



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 09-January-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Future											
Jan 2019	DAEU	Future	4,830	16.0256	15.9538	0.0000	0.0000	0	0.00		
Feb 2019	DAEU	Future	29	16.1506	16.0771	0.0000	0.0000	0	0.00		
Mar 2019	DAEU	Future	53	16.2010	16.1275	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	4	16.3077	16.2347	0.0000	0.0000	0	0.00		
			<u>4,916</u>					<u>0.00</u>	<u>0.00</u>	<u>811 219.00</u>	<u>12 127 142 593.00</u>
Option											
Aug 2019	DAEU	17.01 Put	16,200	1035.2171	1081.5707	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	230.1081	221.3911	0.0000	0.0000	0	0.00		
			<u>78,600</u>					<u>0.00</u>	<u>0.00</u>	<u>1 510 587.00</u>	<u>0.00</u>
Total			83,516					0.00	0.00	2 321 806.00	12 127 142 593.00
Future											
Jan 2019	DAGB	Future	4,112	17.7720	17.7552	0.0000	0.0000	0	0.00		
Jan 2019	DAGB	Future	27	17.7997	17.7840	0.0000	0.0000	0	0.00		
Feb 2019	DAGB	Future	47	17.8868	17.8690	0.0000	0.0000	0	0.00		
Mar 2019	DAGB	Future	80	17.9769	17.9593	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	43	18.0304	18.0129	0.0000	0.0000	0	0.00		
			<u>4,309</u>					<u>0.00</u>	<u>0.00</u>	<u>62 401.00</u>	<u>1 041 843 808.80</u>
Total			4,309					0.00	0.00	269 714.00	1 041 843 808.80
Future											
Jan 2019	DAUS	Future	125	13.8816	13.9176	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	174	13.8856	13.9242	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	20	13.8878	13.9258	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,901	13.8973	13.9339	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	51	13.9038	13.9403	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,018	13.9120	13.9484	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	2,002	13.9136	13.9500	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.9351	13.9710	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	6	13.9384	13.9744	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Feb 2019	DAUS	Future	15	13.9554	13.9915	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	6,102	13.9604	13.9966	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	74	13.9672	14.0035	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	80	13.9689	14.0052	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,731	14.0069	14.0437	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	5,111	14.0104	14.0472	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.0174	14.0543	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	260	14.0401	14.0773	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,180	14.0668	14.1040	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	475	14.1219	14.1592	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	74	14.1290	14.1663	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	105	14.1716	14.2090	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.1769	14.2144	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.2333	14.2709	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.2920	14.3298	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	74	14.2957	14.3335	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.3471	14.3850	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.3997	14.4381	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.4574	14.4964	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	321	14.4610	14.5001	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.5133	14.5529	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.5687	14.6089	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.6299	14.6700	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.6911	14.7311	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.7445	14.7844	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.8116	14.8514	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.9222	14.9618	0.0000	0.0000	0	0.00
			<u>108,684</u>					<u>0.00</u>	<u>0.00</u>
									<u>11 026 398.00</u>
									<u>135 569 387 853.00</u>
Option									
Jan 2019	DAUS	13.86 Put	174	108.7932	105.3291	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.00 Call	174	75.7269	99.3109	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.29 Put	218	425.8237	394.6910	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.36 Call	218	15.5625	20.7287	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	0.4413	0.7382	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.80 Put	25,000	111.3828	107.7133	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	13.7933	14.9806	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.80 Put	600	180.8728	172.7861	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.95 Put	731	257.6386	0.0000	0.0000	0.0000	731	0.00
Jan 2019	DAUS	14.00 Call	731	200.9394	0.0000	0.0000	0.0000	731	0.00
Jan 2019	DAUS	14.20 Call	600	134.7350	152.3957	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	421.1350	402.3957	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	457.9350	438.0555	0.0000	0.0000	0	0.00

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Jan 2019	DAUS	14.38 Call	500	92.5128	106.2527	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.55 Call	600	64.2262	74.8018	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	16.3695	20.4077	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	7.4179	9.4058	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	47.4343	45.2949	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.70 Put	600	235.6420	225.9660	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	508.7797	490.1285	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Call	600	252.8297	269.6148	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	542.4297	523.0148	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	179.3006	192.2884	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.75 Call	600	132.9877	143.3681	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	67.0379	73.0016	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	40.5261	44.7717	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	378.4077	364.5593	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	105.1061	112.6319	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	385.2587	371.3771	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	448.4503	432.9917	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	91.5641	87.7892	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	573.7703	554.6639	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	605.8541	586.1346	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	243.8042	256.2349	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	116.6806	123.5521	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	81.6126	86.7596	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	346.9210	334.1410	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	357.3639	373.3903	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	132.3541	127.7382	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	853.0032	880.2968	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	629.2966	610.8900	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	660.3647	641.4271	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	300.2452	312.7901	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	165.2575	173.2395	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	125.4359	131.7816	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	168.6449	163.8199	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	675.5771	657.9754	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	705.9324	687.8469	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	347.2520	359.9019	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	207.5109	216.4277	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	163.1810	170.4942	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	1039.3231	1017.8018	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	109.3409	113.7663	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	198.8711	193.9851	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	711.2077	694.2641	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	14.25 Put	250	741.0359	723.6605	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	382.4670	395.2662	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	240.1236	249.4520	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	194.0772	202.0337	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	347.0079	338.5267	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	189.1212	197.1623	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	229.8060	223.8690	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	747.5452	730.2995	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	776.9360	759.2692	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	425.4203	437.9431	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	280.6834	290.3792	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	232.8890	241.3566	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	930.5317	910.9384	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	275.8231	284.9597	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	255.1875	248.1187	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	776.6385	759.2052	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	805.8328	787.9936	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	456.5187	468.3805	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	311.6335	320.8471	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	262.6359	270.9925	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	116.3893	122.2545	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	278.3084	271.2880	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	801.3051	783.8007	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	830.3003	812.4572	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	489.7264	501.9609	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	343.6536	353.4726	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	291.9700	300.6868	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	302.0475	294.1001	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	826.3426	808.1557	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	855.1751	836.6606	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	516.5742	528.6809	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	371.5173	381.3833	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	320.3926	329.3129	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	322.5838	311.6818	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	847.3013	828.5622	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	875.9719	856.9126	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	542.6269	554.5372	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	398.5965	408.2997	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	347.7826	356.6663	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	340.3294	328.6075	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	867.4294	848.1685	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	895.9130	876.3263	0.0000	0.0000	0	0.00

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Dec 2019	DAUS	16.21 Call	500	568.2700	580.0021	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	427.4715	437.2019	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	377.8857	386.0751	0.0000	0.0000	0	0.00		
			<u>357,103</u>					<u>1,462.00</u>	<u>0.00</u>	<u>22 172 915.00</u>	<u>0.00</u>
	Total		465,787					1,462.00	0.00	33 199 313.00	135 569 387 853.00
Future											
Mar 2019	EUUS	Future	5	1.1587	1.1504	1.1609	1.1608	20	232,165.00		
Jun 2019	EUUS	Future	582	1.1674	1.1591	0.0000	0.0000	0	0.00		
			<u>587</u>					<u>20.00</u>	<u>232,165.00</u>	<u>745 402.00</u>	<u>8 456 173 900.00</u>
	Total		587					20.00	232,165.00	745 402.00	8 456 173 900.00
Future											
Mar 2019	GBUS	Future	400	1.2824	1.2778	0.0000	0.0000	0	0.00		
			<u>400</u>					<u>0.00</u>	<u>0.00</u>	<u>171 217.00</u>	<u>2 202 983 633.00</u>
	Total		400					0.00	0.00	171 217.00	2 202 983 633.00
Future											
Mar 2019	ZAAD	Future	7,365	10.0597	10.0285	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	15,741	10.1851	10.1537	0.0000	0.0000	0	0.00		
Sep 2019	ZAAD	Future	650	10.3239	10.2913	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.4534	10.4213	0.0000	0.0000	0	0.00		
			<u>24,156</u>					<u>0.00</u>	<u>0.00</u>	<u>3 845 849.00</u>	<u>33 691 964 036.90</u>
Option											
Dec 2019	ZAAD	11.00 Call	1,000	372.3847	363.1303	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		25,156					0.00	0.00	3 880 226.00	33 691 964 036.90
Future											
Mar 2019	ZACA	Future	500	10.5980	10.5754	0.0000	0.0000	0	0.00		
Jun 2019	ZACA	Future	650	10.7353	10.7123	0.0000	0.0000	0	0.00		
Sep 2019	ZACA	Future	250	10.8840	10.8604	0.0000	0.0000	0	0.00		
			<u>1,400</u>					<u>0.00</u>	<u>0.00</u>	<u>148 763.00</u>	<u>1 474 780 520.10</u>
	Total		1,400					0.00	0.00	148 763.00	1 474 780 520.10
Future											
Mar 2019	ZAEU	Future	135,066	16.2111	16.1378	16.2677	16.2130	15,087	244,290,994.70		
Jun 2019	ZAEU	Future	24,300	16.5155	16.4413	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	Future	10,175	16.8516	16.7758	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	Future	277	17.1666	17.0922	0.0000	0.0000	0	0.00		
			<u>169,818</u>					<u>15,087.00</u>	<u>244,290,994.70</u>	<u>16 049 783.00</u>	<u>231 668 205 143.20</u>

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Option										
Mar 2019	ZAEU	16.00 Call	650	552.0163	516.1925	0.0000	0.0000	0	0.00	
Sep 2019	ZAEU	18.60 Call	55,000	451.9981	435.1151	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	13.73 Put	17,150	66.8242	72.7994	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	16.15 Put	17,150	590.3788	618.7210	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	371.6835	364.9406	0.0000	0.0000	0	0.00	
			<u>107,100</u>					<i>0.00</i>	<i>0.00</i>	<i>10 956 876.00</i>
		Total	276,918					15,087.00	244,290,994.70	27 006 659.00 231 668 205 143.20
Future										
Mar 2019	ZAFR	Future	1,043	14.4399	14.3843	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	14.7250	14.6704	0.0000	0.0000	0	0.00	
			<u>1,193</u>					<i>0.00</i>	<i>0.00</i>	<i>626 130.00</i>
		Total	1,193					0.00	0.00	626 130.00 6 748 085 054.60
Future										
Mar 2019	ZAGB	Future	396,573	17.9423	17.9247	18.0200	18.0046	507	9,131,953.60	
Jun 2019	ZAGB	Future	5,764	18.2195	18.2014	18.2965	18.2965	500	9,148,250.00	
Sep 2019	ZAGB	Future	16,660	18.5210	18.5028	18.5847	18.5847	15	278,770.50	
Dec 2019	ZAGB	Future	247	18.8011	18.7847	0.0000	0.0000	0	0.00	
			<u>419,244</u>					<i>1,022.00</i>	<i>18,558,974.10</i>	<i>13 789 781.00</i>
										<i>235 754 247 224.10</i>
Option										
Mar 2019	ZAGB	18.00 Put	500	544.9556	561.6629	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.00 Call	2,500	188.2233	188.5863	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	1403.4585	1421.5729	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	66.6917	67.6254	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	54.2799	55.4918	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	12.2025	13.5392	0.0000	0.0000	0	0.00	
			<u>6,500</u>					<i>0.00</i>	<i>0.00</i>	<i>1 783 113.00</i>
		Total	425,744					1,022.00	18,558,974.10	15 572 894.00 235 754 247 224.10
Future										
Jun 2019	ZAKS	Future	2,166	0.1356	0.1362	0.0000	0.0000	0	0.00	
			<u>2,166</u>					<i>0.00</i>	<i>0.00</i>	<i>38 066.00</i>
		Total	2,166					0.00	0.00	38 066.00 515 662 000.00
Future										
Sep 2019	ZANZ	Future	213	9.7720	9.6887	0.0000	0.0000	0	0.00	
			<u>213</u>					<i>0.00</i>	<i>0.00</i>	<i>146 359.00</i>
		Total	213					0.00	0.00	166 359.00 1 123 547 250.60

<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											
Mar 2019	ZATR	Future	19,000	2.4651	2.4667	0.0000	0.0000	0	0.00		
			<u>19,000</u>					<u>0.00</u>	<u>0.00</u>	<u>414 239.00</u>	<u>1 305 945 069.00</u>
		Total	19,000					0.00	0.00	414 239.00	1 305 945 069.00
Future											
Mar 2019	ZAUM	Future	422	13.9912	14.0278	0.0000	0.0000	0	0.00		
			<u>422</u>					<u>0.00</u>	<u>0.00</u>	<u>155 373.00</u>	<u>180 244 770 260.00</u>
		Total	422					0.00	0.00	159 896.00	180 244 770 260.00
Future											
Mar 2019	ZAUS	Future	505,311	13.9912	14.0278	14.1207	13.9723	84,360	1,187,118,294.40		
Jun 2019	ZAUS	Future	112,532	14.1467	14.1841	0.0000	0.0000	32	454,000.00		
Sep 2019	ZAUS	Future	14,250	14.3177	14.3556	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	Future	9,900	14.4772	14.5165	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	4,566	14.6576	14.6976	0.0000	0.0000	0	0.00		
			<u>646,559</u>					<u>84,392.00</u>	<u>1,187,572,294.40</u>	<u>193 660 067.00</u>	<u>2 333 176 913 878.80</u>
Option											
Mar 2019	ZAUS	10.33 Put	1,000	0.3594	0.3733	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	11.74 Put	1,000	7.0217	7.2325	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.47 Put	721	22.4111	22.7413	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.51 Put	720	23.9067	24.2350	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.80 Put	8,132	46.6816	44.6435	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.90 Put	16,000	59.4253	56.8716	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.92 Put	139,342	62.2680	59.6004	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.00 Put	15,434	74.6922	71.5360	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.05 Put	1,155	83.3575	79.8665	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.12 Put	138,000	96.7224	92.7254	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.15 Put	10,125	102.9113	98.6823	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.25 Put	225,407	125.6346	120.5756	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.33 Put	135,043	146.7135	140.4576	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.36 Put	134,750	155.5153	148.6263	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.46 Put	20,000	187.3574	179.3267	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.50 Put	17,050	201.1928	192.6827	0.0000	0.0000	5,000	0.00		
Mar 2019	ZAUS	13.55 Put	10,000	219.3799	210.2574	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.60 Put	6,570	238.5640	228.8140	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.62 Put	6,432	246.5205	236.5162	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.68 Put	14,200	271.3478	260.5688	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.70 Put	2,500	279.9472	268.9041	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.72 Put	10,000	288.7048	277.3984	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.75 Put	17,981	302.1417	290.4387	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.79 Put	262,812	320.6189	308.3788	0.0000	0.0000	0	0.00		

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Mar 2019	ZAUS	13.82 Put	1,800	334.8927	322.2475	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	349.5249	336.4726	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	354.4803	341.2934	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	374.6959	360.9622	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	442.0367	464.2211	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	419.1372	440.6352	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	35,606	427.9372	412.8352	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	451.1294	434.6463	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	340.8975	358.5873	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	323.5141	340.5313	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	602.2765	582.2959	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	306.9443	323.3019	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	615.7443	595.5019	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	649.9649	629.0770	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	713.4554	691.4445	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	720.6555	698.5219	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	259.0838	273.4282	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	253.6217	267.7262	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	248.2717	262.1391	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	757.0717	734.3391	0.0000	0.0000	10,000	0.00
Mar 2019	ZAUS	14.53 Put	108	779.2467	756.1622	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	801.6590	778.2287	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	870.2612	845.8349	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	940.7575	915.4218	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	179.9217	190.6265	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	996.7909	970.8035	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	1004.8788	978.7997	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	1012.9891	986.8189	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1021.1176	994.8590	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	144.9835	153.9765	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1187.6632	1159.7431	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1238.9707	1210.6015	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1256.1992	1227.6833	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1264.8353	1236.2487	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	120.7316	128.4626	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1316.9666	1287.9606	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1325.7044	1296.6316	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	114.4233	121.8153	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	110.8044	117.9994	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1431.6132	1401.7668	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	94.4124	100.6954	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	89.2828	95.5312	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	15.46 Call	108	88.2922	94.4821	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	84.4363	90.4008	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	82.5722	88.4290	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	80.7513	86.4994	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	70.6505	75.7889	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	59.8228	64.2858	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	58.5152	62.8955	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	54.7659	58.9053	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	48.5297	52.2597	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	42.1071	45.4059	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	39.8821	43.0276	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	35.0341	37.8419	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	32.1536	34.7569	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	26.0065	28.1634	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	25.4651	27.5822	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	16.6720	18.3802	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	16.4479	18.1329	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	15.3703	16.9427	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	14.1658	15.6122	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	13.9741	15.4004	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	13.7848	15.1912	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	11.5383	12.7071	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	10.4792	11.5353	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	7.9448	8.7302	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	3.9386	4.2958	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	2.1341	2.3450	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	5.8489	6.0222	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	64.1215	62.6429	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	128.0966	125.7220	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	179.2513	174.4786	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	184.2813	179.3677	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	252.3018	245.5371	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	1,282	255.4505	248.6024	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	492.6361	479.1862	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	517.7633	503.8194	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	736.6808	759.1604	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	143,900	580.7352	565.6162	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	619.1716	603.3745	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	694.0912	676.7272	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	724.1810	706.3688	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	557.5087	575.5975	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	503.6185	520.3556	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	14.63 Put	8,203	971.1539	950.0851	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	984.9880	963.7601	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	432.3391	447.1812	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	363.2622	375.9546	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	317.4363	328.8269	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	284.6725	295.0914	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	264.1471	274.5347	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	260.7936	271.0806	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	235.5223	245.0305	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	222.4587	231.5556	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	218.2804	227.2433	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	207.5383	216.1538	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	196.1285	204.3707	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	75.8917	79.3595	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	10.0731	10.4018	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	137.1841	131.2082	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	347.7899	338.5054	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	631.9421	615.8944	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	663.3542	646.8421	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	728.4324	711.0084	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	796.4346	778.1227	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	867.1398	848.0757	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1587.7968	1562.5335	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1727.3088	1701.2469	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	422.2826	433.3962	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	234.5973	240.8904	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	206.0161	211.7656	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	193.5218	199.0303	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	189.0923	194.5198	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.29 Call	81,930	171.1814	176.2645	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	163.3254	168.2584	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.63 Call	33,715	155.5692	161.6940	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	107.4071	112.7551	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	66.1031	62.0261	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	580.5621	565.6851	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	784.0389	765.8466	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	425.6236	435.5244	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	355.7317	364.5790	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	151.3930	157.7972	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	11.91 Put	1,000	99.4819	94.3710	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	14.01 Put	1,000	810.9685	792.2641	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	17.73 Call	1,000	475.6900	483.6928	0.0000	0.0000	0	0.00

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		4,964,349					15,000.00	0.00
	Total	5,610,908					99,392.00	1,187,572,294.40
	Grand Total	6,917,719					116,983.00	1 450 654 428.20
								352,128,549
								3,240,332,343,695.43