



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 11-July-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jul 2018	DAEU	Future	34	15.7487	15.6825	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	33	15.7961	15.7303	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>
Option									
Jul 2018	DAEU	15.63 Put	10,000	62.3675	97.8966	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>
		Total	10,067					0.00	0.00
									1 747 844.00
									11 807 017 135.60
Future									
Jul 2018	DAUS	Future	142	13.4301	13.3722	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	34	13.4337	13.3775	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	13.4407	13.3845	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	13.4477	13.3915	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	20,570	13.4494	13.3932	0.0000	0.0000	1	13,393.20
Jul 2018	DAUS	Future	920	13.4529	13.3967	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	3,367	13.4599	13.4036	0.0000	0.0000	2,000	26,934,000.00
Aug 2018	DAUS	Future	55	13.4634	13.4071	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.4826	13.4262	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	6,070	13.4861	13.4297	0.0000	0.0000	1,400	18,913,120.00
Aug 2018	DAUS	Future	600	13.4949	13.4385	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,404	13.5141	13.4577	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	197	13.5194	13.4629	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	4,137	13.5632	13.5064	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	13.5702	13.5133	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.6105	13.5531	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.6175	13.5600	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,608	13.6210	13.5635	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	13.6227	13.5652	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	13.6437	13.5859	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	700	13.6490	13.5911	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	3,363	13.6735	13.6154	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,078	13.7277	13.6690	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.7312	13.6725	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.7800	13.7204	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.7817	13.7221	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.8043	13.7442	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	13.8303	13.7698	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.8772	13.8157	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.8876	13.8259	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	13.9364	13.8740	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	13.9907	13.9275	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	54,000	13.9959	13.9327	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.0449	13.9811	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.1015	14.0373	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.1621	14.0968	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.2189	14.1525	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.2738	14.2065	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.3343	14.2659	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.3930	14.3236	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.4479	14.3775	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.5066	14.4351	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.5652	14.4928	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6163	14.5430	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.6807	14.6062	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.7922	14.7159	0.0000	0.0000	0	0.00		
			<u>203,684</u>					<u>3,401.00</u>	<u>45,860,513.20</u>	<u>10 404 748.00</u>	<u>126 750 470 828.30</u>
Option											
Jul 2018	DAUS	14.45 Put	1,500	1006.7485	1063.4655	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	0.0676	0.1055	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.25 Put	20,000	84.2361	0.0000	0.0000	0.0000	20,000	0.00		
Jul 2018	DAUS	13.00 Put	500	31.8023	46.0182	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.50 Call	500	170.5930	156.5839	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	420.0685	471.5880	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	0.4944	0.5874	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	0.2830	0.3687	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	5.8745	7.0378	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	485.8153	536.1301	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	0.5199	0.6465	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.43 Put	106	223.0610	0.0000	0.0000	0.0000	106	0.00		
Aug 2018	DAUS	13.55 Call	106	224.8813	0.0000	0.0000	0.0000	106	0.00		
Aug 2018	DAUS	13.00 Put	500	98.3314	116.4564	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.65 Call	500	249.9486	235.5677	0.0000	0.0000	0	0.00		

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Aug 2018	DAUS	13.80 Put	1,000	486.5285	532.0890	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	3.8505	3.9251	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	2.4900	2.7829	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	225.7202	254.1807	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	143.3751	161.5346	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	299.6121	284.9739	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	529.6864	572.2672	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	17.7423	17.1980	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	8.1805	7.9508	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	185.2852	205.4643	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	570.1285	610.4693	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	346.9351	332.1088	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	34.7272	33.6994	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	20.2718	19.9524	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	25.2411	26.4244	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	613.4971	654.8334	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	28.2149	28.1739	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	5.6717	5.5009	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	20.7170	21.9978	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	713.9241	682.1278	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	216.1931	237.7610	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	599.3211	638.7499	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	377.7706	363.4220	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	51.7978	50.2783	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	36.4835	35.1454	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	519.5874	555.3252	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	120.4372	115.9359	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	310.7128	337.3559	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	353.6621	382.3734	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	280.6670	271.1070	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	263.3402	254.3665	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	241.4417	264.2571	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	621.8916	660.9390	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	407.1365	392.8974	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	67.4977	65.5594	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	49.7106	48.2512	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	267.2914	289.6438	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	431.7640	418.2059	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	288.6681	311.1721	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	453.7174	441.1242	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	308.4303	331.6979	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	472.8342	461.9736	0.0000	0.0000	0	0.00

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Apr 2019	DAUS	13.00 Put	3,000	328.5301	351.7685	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	981.0710	953.1137	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	492.0599	481.8088	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	347.1966	371.1874	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	509.3451	499.5880	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	362.5802	386.3815	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	522.2519	513.1254	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	547.1936	580.4132	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	310.6054	306.2017	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	380.7170	404.7375	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	546.0114	537.3745	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	397.0705	420.9801	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	564.8591	555.6446	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	411.4958	435.1106	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	587.1181	577.3492	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	425.1458	449.0969	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	603.7468	593.4103	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	436.8848	460.8662	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	622.5501	611.9080	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	448.1445	473.2518	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	640.8835	630.3671	0.0000	0.0000	0	0.00		
			<u>345,739</u>					<u>20,212.00</u>	<u>0.00</u>	<u>19 284 044.00</u>	<u>0.00</u>
Total			549,423					23,613.00	45,860,513.20	29 688 792.00	126 750 470 828.30
Future	Sep 2018	EUUS	Future	145	1.1777	1.1778	0.0000	0.0000	0	0.00	
			<u>145</u>					<u>0.00</u>	<u>0.00</u>	<u>729 399.00</u>	<u>8 269 813 087.00</u>
Total			145					0.00	0.00	729 399.00	8 269 813 087.00
Future	Sep 2018	ZAAD	Future	12,322	10.0331	10.0640	10.0358	10.0358	150	1,505,370.00	
Dec 2018	ZAAD	Future	11,412	10.1509	10.1812	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	10.4075	10.4350	0.0000	0.0000	0	0.00		
			<u>28,663</u>					<u>150.00</u>	<u>1,505,370.00</u>	<u>3 684 331.00</u>	<u>31 996 837 513.90</u>
Total			28,663					150.00	1,505,370.00	3 716 708.00	31 996 837 513.90
Future	Dec 2018	ZACA	Future	500	10.4673	10.4190	0.0000	0.0000	0	0.00	
			<u>500</u>					<u>0.00</u>	<u>0.00</u>	<u>136 153.00</u>	<u>1 339 439 627.10</u>
Total			500					0.00	0.00	136 153.00	1 339 439 627.10

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Future											
Sep 2018	ZAEU	Future	138,368	15.9504	15.8848	16.0091	15.9316	600	9,597,710.00		
Dec 2018	ZAEU	Future	23,982	16.2437	16.1772	16.3284	16.2703	2,000	32,603,000.00		
Mar 2019	ZAEU	Future	4,808	16.5733	16.5025	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	16.8869	16.8136	0.0000	0.0000	0	0.00		
			<u>172,414</u>					<u>2,600.00</u>	<u>42,200,710.00</u>	<u>15 049 379.00</u>	<u>214 957 505 618.80</u>
Option											
Sep 2018	ZAEU	13.50 Put	29,734	4.6064	4.5013	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	86,688	11.7293	11.3787	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	334.3803	372.5463	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	152.8377	145.9651	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	5.6894	5.9641	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>	<u>0.00</u>
		Total	492,218					2,600.00	42,200,710.00	23 013 895.00	214 957 505 618.80
Future											
Sep 2018	ZAFR	Future	1,575	13.7149	13.6488	0.0000	0.0000	0	0.00		
Dec 2018	ZAFR	Future	165	13.9798	13.9126	14.0603	14.0587	35	492,102.50		
			<u>1,740</u>					<u>35.00</u>	<u>492,102.50</u>	<u>614 018.00</u>	<u>6 570 789 049.80</u>
		Total	1,740					35.00	492,102.50	614 018.00	6 570 789 049.80
Future											
Sep 2018	ZAGB	Future	226,821	17.9957	17.9499	18.0150	17.9820	110	1,978,350.00		
Dec 2018	ZAGB	Future	7,437	18.2721	18.2247	18.3200	18.3200	10	183,200.00		
Mar 2019	ZAGB	Future	4,932	18.5773	18.5262	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,543	18.8639	18.8096	0.0000	0.0000	0	0.00		
			<u>245,733</u>					<u>120.00</u>	<u>2,161,550.00</u>	<u>11 917 201.00</u>	<u>200 640 161 524.20</u>
		Total	245,733					120.00	2,161,550.00	13 691 314.00	200 640 161 524.20
Future											
Sep 2018	ZAJY	Future	115	0.1222	0.1218	0.0000	0.0000	0	0.00		
			<u>115</u>					<u>0.00</u>	<u>0.00</u>	<u>993 919.00</u>	<u>11 089 418 491.40</u>
		Total	115					0.00	0.00	993 919.00	11 089 418 491.40
Future											
Sep 2018	ZAKS	Future	562	0.1329	0.1319	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,093	0.1302	0.1300	0.0000	0.0000	0	0.00		
			<u>1,655</u>					<u>0.00</u>	<u>0.00</u>	<u>35 358.00</u>	<u>476 333 960.00</u>
		Total	1,655					0.00	0.00	35 358.00	476 333 960.00

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Sep 2018	ZATR	Future	12,975	2.7327	2.7833	0.0000	0.0000	0	0.00	
			<u>12,975</u>					0.00	0.00	
		Total	12,975					0.00	0.00	
									292 954.00	
									1 018 927 467.50	
									292 954.00	
									1 018 927 467.50	
Future										
Sep 2018	ZAUM	Future	340	13.5439	13.4873	0.0000	0.0000	0	0.00	
Dec 2018	ZAUM	Future	15	13.6980	13.6396	0.0000	0.0000	0	0.00	
			<u>355</u>					0.00	0.00	
		Total	355					0.00	0.00	
									152 006.00	
									175 363 179 390.00	
									156 529.00	
									175 363 179 390.00	
Future										
Sep 2018	ZAUS	Future	501,810	13.5439	13.4873	13.6400	13.5100	45,845	620,657,633.00	
Dec 2018	ZAUS	Future	71,899	13.6980	13.6396	13.7320	13.7320	1,128	15,432,633.60	
Mar 2019	ZAUS	Future	5,932	13.8616	13.8004	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	Future	15,410	14.0151	13.9517	0.0000	0.0000	0	0.00	
			<u>595,051</u>					46,973.00	636,090,266.60	
									178 599 391.00	
									2 114 657 170 351.50	
Option										
Sep 2018	ZAUS	11.48 Put	5,200	3.6619	4.0423	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.50 Put	45,000	3.7586	4.1588	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.60 Put	2,000	4.2894	4.8019	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.75 Put	93,314	5.2596	5.9918	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.85 Put	48,200	6.0518	6.9737	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.90 Put	3,000	6.5007	7.5334	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.00 Put	13,300	7.5234	8.8171	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.25 Call	500	1306.4126	1253.7948	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.25 Put	40,000	12.5126	16.4948	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.30 Put	100	15.2312	19.7757	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.38 Put	60,000	20.5543	26.0959	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.50 Call	4,600	1075.0994	1025.7554	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.50 Put	34,000	31.1994	38.4554	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.58 Put	8,000	40.3905	48.9258	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.61 Put	13,231	44.3239	53.3651	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.65 Put	1,550	50.0093	59.7469	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.77 Call	5,200	844.2519	799.6035	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.80 Call	50	820.1629	776.0946	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.85 Put	3,750	86.8957	100.4141	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.00 Call	30,000	669.0425	630.5240	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.00 Put	73,000	125.1425	143.2240	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.20 Call	4,000	535.7596	503.9429	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.20 Put	4,000	191.8596	216.6429	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.22 Put	26,000	199.5645	225.0360	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.25 Call	1,250	505.3805	475.2890	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	13.25 Put	74,064	211.4805	237.9890	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	371.3487	349.7604	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	327.4222	310.0190	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	383.5222	422.7190	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	307.8852	291.7380	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	63,000	198.6611	189.6632	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	654.7611	702.3632	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	81.4561	78.9806	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	55.2551	53.4121	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	14.9642	14.2632	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	13.6575	12.9946	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	11.9977	11.3840	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	9.8909	9.4504	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	26.1012	28.0824	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	30.9998	33.6220	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	39.0390	42.7477	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	45.4084	49.9965	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	46.7908	51.5704	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	52.7070	58.3144	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	61.0498	67.8259	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	65.6516	73.0730	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	80.4063	91.6758	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1299.0350	1253.6546	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	101.0350	114.0546	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	127.4471	142.4657	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	138.8019	154.6116	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	155.8589	172.7998	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	926.4388	890.2986	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	175,030	228.4388	250.6986	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	264.8157	289.2216	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	802.4837	770.6316	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	312.8111	339.7864	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	773.5496	742.7643	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	22,800	325.5496	353.1643	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	417.9315	449.7173	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	641.0203	615.4213	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	443.0203	475.8213	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	551.0604	588.5051	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	556.9417	594.5586	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	516.9198	497.3135	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	598.9198	637.7135	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	605.0307	643.9893	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.80 Call	3,264	509.1697	489.8922	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	454.5336	437.5912	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	16,000	437.6337	421.4231	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	396.5799	382.1519	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	340.9300	328.9425	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	328.3299	316.9168	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	313.9635	303.1215	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	279.0005	269.3974	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	276.9617	267.4282	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	274.9393	265.4777	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	259.3283	250.4108	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	250.0723	241.4779	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	234.3267	226.2743	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	16,600	209.0222	201.8278	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	207.5476	200.2906	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	195.6937	188.4217	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	186.9539	180.0066	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	145.7909	140.3563	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	1,000	143.6322	138.2782	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	123.8726	119.2377	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	6.1060	6.0024	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	47.8729	51.9497	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	82.7339	90.5424	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	152.2776	167.1937	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	901.6176	872.7947	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	494.9121	527.4702	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	647.8401	685.3773	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	711.2152	750.7810	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	555.1691	539.4720	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	501.5784	487.9417	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	386.3508	377.2226	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	296.8038	289.6999	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	282.3765	275.6255	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	10.1060	9.7219	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	146.2263	159.5063	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	274.0071	293.8697	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	347.7598	371.2836	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	444.8028	472.5848	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	738.0788	777.3917	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	12,450	766.5410	806.6341	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	648.9813	634.7123	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	581.5091	569.8492	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	15.55 Call	25,000	421.2038	413.9356	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.62 Call	12,450	408.1481	401.1898	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.80 Call	1,000	376.6624	370.4303	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.92 Call	911	357.2346	351.4444	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	10.75 Put	1,000	17.8529	19.3009	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	12.50 Put	1,000	231.0577	254.7338	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	15.87 Call	1,000	523.8892	515.4076	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	207.2312	203.3553	0.0000	0.0000	0	0.00	
			<u>2,745,161</u>					<i>0.00</i>	<i>0.00</i>	<i>51 086 478.00</i>
	Total		3,340,212					46,973.00	636,090,266.60	229 685 869.00 2 114 657 170 351.50

Grand Total	4,683,801					73,491.00	728 310 512.30	313,337,447	2,950,904,121,977.72
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