



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 11-May-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
May 2018	DAEU	Future	41	14.6578	14.7406	0.0000	0.0000	0	0.00		
			<u>41</u>					<u>0.00</u>	<u>0.00</u>	790 899.00	11 804 604 189.10
		<b>Total</b>	<b>41</b>					<b>0.00</b>	<b>0.00</b>	1 737 686.00	11 804 604 189.10
<b>Future</b>											
May 2018	DAGB	Future	11	16.6098	16.6857	0.0000	0.0000	0	0.00		
			<u>11</u>					<u>0.00</u>	<u>0.00</u>	53 744.00	881 765 055.30
		<b>Total</b>	<b>11</b>					<b>0.00</b>	<b>0.00</b>	261 057.00	881 765 055.30
<b>Future</b>											
May 2018	DAUS	Future	0	12.2290	12.3901	0.0000	0.0000	70	860,125.00		
May 2018	DAUS	Future	20,600	12.2642	12.3969	0.0000	0.0000	30,000	367,911,000.00		
May 2018	DAUS	Future	34,600	12.2659	12.3985	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	20,000	12.2709	12.4035	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	40,000	12.2774	12.4102	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	270	12.2807	12.4135	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	1,746	12.2939	12.4269	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	9,546	12.3134	12.4465	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	2,085	12.3277	12.4608	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	100	12.3325	12.4655	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,800	12.3610	12.4941	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	500	12.3672	12.5005	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	70	12.3687	12.5021	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,345	12.3718	12.5052	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	2,015	12.3780	12.5116	0.0000	0.0000	500	6,203,000.00		
Aug 2018	DAUS	Future	70	12.3981	12.5322	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	2,879	12.4258	12.5602	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	1,295	12.4689	12.6036	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	12.5104	12.6455	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	12.5166	12.6517	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	1,643	12.5196	12.6548	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	12.5396	12.6750	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	1,212	12.5652	12.7011	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	12.6579	12.7961	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	12.6774	12.8160	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	1,225	12.6996	12.8386	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	12.7397	12.8791	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,225	12.7901	12.9302	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	13.5200	13.6577	0.0000	0.0000	0	0.00		
			<u>234,300</u>					<u>30,570.00</u>	<u>374,974,125.00</u>	<u>9 885 468.00</u>	<u>120 010 064 235.40</u>

**Option**

May 2018	DAUS	12.75 Put	11,000	494.3832	366.0217	0.0000	0.0000	0	0.00
May 2018	DAUS	14.50 Put	11,000	2244.2040	2109.9169	0.0000	0.0000	0	0.00
May 2018	DAUS	15.76 Call	11,000	0.0000	0.1088	0.0000	0.0000	0	0.00
May 2018	DAUS	10.90 Put	1,000	0.0000	0.0000	0.0000	0.0000	0	0.00
May 2018	DAUS	11.70 Put	1,000	0.2056	0.3671	0.0000	0.0000	0	0.00
May 2018	DAUS	12.20 Call	1,000	92.0122	208.3752	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Put	51,000	20.6196	9.7150	0.0000	0.0000	0	0.00
May 2018	DAUS	11.95 Call	30,000	334.6008	456.6825	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Call	30,000	296.0152	413.4350	0.0000	0.0000	0	0.00
May 2018	DAUS	12.37 Call	30,000	86.8551	152.1953	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	80,000	32.4288	65.8173	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	40,000	39.6132	75.7409	0.0000	0.0000	0	0.00
May 2018	DAUS	12.80 Call	20,000	16.7878	36.1601	0.0000	0.0000	0	0.00
May 2018	DAUS	12.45 Call	40,000	77.1600	131.9444	0.0000	0.0000	0	0.00
May 2018	DAUS	12.46 Call	30,000	74.3903	127.8884	0.0000	0.0000	0	0.00
May 2018	DAUS	12.24 Put	118	129.9383	81.6140	0.0000	0.0000	0	0.00
May 2018	DAUS	12.55 Call	118	61.5755	106.1422	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Put	270	370.9233	277.5714	0.0000	0.0000	0	0.00
May 2018	DAUS	12.69 Call	270	37.3205	68.6380	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Call	118	29.9338	56.5973	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1520.0692	1388.1732	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.0904	0.1135	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	0.1094	0.1240	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	43.9755	74.0211	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1483.4519	1358.6211	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	1.0842	1.3437	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	1.0555	1.4051	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	52.2708	35.5666	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	346.6073	275.7569	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	53.4145	80.0100	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	133.5877	97.6451	0.0000	0.0000	0	0.00

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Jul 2018	DAUS	13.60 Call	1,000	24.3301	37.9529	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.73 Call	1,000	18.2320	29.9011	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.45 Put	1,500	2091.0849	1962.8458	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	2.3825	3.0703	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	1459.7462	1343.3751	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	2.5630	3.4855	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	1.3893	2.1194	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	287.5074	235.1134	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	1512.6241	1396.1024	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	1.7703	2.5585	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	1447.4557	1336.2806	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	3.4779	4.8439	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	1.3971	1.9807	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	1438.6803	1331.2808	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	3.8450	5.9752	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	1.4844	2.3584	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	1430.6385	1326.6218	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	14.1509	18.5354	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	7.1861	9.6506	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.90 Put	1,880	191.9206	158.5260	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.86 Put	1,880	1481.1337	1376.6652	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.81 Call	1,880	10.3109	14.0815	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	10.83 Put	51,000	28.6464	23.8190	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.67 Put	51,000	133.7544	108.8160	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.22 Call	51,000	277.5087	326.0350	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	1426.1547	1324.3530	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	20.8858	27.0924	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	10.8799	14.4896	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.65 Put	20,000	1298.7042	1201.5308	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	15.69 Call	20,000	51.0160	61.7851	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	1421.2859	1321.2166	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	26.6510	34.1866	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	14.2600	18.7692	0.0000	0.0000	0	0.00		
			<u>622,920</u>					<i>0.00</i>	<i>0.00</i>	<i>18 678 599.00</i>	<i>0.00</i>
		<b>Total</b>	<b>857,220</b>					<b>30,570.00</b>	<b>374,974,125.00</b>	<b>28 564 067.00</b>	<b>120 010 064 235.40</b>
<b>Future</b>											
Jun 2018	EUUS	Future	2,508	1.1970	1.1909	1.1980	1.1980	10	119,800.00		
			<u>2,508</u>					<i>10.00</i>	<i>119,800.00</i>	<i>706 556.00</i>	<i>8 002 495 602.00</i>
		<b>Total</b>	<b>2,508</b>					<b>10.00</b>	<b>119,800.00</b>	<b>706 556.00</b>	<b>8 002 495 602.00</b>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
	Sep 2018	JYZA	Future	283	8.7082	8.6321	0.0000	0.0000	0	0.00		
				283					0.00	0.00	18 783.00	186 145 988.86
<b>Option</b>												
	Jun 2018	JYZA	8.89 Put	1,200	1780.9474	2193.7309	0.0000	0.0000	0	0.00		
	Sep 2018	JYZA	8.17 Put	50,000	1500.8592	1671.2860	0.0000	0.0000	0	0.00		
				51,200					0.00	0.00	75 800.00	0.00
			<b>Total</b>	<b>51,483</b>					<b>0.00</b>	<b>0.00</b>	<b>94 583.00</b>	<b>186 145 988.86</b>
<b>Future</b>												
	Jun 2018	ZAAD	Future	12,585	9.2906	9.3311	9.3628	9.2962	402	3,753,734.20		
	Sep 2018	ZAAD	Future	800	9.4049	9.4460	9.4793	9.4471	450	4,257,545.00		
	Dec 2018	ZAAD	Future	11,412	9.5161	9.5581	0.0000	0.0000	0	0.00		
				24,797					852.00	8,011,279.20	3 619 249.00	31 346 074 253.90
			<b>Total</b>	<b>24,797</b>					<b>852.00</b>	<b>8,011,279.20</b>	<b>3 651 626.00</b>	<b>31 346 074 253.90</b>
<b>Future</b>												
	Jun 2018	ZACA	Future	1,850	9.6345	9.7174	9.6501	9.6246	400	3,854,450.00		
				1,850					400.00	3,854,450.00	131 593.00	1 292 774 717.10
			<b>Total</b>	<b>1,850</b>					<b>400.00</b>	<b>3,854,450.00</b>	<b>131 593.00</b>	<b>1 292 774 717.10</b>
<b>Future</b>												
	Jun 2018	ZAEU	Future	114,297	14.7357	14.8190	14.8086	14.6750	12,061	177,967,342.40		
	Sep 2018	ZAEU	Future	60,975	15.0098	15.0959	15.0358	15.0358	2,020	30,420,516.00		
	Dec 2018	ZAEU	Future	7,625	15.2813	15.3694	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	Future	4,686	15.5843	15.6760	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	Future	5,256	15.8503	15.9427	0.0000	0.0000	0	0.00		
				192,839					14,081.00	208,387,858.40	14 531 910.00	206 925 514 101.60
<b>Option</b>												
	Jun 2018	ZAEU	13.50 Put	29,734	6.2845	4.7745	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	13.75 Put	50,948	9.4865	7.9706	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	13.97 Put	6,460	14.4139	13.0533	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	14.25 Put	29,734	50.0626	40.5469	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	14.30 Call	10,000	496.7579	568.7430	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	14.40 Call	10,000	423.6061	491.4680	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	15.00 Call	3,000	133.8988	169.9973	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	15.25 Put	50,948	591.8057	533.6241	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	15.63 Call	29,734	32.2542	45.4369	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	16.00 Call	3,000	13.2423	19.0452	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	16.44 Put	6,460	1709.2998	1628.0560	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	18.61 Call	6,460	0.6276	0.5941	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	20.55 Call	50,948	0.0365	0.0283	0.0000	0.0000	0	0.00		

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Sep 2018	ZAEU	13.50 Put	29,734	19.1971	20.1608	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	86,688	136.6657	120.2947	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	1037.5799	983.0530	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	77.7459	94.5837	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	9.0445	11.8576	0.0000	0.0000	0	0.00	
			607,230					0.00	0.00	7 919 774.00
		<b>Total</b>	<b>800,069</b>					<b>14,081.00</b>	<b>208,387,858.40</b>	22 451 684.00 206 925 514 101.60
<b>Future</b>										
Jun 2018	ZAFR	Future	1,215	12.3461	12.4266	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	428,534	16.7068	16.7865	16.7700	16.6827	3,346	56,016,037.50	
Sep 2018	ZAGB	Future	18,594	16.9727	17.0547	17.0355	17.0322	500	8,516,925.00	
Dec 2018	ZAGB	Future	7,517	17.2293	17.3136	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	Future	4,932	17.5096	17.5978	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,465	17.7749	17.8633	0.0000	0.0000	0	0.00	
			465,042					3,846.00	64,532,962.50	10 786 302.00 180 663 240 005.70
<b>Option</b>										
Jun 2018	ZAGB	17.50 Put	500	863.2558	804.4732	0.0000	0.0000	0	0.00	
Jun 2018	ZAGB	20.40 Call	500	0.9894	1.2476	0.0000	0.0000	0	0.00	
			1,000					0.00	0.00	1 774 113.00 0.00
		<b>Total</b>	<b>466,042</b>					<b>3,846.00</b>	<b>64,532,962.50</b>	12 560 415.00 180 663 240 005.70
<b>Future</b>										
Jun 2018	ZAJY	Future	8,421	0.1128	0.1138	0.0000	0.0000	0	0.00	
			8,421					0.00	0.00	978 785.00 10 908 529 828.10
		<b>Total</b>	<b>8,421</b>					<b>0.00</b>	<b>0.00</b>	978 785.00 10 908 529 828.10
<b>Future</b>										
Jun 2018	ZAKS	Future	1,145	0.1218	0.1230	0.0000	0.0000	0	0.00	
Sep 2018	ZAKS	Future	562	0.1212	0.1224	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
<b>Future</b>										
Jun 2018	ZATR	Future	3,940	2.8266	2.8910	0.0000	0.0000	0	0.00	
			3,940					0.00	0.00	258 929.00 923 231 285.50
		<b>Total</b>	<b>3,940</b>					<b>0.00</b>	<b>0.00</b>	258 929.00 923 231 285.50

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<b>Future</b>									
Jun 2018	ZAUM	Future	427	12.3102	12.4433	0.0000	0.0000	0	0.00
Sep 2018	ZAUM	Future	47	12.4520	12.5866	0.0000	0.0000	0	0.00
Dec 2018	ZAUM	Future	10	12.5861	12.7225	0.0000	0.0000	0	0.00
			<u>484</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>484</b>					<b>0.00</b>	<b>0.00</b>
									149 735.00
									172 413 033 820.00
									154 258.00
									172 413 033 820.00
<b>Future</b>									
Jun 2018	ZAUS	Future	1,130,725	12.3102	12.4433	12.4201	12.2485	104,888	1,295,309,534.30
Sep 2018	ZAUS	Future	87,708	12.4520	12.5866	12.5514	12.4000	4,781	59,756,794.80
Dec 2018	ZAUS	Future	24,527	12.5861	12.7225	12.6421	12.5600	560	7,069,675.00
Mar 2019	ZAUS	Future	4,948	12.7263	12.8656	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	Future	3,087	12.8593	12.9990	0.0000	0.0000	0	0.00
			<u>1,250,995</u>					<u>110,229.00</u>	<u>1,362,136,004.10</u>
									172 899 862.00
									2 038 877 937 401.70
<b>Option</b>									
Jun 2018	ZAUS	11.00 Put	60,750	2.4444	1.3526	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.20 Put	2,550	4.5574	2.8364	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.35 Call	10,000	967.3304	1098.0407	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.45 Call	10,000	869.8633	999.9718	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	40,216	11.2669	7.9118	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.60 Put	12,000	15.3631	11.1133	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.75 Put	60,000	27.0602	18.4236	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.77 Put	76,000	29.8131	19.6983	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.80 Put	5,500	34.3366	21.7712	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.90 Put	9,500	53.1819	32.8014	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Call	3,000	388.7727	494.5143	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	38,700	78.5727	51.2143	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.06 Put	150	97.2840	65.2873	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.12 Put	372	118.7558	81.8414	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.14 Put	155,500	126.5408	87.9338	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Call	500	290.7521	384.3910	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Put	1,000	130.5521	91.0910	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.23 Call	3,000	245.7107	332.3440	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Call	40,000	235.2465	320.0932	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	12,415	175.0465	126.7932	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Call	4,000	210.4690	290.8081	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	200.2690	147.5081	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	15,103	259.1057	194.6928	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.45 Call	150	151.4343	214.4147	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Call	6,550	135.2328	193.7291	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	115,480	325.0328	250.4291	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	12.75 Put	66	515.2069	421.2116	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	695.0083	589.2668	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Call	15,500	40.8287	66.4862	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	21,228	730.6287	623.1862	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	775.7236	666.2909	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	886.1680	771.7126	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	914.1980	798.6447	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	1008.6227	889.8174	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	16.5296	29.4159	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	1162.2220	1039.3542	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	1181.5940	1058.3030	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	1200.9981	1077.3006	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1337.5590	1211.4814	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1445.6106	1318.0159	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1494.8976	1366.6813	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1504.7662	1376.4339	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1524.5136	1395.9573	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1534.3922	1405.7278	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1593.7285	1464.4654	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	3.0335	6.0428	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1692.8335	1562.7428	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1792.1480	1661.4053	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1941.4071	1809.9391	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	0.8070	1.6286	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	0.5260	1.0558	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	0.4848	0.8328	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	0.5214	0.6088	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	0.5257	0.6109	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	0.5377	0.6173	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	0.5504	0.6246	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.5726	0.6386	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.5854	0.6470	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	0.5911	0.6509	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	0.6445	0.6891	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	0.4745	0.7578	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	0.2787	0.5068	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.2589	0.4726	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.2126	0.3921	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.1974	0.3654	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.1426	0.2686	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.0717	0.1399	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.0583	0.1149	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	17.21 Call	500	0.0336	0.0681	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.0214	0.0443	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	59.2670	44.5210	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	62.4545	47.0677	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	80.3216	61.4840	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	83,314	113.6490	88.9063	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	140.5956	111.4753	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	156.0862	124.1406	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	190.2711	153.1269	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	496.7050	582.5350	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	318.8347	267.7172	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	359.6345	304.7835	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	378.8514	451.9885	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	24,000	426.8514	365.3885	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	494.8203	426.2363	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	520.6489	450.2001	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	283.4621	342.2394	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	274.4066	331.8950	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	657.9416	578.7263	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	20,000	220.9299	270.3712	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	177.8686	220.3419	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	168.5161	209.3994	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	966.5161	872.7994	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	159.6733	198.7927	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	128.9178	161.6141	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	110.0417	138.5712	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	5.3169	8.0761	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	4.7234	7.2022	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	3.9822	6.1042	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	3.0736	4.7449	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	142.4271	116.6522	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	421.9112	367.0107	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	150	571.2647	648.3507	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	100	485.1647	425.8507	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	559.1723	494.7790	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	386.1368	444.2626	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	330.4763	382.3555	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	2,764	210.4975	246.4522	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	187.4202	221.6155	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	1,000	83.3399	100.7481	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.95 Call	2,000	45.6016	55.1169	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	15.3030	10.4863	0.0000	0.0000	0	0.00



<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>	
Mar 2019	ZAUS	11.74 Put	1,000	215.7394	183.0935	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.06 Put	4,145	322.8346	280.5517	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.76 Put	250	672.8654	606.2679	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	13.45 Call	4,145	416.4096	469.5488	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	14.48 Call	1,000	224.1244	258.2487	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	15.20 Call	1,000	145.3709	169.4535	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	10.69 Put	1,000	38.9126	27.8655	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.28 Put	1,000	453.2866	403.8670	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.58 Call	1,000	314.5455	354.4964	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	67.6705	81.1518	0.0000	0.0000	0	0.00	
			<u>2,004,824</u>					<u>0.00</u>	<u>0.00</u>	<u>47 984 704.00</u>
		<b>Total</b>	<b>3,255,819</b>					<b>110,229.00</b>	<b>1,362,136,004.10</b>	<b>220 884 566.00</b>
										<b>2 038 877 937 401.70</b>

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<b>Grand Total</b>	<b>5,475,607</b>							<b>159,988.00</b>	<b>2 022 016 479.20</b>	<b>302,091,517</b>	<b>2,836,053,943,697.38</b>
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