



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 04-May-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
May 2017	DAEU	Future	4	14.9228	14.6379	0.0000	0.0000	0	0.00
			<u>4</u>					<u>0.00</u>	<u>0.00</u>
		Total	4					0.00	0.00
									114,540.00
									1,469,848,583.90
									404,140.00
									1,469,848,583.90
Future									
May 2017	DAGB	Future	69	17.6088	17.3028	0.0000	0.0000	0	0.00
			<u>69</u>					<u>0.00</u>	<u>0.00</u>
		Total	69					0.00	0.00
									53,118.00
									870,851,332.10
									244,231.00
									870,851,332.10
Future									
May 2017	DAUS	Future	0	13.5595	13.3457	0.0000	0.0000	5,000	67,797,500.00
May 2017	DAUS	Future	70	13.5770	13.3571	0.0000	0.0000	0	0.00
May 2017	DAUS	Future	10	13.5862	13.3663	0.0000	0.0000	0	0.00
May 2017	DAUS	Future	1,140	13.5955	13.3755	0.0000	0.0000	0	0.00
May 2017	DAUS	Future	1,391	13.6213	13.4008	0.0000	0.0000	0	0.00
May 2017	DAUS	Future	1,200	13.6236	13.4031	0.0000	0.0000	0	0.00
Jun 2017	DAUS	Future	113	13.6885	13.4669	0.0000	0.0000	0	0.00
Jul 2017	DAUS	Future	4	13.7255	13.5032	0.0000	0.0000	0	0.00
Jul 2017	DAUS	Future	280	13.7324	13.5099	0.0000	0.0000	0	0.00
Jul 2017	DAUS	Future	70	13.7416	13.5190	0.0000	0.0000	0	0.00
Jul 2017	DAUS	Future	4,774	13.7647	13.5416	0.0000	0.0000	0	0.00
Aug 2017	DAUS	Future	70	13.7900	13.5664	0.0000	0.0000	0	0.00
Sep 2017	DAUS	Future	377	13.8973	13.6722	0.0000	0.0000	0	0.00
Oct 2017	DAUS	Future	334	13.9566	13.7308	0.0000	0.0000	0	0.00
Nov 2017	DAUS	Future	70	14.0044	13.7778	0.0000	0.0000	0	0.00
Feb 2018	DAUS	Future	70	14.2117	13.9821	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	70	14.4043	14.1717	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	14.6136	14.3808	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	14.8185	14.5854	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	15.0234	14.7900	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
			10,253					5,000.00	67,797,500.00	5,310,742.00	61,430,974,697.70
Option											
May 2017	DAUS	13.33 Call	2,500	255.2314	93.7410	0.0000	0.0000	0	0.00		
May 2017	DAUS	13.01 Call	2,500	575.8622	364.7367	0.0000	0.0000	0	0.00		
May 2017	DAUS	13.00 Put	34,000	13.0888	35.5771	0.0000	0.0000	0	0.00		
May 2017	DAUS	15.00 Call	34,000	1.1554	0.7440	0.0000	0.0000	0	0.00		
May 2017	DAUS	13.60 Call	20,000	132.9543	64.6952	0.0000	0.0000	0	0.00		
May 2017	DAUS	14.25 Call	1,250	10.3032	6.2177	0.0000	0.0000	0	0.00		
May 2017	DAUS	12.75 Put	300	6.4681	14.1923	0.0000	0.0000	0	0.00		
May 2017	DAUS	12.90 Put	100	9.8200	28.6896	0.0000	0.0000	0	0.00		
May 2017	DAUS	13.05 Put	100	23.5014	59.9892	0.0000	0.0000	0	0.00		
May 2017	DAUS	13.53 Put	20,000	150.1491	0.0000	0.0000	0.0000	20,000	0.00		
May 2017	DAUS	13.50 Put	60	168.8579	285.7246	0.0000	0.0000	0	0.00		
May 2017	DAUS	15.97 Call	60	1.9321	1.2222	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	13.50 Put	60	257.4161	362.5057	0.0000	0.0000	0	0.00		
Jun 2017	DAUS	16.24 Call	60	10.1005	7.2892	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	14.00 Call	5,000	261.6430	193.1147	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	14.07 Call	5,000	257.5955	191.8794	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	13.95 Put	1,000	533.6708	680.3978	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	17.98 Call	1,000	7.6132	5.1573	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	13.20 Put	2,000	186.6458	261.4715	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	14.30 Call	2,000	245.0424	186.9891	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	13.50 Put	60	307.7434	408.5172	0.0000	0.0000	0	0.00		
Jul 2017	DAUS	16.53 Call	60	23.6214	18.8696	0.0000	0.0000	0	0.00		
Aug 2017	DAUS	13.50 Put	60	348.6737	446.1213	0.0000	0.0000	0	0.00		
Aug 2017	DAUS	16.84 Call	60	41.1832	31.5469	0.0000	0.0000	0	0.00		
Sep 2017	DAUS	13.50 Put	60	377.7651	472.7251	0.0000	0.0000	0	0.00		
Sep 2017	DAUS	17.13 Call	60	53.0511	39.1782	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	12.92 Put	1,000	196.4703	250.9841	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	13.50 Put	60	402.8258	495.3538	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	14.10 Call	1,000	587.9628	491.2473	0.0000	0.0000	0	0.00		
Oct 2017	DAUS	17.45 Call	60	71.5400	57.1514	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	13.50 Put	60	422.9514	514.6676	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	17.74 Call	60	89.8415	76.9527	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	13.50 Put	60	438.5209	528.0262	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	18.02 Call	60	103.7322	88.8996	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.00 Put	1,000	1354.8140	1497.5506	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.81 Call	2,000	522.5916	454.4568	0.0000	0.0000	0	0.00		
			136,710					20,000.00	0.00	11,769,458.00	0.00
Total			146,963					25,000.00	67,797,500.00	17,080,200.00	61,430,974,697.70

Future

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
Jun 2017	EUUS	Future	87	1.0964	1.0932	1.0944	1.0925	75	820,400.00			
			87					75.00	820,400.00	541,944.00	6,027,286,436.00	
		Total	87					75.00	820,400.00	541,944.00	6,027,286,436.00	
Future												
Jun 2017	GBUS	Future	50	1.2932	1.2917	1.2904	1.2872	150	1,932,400.00			
			50					150.00	1,932,400.00	107,130.00	1,364,178,224.00	
		Total	50					150.00	1,932,400.00	107,130.00	1,364,178,224.00	
Future												
Jun 2017	ZAAD	Future	22,724	10.1013	10.0191	0.0000	0.0000	0	0.00			
Sep 2017	ZAAD	Future	2,005	10.2427	10.1589	10.2417	10.2035	2,000	20,429,430.00			
Dec 2017	ZAAD	Future	653	10.3838	10.2992	0.0000	0.0000	0	0.00			
			25,382					2,000.00	20,429,430.00	3,197,138.00	27,064,322,150.90	
Total			25,382					2,000.00	20,429,430.00	3,229,515.00	27,064,322,150.90	
Future												
Jun 2017	ZACR	Future	10	1.9738	1.9428	0.0000	0.0000	0	0.00			
			10					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	76,164	14.9857	14.6998	14.9699	14.8498	1,120	16,664,085.50			
		Sep 2017	ZAEU	Future	6,708	15.2880	14.9960	0.0000	0.0000	0	0.00	
		Dec 2017	ZAEU	Future	4,578	15.5961	15.2986	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	Future	2,669	15.9074	15.6038	15.8112	15.8109	500	7,905,525.00			
			90,119					1,620.00	24,569,610.50	11,382,962.00	158,545,182,797.80	
Option												
Dec 2017	ZAEU	14.00 Put	18,000	167.2247	225.6392	0.0000	0.0000	0	0.00			
Dec 2017	ZAEU	16.39 Call	18,000	496.3654	409.5998	0.0000	0.0000	0	0.00			
			36,000					0.00	0.00	4,848,181.00	0.00	
Total			126,119					1,620.00	24,569,610.50	16,231,143.00	158,545,182,797.80	
Future												
Jun 2017	ZAFR	Future	1,356	13.8282	13.6012	0.0000	0.0000	0	0.00			
			1,356					0.00	0.00	575,715.00	6,048,371,335.90	
		Total	1,356					0.00	0.00	575,715.00	6,048,371,335.90	
Future												
Jun 2017	ZAGB	Future	54,460	17.6755	17.3686	17.6015	17.5454	14,901	262,030,994.00			
Sep 2017	ZAGB	Future	1,967	17.9936	17.6815	0.0000	0.0000	0	0.00			

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	Dec 2017	ZAGB	Future	2,215	18.3143	17.9975	18.2360	18.1573	1,010	18,417,573.00		
				<u>58,642</u>					<u>15,911.00</u>	<u>280,448,567.00</u>	<u>8,108,013.00</u>	<u>134,073,475,158.70</u>
Option												
	Jun 2017	ZAGB	16.50 Call	600	1230.7150	962.8347	0.0000	0.0000	0	0.00		
	Jun 2017	ZAGB	17.50 Call	600	513.5599	367.4043	0.0000	0.0000	0	0.00		
	Jun 2017	ZAGB	19.00 Call	1,200	103.8925	70.7776	0.0000	0.0000	0	0.00		
				<u>2,400</u>					<u>0.00</u>	<u>0.00</u>	<u>1,759,213.00</u>	<u>0.00</u>
	Total			61,042					15,911.00	280,448,567.00	9,867,226.00	134,073,475,158.70
Future												
	Jun 2017	ZAJY	Future	3,315	0.1214	0.1199	0.0000	0.0000	0	0.00		
				<u>3,315</u>					<u>0.00</u>	<u>0.00</u>	<u>913,368.00</u>	<u>10,153,238,763.30</u>
	Total			3,315					0.00	0.00	913,368.00	10,153,238,763.30
Future												
	Sep 2017	ZAKS	Future	1,382	0.1315	0.1286	0.0000	0.0000	0	0.00		
				<u>1,382</u>					<u>0.00</u>	<u>0.00</u>	<u>27,127.00</u>	<u>372,831,350.00</u>
	Total			1,382					0.00	0.00	27,127.00	372,831,350.00
Future												
	Jun 2017	ZAUM	Future	498	13.6677	13.4464	0.0000	0.0000	0	0.00		
	Sep 2017	ZAUM	Future	22	13.8767	13.6520	0.0000	0.0000	0	0.00		
	Dec 2017	ZAUM	Future	43	14.0834	13.8557	0.0000	0.0000	0	0.00		
	Mar 2018	ZAUM	Future	3	14.2870	14.0561	0.0000	0.0000	0	0.00		
	Jun 2018	ZAUM	Future	47	14.4889	14.2562	0.0000	0.0000	0	0.00		
				<u>613</u>					<u>0.00</u>	<u>0.00</u>	<u>137,521.00</u>	<u>156,486,539,520.00</u>
	Total			613					0.00	0.00	142,044.00	156,486,539,520.00
Future												
	Jun 2017	ZAUS	Future	922,475	13.6677	13.4464	13.6821	13.5800	91,385	1,242,750,390.90		
	Sep 2017	ZAUS	Future	47,549	13.8767	13.6520	13.8825	13.8210	3,157	43,738,126.70		
	Dec 2017	ZAUS	Future	86,747	14.0834	13.8557	14.0530	14.0329	1,277	17,925,887.50		
	Mar 2018	ZAUS	Future	8,294	14.2870	14.0561	0.0000	0.0000	0	0.00		
	Jun 2018	ZAUS	Future	3,115	14.4889	14.2562	0.0000	0.0000	0	0.00		
				<u>1,068,180</u>					<u>95,819.00</u>	<u>1,304,414,405.10</u>	<u>140,843,701.00</u>	<u>1,621,465,033,722.30</u>
Option												
	Jun 2017	ZAUS	11.78 Put	4,500	4.6030	6.1262	0.0000	0.0000	0	0.00		
	Jun 2017	ZAUS	12.00 Put	60,150	6.3959	8.6911	0.0000	0.0000	0	0.00		
	Jun 2017	ZAUS	12.10 Put	2,000	7.4694	10.2647	0.0000	0.0000	0	0.00		
	Jun 2017	ZAUS	12.25 Put	4,500	9.4984	16.6314	0.0000	0.0000	0	0.00		
	Jun 2017	ZAUS	12.30 Put	2,000	10.3127	19.4064	0.0000	0.0000	0	0.00		

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Jun 2017	ZAUS	12.50 Put	1,000	19.3192	34.8362	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.65 Call	3,000	1047.6368	848.6627	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.71 Put	17,600	35.3939	60.9918	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.76 Call	50	948.2582	755.5378	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.80 Put	4,000	45.1290	76.2651	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.90 Put	3,500	58.4473	99.3670	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	12.92 Call	33,000	809.1622	630.9280	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.00 Call	1,578	743.6736	573.4509	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.00 Put	88,455	75.9736	127.0509	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.25 Put	100	140.8482	218.0280	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.27 Call	3,000	544.9941	403.1045	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.30 Put	1,638	157.3296	240.1095	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.34 Call	4,000	499.1062	365.1181	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.39 Call	4,000	467.8340	339.5529	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.45 Call	3,000	431.9870	310.5827	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.50 Call	4,750	403.5243	289.4756	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.50 Put	100	235.8243	343.0756	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.69 Put	250	330.6826	463.7968	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.70 Call	500	304.1439	216.9987	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.80 Call	1,500	264.4285	187.2647	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.83 Put	2,280	415.7281	562.7059	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	13.87 Put	30,000	441.6883	592.3422	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.00 Call	1,100	198.4394	138.8320	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.00 Put	3,800	530.7394	692.4320	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.04 Call	37	187.1894	130.6983	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.11 Put	2,850	611.2123	781.1183	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.13 Put	17,600	626.3041	797.5258	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.18 Put	1,400	664.6164	839.0020	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.23 Put	2,000	703.7236	881.0932	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.25 Call	100	137.2771	94.4928	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.26 Call	3,156	135.2479	93.0265	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.33 Put	3,000	784.1348	966.9687	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.40 Call	1,000	109.5396	74.6963	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.50 Call	99,678	93.9407	63.8369	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.75 Call	2,000	63.8426	43.1276	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	14.89 Put	1,297	1273.7127	1478.0376	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.00 Call	763	43.3862	28.7793	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.10 Call	1,000	36.9587	24.4538	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.15 Call	1,000	34.1117	22.5452	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.40 Call	5,000	22.8696	15.0528	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.50 Call	55,000	19.5059	12.8255	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.50 Put	150	1851.8059	2066.4255	0.0000	0.0000	0	0.00

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Jun 2017	ZAUS	15.78 Call	19,880	12.5465	8.2393	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.78 Put	3,155	2124.8465	2341.8393	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.85 Call	3,000	11.2497	7.3880	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	15.86 Call	30,000	11.0762	7.2740	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.00 Call	5,000	8.9214	5.8616	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.10 Call	1,400	7.6554	5.0331	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.20 Call	4,255	6.5783	4.5820	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.26 Call	2,850	6.0105	4.4840	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	16.73 Call	2,000	4.3664	3.9295	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	18.15 Call	1,297	1.9136	1.1926	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	18.65 Call	150	0.8194	0.4967	0.0000	0.0000	0	0.00
Jun 2017	ZAUS	19.71 Call	3,155	0.1220	0.0699	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	12.00 Put	7,202	40.1503	52.0679	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	12.50 Put	1,125	80.5662	112.2414	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	12.80 Put	3,000	136.4148	183.1027	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.00 Call	7,202	1063.0536	897.5588	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.00 Put	3,099	186.3536	245.5588	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.14 Put	90	227.9738	298.8008	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.40 Put	3,500	325.8344	414.4914	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.50 Call	5,980	745.9405	616.7014	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.63 Call	250	677.0419	556.5589	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.63 Put	226,450	430.3419	534.5589	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.75 Put	20,000	491.3450	605.1318	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	13.76 Put	960	496.6251	611.2274	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.20 Call	90	439.1193	357.2050	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.22 Put	110	775.7772	919.6616	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.32 Put	110	844.0148	993.2239	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.33 Call	3,000	397.6656	322.6939	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.47 Put	150	950.6223	1107.5815	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.50 Call	7,402	349.2223	282.9662	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.55 Call	1,125	336.1315	272.2953	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	14.72 Call	20,000	295.6439	239.0934	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	15.00 Call	600	239.7316	193.5603	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.00 Call	3,680	111.5058	87.8187	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.40 Call	960	82.5369	64.8479	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	16.80 Call	110	58.6872	42.2912	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	17.00 Call	650	48.2002	33.9097	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	17.03 Call	110	46.7860	32.7916	0.0000	0.0000	0	0.00
Sep 2017	ZAUS	18.00 Call	3,099	17.3345	10.5621	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	11.75 Put	500	43.6614	58.6005	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.00 Put	400	65.6533	85.3853	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.21 Put	18,000	90.1563	114.5959	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 2017	ZAUS	12.40 Put	114,600	117.8998	147.1348	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.50 Put	2,600	134.8658	167.9679	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.65 Put	1,819	163.6350	204.9093	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.00 Put	2,580	253.6127	311.4451	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.12 Put	40,000	291.1536	354.7935	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.18 Put	16,000	311.1973	378.5572	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.35 Put	52,000	372.6609	453.2002	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.40 Put	114,600	392.0656	476.5755	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.50 Call	500	1018.7826	880.9261	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.91 Put	34,000	639.0836	750.4219	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.00 Put	33,000	689.1614	805.4126	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.50 Put	2,055	1000.7383	1140.6281	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	15.00 Call	3,580	443.3971	376.1351	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	15.11 Call	1,900	417.9084	354.3460	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	15.12 Call	40,000	415.6745	352.4378	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	16.00 Call	117,200	257.1854	214.4798	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	17.13 Call	34,000	143.0014	121.7971	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	17.17 Call	16,000	140.5174	119.7286	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	17.20 Call	16,000	138.6940	118.2105	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	17.24 Call	33,000	136.3122	116.2255	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	18.06 Call	2,055	97.8008	82.5668	0.0000	0.0000	0	0.00		
Mar 2018	ZAUS	13.00 Put	3,867	299.7293	354.9119	0.0000	0.0000	0	0.00		
Mar 2018	ZAUS	14.91 Call	8,395	668.8410	581.8215	0.0000	0.0000	0	0.00		
Mar 2018	ZAUS	15.46 Call	3,867	525.9809	456.9116	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.00 Put	750	26.4065	24.4111	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.05 Put	750	359.7572	417.0172	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.64 Put	70,530	583.7737	665.6620	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.38 Call	750	514.7734	454.2670	0.0000	0.0000	0	0.00		
			<u>1,663,876</u>					<u>0.00</u>	<u>0.00</u>	<u>33,813,681.00</u>	<u>0.00</u>
	Total		2,732,056					95,819.00	1,304,414,405.10	174,657,382.00	1,621,465,033,722.30
	Grand Total		3,098,448					140,575.00	1,700,412,312.60	232,458,108	2,228,460,691,017.50