



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 05-June-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Jun 2017	DAEU	Future	4	14.3659	14.4941	0.0000	0.0000	0	0.00		
			<u>4</u>					<u>0.00</u>	<u>0.00</u>	<u>114 552.00</u>	<u>1 470 024 419.90</u>
		Total	4					0.00	0.00	404 152.00	1 470 024 419.90
Future											
Jun 2017	DAGB	Future	5	16.5008	16.5521	0.0000	0.0000	3	49,448.10		
			<u>5</u>					<u>3.00</u>	<u>49,448.10</u>	<u>53 259.00</u>	<u>873 246 220.90</u>
		Total	5					3.00	49,448.10	244 372.00	873 246 220.90
Future											
Jun 2017	DAUS	Future	0	12.7450	12.7924	0.0000	0.0000	30,000	382,350,000.00		
Jun 2017	DAUS	Future	30,000	12.7042	12.7924	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	Future	113	12.7487	12.8397	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	Future	5,060	12.7531	12.8442	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	Future	5,100	12.7685	12.8596	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	Future	2,524	12.7836	12.8749	0.0000	0.0000	720	9,240,984.00		
Jul 2017	DAUS	Future	1,272	12.7900	12.8814	0.0000	0.0000	1,070	13,721,145.00		
Jul 2017	DAUS	Future	70	12.7986	12.8901	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	Future	3,274	12.8201	12.9119	0.0000	0.0000	0	0.00		
Aug 2017	DAUS	Future	1,350	12.8287	12.9206	0.0000	0.0000	0	0.00		
Aug 2017	DAUS	Future	70	12.8435	12.9356	0.0000	0.0000	0	0.00		
Sep 2017	DAUS	Future	377	12.9415	13.0346	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	Future	334	12.9959	13.0895	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	70	13.0398	13.1338	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	70	13.2283	13.3246	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	70	13.4028	13.5013	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	13.5996	13.7006	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	13.7957	13.8991	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.9918	14.0976	0.0000	0.0000	0	0.00		
			<u>49,964</u>					<u>31,790.00</u>	<u>405,312,129.00</u>	<u>5 568 565.00</u>	<u>64 805 304 980.80</u>

<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>		
Option											
Jun 2017	DAUS	13.00 Call	30,000	5.9276	24.6054	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	13.10 Put	30,000	398.9598	322.5162	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	13.00 Put	20,000	321.5278	252.8460	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	12.90 Put	200	240.3110	193.7470	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	13.00 Put	100	321.7267	262.5601	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	13.03 Call	40,000	30.7840	59.0873	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	13.20 Put	150	501.4635	424.4738	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	13.50 Put	60	785.6125	711.1094	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	16.24 Call	60	1.2071	1.2316	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	14.00 Call	5,000	14.2196	23.8543	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	14.07 Call	5,000	18.7050	27.6518	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	13.95 Put	1,000	1198.6040	1118.7948	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	17.98 Call	1,000	0.1759	0.1809	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	13.20 Put	2,000	562.0446	503.9985	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	14.30 Call	2,000	28.9008	37.3135	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	13.50 Put	60	801.0914	733.3295	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	16.53 Call	60	4.1760	3.9937	0.0000	0.0000	0	0.00		
Aug 2017	DAUS	13.35 Put	34,000	698.2064	637.7902	0.0000	0.0000	0	0.00		
Aug 2017	DAUS	13.50 Put	60	820.5239	757.1159	0.0000	0.0000	0	0.00		
Aug 2017	DAUS	16.84 Call	60	10.9158	9.0417	0.0000	0.0000	0	0.00		
Sep 2017	DAUS	13.50 Put	60	836.5946	774.6885	0.0000	0.0000	0	0.00		
Sep 2017	DAUS	17.13 Call	60	11.1387	9.8927	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	12.92 Put	1,000	481.2765	436.6186	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	13.50 Put	60	851.2212	789.7888	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	14.10 Call	1,000	221.0367	241.8188	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	17.45 Call	60	7.6072	13.2746	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	13.50 Put	60	863.4851	802.2078	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	17.74 Call	60	19.6343	26.9463	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	13.50 Put	60	871.5261	811.8954	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	18.02 Call	60	27.1775	32.9889	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.00 Put	1,000	2009.2761	1936.1444	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.81 Call	2,000	264.3641	282.0954	0.0000	0.0000	0	0.00		
			<u>176,290</u>					<u>0.00</u>	<u>0.00</u>	<u>12 271 008.00</u>	<u>0.00</u>
Total			226,254					31,790.00	405,312,129.00	17 839 573.00	64 805 304 980.80
Future											
Jun 2017	EUUS	Future	62	1.1258	1.1278	1.1264	1.1240	260	2,925,710.00		
			<u>62</u>					<u>260.00</u>	<u>2,925,710.00</u>	<u>542 709.00</u>	<u>6 035 843 791.00</u>
Total			62					260.00	2,925,710.00	542 709.00	6 035 843 791.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Jun 2017	GBUS	Future	8,123	1.2934	1.2882	1.2920	1.2873	15	193,440.00		
			<u>8,123</u>					15.00	193,440.00	115 313.00	1 470 462 871.00
		Total	8,123					15.00	193,440.00	115 313.00	1 470 462 871.00
Future											
Jun 2017	ZAAD	Future	23,305	9.5233	9.5292	9.5530	9.5371	310	2,960,478.10		
Sep 2017	ZAAD	Future	2,267	9.6564	9.6633	0.0000	0.0000	0	0.00		
Dec 2017	ZAAD	Future	1,153	9.7874	9.7949	9.8106	9.8070	3	29,424.60		
Jun 2018	ZAAD	Future	2,041	10.0443	10.0530	0.0000	0.0000	542	5,449,268.00		
			<u>28,766</u>					855.00	8,439,170.70	3 218 851.00	27 278 262 328.20
		Total	28,766					855.00	8,439,170.70	3 251 228.00	27 278 262 328.20
Future											
Jun 2017	ZACA	Future	6,987	9.4362	9.4889	0.0000	0.0000	0	0.00		
Sep 2017	ZACA	Future	10	9.5960	9.6502	0.0000	0.0000	0	0.00		
			<u>6,997</u>					0.00	0.00	88 366.00	839 411 320.00
		Total	6,997					0.00	0.00	88 366.00	839 411 320.00
Future											
Jun 2017	ZACR	Future	10	1.8744	1.8882	0.0000	0.0000	0	0.00		
			<u>10</u>					0.00	0.00	109 794.00	2 503 480 006.00
		Total	10					0.00	0.00	109 794.00	2 503 480 006.00
Future											
Jun 2017	ZAEU	Future	64,678	14.3303	14.4579	14.4342	14.3500	1,302	18,761,634.70		
Sep 2017	ZAEU	Future	6,882	14.6195	14.7502	14.7075	14.6539	127	1,866,365.30		
Dec 2017	ZAEU	Future	4,753	14.9088	15.0427	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	Future	4,152	15.1977	15.3349	0.0000	0.0000	142	2,163,086.00		
			<u>80,465</u>					1,571.00	22,791,086.00	11 472 844.00	159 873 694 068.00
Option											
Dec 2017	ZAEU	14.00 Put	18,000	253.2216	222.4898	0.0000	0.0000	0	0.00		
Dec 2017	ZAEU	16.39 Call	18,000	259.8304	288.6375	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	15.05 Put	5,648	739.9251	675.0494	0.0000	0.0000	0	0.00		
			<u>41,648</u>					0.00	0.00	4 853 829.00	0.00
		Total	122,113					1,571.00	22,791,086.00	16 326 673.00	159 873 694 068.00
Future											
Jun 2017	ZAFR	Future	1,356	13.2070	13.3116	0.0000	0.0000	0	0.00		
Sep 2017	ZAFR	Future	1,000	13.4872	13.5948	0.0000	0.0000	0	0.00		
Dec 2017	ZAFR	Future	500	13.7706	13.8808	0.0000	0.0000	0	0.00		
			<u>2,856</u>					0.00	0.00	577 215.00	6 068 873 545.90

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Total			2,856					0.00	0.00	577 215.00	6 068 873 545.90
Future											
Jun 2017	ZAGB	Future	50,674	16.4637	16.5145	16.5421	16.4360	1,748	28,800,950.90		
Sep 2017	ZAGB	Future	6,585	16.7613	16.8143	16.7800	16.7160	412	6,891,660.00		
Dec 2017	ZAGB	Future	4,136	17.0567	17.1109	0.0000	0.0000	0	0.00		
Jun 2018	ZAGB	Future	3,414	17.6414	17.6993	0.0000	0.0000	382	6,748,985.00		
			64,809					2,542.00	42,441,595.90	8 189 090.00	135 473 142 409.00
Option											
Jun 2017	ZAGB	16.50 Call	600	201.0072	243.4810	0.0000	0.0000	0	0.00		
Jun 2017	ZAGB	16.50 Put	500	237.3072	228.9810	0.0000	0.0000	0	0.00		
Jun 2017	ZAGB	17.50 Call	300	14.9662	15.4359	0.0000	0.0000	0	0.00		
			1,400					0.00	0.00	1 761 213.00	0.00
Total			66,209					2,542.00	42,441,595.90	9 950 303.00	135 473 142 409.00
Future											
Jun 2017	ZAJY	Future	6,052	0.1153	0.1161	0.0000	0.0000	5,930	68,614,844.00		
			6,052					5,930.00	68,614,844.00	928 523.00	10 330 244 775.30
Total			6,052					5,930.00	68,614,844.00	928 523.00	10 330 244 775.30
Future											
Sep 2017	ZAKS	Future	1,382	0.1227	0.1234	0.0000	0.0000	0	0.00		
Jun 2018	ZAKS	Future	1,145	0.1206	0.1214	0.0000	0.0000	0	0.00		
			2,527					0.00	0.00	29 417.00	400 402 950.00
Total			2,527					0.00	0.00	29 417.00	400 402 950.00
Future											
Jun 2017	ZAUM	Future	638	12.7289	12.8198	12.7942	12.7316	30	38,298,360.00		
Sep 2017	ZAUM	Future	22	12.9227	13.0156	0.0000	0.0000	0	0.00		
Dec 2017	ZAUM	Future	52	13.1124	13.2071	13.1444	13.1444	5	6,572,200.00		
Mar 2018	ZAUM	Future	3	13.2970	13.3942	0.0000	0.0000	0	0.00		
Jun 2018	ZAUM	Future	182	13.4802	13.5797	0.0000	0.0000	0	0.00		
			897					35.00	44,870,560.00	138 091.00	157 262 586 520.00
Total			897					35.00	44,870,560.00	142 614.00	157 262 586 520.00
Future											
Jun 2017	ZAUS	Future	926,425	12.7289	12.8198	12.8047	12.7200	43,889	560,510,250.50		
Sep 2017	ZAUS	Future	88,417	12.9227	13.0156	13.0085	12.9224	15,790	204,951,164.10		
Dec 2017	ZAUS	Future	89,615	13.1124	13.2071	13.1500	13.1248	539	7,085,243.20		
Mar 2018	ZAUS	Future	9,397	13.2970	13.3942	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	Future	3,845	13.4802	13.5797	0.0000	0.0000	0	0.00		

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Sep 2018	ZAUS	Future	0	13.6742	13.7761	0.0000	0.0000	100	1,305,950.00
Mar 2019	ZAUS	Future	1,500	14.0622	14.1689	0.0000	0.0000	0	0.00
			<u>1,119,199</u>					<u>60,318.00</u>	<u>773,852,607.80</u>
									<u>142 461 817.00</u>
									<u>1 642 976 150 258.70</u>
Option									
Jun 2017	ZAUS	11.78 Put	4,500	5.4269	5.1647	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.00 Put	60,150	9.5183	8.5623	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.10 Put	2,000	13.9794	11.0029	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.25 Put	4,500	27.9916	20.9156	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.30 Put	2,000	34.7525	26.5644	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.50 Put	1,600	76.5525	62.3971	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.65 Call	0	206.8113	276.9866	0.0000	0.0000	6,000	0.00
Jun 2017	ZAUS	12.71 Put	17,600	154.6813	130.2128	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.76 Call	50	150.6328	211.5733	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.80 Put	4,000	205.0820	170.6036	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.90 Put	3,500	269.6964	227.6404	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.92 Call	3,000	92.5198	139.8572	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.00 Call	1,078	71.2205	112.6443	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.00 Put	88,255	342.3205	292.8443	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.25 Put	100	550.5298	484.9172	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.27 Call	3,000	27.3169	51.5158	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.30 Put	2,638	595.5067	527.2347	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.34 Call	0	20.9684	41.6172	0.0000	0.0000	4,000	0.00
Jun 2017	ZAUS	13.39 Call	4,000	18.1727	35.6596	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.45 Call	3,000	15.6015	29.5657	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.50 Call	4,750	13.7932	25.7681	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.69 Put	250	970.0198	885.6344	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.70 Call	500	8.7297	15.0310	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.80 Call	1,500	7.0891	11.5705	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.83 Put	2,280	1107.7771	1020.9097	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.00 Call	1,100	4.7324	6.9866	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.00 Put	3,800	1275.8324	1187.1866	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.04 Call	37	4.3199	6.3365	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.11 Put	2,850	1384.7956	1295.5585	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.13 Put	17,600	1404.6373	1315.3161	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.18 Put	1,400	1454.2756	1364.7629	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.23 Put	2,000	1503.9572	1414.2774	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.25 Call	100	2.7407	3.9002	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.26 Call	3,156	2.6846	3.8149	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.33 Put	3,000	1603.4286	1513.4750	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.40 Call	1,000	2.0284	2.8223	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.50 Call	98,178	1.6776	2.2969	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.75 Call	2,000	1.0822	1.4191	0.0000	0.0000	0	0.00

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Jun 2017	ZAUS	14.89 Put	1,297	2161.9651	2071.3058	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.00 Call	763	0.7329	0.9180	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.10 Call	1,000	0.6352	0.7808	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.15 Call	1,000	0.5928	0.7219	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.40 Call	5,000	0.4030	0.5051	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.50 Call	55,000	0.3428	0.4504	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.50 Put	150	2771.4428	2680.6504	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.78 Call	17,600	0.2242	0.3369	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.78 Put	3,155	3051.3242	2960.5369	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.85 Call	3,000	0.2029	0.3155	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.86 Call	30,000	0.2001	0.3126	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.00 Call	5,000	0.1652	0.2763	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.10 Call	1,400	0.1450	0.2544	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.20 Call	4,255	0.1278	0.2354	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.26 Call	2,850	0.1187	0.2252	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.73 Call	2,000	0.0438	0.1398	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	18.15 Call	1,297	0.0003	0.0019	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	18.65 Call	150	0.0001	0.0004	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	19.71 Call	3,155	0.0000	0.0000	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	12.00 Put	7,202	93.1955	80.3060	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	12.20 Put	1,000	141.2316	122.8658	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	12.26 Put	5,250	158.4704	0.0000	0.0000	0.0000	10,500	0.00
Sep 2017	ZAUS	12.50 Put	1,125	242.4228	213.8526	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	12.60 Put	40	284.0531	252.1405	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	12.75 Call	3,500	526.5092	582.4042	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	12.80 Put	3,000	378.9805	340.2748	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.00 Call	4,351	413.3740	459.0954	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.00 Put	13,099	490.6740	443.4954	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.13 Call	250	364.6436	406.1349	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.14 Put	90	578.4257	526.7017	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.30 Call	500	309.0261	345.3437	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.40 Call	500	280.2247	313.7124	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.40 Put	3,500	757.5247	698.1124	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.45 Call	4,375	266.8285	0.0000	0.0000	0.0000	8,750	0.00
Sep 2017	ZAUS	13.50 Call	6,020	254.0638	284.8827	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.63 Put	216,962	930.9448	865.6646	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.75 Put	20,000	1026.1360	958.2281	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.76 Put	960	1034.2007	966.0838	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.80 Call	10,000	189.3514	213.3190	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.94 Call	1,250	165.2079	186.5111	0.0000	0.0000	450	0.00
Sep 2017	ZAUS	14.20 Call	90	128.5886	145.6679	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.22 Put	110	1423.2260	1347.3477	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 2017	ZAUS	14.25 Call	150	122.0278	138.9683	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.32 Put	110	1510.6926	1434.3429	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.33 Call	3,000	112.2090	128.6358	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.47 Put	150	1644.1867	1566.0631	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.50 Call	17,402	93.8872	108.3320	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.55 Call	1,125	89.0955	103.0032	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.72 Call	20,000	74.5836	86.8160	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	15.00 Call	10,600	55.7542	65.6668	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.00 Call	3,680	23.1635	25.2055	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.40 Call	960	17.7811	17.5814	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.50 Call	10,000	16.7111	16.1066	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.80 Call	110	13.5336	12.4597	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	17.00 Call	650	10.5275	10.0619	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	17.03 Call	110	10.1346	9.6743	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	18.00 Call	3,099	2.8255	2.5797	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	11.75 Put	500	106.8666	97.8143	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.00 Put	400	158.3370	140.5149	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.21 Put	18,000	216.2550	193.2475	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.40 Put	114,600	279.2502	251.1213	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.50 Put	11,916	317.6123	285.6129	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.65 Put	1,819	382.3728	344.9581	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.00 Put	2,580	559.0999	511.8099	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.12 Put	40,000	627.6101	576.9828	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.18 Put	16,000	663.5300	611.0167	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.21 Put	5,000	681.8335	628.4561	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.35 Put	52,000	770.1536	713.4726	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.40 Put	114,600	802.8168	745.0062	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.50 Call	9,816	482.2336	516.9267	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.91 Put	34,000	1166.4983	1098.1881	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Put	33,000	1235.8871	1166.1349	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Put	2,055	1641.0679	1566.1202	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	3,580	181.9748	196.7714	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	169.3784	183.2763	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.12 Call	40,000	168.2827	182.0996	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.50 Call	9,316	131.9084	143.0708	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	16.00 Call	117,200	97.7883	106.5638	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.13 Call	18,000	52.4270	62.6753	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	47.8792	57.8628	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	23.8840	29.6919	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	3,867	595.5784	552.7071	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.07 Put	113,476	633.4572	589.0300	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	814.2973	763.4100	0.0000	0.0000	0	0.00

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Mar 2018	ZAUS	14.91 Call	8,395	336.0642	359.3198	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	303.7424	324.9276	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	255.3542	273.3569	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	750	33.5398	30.7354	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	750	649.5144	609.0250	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	994.6237	943.5898	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	277.0665	293.1913	0.0000	0.0000	0	0.00
			<u>1,751,586</u>					<u>29,700.00</u>	<u>0.00</u>
		Total	<u>2,870,785</u>					<u>90,018.00</u>	<u>773,852,607.80</u>
									<u>34 548 344.00</u>
									<u>0.00</u>
									<u>177 010 161.00</u>
									<u>1 642 976 150 258.70</u>

Grand Total	3,341,660					133,019.00	1 369 490 591.50	235,830,724	2,257,822,293,217.20
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