



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 10-July-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jul 2018	DAEU	Future	34	15.6825	15.7335	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	33	15.7303	15.7816	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	97.8966	83.4612	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	13.3722	13.3708	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	34	13.3775	13.3778	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	13.3845	13.3848	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	13.3915	13.3917	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	20,571	13.3932	13.3935	0.0000	0.0000	40,000	539,465,250.00
Jul 2018	DAUS	Future	920	13.3967	13.3969	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,867	13.4036	13.4039	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	55	13.4071	13.4074	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.4262	13.4265	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	5,470	13.4297	13.4300	0.0000	0.0000	500	6,721,750.00
Aug 2018	DAUS	Future	600	13.4385	13.4386	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,404	13.4577	13.4576	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	197	13.4629	13.4628	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	4,137	13.5064	13.5062	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	13.5133	13.5131	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.5531	13.5530	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.5600	13.5599	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,608	13.5635	13.5634	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	13.5652	13.5651	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	13.5859	13.5859	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	700	13.5911	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	13.6154	13.6153	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,078	13.6690	13.6690	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.6725	13.6724	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.7204	13.7203	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.7221	13.7220	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.7442	13.7441	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	13.7698	13.7697	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.8157	13.8156	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.8259	13.8258	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	13.8740	13.8737	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	13.9275	13.9269	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	54,000	13.9327	13.9320	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	13.9811	13.9801	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.0373	14.0357	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.0968	14.0943	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.1525	14.1492	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.2065	14.2023	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.2659	14.2609	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.3236	14.3176	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.3775	14.3707	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.4351	14.4275	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.4928	14.4842	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.5430	14.5337	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.6062	14.5959	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.7159	14.7043	0.0000	0.0000	0	0.00		
			<u>201,585</u>					<u>40,500.00</u>	<u>546,187,000.00</u>	<u>10 401 347.00</u>	<u>126 704 610 315.10</u>
Option											
Jul 2018	DAUS	14.45 Put	1,500	1063.4655	1063.7748	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	0.1055	0.1414	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.50 Put	0	228.9664	232.0726	0.0000	0.0000	40,000	0.00		
Jul 2018	DAUS	13.00 Put	500	46.0182	46.5774	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.50 Call	500	156.5839	157.9495	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	471.5880	472.8404	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	0.5874	0.5639	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	0.3687	0.3708	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	7.0378	7.2783	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	536.1301	536.1125	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	0.6465	0.6196	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.00 Put	500	116.4564	116.2944	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.65 Call	500	235.5677	235.2131	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	532.0890	532.1633	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	3.9251	3.9253	0.0000	0.0000	0	0.00		

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Aug 2018	DAUS	16.57 Call	500	2.7829	2.7637	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	254.1807	253.8536	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	161.5346	160.1080	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	284.9739	283.5968	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	572.2672	571.1270	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	17.1980	17.8430	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	7.9508	8.0650	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	205.4643	202.0785	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	610.4693	608.0063	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	332.1088	329.8706	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	33.6994	34.7533	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	19.9524	21.2561	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	26.4244	24.7938	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	654.8334	652.4380	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	28.1739	29.5171	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	5.5009	5.6564	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	21.9978	21.2147	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	682.1278	678.1650	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	237.7610	233.2072	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	638.7499	635.5828	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	363.4220	361.0396	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	50.2783	52.1031	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	35.1454	37.2932	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	555.3252	551.4443	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	115.9359	117.2127	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	337.3559	332.1725	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	382.3734	377.3559	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	271.1070	270.4006	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	254.3665	253.9608	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	264.2571	258.6504	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	660.9390	657.0929	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	392.8974	390.5205	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	65.5594	68.2359	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	48.2512	51.4009	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	289.6438	284.1432	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	418.2059	416.1377	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	311.1721	306.0775	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	441.1242	439.1986	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	331.6979	327.0149	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	461.9736	460.2678	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	351.7685	347.5186	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	953.1137	949.2043	0.0000	0.0000	0	0.00

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Apr 2019	DAUS	14.84 Call	500	481.8088	480.1827	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	371.1874	367.3561	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	499.5880	498.0223	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	386.3815	382.4354	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	513.1254	511.4719	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	580.4132	577.4244	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	306.2017	306.6331	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	404.7375	402.0124	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	537.3745	536.1662	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	420.9801	419.0074	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	555.6446	554.4680	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	435.1106	433.8995	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	577.3492	576.2695	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	449.0969	448.3005	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	593.4103	592.4586	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	460.8662	460.4617	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	611.9080	610.9354	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	473.2518	473.2666	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	630.3671	629.4182	0.0000	0.0000	0	0.00		
			<u>325,527</u>					<u>40,000.00</u>	<u>0.00</u>	<u>19 263 832.00</u>	<u>0.00</u>
Total			527,112					80,500.00	546,187,000.00	29 665 179.00	126 704 610 315.10
Future											
Sep 2018	EUUS	Future	145	1.1778	1.1816	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	10.0640	10.0706	10.0886	10.0573	433	4,363,094.60		
Dec 2018	ZAAD	Future	11,412	10.1812	10.1888	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	10.4350	10.4429	0.0000	0.0000	0	0.00		
			<u>28,663</u>					<u>433.00</u>	<u>4,363,094.60</u>	<u>3 684 181.00</u>	<u>31 995 332 143.90</u>
Total			28,663					433.00	4,363,094.60	3 716 558.00	31 995 332 143.90
Future											
Dec 2018	ZACA	Future	500	10.4190	10.4437	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
Future											
Sep 2018	ZADK	Future	0	2.1323	2.1397	2.1323	2.1323	100	2,132,300.00		

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Dec 2018	ZADK	Future	0	2.1728	2.1803	2.1741	2.1741	5	108,705.00		
			0					105.00	2,241,005.00	11 575.00	249 106 214.00
		Total	0					105.00	2,241,005.00	11 575.00	249 106 214.00
Future											
Sep 2018	ZAEU	Future	138,368	15.8848	15.9364	15.9228	15.9228	280	4,458,648.00		
Dec 2018	ZAEU	Future	21,982	16.1772	16.2303	16.3402	16.1881	3,500	56,986,500.00		
Mar 2019	ZAEU	Future	4,808	16.5025	16.5573	16.5448	16.5448	10	165,448.00		
Jun 2019	ZAEU	Future	5,256	16.8136	16.8671	0.0000	0.0000	0	0.00		
			170,414					3,790.00	61,610,596.00	15 046 779.00	214 915 304 908.80
Option											
Sep 2018	ZAEU	13.50 Put	29,734	4.5013	4.5612	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	86,688	11.3787	11.4052	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	372.5463	346.3629	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	145.9651	156.1410	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	5.9641	6.1016	0.0000	0.0000	0	0.00		
			319,804					0.00	0.00	7 964 516.00	0.00
		Total	490,218					3,790.00	61,610,596.00	23 011 295.00	214 915 304 908.80
Future											
Sep 2018	ZAFR	Future	1,575	13.6488	13.6952	13.7519	13.6557	360	4,936,801.50		
Dec 2018	ZAFR	Future	130	13.9126	13.9605	14.0494	13.9351	80	1,123,380.50		
			1,705					440.00	6,060,182.00	613 983.00	6 570 296 947.30
		Total	1,705					440.00	6,060,182.00	613 983.00	6 570 296 947.30
Future											
Sep 2018	ZAGB	Future	226,831	17.9499	17.9321	18.0651	17.9600	2,755	49,601,730.00		
Dec 2018	ZAGB	Future	7,437	18.2247	18.2082	18.3079	18.3079	500	9,153,950.00		
Mar 2019	ZAGB	Future	4,932	18.5262	18.5083	18.5133	18.5133	4	74,053.20		
Jun 2019	ZAGB	Future	6,543	18.8096	18.7906	0.0000	0.0000	0	0.00		
			245,743					3,259.00	58,829,733.20	11 917 081.00	200 637 999 974.20
		Total	245,743					3,259.00	58,829,733.20	13 691 194.00	200 637 999 974.20
Future											
Sep 2018	ZAJY	Future	115	0.1218	0.1224	0.0000	0.0000	0	0.00		
			115					0.00	0.00	993 919.00	11 089 418 491.40
		Total	115					0.00	0.00	993 919.00	11 089 418 491.40
Future											
Sep 2018	ZAKS	Future	562	0.1319	0.1323	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,093	0.1300	0.1294	0.0000	0.0000	0	0.00		

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			1,655					0.00	0.00	35 358.00	476 333 960.00
		Total	1,655					0.00	0.00	35 358.00	476 333 960.00
Future											
	Sep 2018 ZATR	Future	12,975	2.7833	2.8730	0.0000	0.0000	200	559,060.00		
			12,975					200.00	559,060.00	292 954.00	1 018 927 467.50
		Total	12,975					200.00	559,060.00	292 954.00	1 018 927 467.50
Future											
	Sep 2018 ZAUM	Future	350	13.4873	13.4870	13.4847	13.4847	5	6,742,350.00		
	Dec 2018 ZAUM	Future	15	13.6396	13.6395	13.6419	13.6419	5	6,820,950.00		
			365					10.00	13,563,300.00	152 006.00	175 363 179 390.00
		Total	365					10.00	13,563,300.00	156 529.00	175 363 179 390.00
Future											
	Sep 2018 ZAUS	Future	508,603	13.4873	13.4870	13.6286	13.4777	62,496	847,545,288.70		
	Dec 2018 ZAUS	Future	72,402	13.6396	13.6395	13.6449	13.6419	7,233	99,227,201.20		
	Mar 2019 ZAUS	Future	5,932	13.8004	13.8003	13.7965	13.7965	10	137,965.00		
	Jun 2019 ZAUS	Future	15,410	13.9517	13.9509	0.0000	0.0000	500	7,004,300.00		
			602,347					70,239.00	953,914,754.90	178 552 418.00	2 114 021 080 084.90
Option											
	Sep 2018 ZAUS	11.48 Put	5,200	4.0423	3.9859	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.50 Put	45,000	4.1588	4.0893	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.60 Put	2,000	4.8019	4.6569	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.75 Put	93,314	5.9918	5.6945	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.85 Put	48,200	6.9737	6.5416	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.90 Put	3,000	7.5334	7.0218	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.00 Put	13,300	8.8171	8.1171	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.25 Call	500	1253.7948	1252.2697	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.25 Put	40,000	16.4948	15.2697	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.30 Put	100	19.7757	18.4920	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.38 Put	60,000	26.0959	24.7516	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.50 Call	4,600	1025.7554	1024.1207	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.50 Put	34,000	38.4554	37.1207	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.58 Put	8,000	48.9258	47.6792	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.61 Put	13,231	53.3651	52.1707	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.65 Put	1,550	59.7469	58.6400	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.77 Call	5,200	799.6035	798.5761	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.80 Call	50	776.0946	775.1887	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.85 Put	3,750	100.4141	100.0382	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	13.00 Call	30,000	630.5240	629.7528	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 Put	73,000	143.2240	142.7528	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	503.9429	503.0453	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	216.6429	216.0453	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	225.0360	224.4267	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	475.2890	474.3627	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	237.9890	237.3627	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	349.7604	348.7265	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	310.0190	309.2103	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	422.7190	422.2103	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	291.7380	291.0457	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	63,000	189.6632	189.7228	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	702.3632	702.7228	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	78.9806	80.0149	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	53.4121	54.6901	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	14.2632	15.5164	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	12.9946	14.2135	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	11.3840	12.5513	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	9.4504	10.3580	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	28.0824	27.0810	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	33.6220	32.2112	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	42.7477	40.6432	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	49.9965	47.3321	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	51.5704	48.7835	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	58.3144	55.0039	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	67.8259	63.7793	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	73.0730	68.6243	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	91.6758	86.6064	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1253.6546	1248.2709	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	114.0546	108.7709	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	142.4657	137.0649	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	154.6116	149.2013	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	172.7998	167.4072	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	890.2986	885.0745	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	175,030	250.6986	245.5745	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	289.2216	284.1447	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	770.6316	765.5595	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	339.7864	334.8408	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	742.7643	737.7621	0.0000	0.0000	10,000	0.00
Dec 2018	ZAUS	13.25 Put	22,800	353.1643	348.2621	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	449.7173	445.2121	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	615.4213	610.9377	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	475.8213	471.4377	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	13.70 Put	7,300	588.5051	584.6867	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	594.5586	590.7711	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	497.3135	493.6545	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	637.7135	634.1545	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	643.9893	640.4625	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	489.8922	486.2979	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	437.5912	434.5025	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	16,000	421.4231	418.5075	0.0000	0.0000	20,000	0.00
Dec 2018	ZAUS	14.13 Call	20,000	382.1519	379.6858	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	328.9425	327.1515	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	316.9168	315.3043	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	303.1215	301.7321	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	269.3974	268.5739	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	267.4282	266.6397	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	265.4777	264.7212	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	250.4108	249.9209	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	241.4779	241.1435	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	226.2743	226.2150	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	16,600	201.8278	202.2166	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	200.2906	200.6982	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	188.4217	188.9667	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	180.0066	180.6518	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	140.3563	141.4566	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	1,000	138.2782	139.4003	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	119.2377	120.5597	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	6.0024	5.9745	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	51.9497	50.9071	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	90.5424	87.9372	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	167.1937	162.0806	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	872.7947	868.4765	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	527.4702	523.2731	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	685.3773	681.8333	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	750.7810	747.4829	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	539.4720	537.0387	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	487.9417	485.9177	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	377.2226	376.2334	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	289.6999	289.7244	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	275.6255	275.8324	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	9.7219	10.0446	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	159.5063	157.5906	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	293.8697	290.2055	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	371.2836	367.6855	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	13.24 Put	30,000	472.5848	469.1883	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.83 Put	25,000	777.3917	774.8998	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.88 Put	12,450	806.6341	804.2377	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.58 Call	1,000	634.7123	632.4640	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.82 Call	30,000	569.8492	567.9446	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.55 Call	25,000	413.9356	413.1707	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.62 Call	12,450	401.1898	400.5533	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.80 Call	1,000	370.4303	370.1199	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.92 Call	911	351.4444	351.3367	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	10.75 Put	1,000	19.3009	17.4032	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	12.50 Put	1,000	254.7338	250.9686	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	15.87 Call	1,000	515.4076	514.7445	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	203.3553	205.2981	0.0000	0.0000	0	0.00	
			<u>2,745,161</u>					<u>30,000.00</u>	<u>0.00</u>	<u>51 086 478.00</u>
		Total	<u>3,347,508</u>					<u>100,239.00</u>	<u>953,914,754.90</u>	<u>229 638 896.00</u>
										<u>2 114 021 080 084.90</u>

Grand Total	<u>4,666,771</u>							<u>188,976.00</u>	<u>1 647 328 725.70</u>	<u>313,263,956</u>	<u>2,950,175,811,465.42</u>
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