



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 18-January-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME
Future										
Jan 2019	DAEU	Future	4,830	15.7076	15.7156	0.0000	0.0000	0	0.00	
Feb 2019	DAEU	Future	29	15.8107	15.8203	0.0000	0.0000	0	0.00	
Mar 2019	DAEU	Future	53	15.8595	15.8688	0.0000	0.0000	0	0.00	
Apr 2019	DAEU	Future	4	15.9679	15.9720	0.0000	0.0000	0	0.00	
Apr 2019	DAEU	Future	1	16.0070	16.0090	0.0000	0.0000	0	0.00	
			<u>4,917</u>					<u>0.00</u>	<u>0.00</u>	<u>811 220.00</u>
Option										
Feb 2019	DAEU	15.80 Put	25,000	268.9905	0.0000	0.0000	0.0000	50,000	0.00	
Aug 2019	DAEU	17.01 Put	16,200	1178.8499	1177.7836	0.0000	0.0000	0	0.00	
Aug 2019	DAEU	19.65 Call	62,400	143.3339	144.5894	0.0000	0.0000	0	0.00	
			<u>103,600</u>					<u>50,000.00</u>	<u>0.00</u>	<u>1 560 587.00</u>
		Total	108,517					50,000.00	0.00	2 371 807.00
Future										
Jan 2019	DAGB	Future	0	17.8186	17.9718	0.0000	0.0000	10	179,718.00	
Jan 2019	DAGB	Future	4,112	17.8236	17.8202	0.0000	0.0000	0	0.00	
Jan 2019	DAGB	Future	27	17.8424	17.8353	0.0000	0.0000	27	482,959.80	
Feb 2019	DAGB	Future	47	17.9208	17.9189	0.0000	0.0000	5	89,859.00	
Mar 2019	DAGB	Future	80	18.0098	18.0071	0.0000	0.0000	0	0.00	
Apr 2019	DAGB	Future	43	18.0676	18.0607	0.0000	0.0000	0	0.00	
Apr 2019	DAGB	Future	120	18.1040	18.0952	0.0000	0.0000	0	0.00	
			<u>4,429</u>					<u>42.00</u>	<u>752,536.80</u>	<u>62 563.00</u>
		Total	4,429					42.00	752,536.80	269 876.00
Future										
Jan 2019	DAUS	Future	1,901	13.8039	13.7957	0.0000	0.0000	0	0.00	
Jan 2019	DAUS	Future	51	13.8040	13.7941	0.0000	0.0000	0	0.00	
Jan 2019	DAUS	Future	1,018	13.8121	13.8023	0.0000	0.0000	0	0.00	
Jan 2019	DAUS	Future	1,922	13.8136	13.8039	0.0000	0.0000	159	2,191,755.00	
Feb 2019	DAUS	Future	70	13.8332	13.8249	0.0000	0.0000	0	0.00	

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Feb 2019	DAUS	Future	6	13.8362	13.8281	0.0000	0.0000	6	83,096.40
Feb 2019	DAUS	Future	15	13.8513	13.8444	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	5,899	13.8562	13.8493	0.0000	0.0000	115	1,595,119.00
Mar 2019	DAUS	Future	74	13.8628	13.8558	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	80	13.8644	13.8575	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,731	13.9010	13.8939	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,228	13.9047	13.8974	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	13.9121	13.9043	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	260	13.9361	13.9268	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	349	13.9560	13.9457	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	345	13.9628	13.9525	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	238	14.0158	14.0054	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	74	14.0226	14.0123	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	333	14.0637	14.0532	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.0688	14.0583	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.1224	14.1119	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.1794	14.1685	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	14.1829	14.1720	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.2328	14.2216	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.2847	14.2733	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.3430	14.3313	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.3467	14.3349	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.3995	14.3875	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.4532	14.4410	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.5130	14.5005	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.5727	14.5600	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.6248	14.6118	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.6903	14.6770	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.7983	14.7845	0.0000	0.0000	0	0.00
			<u>106,704</u>					<u>280.00</u>	<u>3,869,970.40</u>
									<u>11 031 656.00</u>
									<u>135 642 556 098.90</u>
Option									
Jan 2019	DAUS	13.00 Put	500	4.2258	4.7692	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.80 Put	600	147.5175	157.8242	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.95 Put	731	237.6081	249.1521	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.00 Call	731	85.8267	87.8907	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Call	600	42.5552	44.7735	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	428.9552	440.8735	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	471.7858	483.6186	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	21.6030	23.4052	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.55 Call	600	11.4600	12.6915	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	2.0160	2.1444	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	0.7476	0.8088	0.0000	0.0000	0	0.00

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Feb 2019	DAUS	13.87 Put	22,000	254.6637	262.5345	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	31.4742	33.7051	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.70 Put	600	210.4001	217.4141	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	510.8025	519.3932	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Call	600	153.9372	155.6795	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	547.7372	556.3795	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	98.5302	100.3118	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.75 Call	600	66.3417	68.0034	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	26.7435	27.8786	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	12.9698	13.5916	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	363.6733	372.5770	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	52.4498	54.2409	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	368.0086	376.6137	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	437.8779	446.8109	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	67.3104	71.1800	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	182.3796	188.8835	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	402.8508	404.0053	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	572.4810	581.6623	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	607.0078	616.2499	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	220.0552	222.1061	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	160.5736	162.6458	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	65.2038	66.7738	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	41.6770	42.9039	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	327.3815	335.2780	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	257.8742	259.1397	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	109.3421	113.6064	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	727.2817	723.7555	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	625.5196	635.0858	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	658.4646	668.1539	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	217.8835	218.1841	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	108.9506	109.5635	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	79.3160	79.9185	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	146.1463	150.9884	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	670.9095	680.4916	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	702.8505	712.5547	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	264.0765	264.5417	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	147.1278	147.9361	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	112.2776	113.0972	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	176.5238	181.7499	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	705.3153	714.9098	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	736.5575	746.2748	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	298.6865	299.3149	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	15.96 Call	250	177.0695	178.0645	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	139.7021	140.7212	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	327.2629	334.3271	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	136.1418	137.1960	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	207.7063	213.4554	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	739.9540	749.8011	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	770.5757	780.5386	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	338.9407	339.8450	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	212.3513	213.5966	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	172.6956	173.9783	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	928.7583	939.4531	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	209.3283	210.7110	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	232.3153	238.6170	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	767.3278	777.6866	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	797.4953	807.9640	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	368.7297	370.0084	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	240.5666	242.1210	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	199.2940	200.8605	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	78.1092	79.0940	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	255.2208	261.8650	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	790.5853	801.9166	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	820.4692	831.7884	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	400.1664	400.8395	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	270.1242	271.7253	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	225.7251	227.6761	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	277.6056	284.8378	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	813.4151	825.3655	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	843.0399	855.1012	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	424.5531	426.0239	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	295.7023	297.9608	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	251.4380	253.9042	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	296.7265	304.6501	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	831.6782	843.6731	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	861.0708	873.1869	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	449.0408	451.4365	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	320.4189	322.9389	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	277.2068	279.6955	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	315.8726	324.1950	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	848.8513	861.3821	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	877.9945	890.6546	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	473.1046	475.7559	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.05 Call	250	346.4925	349.2368	0.0000	0.0000	0	0.00

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Dec 2019	DAUS	17.44 Call	250	304.6742	307.3824	0.0000	0.0000	0	0.00	
			314,856					0.00	0.00	22 258 715.00
		Total	421,560					280.00	3,869,970.40	33 290 371.00 135 642 556 098.90
Future										
Mar 2019	EUUS	Future	5	1.1428	1.1440	0.0000	0.0000	0	0.00	
Jun 2019	EUUS	Future	582	1.1517	1.1527	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	1.2945	1.2950	1.3018	1.3013	200	2,603,100.00	
			5					200.00	2,603,100.00	171 622.00 2 208 234 028.00
		Total	5					200.00	2,603,100.00	171 622.00 2 208 234 028.00
Future										
Mar 2019	ZAAD	Future	7,452	9.9844	9.9511	0.0000	0.0000	93	927,810.30	
Jun 2019	ZAAD	Future	15,741	10.1074	10.0713	0.0000	0.0000	0	0.00	
Sep 2019	ZAAD	Future	813	10.2401	10.2036	0.0000	0.0000	0	0.00	
Dec 2019	ZAAD	Future	400	10.3693	10.3311	0.0000	0.0000	0	0.00	
			24,406					93.00	927,810.30	3 846 117.00 33 694 669 712.20
Option										
Dec 2019	ZAAD	11.00 Call	1,000	304.7640	297.7501	0.0000	0.0000	0	0.00	
			1,000					0.00	0.00	34 377.00 0.00
		Total	25,406					93.00	927,810.30	3 880 494.00 33 694 669 712.20
Future										
Mar 2019	ZACA	Future	500	10.4800	10.4496	0.0000	0.0000	0	0.00	
Jun 2019	ZACA	Future	400	10.6177	10.5837	10.6122	10.6122	250	2,653,050.00	
Sep 2019	ZACA	Future	250	10.7623	10.7276	0.0000	0.0000	0	0.00	
			1,150					250.00	2,653,050.00	149 263.00 1 480 114 720.10
		Total	1,150					250.00	2,653,050.00	149 263.00 1 480 114 720.10
Future										
Mar 2019	ZAEU	Future	130,964	15.8685	15.8779	15.9368	15.8362	30,253	480,549,642.80	
Jun 2019	ZAEU	Future	24,570	16.1689	16.1715	16.2557	16.2557	176	2,861,003.20	
Sep 2019	ZAEU	Future	22,079	16.4918	16.4939	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	Future	12,777	16.8010	16.8039	0.0000	0.0000	0	0.00	
			190,390					30,429.00	483,410,646.00	16 112 096.00 232 676 465 676.30
Option										
Mar 2019	ZAEU	16.00 Call	650	307.9599	314.5303	0.0000	0.0000	0	0.00	

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Sep 2019	ZAEU	18.60 Call	55,000	312.5032	313.9631	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	13.73 Put	17,150	61.4895	61.4630	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	16.15 Put	17,150	656.5147	657.4339	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	285.1016	286.6800	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		297,490					30,429.00	483,410,646.00	27 068 972.00
										232 676 465 676.30
Future										
Mar 2019	ZAFR	Future	1,143	14.0283	14.0368	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	14.3078	14.3100	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	6 751 701 429.60
Future										
Mar 2019	ZAGB	Future	394,778	17.9751	17.9729	18.0740	17.9834	13	234,204.50	
Jun 2019	ZAGB	Future	5,764	18.2549	18.2461	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	15,609	18.5519	18.5418	18.5551	18.5429	745	13,815,469.00	
Dec 2019	ZAGB	Future	247	18.8332	18.8222	0.0000	0.0000	0	0.00	
			<u>416,398</u>					<u>758.00</u>	<u>14,049,673.50</u>	<u>13 795 897.00</u>
	Total							758.00	14,049,673.50	235 865 549 892.80
Option										
Mar 2019	ZAGB	18.00 Put	500	448.1632	453.9164	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.00 Call	2,500	136.2807	138.9914	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	1322.8307	1327.6990	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	39.6125	41.2660	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	32.1586	33.3367	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	8.1249	7.9381	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		422,898					758.00	14,049,673.50	15 579 010.00
										235 865 549 892.80
Future										
Mar 2019	ZAJY	Future	10,779	0.1273	0.1280	0.0000	0.0000	793	10,120,979.70	
			<u>10,779</u>					<u>793.00</u>	<u>10,120,979.70</u>	<u>1 089 986.00</u>
	Total		10,779					793.00	10,120,979.70	51 409 857 066.60
Future										
Jun 2019	ZAKS	Future	2,166	0.1348	0.1349	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	515 662 000.00
Future										
Sep 2019	ZANZ	Future	213	9.6490	9.6044	0.0000	0.0000	0	0.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
			213					0.00	0.00	146 359.00	1 123 547 250.60
		Total	213					0.00	0.00	166 359.00	1 123 547 250.60
Future											
	Mar 2019 ZATR	Future	25,000	2.5224	2.5043	0.0000	0.0000	0	0.00		
			25,000					0.00	0.00	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	13.8858	13.8787	0.0000	0.0000	0	0.00		
			422					0.00	0.00	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	530,065	13.8858	13.8787	13.9405	13.8650	21,433	297,310,765.60		
	Jun 2019 ZAUS	Future	109,867	14.0397	14.0293	14.0719	14.0719	176	2,476,654.40		
	Sep 2019 ZAUS	Future	14,290	14.2043	14.1933	0.0000	0.0000	0	0.00		
	Dec 2019 ZAUS	Future	10,100	14.3631	14.3512	0.0000	0.0000	0	0.00		
	Mar 2020 ZAUS	Future	4,566	14.5399	14.5273	0.0000	0.0000	0	0.00		
			668,888					21,609.00	299,787,420.00	194 023 868.00	2 338 234 829 125.60
Option											
	Mar 2019 ZAUS	10.33 Put	1,000	0.1342	0.1630	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	11.74 Put	1,000	2.6258	3.0413	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.47 Put	721	8.1454	8.8408	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.51 Put	720	8.9341	9.6703	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.80 Put	7,520	26.7297	28.7503	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.90 Put	16,000	37.0998	39.7757	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	12.92 Put	139,342	39.5029	42.3228	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.00 Put	15,434	50.3280	53.7671	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.05 Put	1,155	58.1474	62.0051	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.12 Put	138,000	70.5663	75.0486	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.15 Put	10,125	76.4443	81.2070	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.25 Put	225,407	98.7859	104.3896	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.33 Put	135,043	119.8449	126.0239	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.36 Put	134,750	128.4727	134.8654	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.46 Put	20,000	160.2170	167.2892	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.50 Put	17,050	174.2242	181.5570	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.55 Put	10,000	192.8043	200.4510	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.60 Put	6,570	212.5850	220.5261	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.62 Put	6,432	220.8321	228.8887	0.0000	0.0000	0	0.00		
	Mar 2019 ZAUS	13.68 Put	14,200	246.7336	255.1156	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	13.70 Put	2,500	255.7530	264.2370	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	264.9644	273.5472	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	279.1380	287.8666	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	298.7056	307.6132	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	2,100	313.8754	322.9099	0.0000	0.0000	300	0.00
Mar 2019	ZAUS	13.85 Put	1,000	329.4694	338.6236	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	334.7606	343.9514	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	356.3827	365.7186	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	321.4573	323.8398	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	301.8395	304.3501	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	35,606	416.0395	425.6501	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	441.1171	450.8149	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	233.6713	236.5015	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	219.0047	221.8723	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	604.8233	614.8080	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	205.2042	208.0969	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	619.4042	629.3969	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	656.4329	666.4377	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	725.0402	735.0346	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	732.8110	742.8012	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	166.4101	169.2978	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	162.0901	164.9697	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	157.8817	160.7517	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	772.0817	782.0517	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	795.9675	805.9197	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	820.0867	830.0199	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	893.5799	903.4410	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	968.7765	978.5462	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	105.6504	108.2518	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	1028.4307	1038.1217	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	1037.0315	1046.7089	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	1045.6496	1055.3163	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1054.2877	1063.9406	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	80.6279	82.9698	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1230.5931	1239.9795	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1284.6627	1293.9649	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1302.7925	1312.0665	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1311.8761	1321.1371	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	64.1370	66.2414	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1366.6397	1375.8158	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1375.8091	1384.9699	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	59.9810	62.0135	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	15.25 Call	1,500	57.6226	59.6130	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1486.4906	1495.4779	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	46.3001	48.0556	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	42.8955	44.5713	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	42.2439	43.9046	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	39.7332	41.3313	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	37.3660	38.9028	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	31.0558	32.4195	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	24.6159	25.7802	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	23.8631	25.0021	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	21.7371	22.8042	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	18.3149	19.2581	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	14.9534	15.7661	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	13.8308	14.5973	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	11.4690	12.1337	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	10.1237	10.7276	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	7.4157	7.8879	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	7.1890	7.6494	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	4.8114	5.1887	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	4.7677	5.1440	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	4.5571	4.9277	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	4.3207	4.6843	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	4.2828	4.6454	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	4.2454	4.6070	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	3.7977	4.1447	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	3.5829	3.9225	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	3.0552	3.3740	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	2.1399	2.4142	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	1.1083	1.2720	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	4.8338	4.9490	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	52.1804	54.0737	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	107.6410	111.6149	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	156.9379	161.8788	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	161.8617	166.8867	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	229.3986	235.4398	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	1,282	232.5610	238.6463	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	477.9630	486.3864	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	504.0371	512.6294	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	618.0231	616.5460	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	143,900	569.5159	578.4990	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	609.7595	618.9483	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	688.8907	698.4234	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	14.25 Put	1,282	720.4834	730.1375	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	452.1359	451.7561	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	403.4947	403.4021	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	979.7028	990.0896	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	994.2078	1004.6223	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	340.4406	340.6911	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	280.0824	280.6344	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	240.8014	241.5156	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	212.6699	213.4731	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	195.0898	195.9393	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	192.3122	193.1665	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	171.5431	172.4355	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	160.9254	161.8322	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	157.5426	158.4547	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	148.8969	149.8137	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	139.7806	140.7020	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	48.3942	49.5702	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	8.6608	8.6719	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	126.1106	129.7377	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	324.5147	332.1369	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	616.7112	626.6438	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	648.9932	659.1031	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	715.9594	726.4074	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	786.0270	796.7804	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	859.0086	870.0263	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1606.5162	1618.8969	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1750.5648	1763.0520	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	337.6725	339.3103	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	178.3213	180.0639	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	154.8119	156.5650	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	144.6418	146.3905	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	141.0556	142.8038	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.29 Call	81,930	126.6479	128.3766	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	119.6269	121.3378	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.63 Call	33,715	108.7810	110.4165	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	71.6128	72.9271	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	47.5202	48.6463	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	554.3995	565.0233	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	765.8874	777.7918	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	344.9243	347.5464	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	287.2361	289.8186	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	107.6928	109.4906	0.0000	0.0000	0	0.00

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Mar 2020	ZAUS	11.91 Put	1,000	77.0261	80.4586	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.01 Put	1,000	786.7110	797.3643	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.73 Call	1,000	393.8116	396.4836	0.0000	0.0000	0	0.00	
			<u>4,964,035</u>					<u>300.00</u>	<u>0.00</u>	<u>63 952 634.00</u>
		Total	5,632,923					21,909.00	299,787,420.00	257 976 502.00
										2 338 234 829 125.60

Grand Total			6,954,838					104,754.00	818 175 186.70	352,774,857	3,286,615,223,127.63
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