



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 27-June-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
Jul 2018	DAEU	Future	34	15.9510	15.8492	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	33	16.0065	15.8992	0.0000	0.0000	0	0.00
Sep 2018	DAEU	Future	0	16.1926	16.0915	0.0000	0.0000	50	804,575.00
			<u>67</u>					<u>50.00</u>	<u>804,575.00</u>
									<u>791 057.00</u>
									<u>11 807 017 135.60</u>
<b>Option</b>									
Jul 2018	DAEU	15.63 Put	10,000	93.7433	135.9906	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>50.00</b>	<b>804,575.00</b>
									<b>1 747 844.00</b>
									<b>11 807 017 135.60</b>
<b>Future</b>									
Jun 2018	DAUS	Future	4,240	13.7131	13.5397	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	13.7164	13.5441	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	55	13.7174	13.5455	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	150	13.7204	13.5499	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	34	13.7371	13.7115	0.0000	0.0000	34	466,191.00
Jul 2018	DAUS	Future	1,800	13.7449	13.5748	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	13.7528	13.5820	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	13.7547	13.5837	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	845	13.7587	13.5873	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,427	13.7665	13.5944	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	55	13.7701	13.5979	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.7899	13.6173	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	5,470	13.7935	13.6209	0.0000	0.0000	500	6,845,750.00
Aug 2018	DAUS	Future	600	13.8025	13.6297	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	2,602	13.8223	13.6492	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	197	13.8278	13.6546	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	3,280	13.8734	13.6995	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	13.8805	13.7065	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.9215	13.7467	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.9286	13.7537	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>		
Oct 2018	DAUS	Future	3,363	13.9322	13.7572	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	13.9340	13.7590	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	13.9553	13.7799	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	700	13.9607	13.7852	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	3,117	13.9856	13.8097	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	1,830	14.0408	13.8639	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.0443	13.8674	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.0938	13.9162	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	14.0956	13.9180	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.1186	13.9406	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	14.1451	13.9668	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	14.1928	14.0139	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.2034	14.0245	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.2530	14.0740	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.3078	14.1289	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	54,000	14.3131	14.1342	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.3613	14.1824	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.4021	14.2238	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.4442	14.2665	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.4837	14.3065	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.5218	14.3452	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.5639	14.3879	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.6047	14.4292	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.6428	14.4679	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.6836	14.5093	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.7244	14.5507	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.7599	14.5867	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.8047	14.6321	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.9173	14.7438	0.0000	0.0000	0	0.00		
			<u>183,574</u>					<u>534.00</u>	<u>7,311,941.00</u>	<u>10 287 338.00</u>	<u>125 165 203 983.80</u>
<b>Option</b>											
Jun 2018	DAUS	12.22 Put	500	0.0041	0.0347	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.44 Put	109	0.0463	0.1263	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.45 Put	635	0.0475	0.1341	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.47 Put	158	0.0499	0.1512	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.52 Call	109	1193.1566	1019.9042	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.55 Call	500	1163.1611	989.9449	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.56 Call	635	1153.1628	979.9602	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.62 Call	158	1093.1739	920.0750	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.85 Call	500	863.2512	691.2538	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	13.80 Put	1,000	131.7214	286.3641	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	15.62 Call	500	0.0082	0.0174	0.0000	0.0000	0	0.00		

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Jun 2018	DAUS	16.10 Call	500	0.0089	0.0149	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	0.0276	0.0344	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	0.1445	0.4163	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	601.5226	440.0161	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.60 Put	100,000	0.3740	0.9274	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	0.1116	0.0523	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.25 Put	20,000	21.9265	50.8421	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	214.0471	133.8022	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Put	20,000	93.6471	183.9022	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	139.5416	88.6213	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	760.4994	917.7848	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	2.4471	2.0314	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.50 Put	40,000	133.6296	215.1053	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.00 Put	500	33.8147	62.8960	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.50 Call	500	417.7330	327.7668	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	292.0431	409.4428	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	5.8980	4.7476	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	1.9383	1.6547	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	6.1955	8.9306	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	346.8106	467.8720	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	4.6312	3.6379	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	75.2356	118.0128	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	461.0731	384.9227	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	364.5344	476.6102	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	26.9332	23.7288	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	14.6649	12.5850	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	170.9464	239.7921	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	109.1547	155.6583	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	494.0686	425.3592	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	411.2104	518.0918	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	48.9182	44.0078	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	29.0340	25.2688	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	144.6132	194.0992	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	457.2148	558.8620	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	530.8444	466.2433	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	73.9390	66.9234	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	51.0626	47.8969	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	24.8551	31.8858	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	494.8859	600.0662	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	62.6795	58.5738	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	5.4716	6.2903	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	19.6940	24.2856	0.0000	0.0000	0	0.00

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Nov 2018	DAUS	13.22 Call	51,000	965.4496	854.8728	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	173.5118	224.6873	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	490.9772	589.6961	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	555.3582	493.5995	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	93.8008	86.7461	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	68.7486	65.2428	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	426.2770	516.2638	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	202.3064	181.6027	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	252.1931	315.1628	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	286.5440	356.8737	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	418.9901	376.4695	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	395.5497	355.8152	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	198.6695	251.0418	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	518.1525	615.1299	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	581.3704	521.3401	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	113.2264	106.5628	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	86.4183	82.3296	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	222.5643	276.7331	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	600.6121	543.2536	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	242.4020	297.7573	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	618.0248	562.7093	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	261.2975	318.2088	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	633.3313	580.6468	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	280.4669	338.0176	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1218.2452	1120.2882	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	647.8633	597.7925	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	298.4333	357.0505	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	660.8000	613.1408	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	313.6829	372.5879	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	671.1576	624.9883	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	336.5311	395.9035	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	688.5574	644.2953	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	356.1876	415.7786	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	697.4164	655.1581	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	371.5778	434.9243	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	711.5146	670.9722	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	390.1932	453.1550	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	719.6255	680.7065	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	403.4870	469.0931	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	730.7925	692.8715	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	417.5969	485.0535	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	741.4436	704.9373	0.0000	0.0000	0	0.00

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			442,331					0.00	0.00	19 073 082.00	0.00	
		<b>Total</b>	<b>625,905</b>					<b>534.00</b>	<b>7,311,941.00</b>	29 360 420.00	125 165 203 983.80	
<b>Future</b>												
	Sep 2018	EUUS	Future	2,723	1.1669	1.1738	1.1714	1.1714	30	351,420.00		
				2,723					30.00	351,420.00	726 186.00	8 232 130 822.00
		<b>Total</b>	<b>2,723</b>					<b>30.00</b>	<b>351,420.00</b>	726 186.00	8 232 130 822.00	
<b>Future</b>												
	Sep 2018	ZAAD	Future	12,322	10.2311	10.1148	10.2318	10.1938	400	4,083,220.00		
	Dec 2018	ZAAD	Future	11,412	10.3535	10.2357	0.0000	0.0000	0	0.00		
	Jun 2019	ZAAD	Future	4,929	10.6164	10.4976	0.0000	0.0000	0	0.00		
				28,663					400.00	4,083,220.00	3 683 450.00	31 987 926 953.40
		<b>Total</b>	<b>28,663</b>					<b>400.00</b>	<b>4,083,220.00</b>	3 715 827.00	31 987 926 953.40	
<b>Future</b>												
	Dec 2018	ZACA	Future	500	10.5765	10.4301	0.0000	0.0000	0	0.00		
				500					0.00	0.00	136 153.00	1 339 439 627.10
		<b>Total</b>	<b>500</b>					<b>0.00</b>	<b>0.00</b>	136 153.00	1 339 439 627.10	
<b>Future</b>												
	Sep 2018	ZAEU	Future	134,785	16.1657	16.0567	16.1970	16.1567	1,552	25,109,723.40		
	Dec 2018	ZAEU	Future	19,006	16.4651	16.3532	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	Future	4,808	16.7987	16.6843	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	Future	5,256	17.1150	17.0013	0.0000	0.0000	0	0.00		
				163,855					1,552.00	25,109,723.40	15 020 403.00	214 484 967 888.40
<b>Option</b>												
	Sep 2018	ZAEU	13.50 Put	29,734	6.4964	7.8148	0.0000	0.0000	0	0.00		
	Sep 2018	ZAEU	14.25 Put	86,688	13.2665	17.4467	0.0000	0.0000	0	0.00		
	Sep 2018	ZAEU	15.85 Put	86,824	307.9572	367.2781	0.0000	0.0000	0	0.00		
	Sep 2018	ZAEU	16.76 Call	29,734	266.2931	249.9660	0.0000	0.0000	0	0.00		
	Sep 2018	ZAEU	19.56 Call	86,824	17.0303	17.4317	0.0000	0.0000	0	0.00		
				319,804					0.00	0.00	7 964 516.00	0.00
		<b>Total</b>	<b>483,659</b>					<b>1,552.00</b>	<b>25,109,723.40</b>	22 984 919.00	214 484 967 888.40	
<b>Future</b>												
	Sep 2018	ZAFR	Future	1,215	14.0179	13.9115	0.0000	0.0000	0	0.00		
				1,215					0.00	0.00	612 948.00	6 555 963 200.80
		<b>Total</b>	<b>1,215</b>					<b>0.00</b>	<b>0.00</b>	612 948.00	6 555 963 200.80	

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Sep 2018	ZAGB	Future	226,336	18.2765	18.1772	18.3255	18.1503	2,520	46,152,663.00	
Dec 2018	ZAGB	Future	7,437	18.5601	18.4579	18.6213	18.6043	515	9,589,714.50	
Mar 2019	ZAGB	Future	4,932	18.8714	18.7673	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	6,543	19.1636	19.0589	0.0000	0.0000	0	0.00	
			<u>245,248</u>					<u>3,035.00</u>	<u>55,742,377.50</u>	<u>11 897 038.00</u>
	<b>Total</b>		<b>245,248</b>					<b>3,035.00</b>	<b>55,742,377.50</b>	<b>13 671 151.00</b>
										<b>200 270 370 530.10</b>
<b>Future</b>										
Sep 2018	ZAJY	Future	115	0.1261	0.1252	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>11 089 418 491.40</b>
<b>Future</b>										
Sep 2018	ZAKS	Future	562	0.1354	0.1338	0.0000	0.0000	0	0.00	
Jun 2019	ZAKS	Future	1,093	0.1323	0.1307	0.0000	0.0000	0	0.00	
			<u>1,655</u>					<u>0.00</u>	<u>0.00</u>	<u>35 358.00</u>
	<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	2.9147	2.8583	0.0000	0.0000	0	0.00	
			<u>12,775</u>					<u>0.00</u>	<u>0.00</u>	<u>289 254.00</u>
	<b>Total</b>		<b>12,775</b>					<b>0.00</b>	<b>0.00</b>	<b>289 254.00</b>
										<b>1 008 061 782.50</b>
<b>Future</b>										
Sep 2018	ZAUM	Future	346	13.8534	13.6797	0.0000	0.0000	0	0.00	
Dec 2018	ZAUM	Future	10	14.0105	13.8342	0.0000	0.0000	0	0.00	
			<u>356</u>					<u>0.00</u>	<u>0.00</u>	<u>151 864.00</u>
	<b>Total</b>		<b>356</b>					<b>0.00</b>	<b>0.00</b>	<b>156 387.00</b>
										<b>175 166 490 800.00</b>
<b>Future</b>										
Sep 2018	ZAUS	Future	551,349	13.8534	13.6797	13.8800	13.6731	43,454	599,785,549.40	
Dec 2018	ZAUS	Future	73,586	14.0105	13.8342	13.9625	13.9625	1,360	19,101,100.00	
Mar 2019	ZAUS	Future	5,690	14.1769	13.9982	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	Future	14,910	14.3326	14.1536	0.0000	0.0000	300	4,291,710.00	
			<u>645,535</u>					<u>45,114.00</u>	<u>623,178,359.40</u>	<u>177 964 136.00</u>
	<b>Total</b>									<b>2 105 901 559 138.60</b>
<b>Option</b>										
Sep 2018	ZAUS	11.48 Put	5,200	5.7412	7.6694	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.50 Put	45,000	5.8958	7.9087	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.60 Put	2,000	6.7375	9.2267	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.75 Put	93,314	8.2522	11.6417	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.85 Put	48,200	9.4646	13.6065	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	11.90 Put	3,000	10.1423	14.7143	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	11.6611	17.2185	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	1620.0653	1455.3009	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	16.6653	25.6009	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	17.9263	27.7322	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	20.1671	32.6971	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	1379.4964	1224.9864	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	34,000	26.0964	45.2864	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	33.0200	55.5616	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	35.9589	59.8406	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	40.1888	65.9258	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	1138.6064	996.6667	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	1112.9498	972.6160	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	67.3514	103.4816	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	948.7032	819.9912	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	798.2873	685.6962	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	144.8873	205.9962	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	150.8182	213.4570	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	763.4104	654.6535	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	160.0104	224.9535	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	604.1280	514.7266	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	547.5640	465.7593	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	294.1640	386.0593	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	520.8078	442.7305	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	510.9296	632.6291	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	131.1652	115.1145	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	48.6038	43.2474	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	45.3104	40.3994	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	41.0205	36.6832	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	35.4006	31.7985	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	22.9521	28.1640	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	27.4753	34.0667	0.0000	0.0000	733	0.00
Dec 2018	ZAUS	11.90 Put	11,300	34.9019	43.7958	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	40.7806	51.5131	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	42.0538	53.1867	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	47.5029	60.3434	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	55.1673	70.4035	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	59.3834	75.9318	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	71.6646	92.0031	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1595.3630	1445.1992	0.0000	0.0000	733	0.00
Dec 2018	ZAUS	12.50 Put	26,500	84.8630	110.9992	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	102.6887	137.8180	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	12.68 Put	10,000	111.9866	149.2423	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	5,500	125.9930	166.3138	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1196.5094	1072.1697	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	190,030	186.0094	237.9697	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	214.6338	271.4809	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1056.5138	943.1819	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	252.6267	317.0735	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1023.2562	913.6363	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	3,300	262.7562	329.4363	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	339.9289	418.7499	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	871.8342	777.1222	0.0000	0.0000	733	0.00
Dec 2018	ZAUS	13.50 Put	26,300	361.3342	442.9222	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	454.3186	546.7391	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	725.2431	645.5572	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	494.7431	591.3572	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	499.9231	597.0569	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	715.6311	636.9793	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	647.0487	576.6522	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	16,000	625.5303	557.9180	0.0000	0.0000	5,000	0.00
Dec 2018	ZAUS	14.13 Call	20,000	573.7548	511.9915	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	502.1591	448.6922	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	466.6628	417.3865	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	419.5390	375.9985	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	416.7613	373.5788	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	414.0064	371.1725	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	392.6198	352.5238	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	380.0834	341.3933	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	358.6021	322.3229	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	31,600	323.6422	291.2950	0.0000	0.0000	10,000	0.00
Dec 2018	ZAUS	15.01 Call	10,000	321.5882	289.4701	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	305.6604	275.3334	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	294.3019	265.2491	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	238.8282	214.2225	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	1,000	235.6787	211.4298	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	206.5136	185.5632	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	15,000	169.8682	153.0501	0.0000	0.0000	5,000	0.00
Mar 2019	ZAUS	10.33 Put	1,000	6.4140	6.8867	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	34.7347	46.4762	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	64.3289	84.6435	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	1137.7117	1038.8618	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	414.8392	495.4129	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	549.1294	643.4125	0.0000	0.0000	0	0.00



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Mar 2019	ZAUS	14.48 Call	1,000	670.8516	613.5001	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	14.96 Call	17,981	525.5061	482.7425	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	15.45 Call	20,000	413.8729	381.1344	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	10.69 Put	1,000	10.9595	11.3524	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.28 Put	1,000	105.6397	143.5403	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.75 Put	1,000	225.8123	284.3576	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.98 Put	911	300.0225	357.7169	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.24 Put	30,000	386.3316	453.5189	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.83 Put	25,000	638.9753	734.1551	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.88 Put	12,450	664.7913	761.7445	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.58 Call	1,000	827.4571	766.5357	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.82 Call	30,000	746.4103	692.0056	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.55 Call	25,000	551.5172	513.9937	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.62 Call	12,450	536.2710	499.2350	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.80 Call	1,000	499.3397	463.4497	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.92 Call	911	475.2207	441.2399	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	10.75 Put	1,000	21.3944	26.3300	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	12.50 Put	1,000	196.9814	251.7582	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	15.87 Call	1,000	644.6568	606.9773	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	267.0496	243.4641	0.0000	0.0000	0	0.00	
			<u>2,570,438</u>					<u>22,199.00</u>	<u>0.00</u>	<u>50 666 187.00</u>
		<b>Total</b>	<b>3,215,973</b>					<b>67,313.00</b>	<b>623,178,359.40</b>	<b>228 630 323.00</b>
										<u>2 105 901 559 138.60</u>
		<b>Grand Total</b>	<b>4,628,854</b>					<b>72,914.00</b>	<b>716 581 616.30</b>	<b>312,425,279</b>
										<b>2,939,449,701,241.32</b>