



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 03-July-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
Jul 2018	DAEU	Future	34	16.0179	16.1486	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	33	16.0642	16.1969	0.0000	0.0000	0	0.00
			<u>67</u>					<u>0.00</u>	<u>0.00</u>
									<u>791 057.00</u>
									<u>11 807 017 135.60</u>
<b>Option</b>									
Jul 2018	DAEU	15.63 Put	10,000	54.4992	37.0237	0.0000	0.0000	0	0.00
			<u>10,000</u>					<u>0.00</u>	<u>0.00</u>
									<u>956 787.00</u>
									<u>0.00</u>
		<b>Total</b>	<b>10,067</b>					<b>0.00</b>	<b>0.00</b>
									<b>1 747 844.00</b>
									<b>11 807 017 135.60</b>
<b>Future</b>									
Jul 2018	DAUS	Future	0	13.7368	13.8783	0.0000	0.0000	55	754,737.50
Jul 2018	DAUS	Future	150	13.7173	13.8767	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	142	13.7295	13.8872	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	34	13.7363	13.8942	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	13.7431	13.9012	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	13.7499	13.9083	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	13.7516	13.9100	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	920	13.7549	13.9136	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,867	13.7617	13.9206	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	55	13.7651	13.9241	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.7840	13.9439	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	5,470	13.7875	13.9476	0.0000	0.0000	500	6,890,050.00
Aug 2018	DAUS	Future	600	13.7961	13.9567	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,547	13.8151	13.9767	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	197	13.8202	13.9822	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	4,280	13.8620	14.0283	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	13.8687	14.0357	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.9104	14.0778	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.9179	14.0851	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,608	13.9217	14.0888	0.0000	0.0000	735	9,884,231.00
Nov 2018	DAUS	Future	55	13.9236	14.0906	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>		
Nov 2018	DAUS	Future	70	13.9462	14.1125	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	700	13.9518	14.1180	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	3,363	13.9781	14.1436	0.0000	0.0000	246	3,486,484.20		
Dec 2018	DAUS	Future	2,078	14.0365	14.2002	0.0000	0.0000	248	3,528,097.60		
Jan 2019	DAUS	Future	55	14.0402	14.2039	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.0893	14.2548	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	14.0910	14.2566	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.1135	14.2803	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	14.1393	14.3076	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	14.1859	14.3567	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.1963	14.3676	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.2466	14.4194	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.3030	14.4769	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	54,000	14.3084	14.4825	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.3594	14.5345	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.4033	14.5760	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.4449	14.6163	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.4840	14.6542	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.5217	14.6908	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.5633	14.7312	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.6036	14.7703	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.6414	14.8069	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.6817	14.8460	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.7220	14.8851	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.7571	14.9192	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.8014	14.9621	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.9050	15.0654	0.0000	0.0000	0	0.00		
			<u>181,520</u>					<u>1,784.00</u>	<u>24,543,600.30</u>	<u>10 298 761.00</u>	<u>125 323 288 377.60</u>
<b>Option</b>											
Jul 2018	DAUS	12.07 Put	2,000	0.0001	0.0000	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.25 Put	20,000	4.7646	4.4466	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.60 Call	1,000	164.7281	307.3012	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.60 Put	20,000	47.4281	30.6012	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.73 Call	1,000	86.4765	204.6545	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.75 Put	20,000	111.2425	63.6210	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.45 Put	1,500	746.6381	619.1263	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	1.3811	2.6505	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.50 Put	40,000	112.1717	75.1544	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.00 Put	500	24.8302	20.0973	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.50 Call	500	395.5526	515.5897	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	274.1106	205.9467	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	3.9371	7.2098	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>
Jul 2018	DAUS	16.32 Call	500	1.3603	2.4256	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	3.8864	3.3808	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	331.7561	257.5895	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	3.2133	5.7559	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	66.7388	48.3042	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	442.1850	546.3259	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	353.2932	285.6532	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	20.5547	30.7298	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	10.2907	16.1349	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	162.3308	125.4477	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	104.1562	81.6139	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	479.1180	577.4281	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	407.8000	338.6136	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	43.6876	57.0168	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	24.0484	34.9474	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	140.5192	113.4542	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	453.8331	384.8276	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	517.7336	608.8505	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	68.6041	85.4107	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	46.3162	58.0550	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	22.5723	19.3804	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	491.6466	419.7854	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	57.5552	71.6305	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	4.5278	4.0600	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	17.5494	14.8928	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	951.6187	1080.5932	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	169.5556	139.8128	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	486.6327	419.2000	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	544.3119	628.8168	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	88.0854	107.0350	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	62.9012	76.0168	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	421.2463	361.2618	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	194.3856	230.6582	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	247.1628	209.5114	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	281.0865	239.7455	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	410.3967	473.2806	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	387.0489	446.8177	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	194.5594	163.3874	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	512.6530	447.0166	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	572.1147	652.1174	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	106.9574	126.6876	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	79.9598	94.4150	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Jan 2019	DAUS	13.00 Put	500	218.8389	185.6557	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.38 Call	500	592.5685	669.0511	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	239.0795	203.9929	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	610.6554	685.0666	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.00 Put	500	258.8922	222.3295	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.67 Call	500	627.3845	699.7732	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	277.8845	240.3476	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	1210.0706	1329.4006	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	643.3502	713.3664	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	295.6588	254.9490	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	658.0001	725.9161	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	310.2481	265.1574	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	669.0272	734.5868	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	473.3915	420.8134	0.0000	0.0000	74	0.00		
Jul 2019	DAUS	16.44 Call	39,250	412.6269	454.7968	0.0000	0.0000	32,176	0.00		
Jul 2019	DAUS	13.00 Put	500	331.4200	285.6818	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	687.8288	749.8762	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	350.3304	302.3120	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	697.1100	756.2919	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	365.5379	317.2011	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	711.5842	768.7513	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	384.0581	333.1841	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	719.8123	774.7724	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	397.8642	347.8151	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	731.0054	784.4033	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	412.4679	364.4410	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	741.5727	793.4317	0.0000	0.0000	0	0.00		
			<u>429,527</u>					<u>32,250.00</u>	<u>0.00</u>	<u>19 223 832.00</u>	<u>0.00</u>
<b>Total</b>			<b>611,047</b>					<b>34,034.00</b>	<b>24,543,600.30</b>	<b>29 522 593.00</b>	<b>125 323 288 377.60</b>
<b>Future</b>	Sep 2018	EUUS	Future 250	1.1713	1.1677	1.1734	1.1734	10	117,340.00		
			<u>250</u>					<u>10.00</u>	<u>117,340.00</u>	<u>729 064.00</u>	<u>8 265 872 462.00</u>
<b>Total</b>			<b>250</b>					<b>10.00</b>	<b>117,340.00</b>	<b>729 064.00</b>	<b>8 265 872 462.00</b>
<b>Future</b>	Sep 2018	ZAAD	Future 12,355	10.2152	10.2802	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future 11,412	10.3405	10.4059	0.0000	0.0000	0	0.00			
Jun 2019	ZAAD	Future 4,929	10.6050	10.6786	0.0000	0.0000	0	0.00			
			<u>28,696</u>					<u>0.00</u>	<u>0.00</u>	<u>3 683 493.00</u>	<u>31 988 368 421.30</u>
<b>Total</b>			<b>28,696</b>					<b>0.00</b>	<b>0.00</b>	<b>3 715 870.00</b>	<b>31 988 368 421.30</b>

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<b>Future</b>										
Dec 2018	ZACA	Future	500	10.6668	10.7672	0.0000	0.0000	0	0.00	
			<u>500</u>					<u>0.00</u>	<u>0.00</u>	<u>136 153.00</u>
		<b>Total</b>	<b>500</b>					<b>0.00</b>	<b>0.00</b>	<b>136 153.00</b>
<b>Future</b>										
Sep 2018	ZAEU	Future	136,965	16.2149	16.3576	16.3136	16.2198	3,494	56,784,828.00	
Dec 2018	ZAEU	Future	19,492	16.5194	16.6625	16.5736	16.5518	486	8,048,620.80	
Mar 2019	ZAEU	Future	4,808	16.8481	17.0009	0.0000	0.0000	0	0.00	
Jun 2019	ZAEU	Future	5,256	17.1658	17.3250	0.0000	0.0000	0	0.00	
			<u>166,521</u>					<u>3,980.00</u>	<u>64,833,448.80</u>	<u>15 027 593.00</u>
		<b>Total</b>						<b>3,980.00</b>	<b>64,833,448.80</b>	<b>15 027 593.00</b>
<b>Option</b>										
Sep 2018	ZAEU	13.50 Put	29,734	4.8490	4.9481	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	86,688	9.9422	9.7674	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	273.5611	230.0872	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	267.5187	320.2192	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	13.1343	18.8855	0.0000	0.0000	0	0.00	
			<u>319,804</u>					<u>0.00</u>	<u>0.00</u>	<u>7 964 516.00</u>
		<b>Total</b>	<b>486,325</b>					<b>3,980.00</b>	<b>64,833,448.80</b>	<b>22 992 109.00</b>
<b>Future</b>										
Sep 2018	ZAFR	Future	1,215	14.0295	14.1706	0.0000	0.0000	0	0.00	
			<u>1,215</u>					<u>0.00</u>	<u>0.00</u>	<u>612 948.00</u>
		<b>Total</b>	<b>1,215</b>					<b>0.00</b>	<b>0.00</b>	<b>612 948.00</b>
<b>Future</b>										
Sep 2018	ZAGB	Future	226,726	18.2930	18.4597	18.3176	18.3176	780	14,283,984.00	
Dec 2018	ZAGB	Future	7,437	18.5808	18.7485	18.6677	18.6677	50	931,905.00	
Mar 2019	ZAGB	Future	4,932	18.8859	19.0634	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	6,543	19.1785	19.3641	0.0000	0.0000	0	0.00	
			<u>245,638</u>					<u>830.00</u>	<u>15,215,889.00</u>	<u>11 901 392.00</u>
		<b>Total</b>	<b>245,638</b>					<b>830.00</b>	<b>15,215,889.00</b>	<b>13 675 505.00</b>
<b>Future</b>										
Sep 2018	ZAJY	Future	115	0.1258	0.1271	0.0000	0.0000	0	0.00	
			<u>115</u>					<u>0.00</u>	<u>0.00</u>	<u>993 919.00</u>
		<b>Total</b>	<b>115</b>					<b>0.00</b>	<b>0.00</b>	<b>993 919.00</b>
<b>Future</b>										
Sep 2018	ZAKS	Future	562	0.1357	0.1368	0.0000	0.0000	0	0.00	
Jun 2019	ZAKS	Future	1,093	0.1328	0.1353	0.0000	0.0000	0	0.00	

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			1,655					0.00	0.00	35 358.00	476 333 960.00
		<b>Total</b>	<b>1,655</b>					<b>0.00</b>	<b>0.00</b>	<b>35 358.00</b>	<b>476 333 960.00</b>
<b>Future</b>											
	Sep 2018 ZATR	Future	12,775	2.8690	2.9374	0.0000	0.0000	0	0.00		
			12,775					0.00	0.00	292 754.00	1 018 368 407.50
		<b>Total</b>	<b>12,775</b>					<b>0.00</b>	<b>0.00</b>	<b>292 754.00</b>	<b>1 018 368 407.50</b>
<b>Future</b>											
	Sep 2018 ZAUM	Future	350	13.8437	14.0080	0.0000	0.0000	0	0.00		
	Dec 2018 ZAUM	Future	15	14.0045	14.1692	0.0000	0.0000	0	0.00		
			365					0.00	0.00	151 906.00	175 225 211 090.00
		<b>Total</b>	<b>365</b>					<b>0.00</b>	<b>0.00</b>	<b>156 429.00</b>	<b>175 225 211 090.00</b>
<b>Future</b>											
	Sep 2018 ZAUS	Future	542,006	13.8437	14.0080	13.9400	13.8200	36,725	511,143,664.30		
	Dec 2018 ZAUS	Future	73,575	14.0045	14.1692	14.0863	13.9900	1,103	15,492,796.10		
	Mar 2019 ZAUS	Future	5,932	14.1704	14.3403	0.0000	0.0000	0	0.00		
	Jun 2019 ZAUS	Future	14,910	14.3285	14.5029	0.0000	0.0000	0	0.00		
	Dec 2019 ZAUS	Future	0	14.5776	14.7451	0.0000	0.0000	25	352,157.50		
			636,423					37,853.00	526,988,617.90	178 212 809.00	2 109 369 275 296.70
<b>Option</b>											
	Sep 2018 ZAUS	11.48 Put	5,200	4.5966	4.3742	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.50 Put	45,000	4.7326	4.5007	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.60 Put	2,000	5.4786	5.1928	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.75 Put	93,314	6.8404	6.4470	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.85 Put	48,200	7.9454	7.4573	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.90 Put	3,000	8.5681	8.0236	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.00 Put	13,300	9.9755	9.2975	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.25 Call	500	1608.4011	1771.5166	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.25 Put	40,000	14.7011	13.5166	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.30 Put	100	15.9085	14.5824	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.38 Put	60,000	18.0683	16.4782	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.50 Call	4,600	1367.3485	1527.8320	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.50 Put	34,000	23.6485	19.8320	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.58 Put	8,000	30.0748	22.4685	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.61 Put	13,231	32.8144	23.8954	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.65 Put	1,550	36.7676	26.9145	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.77 Call	5,200	1124.5882	1275.8234	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.80 Call	50	1098.6927	1249.0265	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.85 Put	3,750	62.3874	46.8296	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	13.00 Call	30,000	932.7670	1076.0532	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	10,000	89.0670	68.0532	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	780.9222	914.5824	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	137.2222	106.5824	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	143.1072	111.1498	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	745.9403	876.2603	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	152.2403	118.2603	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	586.6957	701.4297	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	530.4003	638.7771	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	286.7003	230.7771	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	503.8279	608.9829	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	505.3571	420.6529	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	120.9423	154.5735	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	42.1669	56.7759	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	39.1147	52.8340	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	35.1583	47.7026	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	30.0101	40.9887	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	20.5330	17.7556	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	24.8967	21.4848	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	32.1410	27.6711	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	37.9281	32.6114	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	39.1875	33.6860	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	44.5917	38.2998	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	52.2356	44.8254	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	56.4579	48.4312	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	68.8124	58.9897	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1586.6645	1739.6135	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	82.1645	70.4135	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	100.0736	84.8377	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	109.1820	91.0057	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	122.9170	100.2655	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1186.4104	1320.5134	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	190,030	181.9104	151.3134	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	210.1161	176.0418	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1045.5843	1172.5784	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	247.6147	209.1676	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1012.1196	1137.2498	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	7,800	257.6196	218.0498	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	334.5955	283.6154	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	860.5240	972.0296	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	356.0240	302.8296	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	449.2201	387.1084	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	13.71 Put	30	454.1884	0.0000	0.0000	0.0000	30	0.00
Dec 2018	ZAUS	13.78 Call	100	714.2730	813.3067	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	489.7730	424.1067	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	494.9745	428.8643	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	704.7006	802.8469	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	636.4358	727.9969	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	16,000	615.0380	704.4386	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	563.5454	646.3457	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	492.4579	566.8170	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	476.1326	0.0000	0.0000	0.0000	30	0.00
Dec 2018	ZAUS	14.44 Call	11,300	457.2670	527.2964	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	410.6177	474.6685	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	407.8697	471.5611	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	405.1445	468.4745	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	384.0018	444.5180	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	371.4587	430.1874	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	349.9791	405.5936	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	31,600	315.0499	366.0568	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	312.9979	363.7293	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	297.0978	345.7006	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	285.7666	332.8281	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	230.5839	270.9779	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	1,000	227.4672	267.6718	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	198.6631	235.2048	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	15,000	162.5791	193.4758	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	5.6421	5.5302	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	33.7673	24.1034	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	62.8888	47.9778	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	123.5993	100.4267	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	1128.2303	1247.7440	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	412.1398	361.1345	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	547.8347	481.0165	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	604.5945	533.7086	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	729.0086	812.4869	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	664.3518	741.7822	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	520.3236	582.5410	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	409.6653	459.0221	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	392.4872	439.8244	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	9.9795	9.9834	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	102.3669	81.7112	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	222.4356	184.5577	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	296.9345	254.9153	0.0000	0.0000	0	0.00



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Jun 2019	ZAUS	13.24 Put	30,000	383.7117	337.8569	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.83 Put	25,000	637.7342	567.7976	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.88 Put	12,450	663.6329	592.0009	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.58 Call	1,000	823.7938	905.0619	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.82 Call	30,000	743.4723	817.6733	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.55 Call	25,000	550.1373	605.0167	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.62 Call	12,450	535.0068	588.3431	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.80 Call	1,000	498.3587	547.9286	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.92 Call	911	474.1171	522.8475	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	10.75 Put	1,000	20.2733	19.7107	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	12.50 Put	1,000	195.2767	160.8167	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	15.87 Call	1,000	644.9677	697.8281	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	266.4370	294.2624	0.0000	0.0000	0	0.00	
			<u>2,586,161</u>					<u>60.00</u>	<u>0.00</u>	<u>50 695 410.00</u>
	<b>Total</b>		<b><u>3,222,584</u></b>					<b><u>37,913.00</u></b>	<b><u>526,988,617.90</u></b>	<b><u>228 908 219.00</u></b>
										<u>2 109 369 275 296.70</u>

<b>Grand Total</b>	<b><u>4,621,232</u></b>							<b><u>76,767.00</u></b>	<b><u>631 698 896.00</u></b>	<b><u>312,353,355</u></b>	<b><u>2,943,376,614,902.62</u></b>
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