



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 13-August-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	510.4873	563.1499	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>25 000.00</u>	<u>7 830 750.00</u>
		Total	25,000					0.00	0.00	25 000.00	7 830 750.00
Future											
Nov 2018	CX05	Future	25,000	535.0281	461.6885	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>25 000.00</u>	<u>4 449 500.00</u>
		Total	25,000					0.00	0.00	25 000.00	4 449 500.00
Future											
Sep 2018	DAEU	Future	34	16.4121	16.1263	0.0000	0.0000	0	0.00		
			<u>34</u>					<u>0.00</u>	<u>0.00</u>	<u>801 260.00</u>	<u>11 964 751 196.80</u>
		Total	34					0.00	0.00	1 758 047.00	11 964 751 196.80
Future											
Sep 2018	DAGB	Future	14	18.4210	18.0739	0.0000	0.0000	0	0.00		
			<u>14</u>					<u>0.00</u>	<u>0.00</u>	<u>53 769.00</u>	<u>882 198 966.30</u>
		Total	14					0.00	0.00	261 082.00	882 198 966.30
Future											
Aug 2018	DAUS	Future	0	14.2410	14.0392	0.0000	0.0000	70	1,015,000.00		
Aug 2018	DAUS	Future	4,144	14.3124	14.0392	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	600	14.3197	14.0481	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	3,299	14.3400	14.0681	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	14.3456	14.0736	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	5,532	14.3919	14.1190	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	14.3993	14.1262	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	14.4272	14.1535	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.4425	14.1682	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.4502	14.1755	0.0000	0.0000	0	0.00		

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Oct 2018	DAUS	Future	3,442	14.4540	14.1792	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	14.4559	14.1810	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.4788	14.2030	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	420	14.4846	14.2085	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.5092	14.2324	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	3,197	14.5111	14.2343	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,078	14.5699	14.2913	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.5737	14.2950	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.6268	14.3465	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	14.6287	14.3484	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.6533	14.3723	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	14.6822	14.4003	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	14.7344	14.4507	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.7459	14.4619	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.8000	14.5143	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.8603	14.5724	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.9210	14.6307	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.9816	14.6891	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	15.0496	14.7526	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.1173	14.8144	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.1827	14.8741	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	15.2549	14.9400	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.3248	15.0038	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.3902	15.0635	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.4602	15.1273	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.5301	15.1911	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.5910	15.2467	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.6677	15.3167	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.7940	15.4320	0.0000	0.0000	0	0.00		
			<u>121,674</u>					<u>70.00</u>	<u>1,015,000.00</u>	<u>10 523 942.00</u>	<u>128 365 783 389.90</u>
Option											
Aug 2018	DAUS	13.18 Put	350	1.3046	2.0267	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.22 Call	350	1093.9824	821.7340	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.43 Put	106	4.2725	7.8673	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.55 Call	106	769.8002	503.7162	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.35 Put	20,000	9.5366	8.0672	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.60 Put	20,000	16.7990	28.5830	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	0	36.8622	67.1029	0.0000	0.0000	20,000	0.00		
Aug 2018	DAUS	14.20 Put	20,000	136.6195	0.0000	0.0000	0.0000	20,000	0.00		
Aug 2018	DAUS	13.21 Put	50,000	14.2694	8.0860	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.00 Put	500	12.5778	13.2002	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.65 Call	500	752.7420	507.9553	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>
Aug 2018	DAUS	13.80 Put	1,000	97.2174	138.0243	0.0000	0.0000	0	0.00
Aug 2018	DAUS	14.25 Put	250	269.5916	0.0000	0.0000	0.0000	250	0.00
Aug 2018	DAUS	14.42 Call	250	284.0446	0.0000	0.0000	0.0000	250	0.00
Aug 2018	DAUS	16.05 Call	500	25.8364	5.4860	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	10.9812	1.9152	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.43 Put	10,000	48.6344	60.3373	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.44 Put	15,000	49.8777	62.2771	0.0000	0.0000	0	0.00
Sep 2018	DAUS	12.90 Put	100	10.8655	14.1981	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.09 Put	600	19.7660	25.0316	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.32 Call	600	1071.0259	808.2137	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.45 Call	100	956.4544	698.9121	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Call	100	678.7464	451.3886	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.90 Call	600	610.5546	392.6840	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	42.2260	57.4383	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	35.9321	40.3026	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	801.0240	569.3763	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	195.9849	238.5218	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	390.7012	0.0000	0.0000	0.0000	250	0.00
Sep 2018	DAUS	14.54 Call	250	409.3543	0.0000	0.0000	0.0000	250	0.00
Sep 2018	DAUS	16.25 Call	500	87.5358	34.0715	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	53.7437	18.3880	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.51 Call	0	1054.7448	801.1283	0.0000	0.0000	10,000	0.00
Oct 2018	DAUS	13.20 Put	1,630	96.8875	104.0451	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	772.7993	546.5390	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	76.8554	79.2560	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	274.1111	308.0233	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	850.6045	616.5466	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	478.2103	0.0000	0.0000	0.0000	250	0.00
Oct 2018	DAUS	14.67 Call	250	508.0005	0.0000	0.0000	0.0000	250	0.00
Oct 2018	DAUS	16.47 Call	500	149.0441	70.7629	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	104.3404	45.6465	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	17.0471	14.7434	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	307.0266	342.5925	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	129.1714	59.7102	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	6.0535	3.5984	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	13.1205	11.9983	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1401.3239	1130.3952	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	109.9965	111.3723	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	325.2683	357.4480	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	879.7861	647.9942	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	534.1119	0.0000	0.0000	0.0000	250	0.00
Nov 2018	DAUS	14.82 Call	250	565.3452	0.0000	0.0000	0.0000	250	0.00

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Nov 2018	DAUS	16.70 Call	500	192.8258	101.1135	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	139.0991	70.2218	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	286.8923	309.8021	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	371.1703	229.7799	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	170.4905	179.2569	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	195.2760	206.2580	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	692.1035	489.0822	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	658.8495	460.8865	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	137.5016	141.2482	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	365.9989	398.5827	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	911.5558	682.7503	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	577.3110	0.0000	0.0000	0.0000	250	0.00
Dec 2018	DAUS	14.96 Put	250	1006.3089	0.0000	0.0000	0.0000	250	0.00
Dec 2018	DAUS	16.93 Call	500	229.9791	129.1011	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	173.5927	95.8440	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	94.9365	98.1109	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	163.3978	170.9184	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	616.5614	0.0000	0.0000	0.0000	250	0.00
Jan 2019	DAUS	14.38 Call	500	935.6212	709.5578	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	655.4883	0.0000	0.0000	0.0000	250	0.00
Feb 2019	DAUS	13.00 Put	500	182.0710	193.7882	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	646.6717	0.0000	0.0000	0.0000	250	0.00
Feb 2019	DAUS	14.52 Call	500	958.5653	732.9028	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	690.8453	0.0000	0.0000	0.0000	250	0.00
Mar 2019	DAUS	13.00 Put	500	198.5289	214.5769	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	673.8527	0.0000	0.0000	0.0000	250	0.00
Mar 2019	DAUS	14.67 Call	500	979.9113	753.5900	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	720.3230	0.0000	0.0000	0.0000	250	0.00
Apr 2019	DAUS	13.00 Put	3,000	215.0793	233.9781	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1685.2623	1412.9276	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	699.4542	0.0000	0.0000	0.0000	250	0.00
Apr 2019	DAUS	14.84 Call	500	999.7039	772.2417	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	748.1343	0.0000	0.0000	0.0000	250	0.00
May 2019	DAUS	13.00 Put	500	234.0247	251.4952	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	723.7711	0.0000	0.0000	0.0000	250	0.00
May 2019	DAUS	15.01 Call	500	1018.6719	790.1821	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	775.0631	0.0000	0.0000	0.0000	250	0.00
Jun 2019	DAUS	13.00 Put	500	247.0057	262.1074	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	743.0701	0.0000	0.0000	0.0000	250	0.00
Jun 2019	DAUS	15.17 Call	500	1032.8207	803.3518	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	795.8907	0.0000	0.0000	0.0000	250	0.00
Jul 2019	DAUS	13.45 Put	39,250	408.3716	418.3641	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	16.44 Call	39,250	695.1636	508.8763	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	263.2421	273.9228	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	764.0284	0.0000	0.0000	0.0000	250	0.00		
Jul 2019	DAUS	15.34 Call	500	1055.3764	823.9843	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	824.3212	0.0000	0.0000	0.0000	250	0.00		
Aug 2019	DAUS	14.48 Put	3,950	894.7967	0.0000	0.0000	0.0000	3,950	0.00		
Aug 2019	DAUS	16.35 Call	3,950	802.1057	0.0000	0.0000	0.0000	7,900	0.00		
Aug 2019	DAUS	13.00 Put	500	281.3781	279.5808	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	785.0728	0.0000	0.0000	0.0000	250	0.00		
Aug 2019	DAUS	15.52 Call	500	1074.8253	834.2574	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	849.6860	0.0000	0.0000	0.0000	250	0.00		
Sep 2019	DAUS	13.00 Put	500	300.4288	291.9715	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	805.5746	0.0000	0.0000	0.0000	250	0.00		
Sep 2019	DAUS	15.68 Call	500	1107.0590	851.3675	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	885.2938	0.0000	0.0000	0.0000	250	0.00		
Sep 2019	DAUS	16.50 Put	0	2272.4938	0.0000	0.0000	0.0000	500	0.00		
Oct 2019	DAUS	13.00 Put	500	318.2534	301.0274	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	825.7473	0.0000	0.0000	0.0000	250	0.00		
Oct 2019	DAUS	15.87 Call	500	1130.8975	861.2138	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	913.7521	0.0000	0.0000	0.0000	250	0.00		
Nov 2019	DAUS	13.00 Put	500	335.2759	307.1002	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	842.8150	0.0000	0.0000	0.0000	250	0.00		
Nov 2019	DAUS	16.03 Call	500	1157.9042	875.1641	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	943.5856	0.0000	0.0000	0.0000	250	0.00		
Dec 2019	DAUS	13.00 Put	500	352.9043	315.7812	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	859.5834	0.0000	0.0000	0.0000	250	0.00		
Dec 2019	DAUS	16.21 Call	500	1185.7574	889.1540	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	976.4410	0.0000	0.0000	0.0000	250	0.00		
			<u>471,822</u>					<u>70,850.00</u>	<u>0.00</u>	<u>19 786 427.00</u>	<u>0.00</u>
Total			593,496					70,920.00	1,015,000.00	30 310 369.00	128 365 783 389.90
Option											
Aug 2018	DAYJ	8.07 Call	0	118.9565	338.2896	0.0000	0.0000	26,000	0.00		
Aug 2018	DAYJ	8.07 Put	0	3507.9565	2297.2896	0.0000	0.0000	26,000	0.00		
Aug 2018	DAYJ	8.27 Call	13,000	33.8458	86.2398	0.0000	0.0000	0	0.00		
Aug 2018	DAYJ	8.35 Call	20,000	21.8876	62.6403	0.0000	0.0000	0	0.00		
Sep 2018	DAYJ	8.26 Call	25,000	97.8353	168.7505	0.0000	0.0000	0	0.00		
			<u>58,000</u>					<u>52,000.00</u>	<u>0.00</u>	<u>50 000.00</u>	<u>0.00</u>
Total			58,000					52,000.00	0.00	50 000.00	0.00
Future											
Sep 2018	EUUS	Future	240	1.1444	1.1462	0.0000	0.0000	0	0.00		

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			240					0.00	0.00	729 624.00	8 272 439 727.00
		Total	240					0.00	0.00	729 624.00	8 272 439 727.00
Future											
	Sep 2018	GBUS	Future	14	1.2793	1.2795	0.0000	0.0000	0	0.00	
				14					0.00	0.00	167 353.00
		Total	14					0.00	0.00	167 353.00	2 152 976 011.00
Future											
	Sep 2018	ZAAD	Future	11,735	10.4671	10.3177	10.5447	10.5447	373	3,904,096.50	
	Dec 2018	ZAAD	Future	11,822	10.5917	10.4385	10.6950	10.6950	1	10,695.00	
	Mar 2019	ZAAD	Future	510	10.7306	10.5733	0.0000	0.0000	0	0.00	
	Jun 2019	ZAAD	Future	4,929	10.8664	10.7052	0.0000	0.0000	0	0.00	
				28,996					374.00	3,914,791.50	3 688 473.00
		Total	28,996					374.00	3,914,791.50	3 720 850.00	32 038 639 749.60
Future											
	Dec 2018	ZACA	Future	590	11.1133	10.9194	0.0000	0.0000	0	0.00	
				590					0.00	0.00	137 623.00
		Total	590					0.00	0.00	137 623.00	1 354 709 052.10
Future											
	Sep 2018	ZADK	Future	245	2.2132	2.1742	0.0000	0.0000	0	0.00	
	Dec 2018	ZADK	Future	235	2.2565	2.2163	0.0000	0.0000	0	0.00	
				480					0.00	0.00	12 085.00
		Total	480					0.00	0.00	12 085.00	259 978 669.00
Future											
	Sep 2018	ZAEU	Future	129,499	16.4461	16.1598	16.7298	16.4306	3,267	53,835,631.80	
	Dec 2018	ZAEU	Future	36,183	16.7519	16.4577	16.9120	16.8455	750	12,667,375.00	
	Mar 2019	ZAEU	Future	4,686	17.0988	16.7950	0.0000	0.0000	0	0.00	
	Jun 2019	ZAEU	Future	5,256	17.4308	17.1185	0.0000	0.0000	0	0.00	
				175,624					4,017.00	66,503,006.80	15 143 334.00
		Total	175,624					4,017.00	66,503,006.80	15 143 334.00	216 435 716 241.90
Option											
	Sep 2018	ZAEU	13.50 Put	29,734	4.1315	1.7823	0.0000	0.0000	0	0.00	
	Sep 2018	ZAEU	14.25 Put	57,090	8.2549	5.8680	0.0000	0.0000	0	0.00	
	Sep 2018	ZAEU	15.85 Put	86,824	191.4381	201.4172	0.0000	0.0000	0	0.00	
	Sep 2018	ZAEU	16.76 Call	29,734	341.5643	158.6868	0.0000	0.0000	0	0.00	
	Sep 2018	ZAEU	19.56 Call	86,824	21.0108	3.3025	0.0000	0.0000	0	0.00	
	Mar 2019	ZAEU	16.00 Call	650	1566.8150	1230.5980	0.0000	0.0000	0	0.00	
				290,856					0.00	0.00	8 025 012.00
		Total	290,856					0.00	0.00	8 025 012.00	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Total			466,480					4,017.00	66,503,006.80	23 168 346.00	216 435 716 241.90
Future											
Sep 2018	ZAFR	Future	1,975	14.5035	14.2342	0.0000	0.0000	0	0.00		
Dec 2018	ZAFR	Future	650	14.7868	14.5099	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	15.4190	15.1227	0.0000	0.0000	100	1,553,100.00		
			<u>2,775</u>					<u>100.00</u>	<u>1,553,100.00</u>	616 425.00	6 604 138 630.30
Total			2,775					100.00	1,553,100.00	616 425.00	6 604 138 630.30
Future											
Sep 2018	ZAGB	Future	197,610	18.3857	18.0394	18.6000	18.3632	169	3,122,697.40		
Dec 2018	ZAGB	Future	21,246	18.6717	18.3165	18.6466	18.6466	7,005	130,807,733.00		
Mar 2019	ZAGB	Future	4,932	18.9951	18.6303	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,156	19.3014	18.9269	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	4,645	19.6486	19.2578	0.0000	0.0000	0	0.00		
			<u>234,589</u>					<u>7,174.00</u>	<u>133,930,430.40</u>	11 989 320.00	201 937 288 756.00
Total			234,589					7,174.00	133,930,430.40	13 763 433.00	201 937 288 756.00
Future											
Sep 2018	ZAJY	Future	6,873	0.1300	0.1276	0.0000	0.0000	6,891	90,991,565.40		
			<u>6,873</u>					<u>6,891.00</u>	<u>90,991,565.40</u>	1 001 040.00	11 183 195 529.30
Total			6,873					6,891.00	90,991,565.40	1 001 040.00	11 183 195 529.30
Future											
Sep 2018	ZAKS	Future	562	0.1419	0.1392	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,093	0.1394	0.1380	0.0000	0.0000	0	0.00		
			<u>1,655</u>					<u>0.00</u>	<u>0.00</u>	35 358.00	476 333 960.00
Total			1,655					0.00	0.00	35 358.00	476 333 960.00
Future											
Sep 2018	ZATR	Future	17,270	2.0439	2.1776	0.0000	0.0000	0	0.00		
			<u>17,270</u>					<u>0.00</u>	<u>0.00</u>	324 699.00	1 098 262 645.00
Total			17,270					0.00	0.00	324 699.00	1 098 262 645.00
Future											
Sep 2018	ZAUM	Future	360	14.3714	14.0990	14.3497	14.3497	5	7,174,850.00		
Dec 2018	ZAUM	Future	70	14.5377	14.2600	14.6967	14.5215	110	160,784,100.00		
Mar 2019	ZAUM	Future	5	14.7170	14.4339	0.0000	0.0000	0	0.00		
			<u>435</u>					<u>115.00</u>	<u>167,958,950.00</u>	152 281.00	175 747 495 220.00
Total			435					115.00	167,958,950.00	156 804.00	175 747 495 220.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Future									
Sep 2018	ZAUS	Future	516,067	14.3714	14.0990	14.6484	14.2900	222,357	3,224,473,271.10
Dec 2018	ZAUS	Future	103,347	14.5377	14.2600	14.7700	14.4542	4,269	62,518,213.00
Mar 2019	ZAUS	Future	9,325	14.7170	14.4339	14.9559	14.3789	3,025	44,355,794.00
Jun 2019	ZAUS	Future	16,910	14.8877	14.5987	0.0000	0.0000	1,720	25,587,538.00
Sep 2019	ZAUS	Future	8,550	15.0812	14.7815	0.0000	0.0000	17,100	260,252,835.00
			<u>654,199</u>					<u>248,471.00</u>	<u>3,617,187,651.10</u>
									<u>180 738 188.00</u>
									<u>2 143 957 802 454.40</u>
Option									
Sep 2018	ZAUS	11.48 Put	5,200	2.4707	1.3451	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	2.5880	1.3828	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	2.8912	1.5897	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	3.4213	1.9666	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	3.8343	2.2723	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	4.0615	2.4447	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	4.5627	2.8351	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	2127.5537	1853.1564	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	6.1537	4.1564	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	6.5434	4.4974	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	7.2277	5.1110	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	1879.8162	1605.2197	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	44,000	8.4162	6.2197	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	9.3352	7.1112	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	9.7097	7.4827	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	10.2367	8.0132	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	1613.4316	1340.4929	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	1583.9368	1311.8756	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Put	500	12.5368	12.8756	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	13.4356	15.4843	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	1391.6800	1125.0109	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	72,000	20.2800	26.0109	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.10 Put	2,500	27.9507	35.7653	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	1209.1309	947.1838	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	37.7309	48.1838	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	10,000	39.9697	51.0247	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	1164.9172	904.5221	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	43.5172	55.5221	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	500	1121.3564	862.6809	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	954.4468	705.4529	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	875.9145	633.6217	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	104.5145	134.6217	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	837.9983	599.4210	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.66 Call	100	830.6320	592.7202	0.0000	0.0000	0	0.00

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Sep 2018	ZAUS	14.00 Call	60,000	604.6221	393.4576	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	233.2221	294.4576	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	494.4135	304.6820	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.50 Call	500	362.5398	0.0000	0.0000	0.0000	500	0.00
Sep 2018	ZAUS	14.70 Call	63,000	294.8980	159.6249	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	216.0473	107.0959	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	78.5281	28.0193	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	72.8053	25.3468	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	65.3727	21.9736	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	55.6823	17.7545	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	14.3615	14.7857	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	17.4732	17.9091	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	22.9558	23.1073	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	27.3681	27.2726	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	28.3306	28.1802	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	32.4731	32.0835	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	38.3510	37.6207	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	41.6061	40.6887	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	51.1522	49.7007	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	2099.1918	1819.4983	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	61.4918	59.4983	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	74.5454	71.9339	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	80.1239	77.2720	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	88.4903	85.3064	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	116.2652	116.0346	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1661.8741	1385.9162	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	130,670	124.1741	125.9162	0.0000	0.0000	156,570	0.00
Dec 2018	ZAUS	13.10 Put	11,300	141.2587	147.4576	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1501.0372	1231.4662	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	168.0228	176.5728	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1462.9215	1194.4284	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	27,800	175.2215	184.4284	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1316.3172	1052.9201	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	228.6172	242.9201	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	1281.1696	1019.2486	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	243.4696	259.2486	0.0000	0.0000	20,000	0.00
Dec 2018	ZAUS	13.60 Put	66,000	275.0243	295.2229	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	309.0764	335.3858	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	312.6218	339.5686	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	327.0477	0.0000	0.0000	0.0000	1,400	0.00
Dec 2018	ZAUS	13.78 Call	100	1095.8367	849.6750	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	341.8818	374.0963	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.80 Call	3,264	1083.3552	838.5440	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	345.6552	378.5440	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	997.4819	758.8128	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	21,010	970.2071	733.6848	0.0000	0.0000	30,000	0.00
Dec 2018	ZAUS	14.10 Put	1,867	479.9472	0.0000	0.0000	0.0000	1,867	0.00
Dec 2018	ZAUS	14.13 Call	20,000	902.3884	671.6546	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	121,970	504.6449	0.0000	0.0000	0.0000	121,970	0.00
Dec 2018	ZAUS	14.16 Put	17,300	509.6617	0.0000	0.0000	0.0000	17,300	0.00
Dec 2018	ZAUS	14.25 Put	700	555.9558	0.0000	0.0000	0.0000	700	0.00
Dec 2018	ZAUS	14.33 Call	100	806.5050	585.9856	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	797.4624	578.1079	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	784.0765	566.4861	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	757.9562	543.9106	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	692.5003	487.9143	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	688.6162	484.6106	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	684.7540	481.3291	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	654.6460	455.8591	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	636.5195	440.6379	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	618.9068	425.9291	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	605.1817	414.5229	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	100	553.4020	372.1418	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	550.3243	369.6719	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	526.3624	350.5430	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	509.1283	336.8969	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	429.8522	0.0000	0.0000	0.0000	3,734	0.00
Dec 2018	ZAUS	15.48 Call	29,600	425.2621	271.5273	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	378.3295	235.8735	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	17,300	349.7979	0.0000	0.0000	0.0000	34,600	0.00
Dec 2018	ZAUS	15.91 Call	121,970	339.1019	0.0000	0.0000	0.0000	121,970	0.00
Mar 2019	ZAUS	10.33 Put	1,000	11.6598	7.2433	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	19.6516	25.1136	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	40.1853	48.2079	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	87.4804	97.9344	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	93.5896	104.2505	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	7,028	193.7234	0.0000	0.0000	0.0000	14,056	0.00
Mar 2019	ZAUS	13.45 Call	4,145	1592.7679	1325.1558	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	329.0557	344.7554	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	433.3299	455.9435	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	477.4377	506.4353	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	494.0908	525.5059	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	679.6209	0.0000	0.0000	0.0000	7,028	0.00
Mar 2019	ZAUS	14.30 Call	500	1107.3033	869.9990	0.0000	0.0000	0	0.00

