



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 04-June-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Jul 2018	DAEU	Future	34	14.8266	14.8792	0.0000	0.0000	0	0.00		
			34					0.00	0.00	790 974.00	11 805 710 627.30
		<b>Total</b>	<b>34</b>					<b>0.00</b>	<b>0.00</b>	<b>1 737 761.00</b>	<b>11 805 710 627.30</b>
<b>Future</b>											
Jun 2018	DAUS	Future	1,746	12.5741	12.6544	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	20	12.3509	12.3509	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	5,947	12.5942	12.6746	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	3,981	12.6091	12.6897	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	100	12.6140	12.6947	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	55	12.6157	12.6599	0.0000	0.0000	55	693,704.00		
Jul 2018	DAUS	Future	1,800	12.6438	12.7246	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	500	12.6504	12.7313	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	70	12.6521	12.7329	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,345	12.6554	12.7363	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	2,515	12.6620	12.7429	0.0000	0.0000	110	1,398,430.00		
Aug 2018	DAUS	Future	55	12.6654	12.6655	0.0000	0.0000	55	696,602.50		
Aug 2018	DAUS	Future	70	12.6835	12.7645	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	3,534	12.7129	12.7945	0.0000	0.0000	55	699,215.00		
Sep 2018	DAUS	Future	177	12.4777	12.4777	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,695	12.7583	12.8404	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	12.7647	12.7620	0.0000	0.0000	55	701,910.00		
Oct 2018	DAUS	Future	70	12.8019	12.8845	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	12.8083	12.8911	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	3,113	12.8116	12.8943	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	12.8132	12.8125	0.0000	0.0000	55	704,687.50		
Nov 2018	DAUS	Future	70	12.8326	12.9156	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	2,867	12.8600	12.9433	0.0000	0.0000	55	707,217.50		
Dec 2018	DAUS	Future	1,580	12.9092	12.9934	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	12.9124	12.9085	0.0000	0.0000	55	709,967.50		

<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>
Jan 2019	DAUS	Future	55	12.9567	12.9565	0.0000	0.0000	55	712,607.50
Jan 2019	DAUS	Future	1,225	12.9583	13.0434	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	12.9789	13.0644	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	1,280	13.0026	13.0886	0.0000	0.0000	55	715,000.00
Mar 2019	DAUS	Future	4,414	13.0455	13.1322	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	13.0550	13.0515	0.0000	0.0000	55	717,832.50
Apr 2019	DAUS	Future	1,280	13.0995	13.1872	0.0000	0.0000	55	720,445.00
May 2019	DAUS	Future	55	13.1487	13.1475	0.0000	0.0000	55	723,112.50
Jun 2019	DAUS	Future	27,000	13.1535	12.1410	0.0000	0.0000	54,000	709,479,000.00
Jul 2019	DAUS	Future	55	13.1951	13.1915	0.0000	0.0000	55	725,532.50
Aug 2019	DAUS	Future	55	13.2408	13.2470	0.0000	0.0000	55	728,585.00
Sep 2019	DAUS	Future	55	13.2880	13.2950	0.0000	0.0000	55	731,225.00
Oct 2019	DAUS	Future	55	13.3322	13.3375	0.0000	0.0000	55	733,562.50
Oct 2019	DAUS	Future	55	13.3750	13.3925	0.0000	0.0000	55	736,587.50
Dec 2019	DAUS	Future	55	13.4221	13.4420	0.0000	0.0000	55	739,310.00
Jan 2020	DAUS	Future	55	13.4679	13.4950	0.0000	0.0000	55	742,225.00
Jan 2020	DAUS	Future	55	13.5106	13.5450	0.0000	0.0000	55	744,975.00
Mar 2020	DAUS	Future	55	13.5563	13.5930	0.0000	0.0000	55	747,615.00
Apr 2020	DAUS	Future	55	13.6020	13.6475	0.0000	0.0000	55	750,612.50
Apr 2020	DAUS	Future	55	13.6418	13.6950	0.0000	0.0000	55	753,225.00
Jun 2020	DAUS	Future	1,055	13.6920	13.7485	0.0000	0.0000	1,055	14,504,667.50
Jul 2020	DAUS	Future	84,000	13.8044	13.8959	0.0000	0.0000	0	0.00
			<u>153,794</u>					<u>56,430.00</u>	<u>742,017,854.00</u>
									<u>10 195 011.00</u>
									<u>123 917 101 743.90</u>

**Option**

Jun 2018	DAUS	12.80 Call	1,746	22.4843	53.0590	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.22 Put	500	47.9282	39.3911	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.44 Put	109	115.7620	96.8699	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.45 Put	635	119.8017	100.3480	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.47 Put	158	128.1394	107.5440	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.52 Call	109	239.5792	296.6355	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.55 Call	500	224.0055	279.2385	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.56 Call	635	218.9845	273.6006	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.62 Call	158	190.9547	241.4648	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.85 Call	500	111.5129	146.8461	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1199.2357	1125.2384	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	0.3535	0.4534	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	0.3270	0.4543	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	8.4398	8.6177	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	147.8292	124.8221	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	64.8740	87.7648	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.60 Put	95,000	200.1946	0.0000	0.0000	0.0000	95,000	0.00
Jul 2018	DAUS	12.07 Put	2,000	33.6550	27.1388	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Jul 2018	DAUS	13.60 Call	1,000	26.7204	37.8681	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	19.8989	28.7525	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1810.5879	1734.4296	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	1.8170	2.0604	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1189.4266	1122.0178	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	2.5491	2.9363	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	2.3117	2.5829	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	150.0243	131.9323	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1243.7329	1176.6098	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	2.9657	3.0298	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	1188.9584	1126.0609	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	5.5017	7.3065	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	2.4967	3.3873	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	1191.7332	1130.9016	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	7.9726	10.2170	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	3.1862	4.1278	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	1195.8419	1136.7368	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	23.0097	26.3961	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	13.1636	15.9092	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	117.3472	107.0880	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	1245.7829	1185.7447	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	19.2837	22.7635	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	18.4849	17.9319	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	78.5235	71.7216	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	374.5581	411.4106	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	1199.4663	1141.5691	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	36.1552	38.6452	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	19.9172	22.8898	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	1082.8708	1028.4071	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	72.3199	80.0450	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	1203.0475	1147.1600	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	45.8654	52.9163	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	26.0023	30.4666	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	2,500	686.8301	650.9450	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	606.3466	649.4828	0.0000	0.0000	0	0.00
			<u>336,330</u>					<u>95,000.00</u>	<u>0.00</u>
			<b>Total</b>	<b>490,124</b>				<b>151,430.00</b>	<b>742,017,854.00</b>
									<b>29 014 414.00</b>
									<b>123 917 101 743.90</b>
<b>Future</b>									
Jun 2018	EUUS	Future	280	1.1706	1.1672	0.0000	0.0000	0	0.00
			<u>280</u>					<u>0.00</u>	<u>0.00</u>
									<b>709 146.00</b>
									<b>8 033 145 032.00</b>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
<b>Total</b>			<b>280</b>					<b>0.00</b>	<b>0.00</b>	709 146.00	8 033 145 032.00
<b>Future</b>											
Sep 2018	JYZA	Future	283	8.5399	8.4810	0.0000	0.0000	0	0.00		
			<b>283</b>					<b>0.00</b>	<b>0.00</b>	18 783.00	186 145 988.86
<b>Option</b>											
Jun 2018	JYZA	8.79 Call	50,000	639.4707	512.6365	0.0000	0.0000	0	0.00		
Jun 2018	JYZA	8.89 Put	1,200	2286.2491	2804.6377	0.0000	0.0000	0	0.00		
Sep 2018	JYZA	8.17 Put	50,000	1559.4978	1783.6982	0.0000	0.0000	0	0.00		
			<b>101,200</b>					<b>0.00</b>	<b>0.00</b>	175 800.00	0.00
<b>Total</b>			<b>101,483</b>					<b>0.00</b>	<b>0.00</b>	194 583.00	186 145 988.86
<b>Future</b>											
Jun 2018	ZAAD	Future	15,640	9.6301	9.5794	9.6478	9.6388	750	7,233,175.00		
Sep 2018	ZAAD	Future	1,050	9.7509	9.6999	9.7598	9.7598	250	2,439,950.00		
Dec 2018	ZAAD	Future	11,412	9.8687	9.8178	0.0000	0.0000	0	0.00		
			<b>28,102</b>					<b>1,000.00</b>	<b>9,673,125.00</b>	3 630 598.00	31 454 262 991.20
<b>Total</b>			<b>28,102</b>					<b>1,000.00</b>	<b>9,673,125.00</b>	3 662 975.00	31 454 262 991.20
<b>Future</b>											
Jun 2018	ZACA	Future	1,980	9.7410	9.7855	9.7525	9.7525	100	975,250.00		
			<b>1,980</b>					<b>100.00</b>	<b>975,250.00</b>	132 443.00	1 301 138 670.10
<b>Total</b>			<b>1,980</b>					<b>100.00</b>	<b>975,250.00</b>	132 443.00	1 301 138 670.10
<b>Future</b>											
Jun 2018	ZAEU	Future	112,535	14.7385	14.7902	14.7980	14.7538	2,285	33,871,448.20		
Sep 2018	ZAEU	Future	60,971	15.0201	15.0748	15.0613	15.0613	250	3,765,325.00		
Dec 2018	ZAEU	Future	8,375	15.2994	15.3562	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	Future	4,808	15.6089	15.6677	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	15.8940	15.9535	0.0000	0.0000	0	0.00		
			<b>191,945</b>					<b>2,535.00</b>	<b>37,636,773.20</b>	14 611 620.00	208 106 396 326.70
<b>Option</b>											
Jun 2018	ZAEU	13.50 Put	29,734	0.4384	1.0536	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.75 Put	50,948	1.6282	2.5646	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.97 Put	6,460	4.9597	5.7771	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.25 Put	29,734	21.9516	22.3836	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.30 Call	10,000	466.4097	518.5582	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.40 Call	10,000	382.3807	434.3596	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.00 Call	3,000	65.8267	97.9822	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.25 Put	50,948	537.3951	506.0471	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.63 Call	29,734	6.4202	14.0759	0.0000	0.0000	0	0.00		

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Jun 2018	ZAEU	16.00 Call	3,000	2.4479	5.0358	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.44 Put	6,460	1702.3022	1651.4630	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	6,460	0.1935	0.1513	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	50,948	0.0180	0.0061	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	13.50 Put	29,734	15.1293	15.3717	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	86,688	123.0897	115.4925	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	1024.6849	988.9972	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	76.0486	86.5667	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	7.8915	8.4144	0.0000	0.0000	0	0.00	
			607,230					0.00	0.00	7 919 774.00
		<b>Total</b>	<b>799,175</b>					<b>2,535.00</b>	<b>37,636,773.20</b>	22 531 394.00 208 106 396 326.70
<b>Future</b>										
Jun 2018	ZAFR	Future	1,215	12.7542	12.8366	0.0000	0.0000	0	0.00	
			1,215					0.00	0.00	609 303.00 6 506 705 521.30
		<b>Total</b>	<b>1,215</b>					<b>0.00</b>	<b>0.00</b>	609 303.00 6 506 705 521.30
<b>Future</b>										
Jun 2018	ZAGB	Future	217,878	16.7976	16.9045	16.9150	16.8514	220,418	3,735,110,657.80	
Sep 2018	ZAGB	Future	18,594	17.0717	17.1827	17.1762	17.1294	1,000	17,152,800.00	
Dec 2018	ZAGB	Future	7,574	17.3366	17.4504	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	Future	4,932	17.6252	17.7426	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,465	17.8945	18.0134	0.0000	0.0000	0	0.00	
			254,443					221,418.00	3,752,263,457.80	11 038 447.00 184 935 379 807.00
<b>Option</b>										
Jun 2018	ZAGB	17.50 Put	500	727.2854	635.9739	0.0000	0.0000	0	0.00	
Jun 2018	ZAGB	20.40 Call	500	0.1128	0.2307	0.0000	0.0000	0	0.00	
			1,000					0.00	0.00	1 774 113.00 0.00
		<b>Total</b>	<b>255,443</b>					<b>221,418.00</b>	<b>3,752,263,457.80</b>	12 812 560.00 184 935 379 807.00
<b>Future</b>										
Jun 2018	ZAJY	Future	8,296	0.1150	0.1158	0.0000	0.0000	0	0.00	
			8,296					0.00	0.00	985 278.00 10 983 324 643.00
		<b>Total</b>	<b>8,296</b>					<b>0.00</b>	<b>0.00</b>	985 278.00 10 983 324 643.00
<b>Future</b>										
Jun 2018	ZAKS	Future	1,145	0.1239	0.1246	0.0000	0.0000	0	0.00	
Sep 2018	ZAKS	Future	562	0.1233	0.1237	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>									
Jun 2018	ZATR	Future	3,940	2.7269	2.7376	0.0000	0.0000	0	0.00
Sep 2018	ZATR	Future	2,500	2.6622	2.6716	0.0000	0.0000	0	0.00
			<u>6,440</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>6,440</b>					<b>0.00</b>	<b>0.00</b>
									261 429.00 930 020 035.50
									261 429.00 930 020 035.50
<b>Future</b>									
Jun 2018	ZAUM	Future	429	12.5909	12.6712	0.0000	0.0000	0	0.00
Sep 2018	ZAUM	Future	47	12.7405	12.8225	0.0000	0.0000	0	0.00
Dec 2018	ZAUM	Future	10	12.8823	12.9660	0.0000	0.0000	0	0.00
			<u>486</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>486</b>					<b>0.00</b>	<b>0.00</b>
									150 820.00 173 776 966 800.00
									155 343.00 173 776 966 800.00
<b>Future</b>									
Jun 2018	ZAUS	Future	984,740	12.5909	12.6712	12.6688	12.5500	218,129	2,762,547,214.90
Sep 2018	ZAUS	Future	90,275	12.7405	12.8225	12.7820	12.6962	194	2,472,189.00
Dec 2018	ZAUS	Future	25,631	12.8823	12.9660	12.9333	12.9333	250	3,233,325.00
Mar 2019	ZAUS	Future	4,948	13.0312	13.1177	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	Future	3,087	13.1700	13.2585	0.0000	0.0000	0	0.00
			<u>1,108,681</u>					<u>218,573.00</u>	<u>2,768,252,728.90</u>
									174 051 137.00 2 053 396 743 198.40
									174 051 137.00 2 053 396 743 198.40
<b>Option</b>									
Jun 2018	ZAUS	11.00 Put	60,750	0.0844	0.1692	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.20 Put	2,550	0.1430	0.3309	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.35 Call	10,000	1241.1198	1321.7579	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.45 Call	10,000	1141.2747	1221.9878	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	40,216	0.4895	0.9334	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.60 Put	12,000	0.8356	1.3205	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.75 Put	60,000	1.8611	2.2690	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.77 Put	76,000	2.0700	2.4436	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.80 Put	5,500	2.4278	2.7334	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.90 Put	9,500	4.1194	4.0027	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Call	3,000	598.4533	677.1359	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	38,700	7.5533	5.9359	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.06 Put	150	11.1706	8.9055	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.12 Put	372	16.1532	13.0301	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.14 Put	155,500	18.1776	14.7131	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Call	500	460.1659	536.8190	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Put	1,000	19.2659	15.6190	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.20 Call	40,000	416.4359	492.0548	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.23 Call	3,000	390.9276	465.8178	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Call	40,000	374.2572	448.6122	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	12,415	33.3572	27.4122	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>
Jun 2018	ZAUS	12.30 Call	4,000	333.8607	406.6936	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	42.9607	35.4936	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	15,103	68.4042	57.0143	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.45 Call	150	225.5423	292.0174	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Call	3,250	194.3398	258.0546	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	115,230	103.4398	86.8546	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.55 Call	80,000	165.8083	226.4472	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.55 Put	80,000	124.9083	105.2472	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Call	4,000	84.8786	128.6871	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	243.9786	207.4871	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	408.5104	357.1572	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Call	15,500	33.8220	60.3077	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	21,228	442.9220	389.1077	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	486.9709	430.2826	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	596.4614	533.8151	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	624.4997	560.5688	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	719.6144	651.7293	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	8.7893	19.3444	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	875.0612	802.0727	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	894.6603	821.1907	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	914.2880	840.3665	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1052.3256	975.9399	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1161.3493	1083.6908	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1211.0169	1132.9205	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1220.9571	1142.7820	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1240.8437	1162.5190	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1250.7898	1172.3942	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1310.4691	1231.7304	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	0.9611	2.1773	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1410.0611	1330.9773	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1509.7790	1430.4306	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1659.5086	1579.8732	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	0.1658	0.5172	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	0.0960	0.3351	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	0.0717	0.2664	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	0.0330	0.1406	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	0.0356	0.1324	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	0.0430	0.1173	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	0.0514	0.1161	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.0672	0.1149	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.0769	0.1146	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	0.0813	0.1145	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>
Jun 2018	ZAUS	15.79 Call	40,000	0.1266	0.1154	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	0.2152	0.1203	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	0.2829	0.1250	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.2823	0.1258	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.2289	0.1127	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.2115	0.1031	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.1497	0.0699	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.0718	0.0306	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.0576	0.0238	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.0319	0.0123	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.0196	0.0071	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	24.9150	21.3166	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	25.7905	22.0521	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	35.2625	30.4692	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	54.2915	47.5186	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	70.6840	62.3391	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	80.1164	70.9091	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	101.6454	90.5629	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	665.2541	729.5104	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	174.7541	157.0104	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	192.8784	173.6812	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	224.1812	202.5794	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.40 Put	250	232.4519	210.2355	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	516.9415	573.5962	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	34,000	276.4415	251.0962	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	314.7745	286.8711	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	329.8578	300.9893	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	350.5616	320.3990	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	387.5127	435.0915	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	375.5039	421.5466	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	465.7670	428.1644	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	304.0448	343.6580	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	245.9704	279.6806	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	233.2919	265.6202	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	742.7919	693.1202	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	221.2811	252.2737	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	178.9094	205.2344	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	152.4753	175.6727	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	9.8604	12.2848	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	8.8561	11.0353	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	7.5870	9.4536	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	6.0003	7.4715	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	ZAUS	11.64 Put	2,764	88.0163	81.3000	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	11.75 Put	232,078	109.1438	100.3908	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.38 Put	39,589	301.8570	279.1277	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.50 Call	232,078	737.3958	795.2331	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.50 Put	10,100	355.0958	329.2331	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.63 Put	39,589	418.1409	388.8132	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.00 Call	6,000	509.3994	553.5851	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.20 Call	7,100	439.5614	478.7955	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.25 Call	10,000	423.6750	461.7235	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.50 Call	232,078	352.7722	385.2233	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.80 Call	2,764	284.1202	310.9728	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.95 Call	39,589	255.4510	279.9085	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	14.00 Call	1,500	246.6345	270.3365	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.00 Call	1,000	119.3424	132.1179	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.95 Call	2,000	64.7848	71.7076	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	10.33 Put	1,000	9.5818	9.2545	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	11.74 Put	1,000	152.3547	141.4087	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.06 Put	4,145	239.7497	223.5427	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.76 Put	250	535.9818	504.6364	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.45 Call	4,145	541.2032	582.2373	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.48 Call	1,000	306.2744	332.0260	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.20 Call	1,000	204.9518	223.5836	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	20.2066	15.5205	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	357.8060	338.1706	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	413.5052	445.1697	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	111.0325	120.9633	0.0000	0.0000	0	0.00		
			<u>3,001,108</u>					<u>0.00</u>	<u>0.00</u>	<u>49 084 352.00</u>	<u>0.00</u>
	<b>Total</b>		<b>4,109,789</b>					<b>218,573.00</b>	<b>2,768,252,728.90</b>	<b>223 135 489.00</b>	<b>2 053 396 743 198.40</b>
	<b>Grand Total</b>		<b>5,804,554</b>					<b>595,056.00</b>	<b>7 310 819 188.90</b>	<b>305,042,282</b>	<b>2,861,526,821,132.38</b>