u>					<u>0.00</u>	<u>0.00</u>
		Total	140					0.00	0.00
									12 435.00
									267 991 609.00
Future									
Dec 2018	ZAEU	Future	113,951	15.5624	15.6576	15.5789	15.4821	7,613	118,382,114.80
Mar 2019	ZAEU	Future	37,567	15.8774	15.9749	15.8460	15.8202	1,013	16,072,554.00
Jun 2019	ZAEU	Future	4,942	16.1762	16.2768	0.0000	0.0000	0	0.00
Sep 2019	ZAEU	Future	8,591	16.5045	16.6074	0.0000	0.0000	459	7,585,131.00
Dec 2019	ZAEU	Future	277	16.8133	16.9179	0.0000	0.0000	0	0.00
			<u>165,328</u>					<u>9,085.00</u>	<u>142,039,799.80</u>
									15 730 308.00
									226 456 941 235.70
Option									
Mar 2019	ZAEU	15.60 Put	462	373.6295	349.6379	0.0000	0.0000	0	0.00
Mar 2019	ZAEU	16.00 Call	650	466.5925	527.3716	0.0000	0.0000	0	0.00
Mar 2019	ZAEU	17.33 Put	462	1608.3320	1539.1378	0.0000	0.0000	0	0.00
Mar 2019	ZAEU	19.65 Call	462	22.3843	28.3009	0.0000	0.0000	0	0.00
Sep 2019	ZAEU	18.60 Call	55,000	411.4510	446.3639	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	13.73 Put	17,150	101.2550	95.8083	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	16.15 Put	17,150	749.2862	709.9017	0.0000	0.0000	0	0.00
Dec 2019	ZAEU	20.62 Call	17,150	370.1757	388.1223	0.0000	0.0000	0	0.00
			<u>108,486</u>					<u>0.00</u>	<u>0.00</u>
		Total	273,814					9,085.00	142,039,799.80
									26 686 722.00
									226 456 941 235.70
Future									
Dec 2018	ZAFR	Future	1,266	13.7505	13.8200	0.0000	0.0000	0	0.00
Jun 2019	ZAFR	Future	150	14.3243	14.3975	0.0000	0.0000	0	0.00
			<u>1,416</u>					<u>0.00</u>	<u>0.00</u>
		Total	1,416					0.00	0.00
									621 258.00
									6 677 568 092.80
Future									
Dec 2018	ZAGB	Future	417,832	17.4465	17.5901	0.0000	0.0000	92	1,611,656.00
Mar 2019	ZAGB	Future	12,349	17.7378	17.8833	0.0000	0.0000	0	0.00
Jun 2019	ZAGB	Future	5,539	18.0098	18.1593	0.0000	0.0000	0	0.00
Sep 2019	ZAGB	Future	11,480	18.3047	18.4564	0.0000	0.0000	0	0.00
Dec 2019	ZAGB	Future	247	18.5862	18.7400	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
			447,447					92.00	1,611,656.00	12 945 148.00	220 432 752 682.60	
Option												
	Dec 2018	ZAGB	19.30 Call	200	2.5603	6.3610	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	18.00 Put	500	772.3171	703.4689	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	19.00 Call	2,500	231.2539	274.8376	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	19.19 Put	1,000	1650.4798	1543.7423	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	20.00 Call	500	100.3008	123.6748	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	20.18 Call	1,500	85.7718	106.4036	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	21.44 Call	500	30.4660	36.8171	0.0000	0.0000	0	0.00		
			6,700					0.00	0.00	1 783 113.00	0.00	
	Total		454,147					92.00	1,611,656.00	14 728 261.00	220 432 752 682.60	
Future												
	Dec 2018	ZAJY	Future	6,905	0.1208	0.1216	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	0.1311	0.1322	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	ZAUM	Future	439	13.7024	13.7983	0.0000	0.0000	0	0.00		
	Mar 2019	ZAUM	Future	10	13.8578	13.9570	0.0000	0.0000	0	0.00		
			449					0.00	0.00	154 081.00	178 391 643 530.00	
	Total		449					0.00	0.00	158 604.00	178 391 643 530.00	
Future												
	Dec 2018	ZAUS	Future	707,112	13.7024	13.7983	13.7285	13.6100	55,223	754,176,401.20		
	Mar 2019	ZAUS	Future	72,070	13.8578	13.9570	13.8870	13.7660	11,299	156,410,878.70		
	Jun 2019	ZAUS	Future	18,736	14.0076	14.1097	13.9977	13.9977	4	55,990.80		
	Sep 2019	ZAUS	Future	14,099	14.1687	14.2731	0.0000	0.0000	0	0.00		
	Dec 2019	ZAUS	Future	9,600	14.3220	14.4291	0.0000	0.0000	0	0.00		
	Mar 2020	ZAUS	Future	3,966	14.4963	14.6067	0.0000	0.0000	0	0.00		
			825,583					66,526.00	910,643,270.70	190 362 019.00	2 286 191 146 051.60	
Option												
	Dec 2018	ZAUS	11.64 Put	2,764	0.0467	0.1094	0.0000	0.0000	0	0.00		
	Dec 2018	ZAUS	11.75 Put	228,616	0.0660	0.1586	0.0000	0.0000	0	0.00		
	Dec 2018	ZAUS	11.90 Put	11,300	0.1070	0.2638	0.0000	0.0000	0	0.00		
	Dec 2018	ZAUS	12.00 Put	174,530	0.1486	0.3709	0.0000	0.0000	0	0.00		

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Dec 2018	ZAUS	12.02 Put	5,500	0.1588	0.3972	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	0.2079	0.5224	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	0.2928	0.7367	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	0.3484	0.8752	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	0.5541	1.3719	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	1203.2673	1300.1092	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	0.8673	1.8092	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	1.4263	2.4012	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	1.7329	2.6908	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	2.2829	3.1716	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	5.1143	5.2594	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	708.6829	804.3239	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	72,280	6.2829	6.0239	0.0000	0.0000	17,300	0.00
Dec 2018	ZAUS	13.05 Put	1,500	8.4014	6.9276	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	11.1235	8.0010	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	521.3284	612.9104	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	20.9526	16.3616	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	476.7289	567.6029	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	24.3289	19.3029	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	34.0055	27.8210	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	35.6159	29.2466	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	312.6069	399.4268	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	60.2069	51.1268	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	276.1171	361.4657	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	73.7171	63.1657	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	68,500	107.4480	93.1457	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	141.4721	123.2432	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	151.0066	131.6538	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	179.1551	154.2537	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	203.4821	173.9565	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	500	112.2056	177.4061	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	500	209.8056	179.1061	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	277.9914	238.2006	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	67.5673	119.1384	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,000	56.5426	103.6656	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	53,250	354.1426	305.3656	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	436.7315	379.5342	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	453.8914	395.1086	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	34.9432	71.2809	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	115,000	479.9814	418.8901	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	488.7659	426.9248	0.0000	0.0000	34,600	0.00
Dec 2018	ZAUS	14.20 Call	51,000	26.7107	57.8713	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.20 Put	13,650	524.3107	459.5713	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	560.4507	492.9808	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	21.9702	49.7444	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	615.6238	544.3797	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	15.9872	38.9014	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	643.5872	570.6014	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	14.7522	36.5589	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	662.3522	588.2589	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	700.1489	623.9665	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	12.0493	31.2698	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	10.6081	27.5698	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	13,700	8.7925	22.7953	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	806.3925	724.4953	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	816.1252	733.8213	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	81,900	6.4895	16.8921	0.0000	0.0000	4,000	0.00
Dec 2018	ZAUS	14.60 Put	1,000	904.0895	818.5921	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	6.2996	16.3944	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	6.1159	15.9115	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	972.8838	885.4055	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	4.8471	12.5344	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	1041.9277	952.8309	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	4.2081	10.8061	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	1051.8081	962.5061	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	3.6645	9.3226	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	1101.2645	1011.0226	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.82 Call	250	3.4703	8.7900	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	3.2879	8.2886	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	3.2010	8.0493	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	1200.4046	1108.6561	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	2.1726	5.2108	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	10,000	1299.7726	1206.9108	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	2.1193	5.0635	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	1.7060	4.0333	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	1.6566	3.9210	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	1.4320	3.4077	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Call	50	1.2403	2.9664	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	1498.8403	1404.6664	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	1548.6766	1454.3397	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	1598.5364	1504.0542	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	0.7730	2.0130	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	0.6078	1.6562	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	0.5767	1.5874	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.50 Call	5,000	0.5474	1.5220	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1798.1474	1703.2220	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	0.5334	1.4905	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	0.4347	1.2649	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	0.4239	1.2396	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	0.4133	1.2150	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	0.3310	1.0181	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	0.3078	0.9612	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	2137.8375	2042.4834	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	17,300	0.2321	0.7693	0.0000	0.0000	17,300	0.00
Dec 2018	ZAUS	15.91 Call	1,406	0.2024	0.6912	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	5,000	0.1657	0.5917	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	0.1310	0.4933	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	0.1230	0.4702	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	0.1088	0.4279	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	0.1004	0.4024	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	0.0769	0.2564	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	0.1012	0.1995	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	0.1248	0.1659	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	1.7054	1.7720	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	15.6124	15.5749	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	46.9864	47.1030	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	51.5284	49.9679	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.80 Put	6,332	95.2790	88.8718	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	115.3734	107.3872	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	119.7324	111.4049	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	15,434	138.3541	128.5707	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	150.9810	140.2161	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	169.9784	157.7478	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	178.6026	165.7107	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	211.7268	194.2611	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	240.8234	221.1961	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	252.3312	231.8688	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.40 Put	2,100	268.1839	246.5859	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	293.0460	269.7048	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	2,550	310.3446	285.8141	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	332.7745	306.7382	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	9,570	356.0964	328.5277	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.62 Put	6,332	365.6738	337.4868	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	395.2457	365.1865	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	405.3826	374.6943	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	415.6577	384.3382	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.75 Put	17,981	431.3263	399.0547	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	452.6958	419.1512	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	485.7519	450.2901	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	491.5684	455.5956	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	515.1633	477.1431	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	22,406	576.3742	534.1295	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	601.7233	558.1547	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	365.5582	416.0212	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	707.7582	659.0212	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	350.1367	0.0000	0.0000	0.0000	750	0.00
Mar 2019	ZAUS	14.28 Put	7,028	763.3994	712.1671	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	335.3666	382.7187	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	813.4223	760.0613	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.42 Put	2,100	864.6284	809.1957	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	879.4668	823.4543	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	886.9199	830.6209	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	292.1955	334.8082	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	287.2157	329.2560	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	282.3208	323.7964	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	20,050	924.5208	866.7964	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	947.3396	888.7766	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	970.3398	910.9606	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	1040.3813	978.6709	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	1111.9721	1048.0675	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	218.3085	252.1966	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	1168.6583	1103.1142	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	1176.8223	1111.0525	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	1185.0055	1119.0087	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1193.2051	1126.9800	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	184.3155	213.8480	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1360.4291	1289.9551	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1411.7124	1340.0602	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1428.9104	1356.8759	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1437.5296	1365.3060	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	159.9295	186.1586	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1489.5040	1416.1678	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1498.2071	1424.6899	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	153.4529	178.7776	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	149.7065	0.0000	0.0000	0.0000	3,000	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1603.0585	1527.9576	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	131.4164	154.3895	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	125.8587	148.0203	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	15.46 Call	108	124.7783	146.7785	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	120.5533	141.9261	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	118.4977	139.5649	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	116.4815	137.2435	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.60 Put	462	1852.8480	0.0000	0.0000	0.0000	462	0.00
Mar 2019	ZAUS	15.66 Call	139,342	105.1291	124.1554	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	92.5984	109.6510	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	91.0544	107.8590	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	86.5927	102.6730	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.98 Call	2,100	80.3436	95.3970	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	79.0233	93.8590	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	71.0111	84.4962	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	61.8732	73.7800	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	58.0375	69.2698	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	49.5798	59.2904	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	48.8143	58.3862	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	36.8209	44.9836	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	36.5394	44.6761	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	35.1691	43.1756	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	33.6014	41.4569	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	33.3481	41.1787	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	33.0977	40.9028	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	30.0254	37.5156	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	28.5095	35.8367	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.33 Put	462	3500.0878	0.0000	0.0000	0.0000	462	0.00
Mar 2019	ZAUS	17.50 Call	16,000	24.6491	31.5326	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	17.4150	23.3321	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	11.0855	16.4728	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	19.65 Call	462	2.4915	0.0000	0.0000	0.0000	462	0.00
Jun 2019	ZAUS	10.69 Put	1,000	7.3734	7.3555	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	86.3353	82.3249	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	170.3224	163.3189	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	231.9553	221.6762	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	237.9262	227.3319	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	317.4710	302.7096	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	592.3559	561.8044	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	619.9571	588.2302	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	704.5868	772.5956	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	544.5454	601.4211	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	496.1344	549.2841	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	1104.3619	1054.2715	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	432.4940	479.8761	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	15.10 Call	1,000	370.0646	411.7507	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	5,035	276.9298	311.0098	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	249.8488	281.2784	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	233.4296	263.1975	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	16.00 Call	20	223.1593	251.8611	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	17.96 Call	8,203	95.4485	107.0938	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	11.8474	11.9558	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	170.7592	161.0844	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.91 Put	81,930	721.4669	691.8219	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	755.3133	724.5842	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.09 Put	33,715	825.1622	792.2612	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.14 Put	0	855.0921	821.2869	0.0000	0.0000	141,127	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	897.7358	862.7181	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.33 Put	33,151	972.4906	935.3928	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	1232.3624	1187.9385	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1723.8770	1668.0794	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1867.0681	1808.5368	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	416.4418	459.4192	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	243.3934	271.8292	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	216.4651	242.4021	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	204.6330	229.4410	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	200.4340	224.8343	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.29 Call	81,930	183.3856	206.1074	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	174.9179	197.8471	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	161.3271	187.0263	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.67 Call	0	158.0844	183.4257	0.0000	0.0000	141,127	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	113.1469	133.1749	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	73.1186	71.9334	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	650.4979	627.8234	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	358.6304	390.4900	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	151.8092	177.3174	0.0000	0.0000	0	0.00		
			<u>7,565,530</u>					<u>360,590.00</u>	<u>0.00</u>	<u>62 607 484.00</u>	<u>0.00</u>
	Total		8,391,113					427,116.00	910,643,270.70	252 969 503.00	2 286 191 146 051.60
	Grand Total		10,126,287					436,544.00	1 057 587 535.90	345,870,097	3,167,955,223,192.13