



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 12-April-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Apr 2019	DAEU	Future	4	15.7847	15.7873	0.0000	0.0000	0	0.00
Apr 2019	DAEU	Future	1	15.8195	15.8220	0.0000	0.0000	0	0.00
May 2019	DAEU	Future	2	15.9310	15.9336	0.0000	0.0000	0	0.00
			<u>7</u>					<u>0.00</u>	<u>0.00</u>
									<u>816 220.00</u>
									<u>12 205 961 055.20</u>
Option									
Feb 2020	DAEU	16.65 Call	21,000	936.8302	940.3724	0.0000	0.0000	0	0.00
Feb 2020	DAEU	16.91 Call	15,000	832.2968	835.5878	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.00 Call	15,000	799.0783	802.2981	0.0000	0.0000	0	0.00
Feb 2020	DAEU	17.07 Call	15,000	774.2054	777.3650	0.0000	0.0000	0	0.00
			<u>66,000</u>					<u>0.00</u>	<u>0.00</u>
									<u>1 812 387.00</u>
									<u>0.00</u>
		Total	66,007					0.00	0.00
									2 628 607.00
									12 205 961 055.20
Future									
Apr 2019	DAGB	Future	43	18.2725	18.3253	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	120	18.3060	18.3587	0.0000	0.0000	0	0.00
Apr 2019	DAGB	Future	27	18.3152	18.3678	0.0000	0.0000	0	0.00
May 2019	DAGB	Future	91	18.4132	18.4661	0.0000	0.0000	0	0.00
Jun 2019	DAGB	Future	32	18.4997	18.4970	0.0000	0.0000	32	591,904.00
			<u>313</u>					<u>32.00</u>	<u>591,904.00</u>
									<u>67 236.00</u>
									<u>1 128 408 721.20</u>
		Total	313					32.00	591,904.00
									274 549.00
									1 128 408 721.20
Future									
Apr 2019	DAUS	Future	1,883	13.9472	13.9982	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	349	13.9650	14.0159	0.0000	0.0000	29	405,478.00
Apr 2019	DAUS	Future	15	13.9699	14.0207	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	4,563	13.9715	14.0223	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	32,500	13.9829	14.0338	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	25,000	13.9862	14.0371	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	93	13.9927	14.0437	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	2	13.9959	14.0470	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>		
May 2019	DAUS	Future	387	14.0188	14.0701	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	91	14.0221	14.0734	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.0286	14.0800	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	2,381	14.0680	14.1196	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.0729	14.1246	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	982	14.1229	14.1751	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.1246	14.1768	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	2,216	14.1736	14.2259	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.1787	14.2310	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.1820	14.2344	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	3,757	14.1973	14.2496	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	98	14.2263	14.2784	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.2297	14.2818	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	153	14.2792	14.3311	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	Future	97	14.3291	14.3814	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.3343	14.3866	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.3377	14.3901	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	45	14.3840	14.4371	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.3874	14.4406	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.4376	14.4912	0.0000	0.0000	0	0.00		
Feb 2020	DAUS	Future	3,500	14.4859	14.5399	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.4910	14.5450	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.5449	14.6001	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.5960	14.6501	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.6633	14.7140	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.7703	14.8204	0.0000	0.0000	0	0.00		
			<u>164,186</u>					<u>29.00</u>	<u>405,478.00</u>	<u>12 094 605.00</u>	<u>150 789 050 881.30</u>
Option											
Apr 2019	DAUS	14.40 Call	20,000	8.2580	12.4274	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.44 Call	60,000	6.9230	10.2006	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.45 Call	40,000	6.6299	9.7129	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Call	25,000	46.7464	61.2333	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.50 Call	50,000	13.1874	17.5439	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.55 Call	25,000	10.6680	14.1546	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	2.1426	2.2225	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	506.6590	553.5308	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.95 Put	734	156.5777	140.3495	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Call	734	89.0620	110.1474	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Put	250	317.5620	287.8474	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.25 Put	250	355.4546	323.7215	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.45 Call	734	42.2046	54.4865	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	12.5535	17.0659	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>
Apr 2019	DAUS	15.61 Call	250	1.1516	1.5979	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	0.3990	0.5537	0.0000	0.0000	0	0.00
May 2019	DAUS	13.75 Put	22,000	103.8521	93.7023	0.0000	0.0000	0	0.00
May 2019	DAUS	13.95 Call	20,000	226.3116	258.8941	0.0000	0.0000	0	0.00
May 2019	DAUS	14.03 Call	65,000	191.2620	220.0351	0.0000	0.0000	1,500	0.00
May 2019	DAUS	13.72 Call	50,000	369.9552	411.0621	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	145.3983	167.8431	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	179.9384	200.3984	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	32.1519	36.6523	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	20.2015	23.5166	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	21.9180	20.2496	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	415.1569	386.3773	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	448.6912	418.5936	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	72.0257	79.7362	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	19.7715	22.7767	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	9.9506	11.5100	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	228.3865	211.4494	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	344.8280	321.0287	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	399.3575	372.1825	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	18,000	464.1618	434.4877	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	36.2649	33.2425	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	355.5644	334.3899	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	462.0494	435.2399	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	494.1031	466.1656	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	110.4486	119.3085	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	92.4533	99.7502	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	43.0542	47.5559	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	27.6553	30.8472	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	64.0047	62.9957	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	507.1564	481.0673	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	538.0797	511.0191	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	153.4188	163.1773	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	74.8532	79.9248	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	54.7068	58.4506	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	702.8360	672.0225	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	77.5095	82.0005	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	88.7223	86.8197	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	541.2392	516.3441	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	571.3683	544.6590	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	184.7632	194.4318	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	100.2135	105.5402	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	76.8651	80.8526	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Sep 2019	DAUS	19.00 Call	20,000	20.1587	22.2104	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	111.7466	109.1961	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	569.2743	545.1145	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	598.1381	573.0108	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	215.4870	225.0289	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	125.5081	130.8245	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	98.6011	102.5826	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	134.2131	131.1742	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	597.2263	573.9117	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	625.7480	601.5309	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	241.8018	251.6667	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	149.1575	154.9133	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	120.5856	125.0470	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	153.4669	149.9794	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	620.1239	597.1825	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	648.3848	624.6094	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	267.6188	277.6826	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	171.9164	177.8991	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	143.1987	146.7537	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	173.1293	169.0421	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	641.5980	618.8665	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	669.5864	646.0682	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	292.2625	302.6981	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	195.6707	201.9302	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	169.0910	172.8507	0.0000	0.0000	0	0.00		
			<u>757,496</u>					<u>1,500.00</u>	<u>0.00</u>	<u>24 689 994.00</u>	<u>0.00</u>
Total			921,682					1,529.00	405,478.00	36 784 599.00	150 789 050 881.30
Future											
Jun 2019	EUUS	Future	5	1.1375	1.1335	0.0000	0.0000	0	0.00		
Sep 2019	EUUS	Future	143	1.1464	1.1424	0.0000	0.0000	0	0.00		
			<u>148</u>					<u>0.00</u>	<u>0.00</u>	<u>746 137.00</u>	<u>8 464 558 774.00</u>
Total			148					0.00	0.00	746 137.00	8 464 558 774.00
Future											
Jun 2019	GBUS	Future	350	1.3141	1.3130	0.0000	0.0000	0	0.00		
			<u>350</u>					<u>0.00</u>	<u>0.00</u>	<u>176 520.00</u>	<u>2 273 259 237.00</u>
Total			350					0.00	0.00	176 520.00	2 273 259 237.00
Future											
Jun 2019	ZAAD	Future	26,777	10.0943	10.0772	10.1103	10.1007	251	2,535,285.30		
Sep 2019	ZAAD	Future	1,731	10.2265	10.2097	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
	Dec 2019	ZAAD	Future	400	10.3545	10.3382	0.0000	0.0000	0	0.00		
				<u>28,908</u>					<u>251.00</u>	<u>2,535,285.30</u>	<u>3 887 460.00</u>	<u>34 116 547 028.40</u>
Option												
	Dec 2019	ZAAD	11.00 Call	1,000	197.0870	194.6457	0.0000	0.0000	0	0.00		
				<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	<u>34 377.00</u>	<u>0.00</u>
			Total	29,908					251.00	2,535,285.30	3 921 837.00	34 116 547 028.40
Future												
	Jun 2019	ZACA	Future	2,200	10.5513	10.5596	0.0000	0.0000	0	0.00		
	Sep 2019	ZACA	Future	1,165	10.6926	10.7013	0.0000	0.0000	0	0.00		
				<u>3,365</u>					<u>0.00</u>	<u>0.00</u>	<u>158 248.00</u>	<u>1 577 210 800.10</u>
			Total	3,365					0.00	0.00	158 248.00	1 577 210 800.10
Future												
	Jun 2019	ZADK	Future	235	2.1411	2.1414	0.0000	0.0000	0	0.00		
				<u>235</u>					<u>0.00</u>	<u>0.00</u>	<u>14 810.00</u>	<u>319 921 189.00</u>
			Total	235					0.00	0.00	14 810.00	319 921 189.00
Future												
	Jun 2019	ZAEU	Future	121,702	15.9757	15.9784	15.9700	15.9700	12,005	192,478,650.00		
	Sep 2019	ZAEU	Future	42,882	16.2821	16.2847	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	Future	32,686	16.5741	16.5766	0.0000	0.0000	0	0.00		
	Mar 2020	ZAEU	Future	4,361	16.8942	16.8961	0.0000	0.0000	0	0.00		
				<u>201,631</u>					<u>12,005.00</u>	<u>192,478,650.00</u>	<u>16 712 843.00</u>	<u>242 510 476 280.10</u>
Option												
	Jun 2019	ZAEU	15.35 Put	570	111.4485	113.8297	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.64 Call	300	161.2541	164.5155	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	16.73 Put	500	898.5754	898.8838	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	15.62 Put	14,429	280.9516	283.3787	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	15.85 Put	587	375.2779	377.5112	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	18.27 Call	14,429	150.0983	151.2446	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	13.73 Put	17,150	36.8180	37.1402	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	14.09 Put	136,646	56.7216	57.3961	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	14.23 Put	61,500	66.7027	67.5573	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	15.70 Put	136,646	349.7406	351.9519	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	15.85 Put	61,500	408.2867	410.4479	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	16.15 Put	17,150	545.3311	547.2701	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	19.79 Call	136,646	161.4041	162.4552	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	19.80 Call	61,500	160.7046	161.7501	0.0000	0.0000	0	0.00		
	Dec 2019	ZAEU	20.62 Call	17,150	128.4236	129.3278	0.0000	0.0000	0	0.00		
				<u>676,703</u>					<u>0.00</u>	<u>0.00</u>	<u>12 048 500.00</u>	<u>0.00</u>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
Total			878,334					12,005.00	192,478,650.00	28 761 343.00	242 510 476 280.10	
Future												
	Jun 2019	ZAFR	Future	1,093	14.1146	14.1463	0.0000	0.0000	0	0.00		
	Sep 2019	ZAFR	Future	300	14.3995	14.4317	0.0000	0.0000	0	0.00		
				<u>1,393</u>					<u>0.00</u>	<u>0.00</u>	633 002.00	6 847 394 595.90
	Total			1,393					0.00	0.00	633 002.00	6 847 394 595.90
Future												
	Jun 2019	ZAGB	Future	119,144	18.4562	18.5091	18.4770	18.4200	7,616	140,783,479.60		
	Sep 2019	ZAGB	Future	22,418	18.7479	18.8021	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	Future	12,845	19.0231	19.0771	0.0000	0.0000	0	0.00		
	Mar 2020	ZAGB	Future	4,674	19.3192	19.3749	0.0000	0.0000	0	0.00		
				<u>159,081</u>					<u>7,616.00</u>	<u>140,783,479.60</u>	14 695 485.00	252 750 718 904.20
Option												
	Jun 2019	ZAGB	18.00 Call	1,000	681.5144	724.3677	0.0000	0.0000	0	0.00		
	Sep 2019	ZAGB	19.15 Put	500	937.1747	902.9582	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	18.75 Put	500	753.0715	731.8413	0.0000	0.0000	0	0.00		
	Dec 2019	ZAGB	22.13 Call	500	198.5562	200.8207	0.0000	0.0000	0	0.00		
				<u>2,500</u>					<u>0.00</u>	<u>0.00</u>	1 790 813.00	0.00
	Total			161,581					7,616.00	140,783,479.60	16 486 298.00	252 750 718 904.20
Future												
	Jun 2019	ZAKS	Future	2,166	0.1375	0.1384	0.0000	0.0000	0	0.00		
				<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	38 066.00	515 662 000.00
	Total			2,166					0.00	0.00	38 066.00	515 662 000.00
Future												
	Sep 2019	ZANZ	Future	646	9.6426	9.6280	0.0000	0.0000	0	0.00		
				<u>646</u>					<u>0.00</u>	<u>0.00</u>	147 042.00	1 130 048 204.60
	Total			646					0.00	0.00	167 042.00	1 130 048 204.60
Future												
	Jun 2019	ZATR	Future	3,646	2.3475	2.3549	0.0000	0.0000	0	0.00		
				<u>3,646</u>					<u>0.00</u>	<u>0.00</u>	556 277.00	1 668 453 313.10
	Total			3,646					0.00	0.00	556 277.00	1 668 453 313.10
Future												
	Jun 2019	ZAUM	Future	449	14.0450	14.0965	0.0000	0.0000	0	0.00		
				<u>449</u>					<u>0.00</u>	<u>0.00</u>	156 783.00	182 277 396 240.00
	Total			449					0.00	0.00	161 306.00	182 277 396 240.00

<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>
Future									
Jun 2019	ZAUS	Future	860,159	14.0450	14.0965	14.1912	14.0250	21,520	302,919,167.70
Sep 2019	ZAUS	Future	27,028	14.2024	14.2547	0.0000	0.0000	250	3,552,375.00
Dec 2019	ZAUS	Future	22,753	14.3534	14.4059	0.0000	0.0000	718	10,315,649.60
Mar 2020	ZAUS	Future	10,345	14.5151	14.5695	0.0000	0.0000	0	0.00
Jun 2020	ZAUS	Future	700	14.6830	14.7328	0.0000	0.0000	0	0.00
			<u>920,985</u>					<u>22,488.00</u>	<u>316,787,192.30</u>
									<u>202 680 034.00</u>
									<u>2 461 799 037 189.70</u>
Option									
Jun 2019	ZAUS	10.69 Put	1,000	0.1500	0.1781	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	3.9581	3.9715	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	8.6631	7.9540	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	12.5838	10.6853	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.92 Put	2,100	22.6560	19.9783	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	27.4972	24.5147	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	29.2862	26.1984	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.10 Put	14,000	39.6839	36.0485	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.22 Put	122,704	55.8023	51.4564	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	58.9206	54.4515	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	60.5292	55.9973	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.28 Put	122,704	65.5590	60.8358	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.30 Put	143,800	69.0858	64.2327	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.35 Put	4,317	78.5294	73.3444	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	7,500	661.3573	704.1990	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	592.4083	632.9772	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Put	700	147.4083	136.4772	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	237.4572	220.5684	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	415.0696	447.7373	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.91 Put	1,000	274.9233	255.8114	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	375.2615	405.6769	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	15,000	365.7897	395.6409	0.0000	0.0000	10,000	0.00
Jun 2019	ZAUS	14.00 Put	301,700	320.7897	299.1409	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.06 Put	2,100	353.7322	330.1589	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	359.5778	335.4915	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	439.6162	411.4964	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,982	472.3107	442.9861	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.30 Put	30,000	505.9975	475.5049	0.0000	0.0000	60,000	0.00
Jun 2019	ZAUS	14.35 Call	1,050	235.6351	255.5091	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	215.6432	233.9988	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.44 Put	0	605.2418	571.6758	0.0000	0.0000	63,000	0.00
Jun 2019	ZAUS	14.58 Call	1,000	175.9931	191.1716	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	750.1653	712.9384	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 2019	ZAUS	14.65 Put	1,000	766.0251	728.4486	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.66 Call	122,704	158.9947	172.7439	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.72 Call	122,704	147.3471	160.0968	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	2,000	141.8542	154.1261	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.78 Call	250	136.4423	148.3807	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	129.5488	140.9814	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	102.6547	111.7683	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	90.2745	98.2869	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	69.9849	76.1448	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	68.2406	74.2388	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	53.4974	59.1997	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	46.9917	52.3867	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	45.4822	50.8013	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	42.5952	47.7639	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	41.2154	46.3098	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	36.7019	41.5400	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	32.6472	37.2366	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	28.0413	32.3208	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	26.6452	30.8243	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	23.2331	27.1490	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	19.8842	23.5166	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	3.3327	3.2153	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	3.4756	3.9042	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	44.6275	45.1819	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	78.9433	77.7969	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	105.2079	102.6589	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	132.6043	128.5263	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	156.8259	151.3723	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	839.1534	877.9743	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	307.2724	292.8413	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.75 Put	1,000	328.6108	313.2180	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	337.3747	321.5926	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.80 Put	14,000	350.7705	334.3987	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.90 Put	5,908	397.5109	379.1521	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.92 Put	2,149	407.2460	388.4824	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	432.1296	412.3608	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	447.4363	427.0598	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.04 Call	1,000	630.6802	661.7909	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	511.4320	488.6210	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	562.3813	537.6333	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	616.7063	589.7892	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	654.1707	626.2585	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 2019	ZAUS	14.46 Put	17,287	718.7393	689.2063	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	14,000	447.6850	469.8164	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Put	14,000	745.2850	715.1164	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	848.2696	815.8226	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.70 Put	1,000	883.7509	850.5780	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.75 Call	1,000	372.1741	390.5924	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.82 Put	1,000	971.0940	936.2462	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	993.3895	958.1433	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	310.0213	325.1175	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	303.3731	318.1279	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	276.3190	289.6616	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1414.0391	1372.9413	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	215.9544	226.0359	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1566.2239	1523.5990	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	167.2060	175.4721	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.66 Call	2,149	97.3811	101.9392	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.67 Call	14,000	96.7449	101.2677	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	73.2869	76.0768	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	71.1767	73.9244	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	69.4874	72.2004	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	57.7005	60.1802	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	52.8500	55.2363	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	51.1771	53.5311	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	41.4941	44.0950	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	28.5024	28.5261	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	135.0892	133.1936	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	162.3987	158.6477	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.03 Put	69,000	169.3721	165.3130	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	365.5455	352.6289	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	426.8337	410.4610	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	493.3188	474.6968	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	34,000	523.3623	503.7712	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	559.5666	538.8398	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	564.8399	543.9488	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	575.4563	554.2413	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.11 Put	24,055	580.8038	559.4245	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.12 Put	69,000	586.1759	564.6323	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	752.4890	726.1209	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	329.0406	340.4002	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	276.2135	285.9806	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.20 Call	50,100	266.3050	275.6679	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.25 Call	21,000	259.4797	268.5673	0.0000	0.0000	5,000	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 2019	ZAUS	16.35 Call	4,150	246.4377	254.9866	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.37 Call	500	243.9200	252.3682	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.55 Call	24,055	222.6025	230.1701	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.85 Call	1,351	191.8213	198.1099	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	16.99 Call	69,000	179.2418	185.0029	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.02 Call	139,860	176.6810	182.3354	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	153.5193	155.6621	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	48.5991	51.0753	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	11.91 Put	1,000	35.2031	38.6521	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	12.96 Put	277,778	204.0649	199.5136	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.06 Put	275,862	231.2790	225.2309	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.19 Put	272,897	267.3657	260.4936	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	13.78 Put	60,000	475.7384	461.3825	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.01 Put	1,000	584.8227	565.3988	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.40 Put	277,778	797.1551	772.1944	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.51 Put	275,862	862.5767	836.1050	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	14.66 Put	272,897	955.1796	926.9130	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.60 Call	277,778	352.4540	362.6100	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	16.81 Call	275,862	324.1750	333.2220	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.04 Call	272,897	296.4270	304.3801	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.73 Call	1,000	240.3410	242.4829	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	17.88 Call	60,000	232.9544	234.7116	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	11.90 Put	900	59.7536	61.9690	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	14.25 Put	900	752.7804	732.9538	0.0000	0.0000	0	0.00		
Jun 2020	ZAUS	17.26 Call	900	400.3634	407.1282	0.0000	0.0000	0	0.00		
			<u>5,858,392</u>					<u>138,000.00</u>	<u>0.00</u>	<u>71 812 316.00</u>	<u>0.00</u>
Total			6,779,377					160,488.00	316,787,192.30	274 492 350.00	2 461 799 037 189.70
Grand Total			8,849,600					181,921.00	653 581 989.20	375,390,111	3,414,320,523,750.62