



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 17-May-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
May 2018	DAEU	Future	41	14.8121	14.7071	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	34	14.9796	14.8732	0.0000	0.0000	0	0.00
			<u>75</u>					<i>0.00</i>	<i>0.00</i>
		Total	75					0.00	0.00
									<i>790 933.00</i>
									<i>11 805 104 237.30</i>
									<i>1 737 720.00</i>
									<i>11 805 104 237.30</i>
Future									
May 2018	DAUS	Future	30,000	12.5600	12.4664	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	34,600	12.5567	12.4680	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	20,000	12.5618	12.4730	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	30,000	12.5685	12.4797	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	270	12.5719	12.4830	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,746	12.5856	12.4964	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	20	12.3509	12.3509	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	9,546	12.6061	12.5165	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	2,085	12.6210	12.5312	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	12.6260	12.5362	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	12.6558	12.5657	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	12.6624	12.5723	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	12.6641	12.5739	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,345	12.6674	12.5772	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,015	12.6740	12.5838	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	12.6955	12.6052	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,479	12.7249	12.6343	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	177	12.4777	12.4777	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	2,695	12.7701	12.6789	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	12.8138	12.7220	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	12.8203	12.7284	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	2,643	12.8235	12.7316	0.0000	0.0000	1,000	12,815,000.00
Nov 2018	DAUS	Future	70	12.8445	12.7523	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	2,812	12.8715	12.7788	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	Future	1,000	12.9198	12.8266	0.0000	0.0000	1,000	12,908,000.00
Jan 2019	DAUS	Future	1,225	12.9681	12.8745	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	12.9883	12.8945	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	1,225	13.0115	12.9175	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	13.0528	12.9586	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,225	13.1048	13.0104	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	13.8173	13.7262	0.0000	0.0000	0	0.00
			<u>239,497</u>					<u>2,000.00</u>	<u>25,723,000.00</u>
									<u>9 942 265.00</u>
									<u>120 716 287 586.30</u>

Option

May 2018	DAUS	12.00 Put	51,000	0.0680	0.5883	0.0000	0.0000	0	0.00
May 2018	DAUS	11.95 Call	30,000	610.3951	518.9686	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Call	30,000	559.3945	474.1622	0.0000	0.0000	0	0.00
May 2018	DAUS	12.37 Call	30,000	241.3007	176.6317	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	80,000	100.4566	68.2005	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	40,000	113.6556	81.3850	0.0000	0.0000	0	0.00
May 2018	DAUS	12.45 Call	40,000	203.4472	151.7530	0.0000	0.0000	0	0.00
May 2018	DAUS	12.46 Call	30,000	196.9107	146.4627	0.0000	0.0000	0	0.00
May 2018	DAUS	12.24 Put	118	38.2856	54.6270	0.0000	0.0000	0	0.00
May 2018	DAUS	12.55 Call	118	155.8391	119.2324	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Put	270	161.4306	218.2238	0.0000	0.0000	0	0.00
May 2018	DAUS	12.69 Call	270	99.3959	74.5272	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Call	118	81.0407	60.3238	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1229.9031	1318.5001	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.0684	0.0871	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	0.1395	0.1514	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	107.3746	84.0426	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.47 Put	158	182.2206	0.0000	0.0000	0.0000	158	0.00
Jun 2018	DAUS	12.62 Call	158	257.0774	0.0000	0.0000	0.0000	158	0.00
Jun 2018	DAUS	13.80 Put	1,000	1208.0090	1291.6654	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	1.3568	1.2900	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	1.3592	1.3358	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	24.5153	30.2731	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	200.5083	239.3562	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	111.8978	91.9105	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	65.0829	82.5010	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	53.8386	43.6114	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	42.8838	34.6022	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1809.6120	1894.9457	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	3.2125	3.0516	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1200.7646	1279.4340	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	4.5401	4.0728	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	2.5923	2.6412	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Aug 2018	DAUS	12.32 Put	1,880	181.7736	211.8743	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	1254.1303	1332.5566	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	3.5995	3.3789	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	1200.8446	1275.4707	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	7.6637	6.8571	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	3.2506	3.1178	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	1202.0848	1274.2198	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	16.0931	8.3658	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	8.7060	3.4136	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	1204.0321	1273.1536	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	30.7601	24.1597	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	18.7405	13.8058	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.90 Put	1,880	135.1193	150.7515	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.86 Put	1,880	1252.8827	1322.8355	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.81 Call	1,880	25.3295	19.5785	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	10.83 Put	51,000	22.0914	24.7526	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.67 Put	51,000	93.4177	104.2818	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.22 Call	51,000	399.0626	362.5637	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	1206.4464	1273.6475	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	42.6927	35.4499	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	24.2048	19.6819	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.65 Put	20,000	1090.4270	1154.3047	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	15.69 Call	20,000	79.6149	72.2202	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	1208.4528	1273.6813	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	49.9264	43.3778	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	28.7060	24.6042	0.0000	0.0000	0	0.00		
				<u>567,236</u>				<u>316.00</u>	<u>0.00</u>	<u>18 718 915.00</u>	<u>0.00</u>
		Total	806,733					2,316.00	25,723,000.00	28 661 180.00	120 716 287 586.30
Future											
Jun 2018	EUUS	Future	220	1.1815	1.1816	0.0000	0.0000	0	0.00		
			<u>220</u>					<u>0.00</u>	<u>0.00</u>	<u>709 086.00</u>	<u>8 032 445 472.00</u>
		Total	220					0.00	0.00	709 086.00	8 032 445 472.00
Future											
Sep 2018	JYZA	Future	283	8.6195	8.6386	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	8.89 Put	1,200	2149.4043	2056.4105	0.0000	0.0000	0	0.00		
Sep 2018	JYZA	8.17 Put	50,000	1658.3900	1611.6125	0.0000	0.0000	0	0.00		
			<u>51,200</u>					<u>0.00</u>	<u>0.00</u>	<u>75 800.00</u>	<u>0.00</u>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Total			51,483					0.00	0.00	94 583.00	186 145 988.86
Future											
Jun 2018	ZAAD	Future	12,585	9.4711	9.3939	9.4367	9.4367	250	2,359,175.00		
Sep 2018	ZAAD	Future	800	9.5902	9.5122	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	11,412	9.7058	9.6270	0.0000	0.0000	0	0.00		
			<u>24,797</u>					<u>250.00</u>	<u>2,359,175.00</u>	<u>3 620 189.00</u>	<u>31 354 874 110.90</u>
Total			24,797					250.00	2,359,175.00	3 652 566.00	31 354 874 110.90
Future											
Jun 2018	ZACA	Future	2,200	9.8538	9.7800	9.8436	9.8364	350	3,444,540.00		
			<u>2,200</u>					<u>350.00</u>	<u>3,444,540.00</u>	<u>131 943.00</u>	<u>1 296 219 257.10</u>
Total			2,200					350.00	3,444,540.00	131 943.00	1 296 219 257.10
Future											
Jun 2018	ZAEU	Future	111,277	14.8906	14.7850	14.8675	14.8192	5,319	79,066,350.70		
Sep 2018	ZAEU	Future	61,407	15.1741	15.0659	15.1930	15.1930	30	455,790.00		
Dec 2018	ZAEU	Future	7,625	15.4528	15.3418	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	Future	4,686	15.7624	15.6493	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	16.0345	15.9211	0.0000	0.0000	0	0.00		
			<u>190,251</u>					<u>5,349.00</u>	<u>79,522,140.70</u>	<u>14 547 453.00</u>	<u>207 157 626 748.50</u>
Option											
Jun 2018	ZAEU	13.50 Put	29,734	4.8327	6.1370	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.75 Put	50,948	8.1533	9.9246	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.97 Put	6,460	13.3521	15.8190	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.25 Put	29,734	32.3877	47.1995	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.30 Call	10,000	630.6173	542.4905	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.40 Call	10,000	549.7398	467.6209	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.00 Call	3,000	199.1448	160.9801	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.25 Put	50,948	481.5498	562.4259	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.63 Call	29,734	55.7135	43.5488	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	16.00 Call	3,000	22.1869	18.6314	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	16.44 Put	6,460	1556.3263	1662.1193	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	18.61 Call	6,460	0.5137	0.7453	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	20.55 Call	50,948	0.0284	0.0453	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	13.50 Put	29,734	23.2313	23.8170	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	86,688	116.6687	138.3153	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	937.9542	1015.8497	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	113.9087	97.5237	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	10.8782	12.7826	0.0000	0.0000	0	0.00		
			<u>607,230</u>					<u>0.00</u>	<u>0.00</u>	<u>7 919 774.00</u>	<u>0.00</u>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Total			797,481					5,349.00	79,522,140.70	22 467 227.00	207 157 626 748.50
Future											
	Jun 2018	ZAFR	Future	1,215	12.6007	12.5366	0.0000	0.0000	0	0.00	
				<u>1,215</u>					<u>0.00</u>	<u>0.00</u>	<u>609 303.00</u>
			Total	1,215					0.00	0.00	609 303.00
Future											
	Jun 2018	ZAGB	Future	428,549	17.0400	16.8938	17.0529	16.9460	259	4,402,585.60	
	Sep 2018	ZAGB	Future	18,594	17.3173	17.1691	0.0000	0.0000	0	0.00	
	Dec 2018	ZAGB	Future	7,517	17.5835	17.4333	0.0000	0.0000	0	0.00	
	Mar 2019	ZAGB	Future	4,932	17.8715	17.7218	0.0000	0.0000	0	0.00	
	Jun 2019	ZAGB	Future	5,465	18.1395	17.9897	0.0000	0.0000	0	0.00	
				<u>465,057</u>					<u>259.00</u>	<u>4,402,585.60</u>	<u>10 789 688.00</u>
			Total						259.00	4,402,585.60	180 720 922 880.60
Option											
	Jun 2018	ZAGB	17.50 Put	500	600.8550	712.5882	0.0000	0.0000	0	0.00	
	Jun 2018	ZAGB	20.40 Call	500	1.1610	1.1048	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	466,057					259.00	4,402,585.60	12 563 801.00
Future											
	Jun 2018	ZAJY	Future	8,296	0.1139	0.1137	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	985 278.00
Future											
	Jun 2018	ZAKS	Future	1,145	0.1250	0.1239	0.0000	0.0000	0	0.00	
	Sep 2018	ZAKS	Future	562	0.1245	0.1234	0.0000	0.0000	0	0.00	
				<u>1,707</u>					<u>0.00</u>	<u>0.00</u>	<u>31 923.00</u>
			Total	1,707					0.00	0.00	31 923.00
Future											
	Jun 2018	ZATR	Future	3,940	2.8021	2.7947	0.0000	0.0000	0	0.00	
				<u>3,940</u>					<u>0.00</u>	<u>0.00</u>	<u>258 929.00</u>
			Total	3,940					0.00	0.00	258 929.00
Future											
	Jun 2018	ZAUM	Future	427	12.6027	12.5132	12.5618	12.5618	2	2,512,360.00	
	Sep 2018	ZAUM	Future	47	12.7524	12.6614	0.0000	0.0000	0	0.00	
	Dec 2018	ZAUM	Future	10	12.8933	12.8004	0.0000	0.0000	0	0.00	
				<u>484</u>					<u>2.00</u>	<u>2,512,360.00</u>	<u>150 744.00</u>
			Total						2.00	2,512,360.00	173 680 167 780.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Total			484					2.00	2,512,360.00	155 267.00	173 680 167 780.00
Future											
Jun 2018	ZAUS	Future	1,133,036	12.6027	12.5132	12.6331	12.5000	39,989	502,478,790.50		
Sep 2018	ZAUS	Future	93,125	12.7524	12.6614	12.7486	12.6614	3,623	45,945,372.20		
Dec 2018	ZAUS	Future	25,417	12.8933	12.8004	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	Future	4,948	13.0390	12.9449	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	Future	3,087	13.1728	13.0787	0.0000	0.0000	0	0.00		
			1,259,613					43,612.00	548,424,162.70	173 199 312.00	2 042 621 428 405.40
Option											
Jun 2018	ZAUS	11.00 Put	60,750	1.0430	1.2705	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.20 Put	2,550	2.1578	2.6288	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.35 Call	10,000	1256.3877	1167.4814	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.45 Call	10,000	1157.6417	1069.0382	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.50 Put	40,216	5.7268	6.8228	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.60 Put	12,000	7.7065	9.3305	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.75 Put	60,000	12.0879	14.9594	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.77 Put	76,000	12.8405	15.9339	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.80 Put	5,500	14.0604	17.5161	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.90 Put	9,500	19.0471	24.0156	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.00 Call	3,000	630.8886	551.6774	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.00 Put	38,700	28.1886	38.4774	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.06 Put	150	36.9505	49.7981	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.12 Put	372	47.6117	63.3526	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.14 Put	155,500	51.6227	68.3984	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.15 Call	500	506.4179	434.2242	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.15 Put	1,000	53.7179	71.0242	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.20 Call	40,000	467.8226	398.3992	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.23 Call	3,000	445.4350	377.7657	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.25 Call	40,000	430.8434	364.3764	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.25 Put	12,415	78.1434	101.1764	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.30 Call	4,000	395.5648	332.2091	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.30 Put	24,500	92.8648	119.0091	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.40 Put	15,103	127.6548	160.3742	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.45 Call	150	300.5053	247.1231	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.50 Call	6,550	272.5204	222.5622	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.50 Put	115,480	169.8204	209.3622	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.55 Call	80,000	246.3950	201.0537	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.75 Put	66	310.8883	368.7455	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.96 Put	2,700	461.8899	530.1126	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.00 Call	15,500	95.8724	76.2327	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.00 Put	21,228	493.1724	563.0327	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	13.05 Put	1,250	533.2395	605.0012	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	633.2653	708.8382	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	659.0238	735.2753	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	746.4901	825.0172	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	43.7773	33.9124	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	891.1261	972.8492	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	909.5714	991.6273	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	928.0877	1010.4624	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1059.4330	1143.7031	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1164.3783	1249.7860	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1212.4832	1298.2500	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1222.1306	1307.9651	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1241.4503	1327.4164	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1251.1218	1337.1524	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1309.2070	1395.6999	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	9.2562	6.9188	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1406.5562	1493.7188	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1504.4928	1592.1817	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1652.2283	1740.4988	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	2.4440	1.8543	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	1.5658	1.2000	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	1.2258	0.9456	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	0.6122	0.6202	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	0.6168	0.6244	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	0.6299	0.6363	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	0.6439	0.6492	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.6687	0.6721	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.6831	0.6854	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	0.6895	0.6914	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	0.7502	0.7479	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	0.8532	0.8445	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	0.9239	0.6495	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.9110	0.6067	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.7643	0.5052	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.7153	0.4715	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.5356	0.3486	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.2900	0.1839	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.2410	0.1517	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.1474	0.0908	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.0983	0.0596	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	36.4379	41.7890	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	37.6782	44.1428	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	11.60 Put	2,000	49.2377	57.4610	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	71.4418	82.7901	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	89.8822	103.6536	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	100.2916	115.3727	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	123.6401	141.5281	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	702.4945	638.6852	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	218.6237	247.5221	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	250.3849	282.0532	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	555.2878	500.1521	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	24,000	302.8878	338.7521	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	341.0984	379.7651	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	356.0790	395.7900	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	376.6012	417.7001	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	424.6169	380.8243	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	412.3444	369.5725	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	490.2104	540.1113	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	20,000	338.5919	302.2701	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	277.5912	247.0349	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	264.1215	234.8902	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	761.7215	823.4902	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	251.3072	223.3577	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	205.9591	182.5368	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	177.4864	157.0912	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	12.8545	10.5907	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	11.5091	9.4971	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	9.8078	8.1146	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	7.6814	6.3863	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	102.4400	112.9339	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	318.9591	349.1203	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	150	765.0637	705.7145	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	10,100	371.7637	405.3145	0.0000	0.0000	10,000	0.00
Dec 2018	ZAUS	12.63 Put	39,589	434.0655	471.3044	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	533.3163	488.9148	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	461.7832	422.4692	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	445.4448	0.0000	0.0000	0.0000	20,000	0.00
Dec 2018	ZAUS	13.80 Call	2,764	301.4192	274.8493	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	271.7795	247.6472	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	1,500	262.6392	239.2678	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	1,000	129.1280	116.2584	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.95 Call	2,000	71.5070	64.7831	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	10.2329	10.7693	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	167.7569	180.3845	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	12.06 Put	4,145	255.2845	273.8284	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.76 Put	250	546.8442	584.3367	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	553.6472	512.7870	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	312.4734	286.9531	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Call	1,000	208.7932	190.6710	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	23.2490	23.6649	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	373.1027	396.4234	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.13 Call	1,500	831.1305	0.0000	0.0000	0.0000	1,500	0.00
Jun 2019	ZAUS	14.58 Call	1,000	415.9895	388.1542	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	99.3053	92.6604	0.0000	0.0000	0	0.00
			<u>2,165,824</u>					<u>31,500.00</u>	<u>0.00</u>
		Total	<u>3,425,437</u>					<u>75,112.00</u>	<u>548,424,162.70</u>
									<u>48 169 704.00</u>
									<u>0.00</u>
									<u>221 369 016.00</u>
									<u>2 042 621 428 405.40</u>

Grand Total	<u>5,590,125</u>							<u>83,638.00</u>	<u>666 387 964.00</u>	<u>302,496,063</u>	<u>2,842,178,263,663.88</u>
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