



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 30-April-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Apr 2018	DAEU	Future	0	15.0149	15.0618	0.0000	0.0000	16	240,238.40
May 2018	DAEU	Future	41	15.1451	15.1234	0.0000	0.0000	0	0.00
			<u>41</u>					<u>16.00</u>	<u>240,238.40</u>
		Total	41					16.00	240,238.40
									790 899.00
									11 804 604 189.10
Future									
Apr 2018	DAGB	Future	0	17.0897	17.3386	0.0000	0.0000	9	153,807.30
May 2018	DAGB	Future	11	17.2279	17.3765	0.0000	0.0000	0	0.00
			<u>11</u>					<u>9.00</u>	<u>153,807.30</u>
		Total	11					9.00	153,807.30
									53 733.00
									881 578 220.30
Future									
Apr 2018	DAUS	Future	0	12.4425	12.4327	0.0000	0.0000	1,271	15,814,417.50
May 2018	DAUS	Future	46,000	12.4929	12.4417	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	70	12.4997	12.4479	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	46,000	12.5152	12.4635	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	34,600	12.5168	12.4650	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	20,000	12.5215	12.4697	0.0000	0.0000	20,000	249,274,000.00
May 2018	DAUS	Future	13,000	12.5277	12.4759	0.0000	0.0000	13,000	162,715,800.00
May 2018	DAUS	Future	181	12.5308	12.4790	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,746	12.5434	12.4915	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	9,546	12.5625	12.5105	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,790	12.5768	12.5247	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	12.5816	12.5295	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	12.6097	12.5574	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	12.6160	12.5636	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	12.6175	12.5652	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,345	12.6206	12.5683	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,515	12.6269	12.5745	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	12.6472	12.5947	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>		
Aug 2018	DAUS	Future	2,879	12.6753	12.6226	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	1,295	12.7191	12.6660	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	12.7613	12.7078	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	12.7675	12.7140	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	1,643	12.7707	12.7171	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	12.7907	12.7370	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	1,212	12.8168	12.7629	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	12.9118	12.8574	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	12.9314	12.8769	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	1,225	12.9539	12.8992	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	12.9945	12.9393	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,225	13.0455	12.9899	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	13.7714	13.7206	0.0000	0.0000	0	0.00		
			<u>278,886</u>					<u>34,271.00</u>	<u>427,804,217.50</u>	<u>9 662 201.00</u>	<u>117 208 223 882.20</u>

Option

May 2018	DAUS	11.50 Put	2,000	0.0000	0.1799	0.0000	0.0000	0	0.00
May 2018	DAUS	11.80 Call	2,000	684.7020	632.5282	0.0000	0.0000	0	0.00
May 2018	DAUS	12.50 Call	2,000	42.2664	61.1901	0.0000	0.0000	0	0.00
May 2018	DAUS	12.25 Call	20,000	248.3470	227.0543	0.0000	0.0000	0	0.00
May 2018	DAUS	12.40 Call	35,311	126.0414	124.7650	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Call	100,000	496.0433	453.7956	0.0000	0.0000	0	0.00
May 2018	DAUS	12.10 Call	100,000	399.5919	363.5771	0.0000	0.0000	0	0.00
May 2018	DAUS	12.74 Put	1,880	273.0836	333.4628	0.0000	0.0000	0	0.00
May 2018	DAUS	13.86 Put	1,880	1363.5831	1415.7254	0.0000	0.0000	0	0.00
May 2018	DAUS	15.63 Call	1,880	0.1169	0.0000	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Put	11,000	289.5527	351.7160	0.0000	0.0000	0	0.00
May 2018	DAUS	14.50 Put	11,000	1995.7589	2047.5490	0.0000	0.0000	0	0.00
May 2018	DAUS	15.76 Call	11,000	0.1630	0.1335	0.0000	0.0000	0	0.00
May 2018	DAUS	10.90 Put	1,000	0.0004	0.1883	0.0000	0.0000	0	0.00
May 2018	DAUS	11.70 Put	1,000	1.2390	3.5539	0.0000	0.0000	0	0.00
May 2018	DAUS	12.20 Call	1,000	335.2976	308.8542	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Put	51,000	10.2259	20.7411	0.0000	0.0000	0	0.00
May 2018	DAUS	11.95 Call	30,000	572.8405	529.4742	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Call	30,000	528.1524	489.1346	0.0000	0.0000	0	0.00
May 2018	DAUS	12.37 Call	30,000	246.2382	237.8050	0.0000	0.0000	0	0.00
May 2018	DAUS	12.45 Call	40,000	214.9130	209.7507	0.0000	0.0000	0	0.00
May 2018	DAUS	12.46 Call	30,000	209.5821	204.9132	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1273.3314	1327.7572	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.2196	0.3826	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	0.2101	0.3855	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	117.2887	121.0193	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1252.2385	1307.2656	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>
Jun 2018	DAUS	15.62 Call	500	1.6030	2.2233	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	1.5968	2.0935	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	74.8287	102.4400	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	51.3784	55.1017	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	41.2202	44.7213	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1853.2156	1908.7573	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	3.2648	3.7146	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1239.6024	1295.3336	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	4.0879	4.8292	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	2.7041	2.7719	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	188.7435	225.9692	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1292.4785	1348.0695	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	3.2805	3.8220	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	1234.2548	1289.8341	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	6.3510	6.8639	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	2.8125	3.0502	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	1230.4842	1285.7788	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	7.2313	9.1368	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	2.8188	3.9732	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	1226.6520	1281.9655	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	18.8379	22.9702	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	10.1358	12.4721	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	127.9576	151.6871	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	1276.0868	1331.8276	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	14.5198	17.7358	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	19.2079	24.0527	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	86.0805	104.4721	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	355.5422	352.5833	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	1226.6580	1280.8001	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	29.3685	31.6397	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	15.6681	17.2479	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	1106.8867	1159.7860	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	64.2775	66.8248	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	1225.1282	1278.4125	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	36.1958	37.8156	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	19.7655	20.9696	0.0000	0.0000	0	0.00
			<u>742,977</u>					<i>0.00</i>	<i>0.00</i>
			Total	1,021,863				34,271.00	427,804,217.50
								28 073 906.00	117 208 223 882.20

Option

May 2018	DAYJ	8.94 Call	100,000	66.5225	188.3344	0.0000	0.0000	0	0.00
Jun 2018	DAYJ	8.34 Put	110,000	928.9023	815.7807	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
			210,000					0.00	0.00	200 000.00	0.00	
		Total	210,000					0.00	0.00	200 000.00	0.00	
Future												
	Jun 2018	EUUS	Future	60	1.2122	1.2155	1.2163	1.2157	40	486,400.00		
				60					40.00	486,400.00	703 878.00	7 970 426 562.00
		Total	60					40.00	486,400.00	703 878.00	7 970 426 562.00	
Future												
	Sep 2018	JYZA	Future	283	8.5315	8.5583	0.0000	0.0000	0	0.00		
				283					0.00	0.00	18 783.00	186 145 988.86
Option												
	Jun 2018	JYZA	8.89 Put	1,200	2978.3613	2736.5394	0.0000	0.0000	0	0.00		
				1,200					0.00	0.00	25 800.00	0.00
		Total	1,483					0.00	0.00	44 583.00	186 145 988.86	
Future												
	Jun 2018	ZAAD	Future	13,777	9.4787	9.4534	9.4050	9.4050	10	94,050.00		
	Sep 2018	ZAAD	Future	850	9.5928	9.5666	0.0000	0.0000	0	0.00		
	Dec 2018	ZAAD	Future	11,312	9.7050	9.6776	0.0000	0.0000	0	0.00		
				25,939					10.00	94,050.00	3 613 547.00	31 291 954 667.50
		Total	25,939					10.00	94,050.00	3 645 924.00	31 291 954 667.50	
Future												
	Jun 2018	ZACA	Future	1,500	9.8108	9.7293	9.8000	9.8000	10	98,000.00		
				1,500					10.00	98,000.00	131 193.00	1 288 920 267.10
		Total	1,500					10.00	98,000.00	131 193.00	1 288 920 267.10	
Future												
	Jun 2018	ZAEU	Future	116,197	15.2240	15.2028	15.2272	15.1671	3,005	45,617,164.00		
	Sep 2018	ZAEU	Future	57,507	15.5091	15.4872	15.4705	15.4072	525	8,113,255.00		
	Dec 2018	ZAEU	Future	7,625	15.7944	15.7698	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	Future	4,686	16.1074	16.0846	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	Future	5,256	16.3725	16.3490	0.0000	0.0000	0	0.00		
				191,271					3,530.00	53,730,419.00	14 489 124.00	206 278 713 362.80
Option												
	Jun 2018	ZAEU	13.50 Put	29,734	2.9523	4.1151	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	13.75 Put	50,995	5.7870	7.9082	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	13.97 Put	6,460	8.8532	12.7966	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	14.25 Put	29,734	15.7741	23.8908	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	14.30 Call	10,000	941.5692	929.5394	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Jun 2018	ZAEU	14.40 Call	10,000	845.8906	836.3243	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.00 Call	3,000	378.7058	387.2571	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.25 Put	50,995	274.4112	308.1635	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.63 Call	29,734	125.7766	138.9260	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.00 Call	3,000	61.6355	72.2468	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.44 Put	6,460	1237.9223	1267.1317	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	6,460	1.3685	1.7544	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	50,995	0.4919	0.5659	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	13.50 Put	29,734	12.0350	15.9995	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	86,824	47.1883	58.9927	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	683.0063	715.0924	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	147.2271	156.0260	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	13.7428	15.5489	0.0000	0.0000	0	0.00	
			<u>607,507</u>					<u>0.00</u>	<u>0.00</u>	<u>7 917 269.00</u>
	Total		798,778					3,530.00	53,730,419.00	22 406 393.00
										206 278 713 362.80
Future										
Jun 2018	ZAFR	Future	1,215	12.7385	12.7161	0.0000	0.0000	0	0.00	
			<u>1,215</u>					<u>0.00</u>	<u>0.00</u>	<u>609 303.00</u>
	Total		1,215					0.00	0.00	6 506 705 521.30
										609 303.00
										6 506 705 521.30
Future										
Jun 2018	ZAGB	Future	446,943	17.3310	17.4769	17.2905	17.1480	512	8,804,352.90	
Sep 2018	ZAGB	Future	18,494	17.6050	17.7501	0.0000	0.0000	0	0.00	
Dec 2018	ZAGB	Future	6,227	17.8729	18.0158	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	Future	4,932	18.1602	18.3034	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,465	18.4275	18.5718	0.0000	0.0000	0	0.00	
			<u>482,061</u>					<u>512.00</u>	<u>8,804,352.90</u>	<u>10 743 065.00</u>
	Total		483,061					512.00	8,804,352.90	12 517 178.00
										179 916 977 807.00
Option										
Jun 2018	ZAGB	17.50 Put	500	438.9589	384.7152	0.0000	0.0000	0	0.00	
Jun 2018	ZAGB	20.40 Call	500	3.2883	6.4738	0.0000	0.0000	0	0.00	
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 774 113.00</u>
	Total		483,061					512.00	8,804,352.90	12 517 178.00
										179 916 977 807.00
Future										
Jun 2018	ZAJY	Future	8,296	0.1151	0.1148	0.0000	0.0000	0	0.00	
			<u>8,296</u>					<u>0.00</u>	<u>0.00</u>	<u>978 643.00</u>
	Total		8,296					0.00	0.00	10 906 872 238.10
										978 643.00
										10 906 872 238.10
Future										
Jun 2018	ZAKS	Future	1,145	0.1241	0.1236	0.0000	0.0000	0	0.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Sep 2018	ZAKS	Future	562	0.1232	0.1228	0.0000	0.0000	0	0.00	
			<u>1,707</u>					<u>0.00</u>	<u>0.00</u>	<u>31 923.00</u>
		Total	1,707					0.00	0.00	31 923.00
Future										
Jun 2018	ZATR	Future	3,940	3.0447	3.0198	0.0000	0.0000	8,620	26,241,866.00	
			<u>3,940</u>					<u>8,620.00</u>	<u>26,241,866.00</u>	<u>258 929.00</u>
		Total	3,940					8,620.00	26,241,866.00	258 929.00
Future										
Jun 2018	ZAUM	Future	390	12.5593	12.5074	12.5023	12.4972	7	8,749,060.00	
Sep 2018	ZAUM	Future	52	12.7019	12.6489	0.0000	0.0000	0	0.00	
Dec 2018	ZAUM	Future	10	12.8382	12.7842	0.0000	0.0000	0	0.00	
			<u>452</u>					<u>7.00</u>	<u>8,749,060.00</u>	<u>149 526.00</u>
		Total	452					7.00	8,749,060.00	154 049.00
Future										
Jun 2018	ZAUS	Future	1,140,683	12.5593	12.5074	12.5615	12.4342	81,973	1,023,195,121.50	
Sep 2018	ZAUS	Future	85,562	12.7019	12.6489	0.0000	0.0000	440	5,580,960.00	
Dec 2018	ZAUS	Future	23,476	12.8382	12.7842	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	Future	3,498	12.9809	12.9259	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	Future	3,087	13.1144	13.0590	0.0000	0.0000	0	0.00	
			<u>1,256,306</u>					<u>82,413.00</u>	<u>1,028,776,081.50</u>	<u>172 298 624.00</u>
										<u>2 031 309 037 560.20</u>
Option										
Jun 2018	ZAUS	11.00 Put	60,750	1.3576	2.3058	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.20 Put	2,550	2.7660	4.3932	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.35 Call	10,000	1213.9029	1164.7173	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.45 Call	10,000	1115.6225	1067.7057	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.50 Put	40,216	7.4077	12.1918	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.60 Put	12,000	10.1602	16.9518	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.70 Call	30	873.2139	830.7554	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.75 Put	60,000	16.2703	27.3166	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.77 Put	76,000	17.3180	29.0632	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.80 Put	5,500	19.0141	31.8714	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.90 Put	9,500	25.9141	43.0575	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.00 Call	3,000	599.4091	569.4764	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.00 Put	29,050	40.1091	62.0764	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.06 Put	150	51.0354	76.0507	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.12 Put	372	63.9912	92.1037	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.14 Put	155,500	68.7879	97.9364	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.15 Call	500	480.5791	458.3442	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>
Jun 2018	ZAUS	12.15 Put	1,000	71.2791	100.9442	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.23 Call	3,000	422.8210	404.6743	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Call	40,000	409.0419	391.8963	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	12,415	99.7419	134.4963	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Call	4,000	375.7915	361.0889	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	116.4915	153.6889	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	15,103	155.2397	196.9987	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.45 Call	150	286.5778	278.5164	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Call	2,550	260.3930	254.2578	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	114,600	201.0930	246.8578	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	351.2607	404.8412	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	506.2139	562.1108	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Call	15,500	97.2965	101.5083	0.0000	0.0000	10,000	0.00
Jun 2018	ZAUS	13.00 Put	21,728	537.9965	594.1083	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	578.5935	634.8945	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	679.5123	735.8896	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	705.4232	761.6599	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	792.9623	849.2041	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	46.9438	51.2276	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	937.7520	993.7118	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	956.1911	1012.0982	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	974.6960	1030.5489	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1105.8612	1161.2836	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1210.5844	1265.6400	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1258.5751	1313.2378	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1268.1602	1322.7873	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1287.3572	1341.9149	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1296.9694	1351.4925	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1354.8220	1409.1407	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	11.1458	13.2415	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1451.8458	1505.8415	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1549.4911	1603.1914	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1696.8559	1750.1695	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	3.1718	4.0427	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	2.0786	2.7064	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	1.6468	2.1682	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	0.9520	1.4081	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	0.9543	1.4040	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	0.9616	1.3951	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	0.9705	1.3890	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.9881	1.3846	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.9992	1.3847	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>
Jun 2018	ZAUS	15.53 Call	965	1.0042	1.3852	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	1.0554	1.4017	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	1.1499	1.4557	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	1.0050	1.1278	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.9424	1.0597	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.7930	0.8968	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.7430	0.8421	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.5591	0.6396	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.3060	0.3572	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.2552	0.2997	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.1574	0.1880	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.1058	0.1281	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	32.8525	44.3225	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	34.8411	46.7767	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	46.2258	60.6241	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	73,314	68.3473	86.8261	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	86.9169	108.3148	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	97.4568	120.3579	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	121.2061	147.1696	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	652.2374	633.3337	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	20,000	200.3374	234.4337	0.0000	0.0000	10,000	0.00
Sep 2018	ZAUS	12.30 Put	100	219.4395	254.9588	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	252.2182	289.9299	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	508.3709	496.1559	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	4,000	306.4709	347.2559	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	5,300	361.4763	404.8173	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	382.6982	426.9065	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.68 Put	250	399.0351	444.5058	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	383.6836	378.1838	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	372.1054	367.0838	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	501.6418	550.3703	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	20,000	303.0618	0.0000	0.0000	0.0000	30,000	0.00
Sep 2018	ZAUS	13.20 Call	4,000	246.7091	246.1915	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	234.3641	234.2056	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	782.4641	835.3056	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	222.6586	222.8193	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	181.0831	182.3554	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	155.1692	157.1084	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	9.7443	10.3204	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	8.6990	9.2252	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	7.3840	7.8440	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	5.7513	6.1249	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	11.64 Put	2,764	93.8062	112.0761	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.50 Call	150	704.7901	689.6110	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	12.50 Put	100	366.5901	405.4110	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.00 Call	6,000	481.2765	474.7182	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.20 Call	7,100	413.8282	409.3213	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	13.80 Call	2,764	264.8476	264.5394	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	14.89 Call	1,000	117.2094	118.9227	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	15.00 Call	1,000	108.0175	109.8003	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	15.95 Call	2,000	56.4878	59.1918	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	10.33 Put	1,000	9.8777	11.1118	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	11.74 Put	1,000	154.7418	176.8870	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.06 Put	4,145	241.5437	269.8042	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.76 Put	250	538.9416	580.5637	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	13.45 Call	4,145	498.8008	492.8866	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	14.48 Call	1,000	273.9183	272.1725	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	15.20 Call	1,000	177.8701	178.1977	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	78.8568	79.9405	0.0000	0.0000	0	0.00	
			<u>1,852,376</u>					<u>50,000.00</u>	<u>0.00</u>	<u>47 713 257.00</u>
		Total	3,108,682					132,413.00	1,028,776,081.50	220 011 881.00
										2 031 309 037 560.20
Grand Total			5,667,028					179,438.00	1 555 178 492.60	300,361,001
										2,823,932,944,593.78