



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 06-August-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	405.9054	407.0838	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	180.0000	180.0000	0.0000	0.0000	25,000	4,449,500.00		
			<u>25,000</u>					<u>25,000.00</u>	<u>4,449,500.00</u>	<u>25 000.00</u>	<u>4 449 500.00</u>
		Total	25,000					25,000.00	4,449,500.00	25 000.00	4 449 500.00
Future											
Sep 2018	DAEU	Future	34	15.5848	15.5174	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	17.4969	17.4729	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	13.4528	13.3055	0.0000	0.0000	420	5,650,176.00		
Aug 2018	DAUS	Future	70	13.4132	13.3128	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	4,144	13.4161	13.3158	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	600	13.4246	13.3246	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	3,299	13.4441	13.3442	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	13.4494	13.3495	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	5,532	13.4929	13.3924	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	13.4998	13.3992	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	13.5256	13.4249	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	13.5394	13.4386	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>		
Oct 2018	DAUS	Future	225	13.5462	13.4455	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	3,442	13.5497	13.4489	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	13.5514	13.4506	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	13.5721	13.4712	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	420	13.5773	13.4763	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	13.5998	13.4985	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	3,197	13.6015	13.5002	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,078	13.6552	13.5532	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.6586	13.5566	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.7071	13.6045	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.7088	13.6062	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.7313	13.6285	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	13.7573	13.6543	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.8041	13.7008	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.8145	13.7112	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	13.8631	13.7594	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	13.9168	13.8130	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	0	13.9220	13.8182	0.0000	0.0000	29,000	404,280,300.00		
Jul 2019	DAUS	Future	55	13.9706	13.8666	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.0243	13.9202	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.0836	13.9788	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.1402	14.0344	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.1949	14.0881	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.2553	14.1474	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.3138	14.2048	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.3685	14.2586	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.4270	14.3160	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.4855	14.3735	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.5364	14.4235	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.6005	14.4865	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.7062	14.5903	0.0000	0.0000	0	0.00		
			<u>121,744</u>					<u>29,420.00</u>	<u>409,930,476.00</u>	<u>10 521 992.00</u>	<u>128 339 790 709.90</u>
Option											
Aug 2018	DAUS	12.32 Put	1,880	0.0000	0.0250	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	452.9357	556.8928	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	0.0000	0.0327	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.18 Put	350	45.5558	84.4585	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.22 Call	350	250.8969	194.8541	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.43 Put	106	132.6507	210.3901	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.55 Call	106	73.2874	61.8853	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.35 Put	20,000	107.9235	172.0551	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.21 Put	50,000	78.9730	126.8272	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	13.00 Put	500	51.2414	79.9201	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	134.3653	113.3005	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	450.9484	536.7591	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	0.5088	0.5657	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	0.4602	0.6833	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.43 Put	10,000	221.6144	0.0000	0.0000	0.0000	10,000	0.00
Sep 2018	DAUS	13.44 Put	15,000	226.7342	0.0000	0.0000	0.0000	15,000	0.00
Sep 2018	DAUS	12.90 Put	100	48.0034	70.9750	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.09 Put	600	91.3531	126.4078	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.32 Call	600	309.9963	261.2611	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.45 Call	100	242.1191	205.5420	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Call	100	122.9399	105.1711	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.90 Call	600	100.3873	86.3467	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	181.5836	231.2302	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	110.0306	144.4290	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	205.2332	181.8663	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	506.3665	584.2541	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	2.7948	3.0336	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	2.3834	2.6075	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.51 Call	5,000	353.2938	316.3353	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	217.6972	263.0247	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	216.6309	195.7197	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	160.6807	196.4936	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	553.1157	625.3489	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	262.1579	237.5686	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	14.1936	12.8292	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	6.5308	6.2760	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	15.7540	18.7617	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	598.7057	672.1198	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	10.1117	9.3958	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	3.6144	4.3539	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	14.2870	16.8939	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	620.3116	565.3505	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	197.4868	234.4350	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	587.9587	657.7547	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	300.7068	276.9756	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	26.6205	23.1936	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	14.7638	11.7064	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	506.7075	570.9899	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	80.4185	75.4239	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	295.3045	341.4865	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	338.6656	388.5251	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 2018	DAUS	14.66 Call	1,000	218.0914	203.7465	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.75 Call	1,000	202.6071	189.5295	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.00 Put	500	227.1263	266.1031	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	614.9135	682.8919	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.22 Call	500	335.5161	312.4275	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	42.8707	42.0418	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	29.5119	29.3020	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	12.66 Put	263	146.7717	174.0811	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.00 Put	500	254.5211	294.3886	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.38 Call	500	362.4955	340.8137	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	277.6551	316.7337	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	387.2819	366.1597	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.00 Put	500	299.5641	337.4933	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.67 Call	500	410.3666	389.4527	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	321.0620	359.0082	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	905.1094	855.1375	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	431.8917	411.1321	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	341.0858	378.7743	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	450.9177	430.4381	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	357.3560	394.7803	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	465.2180	444.7807	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	547.4688	598.6275	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	265.8018	254.4758	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	374.8148	411.8970	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	484.8592	463.8070	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	392.1589	429.1339	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	502.1976	480.4026	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	408.3901	444.9473	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	524.9668	502.9745	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	423.2245	459.7017	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	541.2764	519.3002	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	435.7237	472.2854	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	560.0447	537.4865	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	448.8070	484.4704	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	578.7017	555.8484	0.0000	0.0000	0	0.00		
			<u>426,062</u>					<u>25,000.00</u>	<u>0.00</u>	<u>19 635 577.00</u>	<u>0.00</u>
		Total	547,806					54,420.00	409,930,476.00	30 157 569.00	128 339 790 709.90

Option

Aug 2018	DAYJ	8.07 Put	13,000	466.4878	452.8874	0.0000	0.0000	0	0.00
Aug 2018	DAYJ	8.27 Call	13,000	1276.2896	1598.9521	0.0000	0.0000	0	0.00
Aug 2018	DAYJ	8.35 Call	20,000	881.1538	1153.0362	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Sep 2018	DAYJ	8.26 Call	25,000	1593.0825	0.0000	0.0000	0.0000	50,000	0.00	
			<u>71,000</u>					<u>50,000.00</u>	<u>0.00</u>	<u>50 000.00</u>
		Total	71,000					50,000.00	0.00	50 000.00
Future										
Sep 2018	EUUS	Future	210	1.1590	1.1627	1.1601	1.1577	20	231,780.00	
			<u>210</u>					<u>20.00</u>	<u>231,780.00</u>	<u>729 594.00</u>
		Total	210					20.00	231,780.00	729 594.00
Future										
Sep 2018	GBUS	Future	14	1.2961	1.3041	0.0000	0.0000	0	0.00	
			<u>14</u>					<u>0.00</u>	<u>0.00</u>	<u>167 353.00</u>
		Total	14					0.00	0.00	167 353.00
Future										
Sep 2018	ZAAD	Future	12,187	9.9541	9.8986	9.9582	9.9582	135	1,345,680.00	
Dec 2018	ZAAD	Future	11,417	10.0699	10.0141	0.0000	0.0000	0	0.00	
Mar 2019	ZAAD	Future	400	10.1991	10.1422	0.0000	0.0000	0	0.00	
Jun 2019	ZAAD	Future	4,929	10.3243	10.2670	0.0000	0.0000	0	0.00	
			<u>28,933</u>					<u>135.00</u>	<u>1,345,680.00</u>	<u>3 686 433.00</u>
		Total	28,933					135.00	1,345,680.00	3 718 810.00
Future										
Dec 2018	ZACA	Future	590	10.4978	10.4398	10.5152	10.5152	5	52,576.00	
			<u>590</u>					<u>5.00</u>	<u>52,576.00</u>	<u>137 623.00</u>
		Total	590					5.00	52,576.00	137 623.00
Future										
Sep 2018	ZADK	Future	245	2.1005	2.0909	0.0000	0.0000	0	0.00	
Dec 2018	ZADK	Future	235	2.1408	2.1307	0.0000	0.0000	0	0.00	
			<u>480</u>					<u>0.00</u>	<u>0.00</u>	<u>12 085.00</u>
		Total	480					0.00	0.00	12 085.00
Future										
Sep 2018	ZAEU	Future	130,825	15.6169	15.5493	15.6200	15.6200	51	795,483.80	
Dec 2018	ZAEU	Future	35,433	15.9029	15.8342	0.0000	0.0000	70	1,110,417.00	
Mar 2019	ZAEU	Future	4,686	16.2251	16.1537	0.0000	0.0000	0	0.00	
Jun 2019	ZAEU	Future	5,256	16.5321	16.4597	0.0000	0.0000	0	0.00	
			<u>176,200</u>					<u>121.00</u>	<u>1,905,900.80</u>	<u>15 138 126.00</u>
		Total	176,200					121.00	1,905,900.80	15 138 126.00
Option										
Sep 2018	ZAEU	13.50 Put	29,734	1.6503	2.3119	0.0000	0.0000	0	0.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Sep 2018	ZAEU	14.25 Put	57,090	10.8464	13.3481	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	436.1067	493.2826	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	42.2443	42.7327	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	1.7834	2.0796	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	16.00 Call	650	837.2294	798.7189	0.0000	0.0000	0	0.00	
			<u>290,856</u>					<i>0.00</i>	<i>0.00</i>	<i>8 025 012.00</i>
	Total		467,056					121.00	1,905,900.80	23 163 138.00 216 350 069 763.20
Future										
Sep 2018	ZAFR	Future	1,975	13.5617	13.5146	0.0000	0.0000	0	0.00	
Dec 2018	ZAFR	Future	650	13.8224	13.7750	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	14.3984	14.3492	0.0000	0.0000	0	0.00	
			<u>2,775</u>					<i>0.00</i>	<i>0.00</i>	<i>616 325.00</i>
	Total		2,775					0.00	0.00	616 325.00 6 602 585 530.30
Future										
Sep 2018	ZAGB	Future	204,349	17.4640	17.4403	17.4800	17.4553	7,521	140,016,969.10	
Dec 2018	ZAGB	Future	14,284	17.7304	17.7067	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	Future	4,932	18.0290	18.0033	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	6,156	18.3086	18.2831	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	895	18.6207	18.5938	0.0000	0.0000	0	0.00	
			<u>230,616</u>					<i>7,521.00</i>	<i>140,016,969.10</i>	<i>11 968 391.00</i>
	Total		230,616					7,521.00	140,016,969.10	13 742 504.00 201 551 377 563.50
Future										
Sep 2018	ZAJY	Future	115	0.1212	0.1207	0.1213	0.1212	230	2,785,472.50	
			<u>115</u>					<i>230.00</i>	<i>2,785,472.50</i>	<i>994 149.00</i>
	Total		115					230.00	2,785,472.50	994 149.00 11 092 203 963.90
Future										
Sep 2018	ZAKS	Future	562	0.1332	0.1324	0.0000	0.0000	0	0.00	
Jun 2019	ZAKS	Future	1,093	0.1310	0.1303	0.0000	0.0000	0	0.00	
			<u>1,655</u>					<i>0.00</i>	<i>0.00</i>	<i>35 358.00</i>
	Total		1,655					0.00	0.00	35 358.00 476 333 960.00
Future										
Sep 2018	ZATR	Future	1,500	2.5498	2.5877	0.0000	0.0000	135	344,763.00	
			<u>1,500</u>					<i>135.00</i>	<i>344,763.00</i>	<i>305 929.00</i>
	Total		1,500					135.00	344,763.00	305 929.00 1 053 629 415.00

Future

<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	ZAUM	Future	355	13.4739	13.3737	0.0000	0.0000	0	0.00	
Dec 2018	ZAUM	Future	20	13.6257	13.5241	0.0000	0.0000	0	0.00	
Mar 2019	ZAUM	Future	5	13.7885	13.6853	0.0000	0.0000	0	0.00	
			<u>380</u>					<u>0.00</u>	<u>0.00</u>	<u>152 146.00</u>
	Total		380					0.00	0.00	156 669.00
										175 552 096 520.00
Future										
Sep 2018	ZAUS	Future	486,446	13.4739	13.3737	13.5300	13.4228	45,707	615,016,729.60	
Dec 2018	ZAUS	Future	65,016	13.6257	13.5241	13.5829	13.5829	2,278	31,063,107.90	
Mar 2019	ZAUS	Future	7,820	13.7885	13.6853	0.0000	0.0000	37	509,083.00	
Jun 2019	ZAUS	Future	15,910	13.9411	13.8372	0.0000	0.0000	0	0.00	
			<u>575,192</u>					<u>48,022.00</u>	<u>646,588,920.50</u>	<u>179 877 373.00</u>
										<u>2 131 834 204 497.30</u>
Option										
Sep 2018	ZAUS	11.48 Put	5,200	0.9743	1.4305	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.50 Put	45,000	1.0281	1.4992	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.60 Put	2,000	1.3458	1.8982	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.75 Put	93,314	2.0179	2.7167	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.85 Put	48,200	2.6452	3.4608	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.90 Put	3,000	3.0292	3.9102	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.00 Put	13,300	3.9742	5.0009	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.25 Call	500	1232.5943	1135.8167	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.25 Put	40,000	8.6943	12.1167	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.30 Put	100	10.2593	14.3304	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.38 Put	60,000	13.3042	18.6228	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.50 Call	4,600	993.3165	900.8747	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.50 Put	44,000	19.4165	27.1747	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.58 Put	8,000	24.7828	34.6094	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.61 Put	13,231	27.1120	37.8163	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.65 Put	1,550	30.5184	42.4824	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.77 Call	5,200	746.9883	665.3297	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.80 Call	50	720.7565	641.4213	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.80 Put	500	46.8565	67.7213	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.85 Put	750	55.4063	78.8311	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.00 Call	7,500	561.9550	493.5708	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.00 Put	72,000	88.0550	119.8708	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.10 Put	2,500	116.2564	154.1218	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.20 Call	4,000	423.9697	367.8712	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.20 Put	4,000	150.0697	194.1712	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.22 Put	10,000	157.5290	202.8881	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.25 Call	1,250	393.0638	340.1052	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.25 Put	74,064	169.1638	216.4052	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.30 Call	500	363.6456	313.8110	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	13.50 Call	2,000	262.4507	227.7888	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	222.8993	193.5849	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	348.9993	419.8849	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	205.1381	178.2825	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.66 Call	100	201.7397	0.0000	0.0000	0.0000	100	0.00
Sep 2018	ZAUS	14.00 Call	60,000	112.6012	98.9511	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	638.7012	725.2511	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	78.9346	69.8046	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	31.8694	29.1732	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	17.5445	15.7473	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	2.1881	1.9892	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	1.8813	1.8468	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	1.5166	1.8071	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	1.4550	1.7599	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	20.6033	23.8108	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	24.5800	28.3373	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	31.1831	35.8379	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	36.4784	41.8412	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	37.6344	43.1510	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	42.6123	48.7846	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	49.7018	58.8192	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	53.6472	65.5270	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	68.7784	85.6806	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1213.6431	1132.1696	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	87.9431	108.0696	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	112.8834	136.8120	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	123.7183	149.1862	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	140.1107	167.7980	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	837.7340	774.5104	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	175,030	212.0340	250.4104	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	248.2754	290.4107	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	713.7650	658.0552	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	296.4511	343.0838	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	684.9931	631.1435	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	37,800	309.2931	357.0435	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	402.9858	457.9972	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	554.2632	509.4316	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	428.5632	485.3316	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	540.0911	606.1537	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	546.1413	612.5175	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	435.0656	401.9552	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	595.6605	664.4452	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 2018	ZAUS	13.80 Call	3,264	427.6851	395.1664	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	376.0353	347.6756	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	21,010	360.1998	333.1310	0.0000	0.0000	7,500	0.00
Dec 2018	ZAUS	14.13 Call	20,000	322.0309	298.1039	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	271.0787	251.4574	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	259.6728	241.0381	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	246.6346	229.1278	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	215.0996	200.3238	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	213.2757	198.6594	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	211.4683	197.0074	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	197.5801	184.3191	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	189.3967	176.8413	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	175.5741	164.2052	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	100	153.6307	142.9021	0.0000	0.0000	15,000	0.00
Dec 2018	ZAUS	15.01 Call	10,000	152.2818	141.6639	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	141.9150	132.1668	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	134.6257	125.4841	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	100.9910	94.6239	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	83.6357	78.6663	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	5.4015	5.8006	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	43.9097	54.3129	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	76.5447	92.3117	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	143.5430	168.6466	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	821.7933	772.2367	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	488.2526	542.1763	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	643.4622	705.7123	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	708.3783	773.9568	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	485.5142	458.0977	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	434.7487	411.2668	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	327.2047	311.6206	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	244.2272	232.0000	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	231.1025	219.7370	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	8.1518	10.3901	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	142.9749	167.8968	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	268.2508	300.3028	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	342.5437	379.7570	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	440.7092	486.8302	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	739.3305	799.9463	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	12,450	768.1935	829.9845	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	250	788.6176	0.0000	0.0000	0.0000	250	0.00
Jun 2019	ZAUS	14.58 Call	1,000	584.6395	556.5693	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	520.4522	496.4269	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	15.55 Call	25,000	368.1946	351.3257	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	12,450	355.8683	339.6527	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	326.2440	311.5811	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	308.0459	294.3387	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	16.2072	16.6949	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	235.7041	266.3125	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	463.6536	444.1671	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	168.3673	156.9554	0.0000	0.0000	0	0.00		
			<u>2,716,421</u>					<u>22,850.00</u>	<u>0.00</u>	<u>51 331 302.00</u>	<u>0.00</u>
	Total		3,291,613					70,872.00	646,588,920.50	231 208 675.00	2 131 834 204 497.30

Grand Total			4,694,791					208,459.00	1 207 652 037.90	316,476,188	2,972,454,903,810.62
--------------------	--	--	------------------	--	--	--	--	-------------------	-------------------------	--------------------	-----------------------------