



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 21-May-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
May 2018	DAEU	Future	41	15.0284	15.0005	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	34	15.1968	15.1702	0.0000	0.0000	0	0.00
			75					0.00	0.00
		Total	75					0.00	0.00
									790 933.00
									11 805 104 237.30
Future									
May 2018	DAUS	Future	0	12.7658	12.7417	0.0000	0.0000	9,400	119,998,520.00
May 2018	DAUS	Future	34,600	12.7817	12.7417	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	20,000	12.7832	12.7447	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	30,000	12.7891	12.7505	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	270	12.7921	12.7538	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,746	12.8065	12.7682	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	5,947	12.8282	12.7898	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	2,085	12.8441	12.8051	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	12.8492	12.8102	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	12.8798	12.8405	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	12.8866	12.8473	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	12.8883	12.8490	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,345	12.8917	12.8524	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,015	12.8985	12.8591	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	12.9204	12.8811	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,479	12.9506	12.9113	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	12.9970	12.9575	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.0418	13.0021	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.0484	13.0087	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,113	13.0517	13.0120	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	13.0733	13.0335	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	2,812	13.1012	13.0614	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	1,580	13.1516	13.1117	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.2020	13.1621	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.2231	13.1832	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	1,225	13.2474	13.2075	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.2911	13.2512	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,225	13.3462	13.3062	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.0461	14.0132	0.0000	0.0000	0	0.00		
			<u>206,948</u>					<u>9,400.00</u>	<u>119,998,520.00</u>	<u>9 956 314.00</u>	<u>120 895 694 452.90</u>

Option

May 2018	DAUS	12.00 Call	30,000	781.7004	741.8489	0.0000	0.0000	0	0.00
May 2018	DAUS	12.37 Call	30,000	423.8294	395.1366	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	80,000	225.3533	209.2967	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	40,000	241.9110	224.7822	0.0000	0.0000	0	0.00
May 2018	DAUS	12.45 Call	40,000	367.5055	343.2380	0.0000	0.0000	0	0.00
May 2018	DAUS	12.46 Call	30,000	359.0686	335.2322	0.0000	0.0000	0	0.00
May 2018	DAUS	12.24 Put	118	10.1151	17.4264	0.0000	0.0000	0	0.00
May 2018	DAUS	12.55 Call	118	298.0215	278.8703	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Put	270	69.9672	91.2641	0.0000	0.0000	0	0.00
May 2018	DAUS	12.69 Call	270	203.4813	190.2074	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Call	118	169.0994	158.1224	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1011.8094	1050.9731	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.0222	0.0535	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	0.1019	0.1081	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	195.8576	183.7652	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.47 Put	158	113.6712	126.3209	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.62 Call	158	392.8990	369.9233	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1010.7858	1046.4319	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	1.7375	1.9608	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	1.6210	1.8028	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	13.5752	17.4035	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	128.0803	141.5582	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	185.6876	174.3055	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	38.3385	43.9892	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	95.1723	89.6534	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	77.1410	72.7716	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1606.5746	1643.2588	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	5.3040	5.6277	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1022.8383	1055.1595	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	8.4544	8.4192	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	4.2776	4.8138	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	127.4633	138.4482	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1076.6324	1108.2115	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Aug 2018	DAUS	16.18 Call	1,880	6.4560	6.8520	0.0000	0.0000	0	0.00	
Aug 2018	DAUS	13.80 Put	1,000	1037.0600	1064.7910	0.0000	0.0000	0	0.00	
Aug 2018	DAUS	16.05 Call	500	15.7918	14.9278	0.0000	0.0000	0	0.00	
Aug 2018	DAUS	16.57 Call	500	6.7488	7.0402	0.0000	0.0000	0	0.00	
Sep 2018	DAUS	13.80 Put	1,000	1049.4987	1074.7886	0.0000	0.0000	0	0.00	
Sep 2018	DAUS	16.25 Call	500	31.9306	26.2507	0.0000	0.0000	0	0.00	
Sep 2018	DAUS	16.80 Call	500	21.1895	15.7850	0.0000	0.0000	0	0.00	
Oct 2018	DAUS	13.80 Put	1,000	1062.2713	1085.3141	0.0000	0.0000	0	0.00	
Oct 2018	DAUS	16.47 Call	500	49.7097	44.0874	0.0000	0.0000	0	0.00	
Oct 2018	DAUS	17.02 Call	500	36.4261	30.8380	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	11.90 Put	1,880	106.9381	113.7184	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	13.86 Put	1,880	1109.7506	1132.9534	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	16.81 Call	1,880	44.8579	39.4233	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	10.83 Put	51,000	17.5349	20.6625	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	11.67 Put	51,000	77.7660	81.9968	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	13.22 Call	51,000	523.0112	500.9929	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	13.80 Put	1,000	1072.5214	1094.1066	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	16.70 Call	500	64.5674	58.6706	0.0000	0.0000	0	0.00	
Nov 2018	DAUS	17.31 Call	500	44.8807	38.5515	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	13.65 Put	20,000	966.3618	986.6877	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	15.69 Call	20,000	117.0423	108.1618	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	13.80 Put	1,000	1080.1578	1101.0613	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	16.93 Call	500	78.9012	72.8818	0.0000	0.0000	0	0.00	
Dec 2018	DAUS	17.58 Call	500	51.6118	46.1968	0.0000	0.0000	0	0.00	
Apr 2019	DAUS	13.00 Put	2,500	618.7538	634.6994	0.0000	0.0000	0	0.00	
Apr 2019	DAUS	13.49 Call	2,500	760.3599	738.1237	0.0000	0.0000	0	0.00	
			<u>491,236</u>					<u>0.00</u>	<u>0.00</u>	
			<u>698,184</u>					<u>9,400.00</u>	<u>119,998,520.00</u>	
								<u>28 677 729.00</u>	<u>120 895 694 452.90</u>	
Future										
	Jun 2018	EUUS	Future	220	1.1778	1.1794	0.0000	0.0000	0	0.00
				<u>220</u>				<u>0.00</u>	<u>0.00</u>	
			Total	220				0.00	0.00	
								<u>709 086.00</u>	<u>8 032 445 472.00</u>	
Future										
	Sep 2018	JYZA	Future	283	8.5011	8.4851	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	2853.9266	2970.8143	0.0000	0.0000	0	0.00
	Sep 2018	JYZA	8.17 Put	50,000	1995.5108	1933.4780	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	12,552	9.6981	9.6122	9.7322	9.7322	33	321,162.60		
Sep 2018	ZAAD	Future	750	9.8210	9.7340	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	11,412	9.9412	9.8526	0.0000	0.0000	0	0.00		
			<u>24,714</u>					<u>33.00</u>	<u>321,162.60</u>	<u>3 620 973.00</u>	<u>31 362 428 704.20</u>
Total			24,714					33.00	321,162.60	3 653 350.00	31 362 428 704.20
Future											
Jun 2018	ZACA	Future	1,950	9.9933	9.9387	0.0000	0.0000	0	0.00		
			<u>1,950</u>					<u>0.00</u>	<u>0.00</u>	<u>132 193.00</u>	<u>1 298 704 672.10</u>
Total			1,950					0.00	0.00	132 193.00	1 298 704 672.10
Future											
Jun 2018	ZAEU	Future	111,529	15.1045	15.0794	15.2147	15.1077	2,431	36,837,894.10		
Sep 2018	ZAEU	Future	61,407	15.3957	15.3684	0.0000	0.0000	0	0.00		
Dec 2018	ZAEU	Future	7,625	15.6810	15.6528	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	Future	4,686	16.0002	15.9698	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	16.2803	16.2485	0.0000	0.0000	0	0.00		
			<u>190,503</u>					<u>2,431.00</u>	<u>36,837,894.10</u>	<u>14 555 719.00</u>	<u>207 282 531 800.80</u>
Total											
Option											
Jun 2018	ZAEU	13.50 Put	29,734	3.0012	4.1576	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.75 Put	50,948	5.6422	7.4924	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.97 Put	6,460	9.4206	11.9023	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.25 Put	29,734	18.6061	22.1809	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.30 Call	10,000	825.5779	804.2884	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.40 Call	10,000	734.3843	713.9438	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.00 Call	3,000	310.6396	298.4884	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.25 Put	50,948	347.1922	363.4207	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.63 Call	29,734	100.0743	95.0622	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	16.00 Call	3,000	46.9719	43.8945	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	16.44 Put	6,460	1351.9737	1375.1866	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	18.61 Call	6,460	0.6653	0.9557	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	20.55 Call	50,948	0.0502	0.1549	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	13.50 Put	29,734	22.9582	22.8026	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	86,688	89.7488	93.0410	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	815.1938	824.4310	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	171.1043	158.5169	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	16.4132	16.2122	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			797,733					2,431.00	36,837,894.10	22 475 493.00	207 282 531 800.80
Future											
	Jun 2018	ZAFR	Future	1,215	12.8765	12.8313	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	428,191	17.2182	17.2515	17.3400	17.2700	440	7,623,935.50	
	Sep 2018	ZAGB	Future	18,594	17.5030	17.5341	0.0000	0.0000	0	0.00	
	Dec 2018	ZAGB	Future	7,517	17.7759	17.8060	0.0000	0.0000	0	0.00	
	Mar 2019	ZAGB	Future	4,932	18.0743	18.1042	0.0000	0.0000	0	0.00	
	Jun 2019	ZAGB	Future	5,465	18.3464	18.3747	0.0000	0.0000	0	0.00	
				<u>464,699</u>					<u>440.00</u>	<u>7,623,935.50</u>	<u>10 793 689.00</u>
			Total						440.00	7,623,935.50	180 789 946 802.90
Option											
	Jun 2018	ZAGB	17.50 Put	500	485.2460	466.2538	0.0000	0.0000	0	0.00	
	Jun 2018	ZAGB	20.40 Call	500	1.8427	2.1553	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	465,699					440.00	7,623,935.50	12 567 802.00
Future											
	Jun 2018	ZAJY	Future	8,296	0.1155	0.1157	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	0.1270	0.1268	0.0000	0.0000	0	0.00	
	Sep 2018	ZAKS	Future	562	0.1265	0.1263	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	2.7692	2.8234	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	419	12.8246	12.7862	12.8498	12.8498	15	19,298,500.00	
	Sep 2018	ZAUM	Future	47	12.9788	12.9393	0.0000	0.0000	0	0.00	
	Dec 2018	ZAUM	Future	10	13.1240	13.0841	0.0000	0.0000	0	0.00	
				<u>476</u>					<u>15.00</u>	<u>19,298,500.00</u>	<u>150 787.00</u>
			Total						15.00	19,298,500.00	173 735 224 700.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Total			476					15.00	19,298,500.00	155 310.00	173 735 224 700.00
Future											
Jun 2018	ZAUS	Future	1,142,604	12.8246	12.7862	12.9356	12.8127	30,623	394,291,118.20		
Sep 2018	ZAUS	Future	89,793	12.9788	12.9393	13.0932	12.9840	5,023	65,207,772.30		
Dec 2018	ZAUS	Future	26,412	13.1240	13.0841	13.2251	13.1369	718	9,472,352.40		
Mar 2019	ZAUS	Future	4,948	13.2766	13.2366	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	Future	3,087	13.4148	13.3750	0.0000	0.0000	0	0.00		
			1,266,844					36,364.00	468,971,242.90	173 307 799.00	2 044 010 246 303.30
Option											
Jun 2018	ZAUS	11.00 Put	60,750	0.5503	0.7842	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.20 Put	2,550	1.1124	1.5626	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.35 Call	10,000	1476.4758	1438.8024	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.45 Call	10,000	1377.2495	1339.8426	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.50 Put	40,216	3.1452	4.3030	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.60 Put	12,000	4.2769	5.7256	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.75 Put	60,000	6.7924	8.8153	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.77 Put	76,000	7.2252	9.3395	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.80 Put	5,500	7.9272	10.1861	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.90 Put	9,500	10.7980	13.6123	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.00 Call	3,000	839.3062	804.4059	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.00 Put	38,700	14.7062	18.2059	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.06 Put	150	17.6953	21.6788	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.12 Put	372	21.2823	25.8139	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.14 Put	155,500	22.6302	27.3599	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.15 Call	500	697.9457	664.3791	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.15 Put	1,000	23.3457	28.1791	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.20 Call	40,000	654.2002	621.5791	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.23 Call	3,000	628.5161	596.5069	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.25 Call	40,000	611.6427	580.0614	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.25 Put	12,415	37.0427	43.8614	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.30 Call	4,000	570.3874	539.9347	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.30 Put	24,500	45.7874	53.7347	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.40 Put	15,103	67.5999	78.0364	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.45 Call	150	455.4500	428.8239	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.50 Call	3,250	420.3596	395.1175	0.0000	0.0000	3,300	0.00		
Jun 2018	ZAUS	12.50 Put	115,230	95.7596	108.9175	0.0000	0.0000	500	0.00		
Jun 2018	ZAUS	12.55 Call	80,000	386.9861	363.1585	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.75 Call	4,000	271.1875	253.0681	0.0000	0.0000	8,000	0.00		
Jun 2018	ZAUS	12.75 Put	66	196.5875	216.8681	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.96 Put	2,700	317.5077	343.3067	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.00 Call	15,500	168.4614	156.7911	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	13.00 Put	21,228	343.8614	370.5911	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	378.0837	405.9112	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	465.5342	495.6982	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	488.4659	519.1494	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	567.6288	599.8646	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	83.2370	77.7498	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	701.6690	735.8580	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	718.8271	753.2146	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	736.0992	770.6790	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	859.8938	895.6085	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	960.1621	996.5515	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1006.4538	1043.0983	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1015.7602	1052.4521	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1034.4182	1071.2011	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1043.7686	1080.5963	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1100.1635	1137.2336	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	19.7346	18.7372	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1195.1346	1232.5372	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1291.1247	1328.7839	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1436.4461	1474.3972	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	5.7119	5.5607	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	3.7480	3.6877	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	2.9707	2.9412	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	1.4936	1.5087	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	1.3956	1.4127	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	1.1659	1.1868	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	0.9753	0.9986	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.8505	0.8939	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.8329	0.8921	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	0.8259	0.8918	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	0.7797	0.8981	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	0.7462	0.9309	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	0.7395	0.9616	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.7392	0.9664	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.7390	0.9797	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.7392	0.9850	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.7415	1.0093	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.4001	0.5649	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.3320	0.4741	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.2021	0.2973	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.1342	0.2024	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	31.3648	32.8909	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	11.50 Put	45,000	32.4264	33.9414	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	38.2770	39.7118	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	51.2751	55.4463	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	65.4303	70.4770	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	73.5059	79.0284	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	91.8107	98.3538	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	880.1942	850.1518	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	165.8618	175.9571	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	191.4453	203.2654	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.40 Put	250	198.4539	0.0000	0.0000	0.0000	250	0.00
Sep 2018	ZAUS	12.50 Call	4,600	714.6328	688.1659	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	24,000	235.8328	248.8659	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	268.5396	282.3662	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	281.4431	295.5658	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	299.1892	313.7007	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	564.8810	541.0383	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	549.9502	526.3870	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	396.9978	413.3971	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	20,000	458.7128	437.6290	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	383.2491	364.3331	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	366.3363	347.9349	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	637.5363	658.6349	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	350.1550	332.2601	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	292.2496	276.2557	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	255.2910	240.5477	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	30.4670	23.9959	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	28.3879	21.7826	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	25.6659	18.9394	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	22.0728	15.2984	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	86.0569	92.3611	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	266.5499	277.8733	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	150	935.8192	908.1288	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	10,100	311.8192	324.0288	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	367.4480	380.6001	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	677.1319	652.9103	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	593.6611	570.8468	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	574.4871	552.0491	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	2,764	400.9706	382.3720	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	364.3921	346.7779	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	1,500	353.0315	335.7375	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	1,000	185.7889	173.9775	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.95 Call	2,000	105.7761	97.1450	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	10.33 Put	1,000	8.8322	10.8225	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	11.74 Put	1,000	137.2959	146.7618	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.06 Put	4,145	219.5908	229.3926	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.76 Put	250	478.5166	493.2691	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	13.45 Call	4,145	691.9431	669.8402	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	14.48 Call	1,000	408.1784	391.0225	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	15.20 Call	1,000	283.0242	268.7149	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	10.69 Put	1,000	12.4838	15.4394	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.28 Put	1,000	331.9747	343.8654	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.58 Call	1,000	526.4701	507.3245	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	148.7777	132.3527	0.0000	0.0000	0	0.00	
			<u>2,165,024</u>					<u>12,050.00</u>	<u>0.00</u>	<u>48 184 754.00</u>
		Total	3,431,868					48,414.00	468,971,242.90	221 492 553.00
										2 044 010 246 303.30

Grand Total	5,487,560							60,733.00	653 051 255.10	302,649,493	2,844,005,514,331.28
--------------------	------------------	--	--	--	--	--	--	------------------	-----------------------	--------------------	-----------------------------