



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 15-June-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jul 2018	DAEU	Future	34	15.7635	15.6084	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	33	15.8106	15.6557	0.0000	0.0000	0	0.00
			<u>67</u>					<u>0.00</u>	<u>0.00</u>
									<u>791 007.00</u>
									<u>11 806 212 560.60</u>
Option									
Jul 2018	DAEU	15.63 Put	10,000	227.5252	0.0000	0.0000	0.0000	10,000	0.00
			<u>10,000</u>					<u>10,000.00</u>	<u>0.00</u>
									<u>956 787.00</u>
									<u>0.00</u>
		Total	10,067					10,000.00	0.00
									1 747 794.00
									11 806 212 560.60
Future									
Jun 2018	DAUS	Future	0	13.4610	13.3274	0.0000	0.0000	20	269,220.00
Jun 2018	DAUS	Future	5,947	13.4989	13.3258	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	4,341	13.5159	13.3409	0.0000	0.0000	847	11,390,386.10
Jul 2018	DAUS	Future	100	13.5203	13.3460	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	55	13.5218	13.3477	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	150	13.5262	13.3528	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	13.5469	13.3767	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	13.5538	13.3835	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	13.5555	13.3852	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	845	13.5590	13.3887	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,427	13.5659	13.3955	0.0000	0.0000	1,239	16,749,421.50
Aug 2018	DAUS	Future	55	13.5694	13.3989	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.5883	13.4177	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	4,000	13.5918	13.4758	0.0000	0.0000	4,000	54,096,400.00
Aug 2018	DAUS	Future	2,602	13.6194	13.4482	0.0000	0.0000	1,253	17,013,234.00
Sep 2018	DAUS	Future	177	13.6246	13.4533	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	3,280	13.6679	13.4958	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	13.6748	13.5027	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.7148	13.5424	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.7218	13.5492	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,363	13.7253	13.5527	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>		
Nov 2018	DAUS	Future	55	13.7270	13.5544	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	13.7479	13.5751	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	3,117	13.7775	13.6044	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	1,830	13.8313	13.6574	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.8347	13.6608	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.8832	13.7081	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.8849	13.7098	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.9074	13.7318	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	1,280	13.9334	13.7572	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.9804	13.8030	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.9910	13.8133	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.0404	13.8611	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.0952	13.9141	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	54,000	14.1005	13.9192	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.1450	13.9628	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.1869	14.0058	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.2302	14.0502	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.2708	14.0918	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.3100	14.1321	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.3533	14.1765	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.3952	14.2195	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.4344	14.2597	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.4764	14.3027	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.5183	14.3457	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.5548	14.3831	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.6008	14.4303	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.7254	14.5520	0.0000	0.0000	0	0.00		
			<u>183,353</u>					<u>7,359.00</u>	<u>99,518,661.60</u>	<u>10 272 189.00</u>	<u>124 956 980 762.50</u>
Option											
Jun 2018	DAUS	12.22 Put	500	1.8946	2.3948	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.44 Put	109	2.9132	4.0313	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.45 Put	635	2.9747	4.1349	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.47 Put	158	3.1031	4.3524	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.52 Call	109	999.3574	825.8615	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.55 Call	500	969.5954	796.2783	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.56 Call	635	959.6794	786.4269	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.62 Call	158	900.2394	727.4339	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	12.85 Call	500	673.7156	513.4942	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	13.80 Put	1,000	378.2026	515.7536	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	15.62 Call	500	0.8582	0.5096	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	16.10 Call	500	0.3555	0.2307	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	11.80 Put	2,000	0.1582	1.0943	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>
Jul 2018	DAUS	12.50 Put	2,000	3.8898	5.6035	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	446.8632	318.3952	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.60 Put	100,000	5.9378	8.2358	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	2.1521	3.1457	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	195.9920	132.5298	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	151.2217	100.9200	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	976.8195	1124.6078	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	5.3653	3.2791	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.00 Put	500	94.7400	137.3512	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.50 Call	500	356.3151	274.6569	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	473.7878	587.0619	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	10.2211	6.5076	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	4.2978	3.3479	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	11.8026	22.2329	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	529.4043	644.2471	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	9.7167	7.2390	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	147.5562	194.9165	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	406.6946	330.8663	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	530.4425	635.1196	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	35.2686	27.4902	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	19.3773	13.7114	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	278.3217	347.3127	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	183.8498	233.5714	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	443.5904	369.8823	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	568.1986	667.6574	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	55.9747	44.7736	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	33.9457	26.4176	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	220.8790	271.8754	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	605.3651	698.7624	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	482.5258	409.2701	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	79.4269	66.1093	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	57.4715	48.8411	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	38.1571	43.7090	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	646.9637	742.2956	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	69.4472	58.7723	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	7.9090	8.2561	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	29.4580	34.2781	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	855.6630	744.8331	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	251.0413	300.8728	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	633.8941	722.7050	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	508.9196	436.1319	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	99.3502	84.5749	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Nov 2018	DAUS	17.31 Call	500	75.4134	64.8133	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.65 Put	20,000	557.1375	637.4281	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	15.69 Call	20,000	198.5800	165.5991	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.00 Put	500	275.7081	324.4123	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	656.2260	742.2204	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.22 Call	500	534.8682	462.9876	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	119.2642	102.4188	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	93.2407	80.5204	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.00 Put	500	298.2505	346.5434	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.38 Call	500	553.4733	483.9129	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	316.6480	365.5946	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	570.4506	502.7503	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.00 Put	500	334.4525	384.0152	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.67 Call	500	586.2664	520.3498	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	351.6183	401.7673	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	1107.5670	1001.3241	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	601.3793	536.8310	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	367.8371	418.6306	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	615.1093	551.7286	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	383.6300	435.7940	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	626.6876	565.5336	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	404.7241	458.4245	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	645.2761	586.0831	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	422.7260	477.4497	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	655.8158	598.3017	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	440.0524	495.0514	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	671.3559	614.6155	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	457.6777	512.4310	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	680.5504	625.6692	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	472.1607	527.7742	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	692.7071	639.2753	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	486.7576	542.7925	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	704.0717	652.5122	0.0000	0.0000	0	0.00		
			<u>358,331</u>					<u>0.00</u>	<u>0.00</u>	<u>18 969 082.00</u>	<u>0.00</u>
	Total		541,684					7,359.00	99,518,661.60	29 241 271.00	124 956 980 762.50
Future											
	Jun 2018	EUUS	Future	240	1.1619	1.1652	0.0000	0.0000	0	0.00	
	Sep 2018	EUUS	Future	40	1.1697	1.1729	0.0000	0.0000	0	0.00	
				<u>280</u>				<u>0.00</u>	<u>0.00</u>	<u>709 266.00</u>	<u>8 034 559 272.00</u>
	Total		280					0.00	0.00	709 266.00	8 034 559 272.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Future											
Sep 2018	JYZA	Future	283	8.0456	8.1328	0.0000	0.0000	0	0.00		
			<u>283</u>					<u>0.00</u>	<u>0.00</u>	<u>18 783.00</u>	<u>186 145 988.86</u>
Option											
Jun 2018	JYZA	8.79 Call	50,000	2.0932	14.4371	0.0000	0.0000	0	0.00		
Jun 2018	JYZA	8.89 Put	1,200	7027.7660	6163.7293	0.0000	0.0000	0	0.00		
			<u>51,200</u>					<u>0.00</u>	<u>0.00</u>	<u>275 800.00</u>	<u>0.00</u>
		Total	51,483					0.00	0.00	294 583.00	186 145 988.86
Future											
Jun 2018	ZAAD	Future	15,270	10.0653	10.0438	10.0503	10.0267	6,910	69,331,574.00		
Sep 2018	ZAAD	Future	2,870	10.1845	10.1621	10.1478	10.1325	1,731	17,552,926.80		
Dec 2018	ZAAD	Future	11,412	10.3079	10.2859	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	10.5752	10.5502	0.0000	0.0000	4,929	51,966,447.00		
			<u>34,481</u>					<u>13,570.00</u>	<u>138,850,947.80</u>	<u>3 652 803.00</u>	<u>31 678 645 773.70</u>
		Total	34,481					13,570.00	138,850,947.80	3 685 180.00	31 678 645 773.70
Future											
Jun 2018	ZACA	Future	1,780	10.2295	10.2214	10.1963	10.1939	500	5,097,475.00		
Dec 2018	ZACA	Future	500	10.4973	10.4886	10.4924	10.4900	500	5,245,525.00		
			<u>2,280</u>					<u>1,000.00</u>	<u>10,343,000.00</u>	<u>133 943.00</u>	<u>1 316 510 910.10</u>
		Total	2,280					1,000.00	10,343,000.00	133 943.00	1 316 510 910.10
Future											
Jun 2018	ZAEU	Future	50,057	15.6805	15.5293	15.6401	15.4787	6,301	97,930,033.90		
Sep 2018	ZAEU	Future	132,838	15.9642	15.8072	15.9610	15.8020	11,716	185,936,456.50		
Dec 2018	ZAEU	Future	19,006	16.2577	16.0984	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	Future	4,808	16.5889	16.4261	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	16.9072	16.7386	0.0000	0.0000	0	0.00		
			<u>211,965</u>					<u>18,017.00</u>	<u>283,866,490.40</u>	<u>14 919 939.00</u>	<u>212 899 585 321.10</u>
Option											
Jun 2018	ZAEU	13.50 Put	29,734	0.0000	0.0000	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.75 Put	50,948	0.0000	0.0009	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.97 Put	6,460	0.0000	0.0250	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.25 Put	29,734	0.0000	0.1550	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.30 Call	10,000	1380.5000	1229.5066	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.40 Call	10,000	1280.5000	1129.6667	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.00 Call	3,000	680.9348	538.9218	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.00 Put	3,000	0.4348	9.6218	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.25 Put	50,948	4.0831	33.0545	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.63 Call	29,734	114.9045	74.2878	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Jun 2018	ZAEU	15.80 Call	3,000	45.9379	37.3238	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.00 Call	3,000	17.4363	16.7883	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.44 Put	6,460	762.5392	913.6132	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	6,460	0.0361	0.0316	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	50,948	0.5233	0.4093	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	13.50 Put	29,734	10.8364	11.6583	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	86,688	24.4696	29.2646	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	445.7687	525.3303	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	262.4181	223.7711	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	23.8431	19.6466	0.0000	0.0000	0	0.00	
			<u>613,230</u>					<u>0.00</u>	<u>0.00</u>	<u>7 964 516.00</u>
	Total		825,195					18,017.00	283,866,490.40	22 884 455.00
										212 899 585 321.10
Future										
Sep 2018	ZAFR	Future	1,215	13.8223	13.6881	0.0000	0.0000	0	0.00	
			<u>1,215</u>					<u>0.00</u>	<u>0.00</u>	<u>612 948.00</u>
	Total		1,215					0.00	0.00	6 555 963 200.80
Future										
Jun 2018	ZAGB	Future	46,246	17.9366	17.7618	17.8775	17.8293	6,582	117,227,274.00	
Sep 2018	ZAGB	Future	225,697	18.2131	18.0332	18.2132	18.1199	79,121	1,425,276,000.30	
Dec 2018	ZAGB	Future	7,743	18.4948	18.3133	18.4000	18.4000	56	1,030,400.00	
Mar 2019	ZAGB	Future	4,932	18.8077	18.6220	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	6,543	19.1050	18.9121	0.0000	0.0000	1,078	20,507,872.00	
			<u>291,161</u>					<u>86,837.00</u>	<u>1,564,041,546.30</u>	<u>11 836 630.00</u>
										<u>199 180 509 790.50</u>
Option										
Jun 2018	ZAGB	17.50 Put	500	14.4705	39.7511	0.0000	0.0000	0	0.00	
Jun 2018	ZAGB	20.40 Call	500	0.0389	0.0750	0.0000	0.0000	0	0.00	
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 774 113.00</u>
	Total		292,161					86,837.00	1,564,041,546.30	13 610 743.00
										199 180 509 790.50
Future										
Jun 2018	ZAJY	Future	8,296	0.1221	0.1209	0.0000	0.0000	0	0.00	
			<u>8,296</u>					<u>0.00</u>	<u>0.00</u>	<u>985 278.00</u>
	Total		8,296					0.00	0.00	10 983 324 643.00
Future										
Sep 2018	ZAKS	Future	562	0.1330	0.1310	0.0000	0.0000	0	0.00	
Jun 2019	ZAKS	Future	1,093	0.1291	0.1286	0.0000	0.0000	0	0.00	
			<u>1,655</u>					<u>0.00</u>	<u>0.00</u>	<u>35 358.00</u>
	Total		1,655					0.00	0.00	476 333 960.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jun 2018	ZATR	Future	3,940	2.8430	2.8392	0.0000	0.0000	0	0.00
Sep 2018	ZATR	Future	12,775	2.7700	2.7648	0.0000	0.0000	0	0.00
			<u>16,715</u>					<u>0.00</u>	<u>0.00</u>
		Total	16,715					0.00	0.00
									278 314.00
									977 047 616.50
Future									
Jun 2018	ZAUM	Future	211	13.4955	13.3274	0.0000	0.0000	0	0.00
Sep 2018	ZAUM	Future	346	13.6487	13.4769	0.0000	0.0000	0	0.00
Dec 2018	ZAUM	Future	10	13.8018	13.6285	0.0000	0.0000	0	0.00
			<u>567</u>					<u>0.00</u>	<u>0.00</u>
		Total	567					0.00	0.00
									151 624.00
									174 835 981 700.00
Future									
Jun 2018	ZAUS	Future	441,541	13.4955	13.3274	13.4900	13.3606	111,098	1,491,840,921.00
Sep 2018	ZAUS	Future	571,890	13.6487	13.4769	13.6424	13.5299	163,421	2,218,854,626.60
Dec 2018	ZAUS	Future	77,435	13.8018	13.6285	13.7934	13.7050	26,864	369,614,148.90
Mar 2019	ZAUS	Future	5,660	13.9645	13.7877	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	Future	14,610	14.1199	13.9380	14.1291	14.1291	1,191	16,734,351.70
Jun 2020	ZAUS	Future	0	14.6143	14.4442	0.0000	0.0000	25,968	353,479,012.80
			<u>1,111,136</u>					<u>328,542.00</u>	<u>4,450,523,061.00</u>
									176 592 716.00
									2 087 158 512 140.10
Option									
Jun 2018	ZAUS	11.00 Put	56,673	0.0000	0.0082	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.20 Put	2,550	0.0000	0.0099	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.35 Call	10,000	2145.5000	1977.4114	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.45 Call	10,000	2045.5000	1877.4126	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	40,216	0.0000	0.0133	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.60 Put	12,000	0.0000	0.0147	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.75 Put	55,923	0.0000	0.0173	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.77 Put	76,000	0.0000	0.0177	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.80 Put	5,500	0.0000	0.0183	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.90 Put	9,500	0.0000	0.0206	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Call	3,000	1495.5000	1327.4233	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	38,700	0.0000	0.0233	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.06 Put	150	0.0000	0.0343	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.12 Put	372	0.0000	0.0505	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.14 Put	155,500	0.0000	0.0575	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Call	500	1345.5000	1177.4614	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Put	1,000	0.0000	0.0614	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.20 Call	40,000	1295.5000	1127.4850	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.23 Call	3,000	1265.5000	1097.5033	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 2018	ZAUS	12.25 Call	40,000	1245.5000	1077.5178	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	12,415	0.0000	0.1178	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Call	4,000	1195.5000	1027.5634	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	0.0000	0.1634	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	15,103	0.0000	0.3154	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.45 Call	150	1045.5000	877.8385	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Call	3,250	995.5000	828.0097	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	115,230	0.0000	0.6097	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.55 Call	80,000	945.5001	778.2477	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.55 Put	80,000	0.0001	0.8477	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.70 Put	10,000	0.0046	2.2691	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Call	4,000	745.5145	580.5450	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	0.0145	3.1450	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.89 Put	100	0.1826	7.7308	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	0.4236	11.9811	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Call	15,500	496.1764	342.7188	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	21,228	0.6764	15.3188	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	1.1965	20.7114	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	4.3570	41.4025	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	5.9057	48.8284	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.25 Put	20,000	9.6210	63.7375	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	15.2844	82.2347	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	55.6288	180.3485	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	63.9626	195.7664	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	73.1717	211.6081	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	173.3883	331.7264	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	269.1601	433.6027	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	315.3642	481.1995	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	324.7410	490.7896	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	343.6086	510.0312	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	353.0943	519.6805	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	410.6083	577.9176	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	3.5610	3.3510	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	508.0610	675.9510	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	606.6579	774.4437	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	755.4938	923.3438	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	0.1797	0.1362	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	0.0637	0.0487	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	0.0367	0.0422	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	0.0236	0.0306	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	0.0231	0.0298	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	0.0221	0.0281	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 2018	ZAUS	15.30 Call	24,500	0.0213	0.0266	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.0203	0.0248	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.0199	0.0240	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	0.0198	0.0237	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	0.0191	0.0219	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	0.0195	0.0392	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	0.0376	0.0789	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.0415	0.0859	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.0531	0.1065	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.0580	0.1151	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.0829	0.1575	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.1558	0.2761	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.1837	0.3200	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.2718	0.4559	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.3604	0.5266	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	9.8269	11.2655	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	10.1264	11.6154	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	11.7678	13.5394	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	14.7569	17.0622	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	17.1718	19.9253	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	18.5273	21.5386	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	21.5779	25.1831	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	1430.3705	1269.1755	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	31.6705	42.2755	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	34.2120	48.3530	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	42.5855	59.4180	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	1206.6723	1056.2979	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	34,000	57.9723	79.3979	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	70.3191	95.1735	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	75.4149	101.6250	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	82.6210	110.7013	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	985.9077	848.1857	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	962.7828	826.6448	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	126.2138	164.5841	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	817.4382	694.8981	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	689.8579	580.3957	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	249.2658	312.9304	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	660.4280	554.2818	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	261.7280	327.3818	0.0000	0.0000	750	0.00
Sep 2018	ZAUS	13.30 Call	1,500	631.9803	529.1467	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,500	527.8482	438.0928	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	481.4002	399.2705	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>
Sep 2018	ZAUS	13.65 Call	1,464	459.5239	381.1267	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	56.4111	45.2596	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	53.0831	42.6034	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	48.7039	39.1097	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	42.8786	32.7985	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	33.2110	40.2730	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	231,517	39.8714	48.3040	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	50.7560	61.3890	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	59.3206	71.6528	0.0000	0.0000	27,030	0.00
Dec 2018	ZAUS	12.02 Put	5,500	61.1706	73.8673	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	69.0618	83.2920	0.0000	0.0000	8,160	0.00
Dec 2018	ZAUS	12.38 Put	39,589	103.5846	127.4921	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	231,517	1428.0961	1283.4267	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	10,200	126.2961	154.9267	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	155.7162	188.9124	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	5,500	186.7272	224.3841	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1065.6197	941.0783	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	180,030	263.8197	312.5783	0.0000	0.0000	26,125	0.00
Dec 2018	ZAUS	13.10 Put	11,300	299.5225	354.9430	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	942.2033	828.8212	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	348.9384	409.7564	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	913.7614	802.6246	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	455.4990	0.0000	0.0000	0.0000	4,080	0.00
Dec 2018	ZAUS	13.50 Call	231,517	782.4690	682.4248	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	647.7362	561.2184	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	13.95 Call	39,589	589.5840	509.2699	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	5,500	571.3897	493.0759	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	526.7272	453.4414	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	434.3498	372.1950	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	393.7927	336.8356	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	391.4089	334.7521	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	389.0376	332.6866	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	359.6467	307.1098	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	340.7682	290.7286	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	1,600	309.9477	264.0567	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	294.0383	249.0765	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	15.15 Call	27,030	283.9605	0.0000	0.0000	0.0000	27,030	0.00
Dec 2018	ZAUS	15.70 Call	4,080	202.4129	0.0000	0.0000	0.0000	8,160	0.00
Dec 2018	ZAUS	15.95 Call	2,000	174.0244	144.8204	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	7.3240	7.4093	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	51.0847	63.0431	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	91.5016	111.3131	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	13.45 Call	4,145	1030.5321	924.6064	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.48 Call	1,000	618.4434	547.8735	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.20 Call	500	439.4951	388.2462	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	10.6537	11.1466	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	147.2887	184.8832	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	291.3873	335.2447	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	367.1438	0.0000	0.0000	0.0000	911	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	465.9641	525.5851	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	763.2684	687.2264	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	691.1090	621.9457	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	468.0476	418.0740	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	446.3346	0.0000	0.0000	0.0000	1,822	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	23.0211	23.9705	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	249.0886	300.0979	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	608.5625	555.4426	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	252.2813	223.2801	0.0000	0.0000	0	0.00		
			<u>3,708,873</u>					<u>105,068.00</u>	<u>0.00</u>	<u>50 117 584.00</u>	<u>0.00</u>
	Total		4,820,009					433,610.00	4,450,523,061.00	226 710 300.00	2 087 158 512 140.10

Grand Total	6,606,088			570,393.00	6 547 143 707.10	310,153,821	2,916,807,441,176.88
--------------------	------------------	--	--	-------------------	-------------------------	--------------------	-----------------------------
