



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 25-January-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Future										
Feb 2019	DAEU	Future	29	15.6219	15.7711	0.0000	0.0000	0	0.00	
Mar 2019	DAEU	Future	53	15.7134	15.8637	0.0000	0.0000	0	0.00	
Apr 2019	DAEU	Future	4	15.7687	15.9194	0.0000	0.0000	0	0.00	
Apr 2019	DAEU	Future	1	15.8046	15.9554	0.0000	0.0000	0	0.00	
			87					0.00	0.00	816 050.00
Option										
Feb 2019	DAEU	15.80 Put	25,000	336.5704	251.4010	0.0000	0.0000	0	0.00	
Aug 2019	DAEU	17.01 Put	16,200	1274.8015	1174.4903	0.0000	0.0000	0	0.00	
Aug 2019	DAEU	19.65 Call	62,400	106.2983	119.6541	0.0000	0.0000	0	0.00	
			103,600					0.00	0.00	1 560 587.00
Total			103,687					0.00	0.00	2 376 637.00
Future										
Jan 2019	DAGB	Future	27	17.9157	17.9827	0.0000	0.0000	0	0.00	
Feb 2019	DAGB	Future	47	17.9999	18.0675	0.0000	0.0000	0	0.00	
Mar 2019	DAGB	Future	80	18.0873	18.1552	0.0000	0.0000	0	0.00	
Apr 2019	DAGB	Future	43	18.1395	18.2072	0.0000	0.0000	0	0.00	
Apr 2019	DAGB	Future	120	18.1734	18.2410	0.0000	0.0000	0	0.00	
			317					0.00	0.00	66 675.00
Total			317					0.00	0.00	273 988.00
Future										
Jan 2019	DAUS	Future	1,018	13.6359	13.7741	0.0000	0.0000	0	0.00	
Jan 2019	DAUS	Future	1,837	13.6374	13.7757	0.0000	0.0000	117	1,597,202.10	
Feb 2019	DAUS	Future	70	13.6582	13.7967	0.0000	0.0000	0	0.00	
Feb 2019	DAUS	Future	6	13.6614	13.8000	0.0000	0.0000	0	0.00	
Feb 2019	DAUS	Future	5,759	13.6821	13.8210	0.0000	0.0000	0	0.00	
Mar 2019	DAUS	Future	74	13.6885	13.8275	0.0000	0.0000	0	0.00	
Mar 2019	DAUS	Future	80	13.6901	13.8291	0.0000	0.0000	0	0.00	
Mar 2019	DAUS	Future	3,731	13.7253	13.8647	0.0000	0.0000	0	0.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Mar 2019	DAUS	Future	4,228	13.7285	13.8680	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.7350	13.8745	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	260	13.7562	13.8957	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	349	13.7741	13.9138	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	15	13.7792	13.9189	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	345	13.7808	13.9206	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	238	13.8329	13.9733	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	13.8396	13.9801	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	333	13.8796	14.0209	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	13.8845	14.0260	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	13.9364	14.0790	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	13.9924	14.1352	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	13.9958	14.1387	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.0438	14.1879	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.0936	14.2390	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.1491	14.2958	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.1525	14.2994	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.2030	14.3509	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.2543	14.4031	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.3093	14.4614	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.3642	14.5198	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.4122	14.5702	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.4742	14.6318	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.5769	14.7342	0.0000	0.0000	0	0.00		
			<u>104,527</u>					<u>117.00</u>	<u>1,597,202.10</u>	<u>11 034 996.00</u>	<u>135 688 930 106.10</u>
Option											
Jan 2019	DAUS	13.00 Put	500	1.5771	1.1549	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.80 Put	600	201.7342	120.4844	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.95 Put	731	330.0504	223.7708	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.00 Call	731	13.3162	39.2402	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.20 Call	600	4.6100	15.1595	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.20 Put	250	567.2100	439.4595	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.25 Put	250	616.1667	486.2266	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.38 Call	500	1.8310	6.4155	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.55 Call	600	0.7206	2.9435	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	15.13 Call	250	0.0559	0.3226	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	15.47 Call	250	0.0319	0.1226	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.76 Put	684	242.4785	0.0000	0.0000	0.0000	684	0.00		
Feb 2019	DAUS	13.81 Call	684	126.6131	0.0000	0.0000	0.0000	684	0.00		
Feb 2019	DAUS	13.87 Put	22,000	316.8856	237.2723	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.75 Put	25,000	270.5671	0.0000	0.0000	0.0000	50,000	0.00		
Feb 2019	DAUS	13.00 Put	500	26.3515	19.9763	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>
Feb 2019	DAUS	13.70 Put	600	248.9630	189.3794	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	605.5718	504.3419	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Call	600	79.3222	114.0779	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	647.2222	543.0779	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	45.5515	68.1182	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.75 Call	600	27.9327	42.7800	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	8.9173	14.7007	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	3.8950	6.6856	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	431.1981	350.0537	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	23.7389	34.7945	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	426.4900	351.8905	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	506.3549	424.3721	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	71.3985	52.8203	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	207.2790	163.1097	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	283.9523	349.5974	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	655.9381	563.2682	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	694.1409	598.9916	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	141.5353	179.0603	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	98.1134	125.9742	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	32.2253	44.5495	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	17.3978	25.4688	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	373.3931	309.5151	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	172.5580	213.5977	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	116.1549	93.0965	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	574.5106	665.6892	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	701.5981	614.2108	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	737.7469	648.1671	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	147.9670	177.8652	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	67.5066	82.6958	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	47.2763	58.2493	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	155.6216	129.3614	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	742.2401	659.8175	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	776.9902	692.5820	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	192.2145	224.4439	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	100.7572	119.0945	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	75.1562	89.0151	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	187.4246	159.0815	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	772.8949	693.7396	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	806.6931	725.6943	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	225.5211	258.9423	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	127.2992	147.6439	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	98.7144	114.6184	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	13.45 Put	39,250	357.2403	308.6803	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	96.5054	111.6978	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	220.0991	190.3927	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.20 Put	250	803.5661	727.1225	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	836.4984	758.3671	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	263.2050	297.7573	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	157.9463	180.5135	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.50 Call	250	126.5502	144.6321	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,147	1003.2624	919.2337	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,147	156.9242	178.4255	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	245.0536	214.5684	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	827.3739	753.3912	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	859.7018	784.1250	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	291.3661	327.9797	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	183.8916	207.7726	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	150.3202	169.7954	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	52.3646	61.2052	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	267.8674	236.7170	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	848.1279	775.8062	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	879.9183	806.0853	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	319.4973	357.3917	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	210.0864	235.3914	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	174.3676	194.5633	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	290.4743	258.6584	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	868.6256	797.6115	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	899.9315	827.6103	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	342.2263	381.0667	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	233.2192	259.7180	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	199.7064	218.6786	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	309.7359	277.4654	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	885.2185	815.2574	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	916.1048	844.9799	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	364.9269	404.3578	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	255.1998	282.9782	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	222.3814	243.6310	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	328.7611	296.1703	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	900.8468	831.7429	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	931.3195	861.1785	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	387.3217	427.2815	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	278.9086	307.7930	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	247.8968	270.5242	0.0000	0.0000	0	0.00		
			<u>341,224</u>					<u>51,368.00</u>	<u>0.00</u>	<u>22 310 083.00</u>	<u>0.00</u>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Total			445,751					51,485.00	1,597,202.10	33 345 079.00	135 688 930 106.10
Future											
Mar 2019	EUUS	Future	5	1.1435	1.1428	0.0000	0.0000	0	0.00		
Jun 2019	EUUS	Future	582	1.1522	1.1515	0.0000	0.0000	0	0.00		
			<u>587</u>					<u>0.00</u>	<u>0.00</u>	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	1.3168	1.3084	0.0000	0.0000	0	0.00		
			<u>5</u>					<u>0.00</u>	<u>0.00</u>	171 722.00	2 209 540 628.00
Total			5					0.00	0.00	171 722.00	2 209 540 628.00
Future											
Mar 2019	ZAAD	Future	7,203	9.8214	9.8470	9.8025	9.7973	3	29,402.30		
Jun 2019	ZAAD	Future	15,741	9.9376	9.9634	9.9155	9.9150	502	4,977,530.00		
Sep 2019	ZAAD	Future	513	10.0668	10.0933	10.0417	10.0417	200	2,008,340.00		
Dec 2019	ZAAD	Future	400	10.1911	10.2196	0.0000	0.0000	0	0.00		
			<u>23,857</u>					<u>705.00</u>	<u>7,015,272.30</u>	3 847 173.00	33 705 171 731.80
Option											
Dec 2019	ZAAD	11.00 Call	1,000	234.8769	245.8056	0.0000	0.0000	0	0.00		
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	34 377.00	0.00
Total			24,857					705.00	7,015,272.30	3 881 550.00	33 705 171 731.80
Future											
Mar 2019	ZACA	Future	500	10.3584	10.3976	0.0000	0.0000	0	0.00		
Jun 2019	ZACA	Future	400	10.4890	10.5289	0.0000	0.0000	0	0.00		
Sep 2019	ZACA	Future	250	10.6306	10.6720	0.0000	0.0000	0	0.00		
			<u>1,150</u>					<u>0.00</u>	<u>0.00</u>	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	127,824	15.6784	15.8282	15.7142	15.6243	4,961	77,723,281.00		
Jun 2019	ZAEU	Future	29,425	15.9646	16.1175	15.9525	15.9525	5,235	83,570,334.00		
Sep 2019	ZAEU	Future	21,699	16.2810	16.4374	0.0000	0.0000	385	6,268,762.50		
Dec 2019	ZAEU	Future	17,899	16.5818	16.7438	0.0000	0.0000	0	0.00		
			<u>196,847</u>					<u>10,581.00</u>	<u>167,562,377.50</u>	16 148 492.00	233 264 964 188.80
Option											
Mar 2019	ZAEU	16.00 Call	650	196.1229	254.5300	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	55,000	242.4659	272.8358	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	13.73 Put	17,150	54.1612	49.0306	0.0000	0.0000	0	0.00		

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Dec 2019	ZAEU	16.15 Put	17,150	702.1857	639.6622	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	239.5858	254.6451	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		303,947					10,581.00	167,562,377.50	27 105 368.00
										233 264 964 188.80
Future										
Mar 2019	ZAFR	Future	1,143	13.8580	14.0076	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	14.1241	14.2771	0.0000	0.0000	0	0.00	
			<u>1,293</u>					<u>0.00</u>	<u>0.00</u>	<u>626 580.00</u>
	Total		1,293					0.00	0.00	626 580.00
										6 754 562 099.60
Future										
Mar 2019	ZAGB	Future	395,622	18.0539	18.1217	18.0725	18.0525	2	36,125.00	
Jun 2019	ZAGB	Future	5,764	18.3247	18.3931	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	15,609	18.6193	18.6903	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	Future	12,690	18.8970	18.9710	0.0000	0.0000	0	0.00	
			<u>429,685</u>					<u>2.00</u>	<u>36,125.00</u>	<u>13 823 088.00</u>
										236 380 681 627.30
Option										
Mar 2019	ZAGB	18.00 Put	500	357.5650	336.3168	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.00 Call	2,500	113.6441	134.0400	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	1222.8991	1171.7596	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	26.9522	33.2200	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	21.2446	26.4689	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	4.5122	6.0613	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		436,185					2.00	36,125.00	15 606 201.00
										236 380 681 627.30
Future										
Mar 2019	ZAJY	Future	10,000	0.1256	0.1271	0.0000	0.0000	10,000	125,063,000.00	
			<u>10,000</u>					<u>10,000.00</u>	<u>125,063,000.00</u>	<u>1 142 337.00</u>
	Total		10,000					10,000.00	125,063,000.00	52 077 212 053.60
										1 142 337.00
Future										
Jun 2019	ZAKS	Future	2,166	0.1334	0.1355	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
										38 066.00
Future										
Sep 2019	ZANZ	Future	213	9.6091	9.6462	0.0000	0.0000	0	0.00	
			<u>213</u>					<u>0.00</u>	<u>0.00</u>	<u>146 359.00</u>
	Total		213					0.00	0.00	1 123 547 250.60
										166 359.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Mar 2019	ZASD	Future	1,200	10.1330	10.2029	0.0000	0.0000	0	0.00		
			<u>1,200</u>					<u>0.00</u>	<u>0.00</u>	<u>10 726.00</u>	<u>109 054 884.50</u>
		Total	1,200					0.00	0.00	10 726.00	109 054 884.50
Future											
Mar 2019	ZATR	Future	25,000	2.5228	2.5567	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>420 239.00</u>	<u>1 320 654 069.00</u>
		Total	25,000					0.00	0.00	420 239.00	1 320 654 069.00
Future											
Mar 2019	ZAUM	Future	422	13.7108	13.8501	0.0000	0.0000	5	6,890,000.00		
Jun 2019	ZAUM	Future	5	13.8563	13.9971	0.0000	0.0000	0	0.00		
			<u>427</u>					<u>5.00</u>	<u>6,890,000.00</u>	<u>155 493.00</u>	<u>180 411 880 610.00</u>
		Total	427					5.00	6,890,000.00	160 016.00	180 411 880 610.00
Future											
Mar 2019	ZAUS	Future	557,548	13.7108	13.8501	13.8308	13.6997	63,048	868,786,631.50		
Jun 2019	ZAUS	Future	104,976	13.8563	13.9971	13.9381	13.8600	73,046	1,014,550,292.10		
Sep 2019	ZAUS	Future	14,284	14.0164	14.1598	14.0869	14.0525	49	689,728.50		
Dec 2019	ZAUS	Future	10,100	14.1681	14.3154	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	4,566	14.3341	14.4878	0.0000	0.0000	0	0.00		
			<u>691,474</u>					<u>136,143.00</u>	<u>1,884,026,652.10</u>	<u>194 335 185.00</u>	<u>2 342 564 875 244.80</u>
Option											
Mar 2019	ZAUS	10.33 Put	1,000	0.0638	0.0606	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	11.74 Put	1,000	1.5722	1.4318	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.47 Put	721	10.0909	6.6932	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.51 Put	720	11.6316	7.7973	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.80 Put	7,520	30.2025	21.6309	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.90 Put	16,000	40.7244	29.7286	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.92 Put	139,342	43.1547	31.6170	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.00 Put	15,434	54.0975	40.1850	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.05 Put	1,155	63.3553	46.4389	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.12 Put	138,000	78.1734	56.4865	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.15 Put	10,125	85.2201	61.2901	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.25 Put	225,407	111.9036	82.3307	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.33 Put	135,043	136.9456	102.4931	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.36 Put	134,750	147.2138	110.8570	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.46 Put	20,000	184.9668	142.0233	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.50 Put	17,050	201.6028	155.9411	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.55 Put	10,000	223.6363	174.5281	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	13.60 Put	6,570	247.0408	194.4466	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.62 Put	6,432	256.7839	202.7879	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	287.3096	229.0951	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	297.9126	238.2911	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	309.2547	247.6996	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	326.6600	262.2105	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	350.5850	282.2930	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	2,100	369.0527	297.9010	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	387.9581	313.9744	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	394.3560	319.6788	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	420.4088	342.9952	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	214.7918	273.3524	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	199.4557	254.7962	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	35,606	488.6557	404.6962	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	517.1252	430.6762	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	147.8229	191.4856	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	137.0805	178.1354	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	700.2059	600.4550	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	127.1051	165.6735	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	716.3051	615.5735	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	757.0452	653.9545	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	831.8527	725.0052	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	840.2641	733.0471	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	99.4995	131.2153	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	96.4400	127.4380	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	93.4744	123.7669	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	882.6744	773.6669	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	908.3927	798.3575	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	934.3052	823.2168	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	1013.1301	898.7904	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	1093.4267	976.1705	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	58.4855	78.7584	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	1156.7809	1037.4715	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	1165.8895	1046.3024	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	1175.0133	1055.1510	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1184.1509	1064.0170	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	42.8700	58.1476	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1369.5038	1244.6331	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1425.3857	1299.8921	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1444.0689	1318.4073	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1453.4282	1327.6820	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	31.7714	44.9912	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	15.19 Put	41,300	1509.8062	1383.5596	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1519.2384	1392.9091	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	28.9330	41.7383	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	27.3459	39.9057	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1633.1561	1505.1015	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	20.5691	30.4585	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	18.6888	27.8053	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	18.3327	27.3011	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	16.9730	25.3706	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	15.7095	23.5693	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	12.4381	18.8647	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	9.2632	14.2341	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	8.9045	13.7060	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	7.9072	12.2324	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	6.3539	9.9178	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	4.9001	7.7264	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	4.4326	7.0156	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	3.4825	5.5603	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	2.9639	4.7591	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	2.4638	3.2196	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	2.4483	3.0959	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	2.2335	2.7510	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	2.2290	2.7437	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	2.2074	2.7083	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	2.1836	2.6688	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	2.1798	2.6626	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	2.1761	2.6563	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	2.1330	2.5833	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	2.1135	2.5491	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	2.0700	2.4689	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	1.4170	2.3554	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	0.6729	1.1668	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	3.6999	3.2658	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	48.1300	42.7558	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	112.1570	92.9626	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	166.5753	139.9884	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	172.0318	144.7421	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	248.9194	210.7635	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	1,282	252.6539	213.8869	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	525.8727	461.7854	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	554.8071	488.2867	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	491.7058	560.6493	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	14.00 Put	143,900	627.8645	554.9571	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	672.3469	596.6112	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	758.3925	677.5944	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	792.6245	709.9463	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	349.6822	401.7388	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	309.0275	355.8271	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	1071.0537	975.5096	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	1086.5156	990.3634	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	257.0806	296.7761	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	208.0850	240.6237	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	176.1535	204.5729	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	152.9616	178.5761	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	139.3204	162.7673	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	137.1768	160.2796	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	121.2529	141.7713	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	113.1859	132.3755	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	110.6287	129.3934	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	104.1165	121.7927	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	97.2880	113.8151	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	30.4897	33.8475	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	7.8350	7.3120	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	131.3027	114.3344	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	343.5190	305.3675	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	0	663.8740	600.2926	0.0000	0.0000	81,930	0.00
Sep 2019	ZAUS	13.97 Put	800	698.4407	632.9392	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	770.1838	700.7450	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	845.1142	771.8472	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	923.0188	846.0957	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1710.6973	1607.1125	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1858.1352	1753.3161	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	265.6357	298.5745	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	138.4320	151.8961	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	119.7165	130.4859	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	111.6767	121.2883	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	108.8510	118.0538	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.29 Call	0	94.5353	105.1129	0.0000	0.0000	81,930	0.00
Sep 2019	ZAUS	18.47 Call	1,200	84.1370	97.2415	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.63 Call	33,715	75.7903	87.8185	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	47.8558	56.0651	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	60.5999	45.9980	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	589.8320	535.4560	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	814.5383	748.4012	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 2019	ZAUS	16.85	Call	1,351	276.5023	305.9302	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	17.38	Call	1,000	231.4318	252.9933	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00	Call	2,000	75.5577	88.2861	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	11.91	Put	1,000	73.8021	63.3510	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.01	Put	1,000	830.1412	767.9919	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.73	Call	1,000	327.0783	353.0761	0.0000	0.0000	0	0.00	
				<u>4,800,175</u>				<u>163,860.00</u>	<u>0.00</u>	<u>64 116 494.00</u>	<u>0.00</u>
	Total			5,491,649				300,003.00	1,884,026,652.10	258 451 679.00	2 342 564 875 244.80

Grand Total				6,848,434				372,781.00	2 192 190 629.00	353,432,193	3,292,959,969,732.23
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