



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 06-November-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
<b>Future</b>											
Nov 2017	DAEU	Future	21	16.4634	16.5574	0.0000	0.0000	0	0.00		
Nov 2017	DAEU	Future	800	16.5113	16.6065	0.0000	0.0000	0	0.00		
Dec 2017	DAEU	Future	3	16.5347	16.6728	0.0000	0.0000	0	0.00		
Dec 2017	DAEU	Future	800	16.6246	16.7199	0.0000	0.0000	0	0.00		
			<u>1,624</u>					<u>0.00</u>	<u>0.00</u>	<u>247 766.00</u>	<u>3 574 018 719.90</u>
<b>Option</b>											
Jan 2018	DAEU	15.80 Put	193,000	184.7775	165.2496	0.0000	0.0000	0	0.00		
			<u>193,000</u>					<u>0.00</u>	<u>0.00</u>	<u>517 422.00</u>	<u>0.00</u>
		<b>Total</b>	<b>194,624</b>					<b>0.00</b>	<b>0.00</b>	<b>765 188.00</b>	<b>3 574 018 719.90</b>
<b>Future</b>											
Dec 2017	DAGB	Future	10	18.7333	18.7394	0.0000	0.0000	0	0.00		
Jan 2018	DAGB	Future	10	18.9104	18.9156	0.0000	0.0000	0	0.00		
			<u>20</u>					<u>0.00</u>	<u>0.00</u>	<u>53 490.00</u>	<u>877 331 125.50</u>
<b>Option</b>											
Dec 2017	DAGB	19.19 Call	15,200	177.8243	0.0000	0.0000	0.0000	15,200	0.00		
			<u>15,200</u>					<u>15,200.00</u>	<u>0.00</u>	<u>207 313.00</u>	<u>0.00</u>
		<b>Total</b>	<b>15,220</b>					<b>15,200.00</b>	<b>0.00</b>	<b>260 803.00</b>	<b>877 331 125.50</b>
<b>Future</b>											
Nov 2017	DAUS	Future	0	14.1880	14.2412	0.0000	0.0000	40,200	570,362,000.00		
Nov 2017	DAUS	Future	70	14.1984	14.2513	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	200	14.2024	14.2315	0.0000	0.0000	200	2,846,300.00		
Nov 2017	DAUS	Future	300	14.2044	14.2578	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	1,630	14.2069	14.2603	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	1,990	14.2345	14.2880	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	2,708	14.2396	14.2931	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	24	14.2496	14.3032	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	241	14.2740	14.3274	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	1,781	14.2763	14.3297	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 2017	DAUS	Future	916	14.3050	14.3583	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	14.3240	14.3773	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	500	14.3383	14.3915	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	14.3430	14.3962	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	14.3571	14.4104	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	70	14.3736	14.4269	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	1,564	14.3877	14.4410	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	70	14.4181	14.4716	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	70	14.5816	14.6357	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	110	14.5956	14.6497	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	70	14.6213	14.6755	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	181	14.6680	14.7223	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	100	14.7428	14.7972	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,800	14.7849	14.8394	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	70	14.7966	14.8511	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	953	14.8106	14.8651	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	14.8412	14.8959	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	15.0161	15.0706	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	15.0621	15.1160	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	15.2922	15.3345	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	16.7338	16.7637	0.0000	0.0000	0	0.00		
			<u>100,421</u>					<u>40,400.00</u>	<u>573,208,300.00</u>	<u>6 872 613.00</u>	<u>83 244 610 521.00</u>

**Option**

Nov 2017	DAUS	13.50 Put	60	22.8913	24.5211	0.0000	0.0000	0	0.00
Nov 2017	DAUS	17.74 Call	60	0.8332	1.1646	0.0000	0.0000	0	0.00
Nov 2017	DAUS	12.75 Put	238,000	4.5335	4.4692	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.50 Put	60	93.2385	83.9431	0.0000	0.0000	0	0.00
Dec 2017	DAUS	18.02 Call	60	6.1040	6.7672	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.50 Call	150	347.6729	370.4671	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.20 Put	2,000	76.5077	68.5435	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.76 Call	1,000	308.9795	328.3690	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.88 Call	1,000	274.4775	292.3142	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	107,000	107.8570	100.2659	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.27 Put	154,000	111.6490	103.8653	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.30 Put	40,904	117.5219	109.4434	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.40 Put	168,000	138.7457	129.6420	0.0000	0.0000	0	0.00
Feb 2018	DAUS	12.57 Put	242	37.2726	35.2023	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.04 Put	234	74.6748	68.8907	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.15 Put	3,496	91.4864	84.7799	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.22 Call	242	259.8037	280.0008	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.52 Call	2,723	201.0803	218.1428	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.79 Call	234	159.8762	174.4918	0.0000	0.0000	0	0.00

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Feb 2018	DAUS	15.88 Call	773	148.0052	162.0618	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.80 Put	35,000	260.7155	0.0000	0.0000	0.0000	35,000	0.00
Mar 2018	DAUS	13.50 Put	100,000	193.8145	182.7218	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.40 Put	100,000	169.4624	159.3538	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.00 Put	1,000	973.5803	940.2739	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.81 Call	2,000	347.3098	361.1058	0.0000	0.0000	0	0.00
Apr 2018	DAUS	13.80 Put	1,000	341.8417	324.7791	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.23 Call	500	498.7524	517.3704	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.66 Call	500	389.7134	404.5167	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	365.9842	349.4616	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	522.9496	541.6314	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	412.5502	427.8970	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	387.1695	371.3424	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	544.6636	563.4435	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	434.0970	449.8820	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.19 Put	1,500	563.2022	0.0000	0.0000	0.0000	1,500	0.00
Jul 2018	DAUS	15.72 Call	1,500	577.1932	0.0000	0.0000	0.0000	1,500	0.00
Jul 2018	DAUS	13.80 Put	1,000	406.6290	391.5541	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	567.9606	587.4946	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	456.8118	473.7421	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	424.8331	410.5821	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	582.3230	602.0052	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	470.8340	488.4244	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	439.0565	425.4030	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	596.2816	616.2023	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	481.8371	499.5217	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	453.9400	440.6265	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	615.4382	635.8388	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	503.8250	522.1423	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	468.8672	456.7227	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	634.5437	654.1819	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	516.6991	533.8409	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	482.3475	470.7011	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	655.8678	674.3323	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	535.7559	551.6559	0.0000	0.0000	0	0.00
			<u>979,238</u>					<u>38,000.00</u>	<u>0.00</u>
									<u>14 613 299.00</u>
			<b>Total</b>	<b>1,079,659</b>				<b>78,400.00</b>	<b>573,208,300.00</b>
									<b>21 485 912.00</b>
									<b>83 244 610 521.00</b>
<b>Future</b>									
Dec 2017	EUUS	Future	111	1.1614	1.1638	0.0000	0.0000	0	0.00
			<u>111</u>					<u>0.00</u>	<u>0.00</u>
									<u>648 699.00</u>
									<u>7 288 521 918.00</u>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
<b>Total</b>			<b>111</b>					<b>0.00</b>	<b>0.00</b>	648 699.00	7 288 521 918.00
<b>Future</b>											
Dec 2017	ZAAD	Future	16,026	10.9396	10.9519	10.9470	10.9344	90	984,600.00		
Mar 2018	ZAAD	Future	1,150	11.0971	11.1092	0.0000	0.0000	0	0.00		
Jun 2018	ZAAD	Future	550	11.2556	11.2678	0.0000	0.0000	0	0.00		
			<u>17,726</u>					<u>90.00</u>	<u>984,600.00</u>	<u>3 391 328.00</u>	<u>29 046 228 063.10</u>
<b>Total</b>			<b>17,726</b>					<b>90.00</b>	<b>984,600.00</b>	<b>3 423 705.00</b>	<b>29 046 228 063.10</b>
<b>Future</b>											
Dec 2017	ZACA	Future	350	11.1839	11.2293	0.0000	0.0000	0	0.00		
			<u>350</u>					<u>0.00</u>	<u>0.00</u>	<u>121 203.00</u>	<u>1 189 651 312.10</u>
<b>Total</b>			<b>350</b>					<b>0.00</b>	<b>0.00</b>	<b>121 203.00</b>	<b>1 189 651 312.10</b>
<b>Future</b>											
Dec 2017	ZADK	Future	550	2.2294	2.2562	2.2381	2.2272	550	12,271,400.00		
			<u>550</u>					<u>550.00</u>	<u>12,271,400.00</u>	<u>8 320.00</u>	<u>177 471 409.00</u>
<b>Total</b>			<b>550</b>					<b>550.00</b>	<b>12,271,400.00</b>	<b>8 320.00</b>	<b>177 471 409.00</b>
<b>Future</b>											
Dec 2017	ZAEU	Future	107,357	16.5891	16.6846	16.6872	16.5688	5,318	88,403,357.60		
Mar 2018	ZAEU	Future	13,101	16.9327	17.0295	0.0000	0.0000	623	10,600,033.50		
Jun 2018	ZAEU	Future	510	17.2812	17.3798	17.3153	17.3153	10	173,153.00		
Sep 2018	ZAEU	Future	4,679	17.6407	17.7409	0.0000	0.0000	0	0.00		
			<u>125,647</u>					<u>5,951.00</u>	<u>99,176,544.10</u>	<u>12 746 579.00</u>	<u>179 504 548 182.40</u>
<b>Option</b>											
Dec 2017	ZAEU	14.00 Put	18,000	5.0575	5.1293	0.0000	0.0000	0	0.00		
Dec 2017	ZAEU	16.39 Call	18,000	494.8446	562.3756	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	15.05 Put	5,648	93.1682	86.4796	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	15.10 Put	19,510	98.2215	91.2014	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	16.50 Call	643	916.6231	977.1447	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	17.00 Call	620	674.4608	724.2979	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.75 Put	54,617	28.9378	28.2947	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.97 Put	7,000	35.8826	0.0000	0.0000	0.0000	14,135	0.00		
Jun 2018	ZAEU	15.25 Put	54,617	168.1402	156.0968	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	16.44 Put	7,000	496.7862	0.0000	0.0000	0.0000	7,000	0.00		
Jun 2018	ZAEU	18.61 Call	7,000	494.8856	0.0000	0.0000	0.0000	14,135	0.00		
Jun 2018	ZAEU	20.55 Call	54,617	208.5275	225.0270	0.0000	0.0000	0	0.00		
			<u>247,272</u>					<u>35,270.00</u>	<u>0.00</u>	<u>5 619 192.00</u>	<u>0.00</u>
<b>Total</b>			<b>372,919</b>					<b>41,221.00</b>	<b>99,176,544.10</b>	<b>18 365 771.00</b>	<b>179 504 548 182.40</b>

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<b>Future</b>											
	Dec 2017	ZAFR	Future	1,502	14.3202	14.3434	0.0000	0.0000	0	0.00	
				<u>1,502</u>					<u>0.00</u>	<u>0.00</u>	<u>598 103.00</u>
			<b>Total</b>	<b>1,502</b>					<b>0.00</b>	<b>0.00</b>	<b>598 103.00</b>
<b>6 357 013 656.60</b>											
<b>Future</b>											
	Dec 2017	ZAGB	Future	209,468	18.7449	18.7509	18.7581	18.7344	4,956	92,947,649.00	
	Mar 2018	ZAGB	Future	3,691	19.0827	19.0877	19.0987	19.0987	500	9,549,350.00	
	Jun 2018	ZAGB	Future	4,883	19.4210	19.4251	19.4361	19.4166	1,500	29,140,725.00	
	Sep 2018	ZAGB	Future	3,565	19.7638	19.7670	0.0000	0.0000	0	0.00	
				<u>221,607</u>					<u>6,956.00</u>	<u>131,637,724.00</u>	<u>9 222 348.00</u>
											<u>153 538 987 504.60</u>
<b>Option</b>											
	Dec 2017	ZAGB	18.20 Call	400	779.5279	791.7404	0.0000	0.0000	0	0.00	
	Dec 2017	ZAGB	19.80 Call	800	157.9495	166.9845	0.0000	0.0000	0	0.00	
	Mar 2018	ZAGB	17.00 Put	500	154.5154	157.1182	0.0000	0.0000	0	0.00	
	Mar 2018	ZAGB	20.14 Call	500	488.4807	495.9671	0.0000	0.0000	0	0.00	
				<u>2,200</u>					<u>0.00</u>	<u>0.00</u>	<u>1 770 013.00</u>
			<b>Total</b>	<b>223,807</b>					<b>6,956.00</b>	<b>131,637,724.00</b>	<b>10 992 361.00</b>
											<b>153 538 987 504.60</b>
<b>Future</b>											
	Dec 2017	ZAJY	Future	225	0.1254	0.1257	0.0000	0.0000	0	0.00	
				<u>225</u>					<u>0.00</u>	<u>0.00</u>	<u>952 800.00</u>
			<b>Total</b>	<b>225</b>					<b>0.00</b>	<b>0.00</b>	<b>952 800.00</b>
											<b>10 617 056 977.80</b>
<b>Future</b>											
	Jun 2018	ZAKS	Future	1,145	0.1359	0.1354	0.0000	0.0000	0	0.00	
	Sep 2018	ZAKS	Future	562	0.1356	0.1358	0.0000	0.0000	1,124	14,960,440.00	
				<u>1,707</u>					<u>1,124.00</u>	<u>14,960,440.00</u>	<u>31 923.00</u>
			<b>Total</b>	<b>1,707</b>					<b>1,124.00</b>	<b>14,960,440.00</b>	<b>31 923.00</b>
											<b>432 652 210.00</b>
<b>Future</b>											
	Dec 2017	ZATR	Future	4,775	3.6794	3.6606	0.0000	0.0000	0	0.00	
				<u>4,775</u>					<u>0.00</u>	<u>0.00</u>	<u>232 443.00</u>
			<b>Total</b>	<b>4,775</b>					<b>0.00</b>	<b>0.00</b>	<b>232 443.00</b>
											<b>840 432 591.50</b>
<b>Future</b>											
	Dec 2017	ZAUM	Future	773	14.2835	14.3369	14.3533	14.2981	53	75,961,540.00	
	Mar 2018	ZAUM	Future	28	14.4975	14.5513	0.0000	0.0000	0	0.00	
	Jun 2018	ZAUM	Future	9	14.7101	14.7644	0.0000	0.0000	0	0.00	
				<u>810</u>					<u>53.00</u>	<u>75,961,540.00</u>	<u>144 015.00</u>
			<b>Total</b>	<b>810</b>					<b>53.00</b>	<b>75,961,540.00</b>	<b>148 538.00</b>
											<b>165 184 275 810.00</b>

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<b>Future</b>									
Dec 2017	ZAUS	Future	1,030,511	14.2835	14.3369	14.3765	14.2520	56,030	801,728,585.90
Mar 2018	ZAUS	Future	173,485	14.4975	14.5513	0.0000	0.0000	3,000	43,551,600.00
Jun 2018	ZAUS	Future	110,251	14.7101	14.7644	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	Future	3,267	14.9251	14.9797	0.0000	0.0000	500	7,482,700.00
Sep 2020	ZAUS	Future	184,000	16.8745	16.9083	0.0000	0.0000	0	0.00
			<u>1,501,514</u>					<u>59,530.00</u>	<u>852,762,885.90</u>
									<u>157 665 387.00</u>
									<u>1 845 251 453 176.20</u>
<b>Option</b>									
Dec 2017	ZAUS	11.75 Put	1,000	2.6846	2.6738	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.00 Put	20,141	3.6389	3.5649	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.16 Put	550	4.4512	4.3139	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.20 Put	4,000	4.6858	4.5286	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.21 Put	18,000	4.7466	4.5843	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.40 Put	114,600	6.0955	5.8101	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.50 Put	16,416	6.9830	6.6095	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.56 Put	7,100	7.5878	7.1517	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.65 Put	1,819	8.6150	8.0681	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.75 Put	10,000	9.9550	9.2564	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.76 Put	550	10.1020	9.3866	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.00 Put	10,000	19.2979	16.3373	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.10 Put	41,000	26.5343	22.8228	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.12 Put	40,000	28.2157	24.3397	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.15 Put	2,600	30.8958	26.7661	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.18 Put	16,000	33.7754	29.3825	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.20 Call	7,000	1119.3107	1168.1360	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.20 Put	6,728	35.8107	31.2360	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.21 Put	5,000	36.8649	32.1972	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.22 Put	7,100	37.9427	33.1816	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.25 Call	16,141	1074.8255	1123.1768	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.35 Put	52,000	54.3336	48.2539	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.40 Put	114,600	61.9186	55.2814	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.50 Call	11,016	862.9705	908.5384	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.60 Call	4,000	784.3543	828.2502	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Call	3,750	667.3744	708.4133	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Put	3,000	143.8744	131.5133	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.80 Put	550	156.3152	143.2890	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.93 Call	7,100	555.1196	593.2612	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Call	19,000	512.6619	549.5625	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Put	33,000	229.1619	212.6625	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.27 Put	40,000	356.7539	334.8048	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.40 Call	2,000	316.2618	343.1986	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 2017	ZAUS	14.50 Call	7,000	279.4894	304.4434	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Put	2,055	495.9894	467.5434	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.63 Call	10,000	237.3861	259.8898	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.90 Call	1,500	167.9214	185.8700	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	5,580	147.3525	163.9194	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	127.4138	142.4574	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.12 Call	40,000	125.7360	140.6301	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.50 Call	25,457	75.8181	85.8831	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.60 Call	10,000	66.3664	75.4168	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	16.00 Call	117,200	36.7485	43.2348	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.13 Call	18,000	6.3337	7.5927	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	6.0192	6.6802	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	4.5575	4.9791	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	225,000	23.6152	22.1218	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.36 Put	20,880	41.6591	39.1786	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	44.2558	41.6386	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.50 Put	26,000	51.3643	48.3767	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.57 Put	3,000	56.9017	53.6297	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.94 Put	5,000	95.3086	90.1565	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	94,964	103.2141	97.6916	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.22 Put	15,000	142.7836	133.8517	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	2,478	149.1815	139.9368	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	179.2865	168.6150	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	2,500	184.2674	173.3712	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Call	15,000	1208.1371	1249.8636	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Put	17,000	210.6371	198.5636	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.60 Put	3,000	239.4836	226.1861	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.74 Put	20,880	284.1637	269.0745	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.76 Call	4,000	1028.4645	1066.9137	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.91 Put	7,000	347.9446	330.5382	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.05 Put	500	407.6686	388.3252	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.18 Put	41,000	468.0234	446.8669	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.45 Call	17,000	655.5135	684.4362	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.49 Put	80,000	630.3767	604.9603	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Put	400	636.0320	610.4831	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.75 Call	20,880	535.6006	560.2879	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.86 Call	15,000	497.1468	520.6032	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.90 Call	5,000	483.8243	506.8475	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	8,395	480.5483	503.4615	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.95 Call	3,000	467.6526	490.1404	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.00 Call	5,626	452.0025	473.9649	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	419.3446	440.1842	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 2018	ZAUS	15.26 Call	2,500	378.5710	397.9115	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	331.1054	348.4040	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	65,000	322.3783	339.3187	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.75 Call	15,000	273.0655	287.9242	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.00 Call	3,276	231.3166	244.7913	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.16 Call	225,000	207.1608	219.5097	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	750	10.8305	10.7679	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	32,782	15.0589	14.8060	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	137,000	30.1849	27.5778	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	12,603	62.9912	58.4970	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	32,782	109.2817	102.6359	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	146.7496	138.6104	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	14,658	154.7978	146.3572	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	165.2826	156.4621	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	192.4279	182.6661	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.22 Put	15,000	204.5842	194.4210	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	50	224.6921	214.2741	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	268.2777	256.1522	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	274.0946	261.7473	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	323.6305	309.4507	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.70 Put	184,000	343.6007	328.7097	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	389.5189	373.0499	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	393.2004	376.6098	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	415.7516	398.4148	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	6,130	456.3973	436.4757	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	500.6402	479.5299	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	818.2986	844.5816	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	777.9952	803.1603	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	668.3059	690.7594	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	658.2156	680.4123	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	568.2929	588.1321	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	540.7478	559.5541	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	397.8788	412.7214	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	356.1668	370.6432	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	350.8499	365.1432	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	337.0919	350.8976	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	32,782	332.0857	345.7126	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	1,500	262.1246	273.1803	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	236.8116	246.9017	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.28 Call	5,630	228.9966	238.7865	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	218.3371	227.7098	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.00 Put	750	18.2355	16.5673	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>
Sep 2018	ZAUS	12.61 Put	5,300	98.9770	93.6197	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	105.9377	100.3506	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	145.6775	138.8938	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	1656.0293	1697.9599	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.73 Put	2,500	408.2784	394.7116	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	639.2098	660.0538	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	621.7190	642.1673	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	597.6682	617.5650	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	17.02 Call	2,500	421.9629	437.9188	0.0000	0.0000	0	0.00
			<u>2,526,267</u>					<i>0.00</i>	<i>0.00</i>
		<b>Total</b>	<b><u>4,027,781</u></b>					<b><u>59,530.00</u></b>	<b><u>852,762,885.90</u></b>
									<i>39 117 163.00</i>
									<i>0.00</i>
									<i>196 782 550.00</i>
									<i>1 845 251 453 176.20</i>

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<b>Grand Total</b>	<b>5,941,766</b>					<b>203,124.00</b>	<b>1 760 963 434.00</b>	<b>263,335,006</b>	<b>2,531,697,110,344.70</b>
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