



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 21-January-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Future											
Jan 2019	DAEU	Future	0	15.7499	15.7076	0.0000	0.0000	4,830	76,072,017.00		
Feb 2019	DAEU	Future	29	15.8716	15.8107	0.0000	0.0000	0	0.00		
Mar 2019	DAEU	Future	53	15.9655	15.8595	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	4	16.0226	15.9679	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	1	16.0595	16.0070	0.0000	0.0000	0	0.00		
			<u>87</u>					<u>4,830.00</u>	<u>76,072,017.00</u>	<u>816 050.00</u>	<u>12 203 231 036.50</u>
Option											
Feb 2019	DAEU	15.80 Put	25,000	227.2584	268.9905	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	16,200	1128.9024	1178.8499	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	142.3929	143.3339	0.0000	0.0000	0	0.00		
			<u>103,600</u>					<u>0.00</u>	<u>0.00</u>	<u>1 560 587.00</u>	<u>0.00</u>
Total			103,687					4,830.00	76,072,017.00	2 376 637.00	12 203 231 036.50
Future											
Jan 2019	DAGB	Future	0	17.8298	17.8236	0.0000	0.0000	4,112	73,316,137.60		
Jan 2019	DAGB	Future	27	17.8598	17.8424	0.0000	0.0000	0	0.00		
Feb 2019	DAGB	Future	47	17.9445	17.9208	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	80	18.0325	18.0098	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	43	18.0853	18.0676	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	120	18.1196	18.1040	0.0000	0.0000	0	0.00		
			<u>317</u>					<u>4,112.00</u>	<u>73,316,137.60</u>	<u>66 675.00</u>	<u>1 118 086 763.20</u>
Total			317					4,112.00	73,316,137.60	273 988.00	1 118 086 763.20
Future											
Jan 2019	DAUS	Future	0	13.8577	13.8039	0.0000	0.0000	1,901	26,343,487.70		
Jan 2019	DAUS	Future	51	13.8643	13.8040	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,018	13.8724	13.8121	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,922	13.8741	13.8136	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.8954	13.8332	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	6	13.8987	13.8362	0.0000	0.0000	0	0.00		

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Feb 2019	DAUS	Future	15	13.9154	13.8513	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	5,899	13.9203	13.8562	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	74	13.9269	13.8628	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	80	13.9285	13.8644	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	13.9649	13.9010	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,228	13.9683	13.9047	0.0000	0.0000	2	28,010.00		
Apr 2019	DAUS	Future	55	13.9750	13.9121	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	260	13.9971	13.9361	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	349	14.0160	13.9560	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	345	14.0230	13.9628	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	238	14.0769	14.0158	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.0838	14.0226	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	333	14.1254	14.0637	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.1306	14.0688	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.1853	14.1224	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.2425	14.1794	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.2461	14.1829	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.2964	14.2328	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.3483	14.2847	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.4056	14.3430	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.4092	14.3467	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.4613	14.3995	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.5138	14.4532	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.5710	14.5130	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6283	14.5727	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6786	14.6248	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.7435	14.6903	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.8509	14.7983	0.0000	0.0000	0	0.00		
			<u>104,803</u>					<u>1,903.00</u>	<u>26,371,497.70</u>	<u>11 033 559.00</u>	<u>135 668 927 596.60</u>
Option											
Jan 2019	DAUS	13.00 Put	500	2.0157	4.2258	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.80 Put	600	103.0547	147.5175	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.95 Put	731	180.5473	237.6081	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.00 Call	731	87.1087	85.8267	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.20 Call	600	39.3449	42.5552	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.20 Put	250	365.2449	428.9552	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.25 Put	250	407.7277	471.7858	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.38 Call	500	17.9705	21.6030	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.55 Call	600	8.2205	11.4600	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	15.13 Call	250	1.4950	2.0160	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	15.47 Call	250	0.5169	0.7476	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.87 Put	22,000	210.2409	254.6637	0.0000	0.0000	0	0.00		

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Feb 2019	DAUS	13.00 Put	500	23.0559	31.4742	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.70 Put	600	175.0443	210.4001	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	457.4344	510.8025	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Call	600	163.5288	153.9372	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	493.2288	547.7372	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	103.4554	98.5302	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.75 Call	600	69.0673	66.3417	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	27.2047	26.7435	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	13.1514	12.9698	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	319.1540	363.6733	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	53.8745	52.4498	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	326.9168	368.0086	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	392.3786	437.8779	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	53.1834	67.3104	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	154.5124	182.3796	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	425.8153	402.8508	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	522.7601	572.4810	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	556.3075	607.0078	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	230.3386	220.0552	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	167.3381	160.5736	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	66.5768	65.2038	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	41.7826	41.6770	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	290.4526	327.3815	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	269.1644	257.8742	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	92.5064	109.3421	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	757.7450	727.2817	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	579.7256	625.5196	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	611.8679	658.4646	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	224.3644	217.8835	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	111.0851	108.9506	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	80.4350	79.3160	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	127.4905	146.1463	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	625.8678	670.9095	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	657.0984	702.8505	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	271.0049	264.0765	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	150.0380	147.1278	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	113.9803	112.2776	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	156.6061	176.5238	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	660.7707	705.3153	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	691.3258	736.5575	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	305.3354	298.6865	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	180.2275	177.0695	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	16.32 Call	250	141.6058	139.7021	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	296.0822	327.2629	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	137.8390	136.1418	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	186.8498	207.7063	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	695.7484	739.9540	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	725.7017	770.5757	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	345.9719	338.9407	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	216.0300	212.3513	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	174.9643	172.6956	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	881.8349	928.7583	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	212.6719	209.3283	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	211.1614	232.3153	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	724.2455	767.3278	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	753.7090	797.4953	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	376.2659	368.7297	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	245.0316	240.5666	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	202.1003	199.2940	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	80.0466	78.1092	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	233.4418	255.2208	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	748.3703	790.5853	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	777.5684	820.4692	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	408.1349	400.1664	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	274.5371	270.1242	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	228.7659	225.7251	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	255.8199	277.6056	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	772.0094	813.4151	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	800.9774	843.0399	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	433.0761	424.5531	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	300.1923	295.7023	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	254.6260	251.4380	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	275.1810	296.7265	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	791.3645	831.6782	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	820.1308	861.0708	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	457.0501	449.0408	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	324.4578	320.4189	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	278.8276	277.2068	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	294.4410	315.8726	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	809.6331	848.8513	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	838.1618	877.9945	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	480.9264	473.1046	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.05 Call	250	350.7493	346.4925	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.44 Call	250	306.8170	304.6742	0.0000	0.0000	0	0.00

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			314,856					0.00	0.00	22 258 715.00	0.00
		Total	419,659					1,903.00	26,371,497.70	33 292 274.00	135 668 927 596.60
Future											
Mar 2019	EUUS	Future	5	1.1419	1.1428	0.0000	0.0000	0	0.00		
Jun 2019	EUUS	Future	582	1.1505	1.1517	0.0000	0.0000	0	0.00		
			587					0.00	0.00	745 402.00	8 456 173 900.00
		Total	587					0.00	0.00	745 402.00	8 456 173 900.00
Future											
Mar 2019	GBUS	Future	5	1.2902	1.2945	0.0000	0.0000	0	0.00		
			5					0.00	0.00	171 622.00	2 208 234 028.00
		Total	5					0.00	0.00	171 622.00	2 208 234 028.00
Future											
Mar 2019	ZAAD	Future	7,452	9.9776	9.9844	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	15,741	10.0979	10.1074	0.0000	0.0000	0	0.00		
Sep 2019	ZAAD	Future	813	10.2317	10.2401	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.3593	10.3693	0.0000	0.0000	0	0.00		
			24,406					0.00	0.00	3 846 117.00	33 694 669 712.20
Option											
Dec 2019	ZAAD	11.00 Call	1,000	297.4252	304.7640	0.0000	0.0000	0	0.00		
			1,000					0.00	0.00	34 377.00	0.00
		Total	25,406					0.00	0.00	3 880 494.00	33 694 669 712.20
Future											
Mar 2019	ZACA	Future	500	10.5023	10.4800	0.0000	0.0000	0	0.00		
Jun 2019	ZACA	Future	400	10.6369	10.6177	0.0000	0.0000	0	0.00		
Sep 2019	ZACA	Future	250	10.7827	10.7623	0.0000	0.0000	0	0.00		
			1,150					0.00	0.00	149 263.00	1 480 114 720.10
		Total	1,150					0.00	0.00	149 263.00	1 480 114 720.10
Future											
Mar 2019	ZAEU	Future	127,034	15.9293	15.8685	15.9834	15.9418	5,501	87,857,043.50		
Jun 2019	ZAEU	Future	24,570	16.2237	16.1689	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	Future	22,079	16.5500	16.4918	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	Future	17,899	16.8609	16.8010	0.0000	0.0000	10,244	173,233,799.60		
			191,582					15,745.00	261,090,843.10	16 127 841.00	232 937 556 519.40
Option											
Mar 2019	ZAEU	16.00 Call	650	322.4607	307.9599	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	55,000	314.1244	312.5032	0.0000	0.0000	0	0.00		

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Dec 2019	ZAEU	13.73 Put	17,150	54.7305	61.4895	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	16.15 Put	17,150	620.2572	656.5147	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	282.3170	285.1016	0.0000	0.0000	0	0.00	
			<u>107,100</u>					<u>0.00</u>	<u>0.00</u>	<u>10 956 876.00</u>
	Total		298,682					15,745.00	261,090,843.10	27 084 717.00
										232 937 556 519.40
Future										
Mar 2019	ZAFR	Future	1,143	14.0606	14.0283	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	14.3338	14.3078	0.0000	0.0000	0	0.00	
			<u>1,293</u>					<u>0.00</u>	<u>0.00</u>	<u>626 380.00</u>
	Total		1,293					0.00	0.00	626 380.00
										6 751 701 429.60
Future										
Mar 2019	ZAGB	Future	394,778	17.9988	17.9751	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,764	18.2723	18.2549	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	15,609	18.5720	18.5519	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	Future	4,630	18.8542	18.8332	0.0000	0.0000	8,766	165,302,772.40	
			<u>420,781</u>					<u>8,766.00</u>	<u>165,302,772.40</u>	<u>13 804 663.00</u>
										<u>236 030 852 665.20</u>
Option										
Mar 2019	ZAGB	18.00 Put	500	427.0357	448.1632	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.00 Call	2,500	134.3249	136.2807	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	1297.2024	1322.8307	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	38.0903	39.6125	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	30.6184	32.1586	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	7.1242	8.1249	0.0000	0.0000	0	0.00	
			<u>6,500</u>					<u>0.00</u>	<u>0.00</u>	<u>1 783 113.00</u>
	Total		427,281					8,766.00	165,302,772.40	15 587 776.00
										236 030 852 665.20
Future										
Mar 2019	ZAJY	Future	10,779	0.1278	0.1273	0.0000	0.0000	0	0.00	
			<u>10,779</u>					<u>0.00</u>	<u>0.00</u>	<u>1 089 986.00</u>
	Total		10,779					0.00	0.00	1 089 986.00
										51 409 857 066.60
Future										
Jun 2019	ZAKS	Future	2,166	0.1347	0.1348	0.0000	0.0000	0	0.00	
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>
	Total		2,166					0.00	0.00	38 066.00
										515 662 000.00
Future										
Sep 2019	ZANZ	Future	213	9.6299	9.6490	0.0000	0.0000	0	0.00	
			<u>213</u>					<u>0.00</u>	<u>0.00</u>	<u>146 359.00</u>
										1 123 547 250.60

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Total			213					0.00	0.00	166 359.00	1 123 547 250.60
Future											
Mar 2019	ZATR	Future	25,000	2.5304	2.5224	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	420 239.00	1 320 654 069.00
Total			25,000					0.00	0.00	420 239.00	1 320 654 069.00
Future											
Mar 2019	ZAUM	Future	422	13.9499	13.8858	0.0000	0.0000	0	0.00		
			<u>422</u>					<u>0.00</u>	<u>0.00</u>	155 478.00	180 390 932 810.00
Total			422					0.00	0.00	160 001.00	180 390 932 810.00
Future											
Mar 2019	ZAUS	Future	528,978	13.9499	13.8858	13.9950	13.9150	44,225	617,513,215.70		
Jun 2019	ZAUS	Future	109,867	14.1010	14.0397	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	Future	14,290	14.2677	14.2043	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	Future	10,100	14.4254	14.3631	0.0000	0.0000	4,094	59,175,628.00		
Mar 2020	ZAUS	Future	4,566	14.5969	14.5399	0.0000	0.0000	0	0.00		
			<u>667,801</u>					<u>48,319.00</u>	<u>676,688,843.70</u>	194 072 187.00	2 338 911 517 969.30
Option											
Mar 2019	ZAUS	10.33 Put	1,000	0.0974	0.1342	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	11.74 Put	1,000	2.0552	2.6258	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.47 Put	721	6.5538	8.1454	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.51 Put	720	7.0257	8.9341	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.80 Put	7,520	19.9540	26.7297	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.90 Put	16,000	28.1580	37.0998	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.92 Put	139,342	30.0812	39.5029	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.00 Put	15,434	38.8302	50.3280	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.05 Put	1,155	45.2266	58.1474	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.12 Put	138,000	55.5011	70.5663	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.15 Put	10,125	60.4082	76.4443	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.25 Put	225,407	79.1247	98.7859	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.33 Put	135,043	97.5312	119.8449	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.36 Put	134,750	105.1451	128.4727	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.46 Put	20,000	133.4567	160.2170	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.50 Put	17,050	146.0813	174.2242	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.55 Put	10,000	162.9354	192.8043	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.60 Put	6,570	180.9948	212.5850	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.62 Put	6,432	188.5608	220.8321	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.68 Put	14,200	212.4329	246.7336	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.70 Put	2,500	220.7819	255.7530	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.72 Put	10,000	229.3297	264.9644	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>
Mar 2019	ZAUS	13.75 Put	17,981	242.5189	279.1380	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	260.7904	298.7056	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	2,100	275.0074	313.8754	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	289.6617	329.4694	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	294.6425	334.7606	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	315.0481	356.3827	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	341.5269	321.4573	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	320.4883	301.8395	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	35,606	370.5883	416.0395	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	394.5810	441.1171	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	247.3322	233.6713	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	231.5880	219.0047	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	552.6946	604.8233	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	216.7799	205.2042	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	566.8799	619.4042	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	602.9609	656.4329	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	670.0194	725.0402	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	677.6293	732.8110	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	175.1697	166.4101	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	170.5412	162.0901	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	166.0312	157.8817	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	716.1312	772.0817	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	739.5847	795.9675	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	763.2888	820.0867	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	835.8336	893.5799	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	909.9798	968.7765	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	110.3320	105.6504	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	968.9147	1028.4307	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	977.4196	1037.0315	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	985.9433	1045.6496	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	994.4871	1054.2877	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	83.6358	80.6279	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1169.2315	1230.5931	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1222.9303	1284.6627	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1240.9445	1302.7925	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1249.9737	1311.8761	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	66.1210	64.1370	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1304.4233	1366.6397	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1313.5428	1375.8091	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	61.7199	59.9810	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	59.2249	57.6226	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1423.9013	1486.4906	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	15.40 Call	2,000	47.5263	46.3001	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	43.7091	42.8955	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	42.9805	42.2439	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	40.1752	39.7332	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	37.5402	37.3660	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	30.5621	31.0558	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	23.5362	24.6159	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	22.7232	23.8631	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	20.4393	21.7371	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	16.8041	18.3149	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	13.2974	14.9534	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	12.1440	13.8308	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	9.7539	11.4690	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	8.4188	10.1237	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	5.8070	7.4157	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	5.5940	7.1890	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	3.8579	4.8114	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	3.8427	4.7677	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	3.7693	4.5571	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	3.6868	4.3207	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	3.6736	4.2828	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	3.6606	4.2454	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	3.5041	3.7977	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	3.4290	3.5829	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	3.2451	3.0552	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	2.9372	2.1399	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	1.9001	1.1083	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	3.8003	4.8338	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	44.7214	52.1804	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	92.9723	107.6410	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	137.8716	156.9379	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	142.3931	161.8617	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	204.9492	229.3986	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	1,282	207.8990	232.5610	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	440.2448	477.9630	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	465.3900	504.0371	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	638.8829	618.0231	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	143,900	528.7268	569.5159	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	567.5804	609.7595	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	644.3773	688.8907	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	675.2397	720.4834	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	465.8961	452.1359	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	14.58 Call	1,000	415.3495	403.4947	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	929.7082	979.7028	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	944.0024	994.2078	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	349.7376	340.4406	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	286.8574	280.0824	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	245.9947	240.8014	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	217.3054	212.6699	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	199.1194	195.0898	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	196.2458	192.3122	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	174.7853	171.5431	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	163.8241	160.9254	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	160.3351	157.5426	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	151.4175	148.8969	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	142.0195	139.7806	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	47.6864	48.3942	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	7.5668	8.6608	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	112.0050	126.1106	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	298.6958	324.5147	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	578.5089	616.7112	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	609.8691	648.9932	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	675.0572	715.9594	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	743.4338	786.0270	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	814.8900	859.0086	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1552.3178	1606.5162	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1695.2070	1750.5648	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	345.0514	337.6725	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	179.2796	178.3213	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	155.0473	154.8119	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	144.5847	144.6418	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	140.8962	141.0556	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.29 Call	81,930	126.0979	126.6479	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	119.6698	119.6269	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.63 Call	33,715	111.5673	108.7810	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	73.3643	71.6128	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	39.9575	47.5202	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	523.9755	554.3995	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	727.1730	765.8874	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	349.1012	344.9243	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	286.5491	287.2361	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	109.4829	107.6928	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	11.91 Put	1,000	69.0324	77.0261	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	14.01 Put	1,000	752.2428	786.7110	0.0000	0.0000	0	0.00

