



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 07-November-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
Nov 2017	DAEU	Future	21	16.4102	16.4634	0.0000	0.0000	0	0.00
Nov 2017	DAEU	Future	800	16.4616	16.5113	0.0000	0.0000	0	0.00
Dec 2017	DAEU	Future	3	16.4835	16.5347	0.0000	0.0000	0	0.00
Dec 2017	DAEU	Future	800	16.5734	16.6246	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	190.6606	184.7775	0.0000	0.0000	0	0.00
Feb 2018	DAEU	16.41 Put	114,748	440.7274	0.0000	0.0000	0.0000	114,748	0.00
			<u>307,748</u>					<u>114,748.00</u>	<u>0.00</u>
		<b>Total</b>	<b>309,372</b>					<b>114,748.00</b>	<b>0.00</b>
									<u>879 936.00</u>
									<u>3 574 018 719.90</u>
<b>Future</b>									
Dec 2017	DAGB	Future	10	18.7201	18.7333	0.0000	0.0000	0	0.00
Jan 2018	DAGB	Future	10	18.8983	18.9104	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	156.9327	177.8243	0.0000	0.0000	0	0.00
			<u>15,200</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>15,220</b>					<b>0.00</b>	<b>0.00</b>
									<u>260 803.00</u>
									<u>877 331 125.50</u>
<b>Future</b>									
Nov 2017	DAUS	Future	70	14.1624	14.1984	0.0000	0.0000	0	0.00
Nov 2017	DAUS	Future	200	14.1693	14.2024	0.0000	0.0000	0	0.00
Nov 2017	DAUS	Future	300	14.1728	14.2044	0.0000	0.0000	0	0.00
Nov 2017	DAUS	Future	1,630	14.1762	14.2069	0.0000	0.0000	0	0.00
Nov 2017	DAUS	Future	1,990	14.2034	14.2345	0.0000	0.0000	0	0.00
Nov 2017	DAUS	Future	2,708	14.2083	14.2396	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	24	14.2182	14.2496	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	241	14.2425	14.2740	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	1,781	14.2449	14.2763	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	14.2733	14.3050	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	241	14.2922	14.3240	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	500	14.3064	14.3383	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	241	14.3111	14.3430	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	241	14.3253	14.3571	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	70	14.3419	14.3736	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	1,564	14.3560	14.3877	0.0000	0.0000	0	0.00
Feb 2018	DAUS	Future	70	14.3866	14.4181	0.0000	0.0000	0	0.00
Apr 2018	DAUS	Future	70	14.5482	14.5816	0.0000	0.0000	0	0.00
Apr 2018	DAUS	Future	110	14.5621	14.5956	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	70	14.5875	14.6213	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	181	14.6336	14.6680	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	14.7074	14.7428	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	14.7489	14.7849	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	14.7604	14.7966	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	953	14.7743	14.8106	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	14.8045	14.8412	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	14.9777	15.0161	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	15.0231	15.0621	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	15.2483	15.2922	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	16.6602	16.7338	0.0000	0.0000	0	0.00
			<u>100,421</u>					<u>0.00</u>	<u>0.00</u>
									<u>6 872 613.00</u>
									<u>83 244 610 521.00</u>
<b>Option</b>									
Nov 2017	DAUS	13.50 Put	60	16.7850	22.8913	0.0000	0.0000	0	0.00
Nov 2017	DAUS	17.74 Call	60	0.5507	0.8332	0.0000	0.0000	0	0.00
Nov 2017	DAUS	12.75 Put	238,000	3.9682	4.5335	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.50 Put	60	91.3402	93.2385	0.0000	0.0000	0	0.00
Dec 2017	DAUS	18.02 Call	60	4.8450	6.1040	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.50 Call	150	320.2520	347.6729	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.20 Put	2,000	75.5327	76.5077	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.76 Call	1,000	286.4771	308.9795	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.88 Call	1,000	253.2826	274.4775	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	107,000	107.9599	107.8570	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.27 Put	154,000	111.7887	111.6490	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.30 Put	40,904	117.7203	117.5219	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.40 Put	168,000	139.1712	138.7457	0.0000	0.0000	0	0.00
Feb 2018	DAUS	12.57 Put	242	35.8237	37.2726	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.04 Put	234	74.4564	74.6748	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.15 Put	3,496	91.3972	91.4864	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.22 Call	242	242.9511	259.8037	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.52 Call	2,723	187.0224	201.0803	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.79 Call	234	148.0432	159.8762	0.0000	0.0000	0	0.00

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Feb 2018	DAUS	15.88 Call	773	136.5844	148.0052	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	13.80 Put	35,000	263.5882	260.7155	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	14.18 Put	90,000	454.5347	0.0000	0.0000	0.0000	90,000	0.00		
Mar 2018	DAUS	13.50 Put	100,000	196.0689	193.8145	0.0000	0.0000	0	0.00		
Mar 2018	DAUS	13.40 Put	100,000	171.4339	169.4624	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.00 Put	1,000	986.5585	973.5803	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.81 Call	2,000	331.8069	347.3098	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	13.80 Put	1,000	347.7033	341.8417	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.23 Call	500	479.6271	498.7524	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.66 Call	500	373.2407	389.7134	0.0000	0.0000	0	0.00		
May 2018	DAUS	13.80 Put	1,000	372.2105	365.9842	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.43 Call	500	503.9441	522.9496	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.89 Call	500	396.1256	412.5502	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	13.80 Put	1,000	392.7099	387.1695	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	15.62 Call	500	525.6794	544.6636	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	16.10 Call	500	417.7066	434.0970	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.19 Put	1,500	571.4795	563.2022	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.72 Call	1,500	557.9624	577.1932	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	411.8727	406.6290	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	549.0346	567.9606	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	439.9629	456.8118	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	429.8670	424.8331	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	563.4004	582.3230	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	454.2615	470.8340	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	443.8021	439.0565	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	577.3659	596.2816	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	465.3584	481.8371	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	458.9201	453.9400	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	596.5610	615.4382	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	487.3544	503.8250	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	474.2561	468.8672	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	614.7876	634.5437	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	499.9900	516.6991	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	487.8262	482.3475	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	636.2726	655.8678	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	518.7991	535.7559	0.0000	0.0000	0	0.00		
			<u>1,069,238</u>					<u>90,000.00</u>	<u>0.00</u>	<u>14 703 299.00</u>	<u>0.00</u>
		<b>Total</b>	<b>1,169,659</b>					<b>90,000.00</b>	<b>0.00</b>	<b>21 575 912.00</b>	<b>83 244 610 521.00</b>
<b>Future</b>											
Dec 2017	EUUS	Future	111	1.1604	1.1614	1.1602	1.1602	250	2,900,500.00		
			<u>111</u>					<u>250.00</u>	<u>2,900,500.00</u>	<u>648 949.00</u>	<u>7 291 422 418.00</u>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
<b>Total</b>			<b>111</b>					<b>250.00</b>	<b>2,900,500.00</b>	648 949.00	7 291 422 418.00
<b>Future</b>											
Dec 2017	GBUS	Future	0	1.3143	1.3123	1.3165	1.3165	250	3,291,250.00		
Mar 2018	GBUS	Future	0	1.3184	1.3163	1.3208	1.3208	250	3,302,000.00		
			<u>0</u>					<u>500.00</u>	<u>6,593,250.00</u>	<u>164 865.00</u>	<u>2 118 063 584.00</u>
<b>Total</b>			<b>0</b>					<b>500.00</b>	<b>6,593,250.00</b>	164 865.00	2 118 063 584.00
<b>Future</b>											
Dec 2017	ZAAD	Future	16,426	10.8994	10.9396	10.9440	10.9433	650	7,113,395.00		
Mar 2018	ZAAD	Future	900	11.0563	11.0971	11.1039	11.1039	250	2,775,975.00		
Jun 2018	ZAAD	Future	300	11.2124	11.2556	11.2598	11.2598	250	2,814,950.00		
			<u>17,626</u>					<u>1,150.00</u>	<u>12,704,320.00</u>	<u>3 392 478.00</u>	<u>29 058 932 383.10</u>
<b>Total</b>			<b>17,626</b>					<b>1,150.00</b>	<b>12,704,320.00</b>	3 424 855.00	29 058 932 383.10
<b>Future</b>											
Dec 2017	ZACA	Future	350	11.1593	11.1839	11.2120	11.2120	100	1,121,200.00		
			<u>350</u>					<u>100.00</u>	<u>1,121,200.00</u>	<u>121 303.00</u>	<u>1 190 772 512.10</u>
<b>Total</b>			<b>350</b>					<b>100.00</b>	<b>1,121,200.00</b>	121 303.00	1 190 772 512.10
<b>Future</b>											
Dec 2017	ZADK	Future	700	2.2228	2.2294	2.2281	2.2265	250	5,567,850.00		
Mar 2018	ZADK	Future	0	2.2695	2.2764	2.2745	2.2745	100	2,274,500.00		
Jun 2018	ZADK	Future	0	2.3168	2.3238	2.3217	2.3217	100	2,321,700.00		
			<u>700</u>					<u>450.00</u>	<u>10,164,050.00</u>	<u>8 770.00</u>	<u>187 635 459.00</u>
<b>Total</b>			<b>700</b>					<b>450.00</b>	<b>10,164,050.00</b>	8 770.00	187 635 459.00
<b>Future</b>											
Dec 2017	ZAEU	Future	108,587	16.5378	16.5891	16.5900	16.4960	3,285	54,454,849.50		
Mar 2018	ZAEU	Future	14,051	16.8814	16.9327	16.9242	16.9176	1,200	20,304,490.00		
Jun 2018	ZAEU	Future	736	17.2262	17.2812	17.2684	17.2636	1,250	21,582,300.00		
Sep 2018	ZAEU	Future	4,679	17.5826	17.6407	17.6238	17.6238	250	4,405,950.00		
			<u>128,053</u>					<u>5,985.00</u>	<u>100,747,589.50</u>	<u>12 752 564.00</u>	<u>179 605 295 771.90</u>
<b>Option</b>											
Dec 2017	ZAEU	14.00 Put	18,000	4.6959	5.0575	0.0000	0.0000	0	0.00		
Dec 2017	ZAEU	16.39 Call	18,000	455.7431	494.8446	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	15.05 Put	5,648	91.4333	93.1682	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	15.10 Put	19,510	96.3087	98.2215	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	16.39 Put	126,600	446.9390	0.0000	0.0000	0.0000	126,600	0.00		
Mar 2018	ZAEU	16.50 Call	643	877.6506	916.6231	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	17.00 Call	620	641.1459	674.4608	0.0000	0.0000	0	0.00		

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Jun 2018	ZAEU	13.75 Put	54,617	29.8836	28.9378	0.0000	0.0000	220	0.00		
Jun 2018	ZAEU	13.97 Put	7,000	38.7098	35.8826	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.25 Put	54,617	174.1638	168.1402	0.0000	0.0000	220	0.00		
Jun 2018	ZAEU	16.44 Put	7,000	510.7503	496.7862	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	18.61 Call	7,000	472.7148	494.8856	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	20.55 Call	54,617	197.0588	208.5275	0.0000	0.0000	220	0.00		
			373,872					127,260.00	0.00	5 746 452.00	0.00
	<b>Total</b>		<b>501,925</b>					<b>133,245.00</b>	<b>100,747,589.50</b>	18 499 016.00	179 605 295 771.90
<b>Future</b>											
Dec 2017	ZAFR	Future	1,502	14.3069	14.3202	14.3351	14.3351	100	1,433,510.00		
Mar 2018	ZAFR	Future	0	14.6214	14.6330	14.6566	14.6566	100	1,465,660.00		
Jun 2018	ZAFR	Future	0	14.9373	14.9501	14.9719	14.9719	100	1,497,190.00		
			1,502					300.00	4,396,360.00	598 403.00	6 361 410 016.60
	<b>Total</b>		<b>1,502</b>					<b>300.00</b>	<b>4,396,360.00</b>	598 403.00	6 361 410 016.60
<b>Future</b>											
Dec 2017	ZAGB	Future	210,203	18.7317	18.7449	18.8260	18.7742	1,775	33,373,404.50		
Mar 2018	ZAGB	Future	3,691	19.0702	19.0827	0.0000	0.0000	0	0.00		
Jun 2018	ZAGB	Future	4,883	19.4050	19.4210	0.0000	0.0000	0	0.00		
Sep 2018	ZAGB	Future	3,565	19.7457	19.7638	0.0000	0.0000	0	0.00		
			222,342					1,775.00	33,373,404.50	9 224 123.00	153 572 360 909.10
<b>Option</b>											
Dec 2017	ZAGB	18.20 Call	400	755.0040	779.5279	0.0000	0.0000	0	0.00		
Dec 2017	ZAGB	19.80 Call	800	142.3297	157.9495	0.0000	0.0000	0	0.00		
Mar 2018	ZAGB	17.00 Put	500	150.4435	154.5154	0.0000	0.0000	0	0.00		
Mar 2018	ZAGB	20.14 Call	500	474.0945	488.4807	0.0000	0.0000	0	0.00		
			2,200					0.00	0.00	1 770 013.00	0.00
	<b>Total</b>		<b>224,542</b>					<b>1,775.00</b>	<b>33,373,404.50</b>	10 994 136.00	153 572 360 909.10
<b>Future</b>											
Dec 2017	ZAJY	Future	225	0.1250	0.1254	0.0000	0.0000	0	0.00		
Jun 2018	ZAJY	Future	0	0.1301	0.1305	0.1307	0.1307	150	1,960,500.00		
			225					150.00	1,960,500.00	952 950.00	10 619 017 477.80
	<b>Total</b>		<b>225</b>					<b>150.00</b>	<b>1,960,500.00</b>	952 950.00	10 619 017 477.80
<b>Future</b>											
Jun 2018	ZAKS	Future	1,145	0.1358	0.1359	0.0000	0.0000	0	0.00		
Sep 2018	ZAKS	Future	562	0.1345	0.1356	0.0000	0.0000	0	0.00		
			1,707					0.00	0.00	31 923.00	432 652 210.00
	<b>Total</b>		<b>1,707</b>					<b>0.00</b>	<b>0.00</b>	31 923.00	432 652 210.00

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<b>Future</b>											
Dec 2017	ZATR	Future	4,775	3.6428	3.6794	3.6568	3.6568	5	18,284.00		
			<u>4,775</u>					5.00	18,284.00	232 448.00	840 450 875.50
		<b>Total</b>	<b>4,775</b>					<b>5.00</b>	<b>18,284.00</b>	232 448.00	840 450 875.50
<b>Future</b>											
Dec 2017	ZAUM	Future	766	14.2520	14.2835	14.3146	14.2392	44	62,808,100.00		
Mar 2018	ZAUM	Future	28	14.4651	14.4975	14.5128	14.5074	10	14,510,100.00		
Jun 2018	ZAUM	Future	9	14.6751	14.7101	14.7200	14.7200	5	7,360,000.00		
Sep 2018	ZAUM	Future	0	14.8875	14.9251	14.9341	14.9341	5	7,467,050.00		
			<u>803</u>					64.00	92,145,250.00	144 079.00	165 276 421 060.00
		<b>Total</b>	<b>803</b>					<b>64.00</b>	<b>92,145,250.00</b>	148 602.00	165 276 421 060.00
<b>Future</b>											
Dec 2017	ZAUS	Future	1,017,054	14.2520	14.2835	14.3204	14.2276	48,890	697,870,709.30		
Mar 2018	ZAUS	Future	173,005	14.4651	14.4975	14.5128	14.4455	1,020	14,799,301.60		
Jun 2018	ZAUS	Future	110,251	14.6751	14.7101	14.7320	14.7200	1,509	22,210,888.00		
Sep 2018	ZAUS	Future	3,267	14.8875	14.9251	14.9369	14.9341	800	11,948,120.00		
Sep 2020	ZAUS	Future	184,000	16.7985	16.8745	0.0000	0.0000	0	0.00		
			<u>1,487,577</u>					52,219.00	746,829,018.90	157 717 606.00	1 845 998 282 195.10
<b>Option</b>											
Dec 2017	ZAUS	11.75 Put	1,000	2.2120	2.6846	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.00 Put	20,141	3.1096	3.6389	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.16 Put	550	3.8942	4.4512	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.20 Put	4,000	4.1234	4.6858	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.21 Put	18,000	4.1832	4.7466	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.40 Put	114,600	5.5243	6.0955	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.50 Put	16,416	6.4225	6.9830	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.56 Put	7,100	7.0405	7.5878	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.65 Put	1,819	8.0996	8.6150	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.75 Put	10,000	9.4964	9.9550	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.76 Put	550	9.6505	10.1020	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.00 Put	10,000	18.5861	19.2979	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.10 Put	41,000	25.5174	26.5343	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.12 Put	40,000	27.1303	28.2157	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.15 Put	2,600	29.7036	30.8958	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.18 Put	16,000	32.4711	33.7754	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.20 Call	7,000	1086.4295	1119.3107	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.20 Put	6,728	34.4295	35.8107	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.21 Put	5,000	35.4436	36.8649	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.22 Put	7,100	36.4808	37.9427	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	13.25 Call	16,141	1041.7414	1074.8255	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.35 Put	52,000	52.3121	54.3336	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.40 Put	114,600	59.6652	61.9186	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.50 Call	11,016	828.7477	862.9705	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.60 Call	4,000	749.8924	784.3543	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Call	3,750	633.1432	667.3744	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Put	3,000	141.1432	143.8744	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.80 Put	550	153.7088	156.3152	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.93 Call	7,100	521.6145	555.1196	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Call	19,000	479.6135	512.6619	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Put	33,000	227.6135	229.1619	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.27 Put	40,000	357.8394	356.7539	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.40 Call	2,000	287.7385	316.2618	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Call	7,000	252.5304	279.4894	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Put	2,055	500.5304	495.9894	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.63 Call	10,000	212.5412	237.3861	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.90 Call	1,500	147.4965	167.9214	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	5,580	128.4943	147.3525	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	110.1985	127.4138	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.12 Call	40,000	108.6665	125.7360	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.50 Call	25,457	63.7121	75.8181	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.60 Call	10,000	55.3693	66.3664	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	16.00 Call	117,200	29.6085	36.7485	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.13 Call	18,000	4.5960	6.3337	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	4.3876	6.0192	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	3.4423	4.5575	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	225,000	23.8416	23.6152	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.36 Put	20,880	41.8589	41.6591	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	44.4507	44.2558	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.50 Put	26,000	51.5432	51.3643	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.57 Put	3,000	57.0700	56.9017	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.94 Put	5,000	95.4234	95.3086	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	94,964	103.3242	103.2141	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.22 Put	15,000	144.8460	142.7836	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	2,478	151.3263	149.1815	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	181.8120	179.2865	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	2,500	186.8575	184.2674	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Call	15,000	1178.6604	1208.1371	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Put	17,000	213.5604	210.6371	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.60 Put	3,000	242.7705	239.4836	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.74 Put	20,880	288.0124	284.1637	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.76 Call	4,000	1000.2017	1028.4645	0.0000	0.0000	0	0.00

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Mar 2018	ZAUS	13.91 Put	7,000	353.5938	347.9446	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.05 Put	500	413.9344	407.6686	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.18 Put	41,000	474.8929	468.0234	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Put	65,000	484.6859	0.0000	0.0000	0.0000	65,000	0.00
Mar 2018	ZAUS	14.45 Call	17,000	631.3171	655.5135	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.49 Put	80,000	639.2693	630.3767	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Put	400	645.0956	636.0320	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.52 Put	1,000	656.8242	0.0000	0.0000	0.0000	1,000	0.00
Mar 2018	ZAUS	14.75 Call	20,880	513.8871	535.6006	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.86 Call	15,000	476.1511	497.1468	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.90 Call	5,000	463.0925	483.8243	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	8,395	459.8807	480.5483	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.95 Call	3,000	447.2485	467.6526	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.00 Call	5,626	431.9221	452.0025	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	399.9782	419.3446	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.26 Call	2,500	360.7519	378.5710	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	314.7590	331.1054	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	65,000	306.3179	322.3783	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.75 Call	15,000	258.7157	273.0655	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.00 Call	3,276	218.1085	231.3166	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.16 Call	225,000	194.9501	207.1608	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	750	10.4812	10.8305	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	32,782	14.9060	15.0589	0.0000	0.0000	132	0.00
Jun 2018	ZAUS	12.00 Put	137,000	32.0035	30.1849	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	12,603	65.5652	62.9912	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	32,782	112.4782	109.2817	0.0000	0.0000	132	0.00
Jun 2018	ZAUS	12.96 Put	2,700	150.2758	146.7496	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	14,658	158.3821	154.7978	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	168.9376	165.2826	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	196.2500	192.4279	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.22 Put	15,000	208.3521	204.5842	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	50	228.4759	224.6921	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	272.6002	268.2777	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	278.4857	274.0946	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	328.6083	323.6305	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.70 Put	184,000	348.8076	343.6007	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	395.2467	389.5189	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	398.9703	393.2004	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	421.7736	415.7516	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	6,130	464.1419	456.3973	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	508.8111	500.6402	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	794.3455	818.2986	0.0000	0.0000	0	0.00



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Jun 2018	ZAUS	14.81 Call	500	754.5845	777.9952	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.11 Call	760	646.5148	668.3059	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.14 Call	2,700	636.5875	658.2156	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.43 Call	15,000	548.3744	568.2929	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.53 Call	965	521.4973	540.7478	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.16 Call	5,183	381.4211	397.8788	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.38 Call	750	340.9394	356.1668	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.41 Call	300	335.7874	350.8499	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.49 Call	7,420	322.4550	337.0919	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.52 Call	32,782	317.6049	332.0857	0.0000	0.0000	132	0.00		
Jun 2018	ZAUS	17.00 Call	1,500	249.9793	262.1246	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.21 Call	500	225.5800	236.8116	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.28 Call	5,630	218.0531	228.9966	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.38 Call	7,028	207.7955	218.3371	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.00 Put	750	16.6125	18.2355	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.61 Put	5,300	103.1897	98.9770	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.65 Put	1,550	110.3678	105.9377	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.85 Put	750	151.2577	145.6775	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.65 Call	1,464	1622.4343	1656.0293	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.73 Put	2,500	412.4754	408.2784	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	15.97 Call	5,300	619.1888	639.2098	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.04 Call	1,550	602.0499	621.7190	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.14 Call	750	578.5011	597.6682	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	17.02 Call	2,500	406.9704	421.9629	0.0000	0.0000	0	0.00		
			<u>2,592,267</u>					<u>66,396.00</u>	<u>0.00</u>	<u>39 183 559.00</u>	<u>0.00</u>
<b>Total</b>			<b>4,079,844</b>					<b>118,615.00</b>	<b>746,829,018.90</b>	<b>196 901 165.00</b>	<b>1 845 998 282 195.10</b>
<b>Grand Total</b>			<b>6,328,361</b>					<b>461,352.00</b>	<b>1 012 953 726.90</b>	<b>263,796,358</b>	<b>2,532,710,064,071.60</b>