



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 25-May-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
May 2017	DAEU	Future	4	14.4160	14.5066	0.0000	0.0000	0	0.00		
			<u>4</u>					<u>0.00</u>	<u>0.00</u>	<u>114 540.00</u>	<u>1 469 848 583.90</u>
		Total	4					0.00	0.00	404 140.00	1 469 848 583.90
Future											
May 2017	DAGB	Future	69	16.6390	16.7987	0.0000	0.0000	0	0.00		
			<u>69</u>					<u>0.00</u>	<u>0.00</u>	<u>53 182.00</u>	<u>871 944 035.30</u>
		Total	69					0.00	0.00	244 295.00	871 944 035.30
Future											
May 2017	DAUS	Future	1,391	12.8702	12.9667	0.0000	0.0000	0	0.00		
May 2017	DAUS	Future	1,200	12.8626	12.9680	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	Future	30,000	12.8774	12.9769	0.0000	0.0000	30,000	387,414,000.00		
Jun 2017	DAUS	Future	113	12.9275	13.0335	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	Future	3,142	12.9321	13.0378	0.0000	0.0000	1,000	12,966,500.00		
Jul 2017	DAUS	Future	5,100	12.9473	13.0531	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	Future	1,804	12.9625	13.0684	0.0000	0.0000	690	8,985,180.00		
Jul 2017	DAUS	Future	202	12.9691	13.0749	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	Future	70	12.9778	13.0836	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	Future	3,274	12.9995	13.1055	0.0000	0.0000	1,500	19,549,350.00		
Aug 2017	DAUS	Future	70	13.0229	13.1295	0.0000	0.0000	0	0.00		
Sep 2017	DAUS	Future	377	13.1228	13.2309	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	Future	334	13.1780	13.2866	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	70	13.2226	13.3316	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	70	13.4144	13.5251	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	70	13.5916	13.7037	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	13.7881	13.9008	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	13.9817	14.0948	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.1754	14.2889	0.0000	0.0000	0	0.00		
			<u>47,497</u>					<u>33,190.00</u>	<u>428,915,030.00</u>	<u>5 387 222.00</u>	<u>62 439 349 040.50</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											
May 2017	DAUS	13.50 Put	60	630.9907	548.1488	0.0000	0.0000	0	0.00		
May 2017	DAUS	15.97 Call	60	0.0000	0.0005	0.0000	0.0000	0	0.00		
May 2017	DAUS	12.90 Call	20,000	78.2651	0.0000	0.0000	0.0000	20,000	0.00		
May 2017	DAUS	12.90 Put	20,000	108.1651	0.0000	0.0000	0.0000	20,000	0.00		
Jun 2017	DAUS	13.10 Put	30,000	290.6006	225.9695	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	13.77 Call	30,000	5.4252	8.0713	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	13.10 Put	30,000	294.8841	231.7254	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	13.00 Put	20,000	240.7293	187.4494	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	12.90 Put	200	189.5071	147.3909	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	13.00 Put	100	248.9045	196.2433	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	13.20 Put	150	390.0413	322.5972	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	13.50 Put	60	661.3464	583.0137	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	16.24 Call	60	1.9419	2.0392	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	14.00 Call	5,000	44.9300	60.3296	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	14.07 Call	5,000	48.3754	63.5333	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	13.95 Put	1,000	1055.8084	968.3869	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	17.98 Call	1,000	0.4373	0.5831	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	13.20 Put	2,000	468.8772	409.6751	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	14.30 Call	2,000	56.7848	71.2826	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	13.50 Put	60	686.9082	616.0843	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	16.53 Call	60	5.8461	6.6448	0.0000	0.0000	0	0.00		
Aug 2017	DAUS	13.35 Put	34,000	597.3984	534.5819	0.0000	0.0000	0	0.00		
Aug 2017	DAUS	13.50 Put	60	712.2670	645.6047	0.0000	0.0000	0	0.00		
Aug 2017	DAUS	16.84 Call	60	10.2893	11.7613	0.0000	0.0000	0	0.00		
Sep 2017	DAUS	13.50 Put	60	730.8860	668.1521	0.0000	0.0000	0	0.00		
Sep 2017	DAUS	17.13 Call	60	12.0578	13.5936	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	12.92 Put	1,000	408.3845	367.5920	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	13.50 Put	60	747.1204	687.5580	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	14.10 Call	1,000	275.4769	309.3806	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	17.45 Call	60	20.3472	28.1374	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	13.50 Put	60	760.5488	703.9330	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	17.74 Call	60	33.9346	42.2822	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	13.50 Put	60	772.0605	716.5051	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	18.02 Call	60	40.1231	47.5440	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.00 Put	1,000	1879.2436	1801.0773	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.81 Call	2,000	305.5079	329.9298	0.0000	0.0000	0	0.00		
			<u>206,410</u>					<u>40,000.00</u>	<u>0.00</u>	<u>12 093 008.00</u>	<u>0.00</u>
		Total	253,907					73,190.00	428,915,030.00	17 480 230.00	62 439 349 040.50

Future

Jun 2017	EUUS	Future	202	1.1218	1.1195	1.1229	1.1229	50	561,450.00
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			202					50.00	561,450.00	542 299.00	6 031 239 481.00
		Total	202					50.00	561,450.00	542 299.00	6 031 239 481.00
Future											
	Jun 2017	GBUS	Future	8,108	1.2942	1.2959	0.0000	0.0000	0	0.00	
				8,108					0.00	0.00	115 298.00
		Total	8,108					0.00	0.00	115 298.00	1 470 269 431.00
Future											
	Jun 2017	ZAAD	Future	23,189	9.6294	9.7035	9.6650	9.6650	7,181	69,339,790.00	
	Sep 2017	ZAAD	Future	2,398	9.7639	9.8403	9.8025	9.8025	8	78,420.00	
	Dec 2017	ZAAD	Future	1,153	9.8969	9.9744	9.9025	9.9025	10	99,025.00	
	Jun 2018	ZAAD	Future	1,499	10.1554	10.2358	0.0000	0.0000	0	0.00	
				28,239					7,199.00	69,517,235.00	3 216 862.00
		Total	28,239					7,199.00	69,517,235.00	3 249 239.00	27 258 789 928.60
Future											
	Jun 2017	ZACA	Future	6,987	9.6080	9.6828	0.0000	0.0000	0	0.00	
				6,987					0.00	0.00	88 356.00
		Total	6,987					0.00	0.00	88 356.00	839 314 620.00
Future											
	Jun 2017	ZACR	Future	10	1.8801	1.8876	0.0000	0.0000	0	0.00	
				10					0.00	0.00	109 794.00
		Total	10					0.00	0.00	109 794.00	2 503 480 006.00
Future											
	Jun 2017	ZAEU	Future	69,259	14.4786	14.5654	14.5405	14.4775	1,763	25,651,096.60	
	Sep 2017	ZAEU	Future	6,982	14.7701	14.8638	0.0000	0.0000	0	0.00	
	Dec 2017	ZAEU	Future	4,653	15.0611	15.1577	15.1071	15.1071	20	302,142.00	
	Mar 2018	ZAEU	Future	4,010	15.3544	15.4531	0.0000	0.0000	0	0.00	
				84,904					1,783.00	25,953,238.60	11 444 026.00
		Total	84,904					1,783.00	25,953,238.60	11 444 026.00	159 452 740 710.60
Option											
	Dec 2017	ZAEU	14.00 Put	18,000	229.8805	213.8573	0.0000	0.0000	0	0.00	
	Dec 2017	ZAEU	16.39 Call	18,000	309.4814	338.8732	0.0000	0.0000	0	0.00	
	Mar 2018	ZAEU	15.05 Put	5,648	683.2746	643.2200	0.0000	0.0000	0	0.00	
				41,648					0.00	0.00	4 853 829.00
		Total	126,552					1,783.00	25,953,238.60	16 297 855.00	159 452 740 710.60
Future											
	Jun 2017	ZAFR	Future	1,356	13.2893	13.3410	0.0000	0.0000	0	0.00	

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Sep 2017	ZAFR	Future	1,000	13.5715	13.6241	0.0000	0.0000	0	0.00		
Dec 2017	ZAFR	Future	500	13.8557	13.9097	0.0000	0.0000	0	0.00		
			<u>2,856</u>					<i>0.00</i>	<i>0.00</i>	<i>577 215.00</i>	<i>6 068 873 545.90</i>
	Total		2,856					0.00	0.00	577 215.00	6 068 873 545.90
Future											
Jun 2017	ZAGB	Future	48,279	16.7048	16.8613	16.7974	16.7000	2,279	38,255,202.10		
Sep 2017	ZAGB	Future	3,503	17.0070	17.1710	17.1000	17.1000	20	342,000.00		
Dec 2017	ZAGB	Future	1,715	17.3060	17.4730	0.0000	0.0000	0	0.00		
			<u>53,497</u>					<i>2,299.00</i>	<i>38,597,202.10</i>	<i>8 155 883.00</i>	<i>134 907 396 626.10</i>
Option											
Jun 2017	ZAGB	16.50 Call	600	383.8591	497.4122	0.0000	0.0000	0	0.00		
Jun 2017	ZAGB	16.50 Put	500	179.0591	136.1122	0.0000	0.0000	0	0.00		
Jun 2017	ZAGB	17.50 Call	300	63.5207	98.2907	0.0000	0.0000	0	0.00		
			<u>1,400</u>					<i>0.00</i>	<i>0.00</i>	<i>1 761 213.00</i>	<i>0.00</i>
	Total		54,897					2,299.00	38,597,202.10	9 917 096.00	134 907 396 626.10
Future											
Jun 2017	ZAJY	Future	122	0.1154	0.1163	0.0000	0.0000	0	0.00		
			<u>122</u>					<i>0.00</i>	<i>0.00</i>	<i>922 593.00</i>	<i>10 261 629 931.30</i>
	Total		122					0.00	0.00	922 593.00	10 261 629 931.30
Future											
Sep 2017	ZAKS	Future	1,382	0.1241	0.1253	0.0000	0.0000	0	0.00		
Jun 2018	ZAKS	Future	1,145	0.1233	0.1243	0.0000	0.0000	0	0.00		
			<u>2,527</u>					<i>0.00</i>	<i>0.00</i>	<i>29 417.00</i>	<i>400 402 950.00</i>
	Total		2,527					0.00	0.00	29 417.00	400 402 950.00
Future											
Jun 2017	ZAUM	Future	605	12.9070	13.0108	0.0000	0.0000	38	49,117,700.00		
Sep 2017	ZAUM	Future	22	13.1037	13.2116	0.0000	0.0000	0	0.00		
Dec 2017	ZAUM	Future	47	13.2960	13.4056	0.0000	0.0000	0	0.00		
Mar 2018	ZAUM	Future	3	13.4841	13.5953	0.0000	0.0000	0	0.00		
Jun 2018	ZAUM	Future	147	13.6702	13.7827	0.0000	0.0000	0	0.00		
			<u>824</u>					<i>38.00</i>	<i>49,117,700.00</i>	<i>137 940.00</i>	<i>157 062 200 470.00</i>
	Total		824					38.00	49,117,700.00	142 463.00	157 062 200 470.00
Future											
Jun 2017	ZAUS	Future	908,449	12.9070	13.0108	12.9927	12.8951	63,808	826,989,173.70		
Sep 2017	ZAUS	Future	58,926	13.1037	13.2116	13.1721	13.1000	4,018	52,838,678.10		
Dec 2017	ZAUS	Future	84,554	13.2960	13.4056	13.3350	13.3000	60	799,313.50		

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Mar 2018	ZAUS	Future	8,867	13.4841	13.5953	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	Future	3,845	13.6702	13.7827	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	Future	1,500	14.2448	14.3584	0.0000	0.0000	0	0.00		
			<u>1,066,141</u>					<u>67,886.00</u>	<u>880,627,165.30</u>	<u>141 944 479.00</u>	<u>1 636 246 113 726.80</u>

Option

Jun 2017	ZAUS	11.78 Put	4,500	7.1607	6.6952	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.00 Put	60,150	11.2310	10.6389	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.10 Put	2,000	13.9940	13.2808	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.25 Put	4,500	19.8732	18.7936	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.30 Put	2,000	25.4934	21.1844	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.50 Put	1,500	60.7719	45.9591	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.65 Call	3,000	360.8280	441.1115	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.71 Put	17,600	125.6086	98.0790	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.76 Call	50	292.8321	365.5774	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.80 Put	4,000	163.3804	129.4094	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.90 Put	3,500	212.5582	171.0414	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.92 Call	3,000	210.6683	271.0397	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.00 Call	1,078	177.9859	230.7246	0.0000	0.0000	500	0.00
Jun 2017	ZAUS	13.00 Put	88,255	270.9859	219.9246	0.0000	0.0000	100	0.00
Jun 2017	ZAUS	13.25 Put	100	445.1580	378.0051	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.27 Call	3,000	97.5700	133.0776	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.30 Put	2,638	484.0420	414.0868	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.34 Call	4,000	82.9617	114.6764	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.39 Call	4,000	73.7967	102.9900	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.45 Call	3,000	64.0530	90.4277	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.50 Call	4,750	56.8770	81.0730	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.69 Put	250	818.4535	731.7846	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.70 Call	500	34.5614	51.2487	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.80 Call	1,500	26.7416	39.4506	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.83 Put	2,280	947.7489	855.6178	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.87 Put	30,000	985.3140	891.9003	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.00 Call	1,100	15.9069	22.8646	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.00 Put	3,800	1108.9069	1012.0646	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.04 Call	37	14.3274	20.4340	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.11 Put	2,850	1214.9277	1115.9449	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.13 Put	17,600	1234.3185	1135.0101	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.18 Put	1,400	1282.9274	1182.8808	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.23 Put	2,000	1331.8558	1231.0213	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.25 Call	100	8.5023	11.1463	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.26 Call	3,156	8.3315	10.8223	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.33 Put	3,000	1430.2408	1328.2479	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.40 Call	1,000	6.3118	7.8725	0.0000	0.0000	0	0.00

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Jun 2017	ZAUS	14.50 Call	98,178	5.2150	6.4878	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.75 Call	2,000	3.3248	4.1124	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.89 Put	1,297	1985.6276	1882.4408	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.00 Call	763	2.2022	2.7106	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.10 Call	1,000	1.8871	2.3190	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.15 Call	1,000	1.7506	2.1497	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.40 Call	5,000	1.2286	1.5037	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.50 Call	55,000	1.0765	1.3162	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.50 Put	150	2594.0765	2490.5162	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.78 Call	19,880	1.1917	1.2084	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.78 Put	3,155	2874.1917	2770.4084	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.85 Call	3,000	1.2237	1.2300	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.86 Call	30,000	1.2283	1.2332	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.00 Call	5,000	1.2960	1.2803	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.10 Call	1,400	1.3472	1.3168	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.20 Call	4,255	1.4008	1.3555	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.26 Call	2,850	1.4340	1.3798	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.73 Call	2,000	1.7259	1.5982	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	18.15 Call	1,297	0.0950	0.1302	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	18.65 Call	150	0.0310	0.0433	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	19.71 Call	3,155	0.0026	0.0037	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	12.00 Put	7,202	76.3055	63.7153	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	12.50 Put	1,125	197.3991	170.6186	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	12.60 Put	4	233.3148	0.0000	0.0000	0.0000	4	0.00
Sep 2017	ZAUS	12.80 Put	3,000	316.3676	278.3351	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.00 Call	4,351	517.8984	580.6382	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.00 Put	13,099	414.1984	369.0382	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.13 Call	250	459.6568	0.0000	0.0000	0.0000	250	0.00
Sep 2017	ZAUS	13.14 Put	90	491.8548	441.0598	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.30 Call	500	394.3612	444.8616	0.0000	0.0000	500	0.00
Sep 2017	ZAUS	13.40 Put	3,500	656.4536	595.7258	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.50 Call	5,984	328.8218	372.8106	0.0000	0.0000	4	0.00
Sep 2017	ZAUS	13.63 Call	0	292.0714	332.1587	0.0000	0.0000	500	0.00
Sep 2017	ZAUS	13.63 Put	216,962	818.3714	750.5587	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.75 Put	20,000	908.1105	836.9367	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.76 Put	960	915.7377	844.2935	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.80 Call	10,000	250.1671	285.5577	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.94 Call	800	220.3233	252.2356	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.20 Call	90	174.3903	200.6970	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.22 Put	110	1287.6069	1205.6236	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.32 Put	110	1373.0531	1289.2011	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.33 Call	3,000	155.3750	179.2417	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	14.47 Put	150	1503.0154	1417.2848	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.50 Call	17,402	132.8953	154.8617	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.55 Call	1,125	126.7691	147.9094	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.72 Call	20,000	108.0357	126.5777	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	15.00 Call	10,600	83.2354	98.1565	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.00 Call	3,680	32.9376	39.9301	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.40 Call	960	22.2944	26.3181	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.50 Call	10,000	20.2425	23.7068	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.80 Call	110	15.1957	17.3248	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	17.00 Call	650	12.5844	14.0587	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	17.03 Call	110	12.2361	13.6253	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	18.00 Call	3,099	3.4457	3.9377	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	11.75 Put	500	92.2686	84.3003	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.00 Put	400	131.6189	118.3116	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.21 Put	18,000	181.2720	161.7705	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.40 Put	114,600	235.9411	212.1519	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.50 Put	11,916	268.5998	242.4225	0.0000	0.0000	9,316	0.00
Dec 2017	ZAUS	12.65 Put	1,819	322.7469	292.8373	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.00 Put	2,580	482.5677	440.7060	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.12 Put	40,000	545.3015	500.1614	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.18 Put	16,000	578.1207	531.3587	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.21 Put	5,000	594.8833	547.3197	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.35 Put	52,000	676.4371	624.8995	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.40 Put	114,600	706.9207	653.8125	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.50 Call	9,816	565.6777	619.5390	0.0000	0.0000	9,316	0.00
Dec 2017	ZAUS	13.91 Put	34,000	1049.7858	984.0923	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Put	33,000	1115.8965	1048.0021	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Put	2,055	1507.6599	1430.1785	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	3,580	222.1304	248.1908	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	207.2091	231.7928	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.12 Call	40,000	205.9071	230.3617	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.50 Call	9,316	162.5291	0.0000	0.0000	0.0000	9,316	0.00
Dec 2017	ZAUS	16.00 Call	117,200	120.6709	135.5815	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.13 Call	18,000	70.7837	79.9971	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	67.5724	76.4703	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	36.3769	43.4458	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	3,867	525.9574	484.5058	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	729.9498	679.1555	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	8,395	391.6320	423.9247	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	354.5468	384.7834	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	298.7223	324.9259	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	750	27.8575	23.7514	0.0000	0.0000	0	0.00

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Jun 2018	ZAUS	13.05 Put	750	586.9321	546.0372	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.64 Put	70,530	912.0232	857.6447	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.38 Call	750	313.0124	335.8791	0.0000	0.0000	0	0.00		
			<u>1,661,993</u>					<u>29,806.00</u>	<u>0.00</u>	<u>34 216 600.00</u>	<u>0.00</u>
	Total		2,728,134					97,692.00	880,627,165.30	176 161 079.00	1 636 246 113 726.80

Grand Total	3,213,438					182,251.00	1 493 289 021.00	234,551,680	2,247,444,755,839.50
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