



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 22-May-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
May 2018	DAEU	Future	41	14.8193	15.0284	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	34	14.9812	15.1968	0.0000	0.0000	0	0.00
			75					0.00	0.00
		<b>Total</b>	<b>75</b>					<b>0.00</b>	<b>0.00</b>
									790 933.00
									11 805 104 237.30
<b>Future</b>									
May 2018	DAUS	Future	0	12.5380	12.7817	0.0000	0.0000	9,600	120,364,800.00
May 2018	DAUS	Future	20,000	12.5867	12.7832	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	30,000	12.5926	12.7891	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	270	12.5956	12.7921	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,746	12.6094	12.8065	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	12.6304	12.8282	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,640	12.6458	12.8441	0.0000	0.0000	445	5,633,255.00
Jul 2018	DAUS	Future	100	12.6508	12.8492	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	12.6807	12.8798	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	12.6873	12.8866	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	12.6890	12.8883	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,345	12.6923	12.8917	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,015	12.6988	12.8985	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	12.7201	12.9204	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,479	12.7493	12.9506	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	12.7937	12.9970	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	12.8366	13.0418	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	12.8429	13.0484	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,113	12.8461	13.0517	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	12.8667	13.0733	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	2,812	12.8936	13.1012	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	1,580	12.9425	13.1516	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Jan 2019	DAUS	Future	1,225	12.9913	13.2020	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.0117	13.2231	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	1,225	13.0353	13.2474	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.0774	13.2911	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,225	13.1305	13.3462	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	13.8430	14.0461	0.0000	0.0000	0	0.00		
			<u>171,903</u>					<u>10,045.00</u>	<u>125,998,055.00</u>	<u>9 966 359.00</u>	<u>121 021 692 507.90</u>

Option

May 2018	DAUS	12.37 Call	30,000	235.5776	423.8294	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	80,000	74.0270	225.3533	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	40,000	96.1244	241.9110	0.0000	0.0000	0	0.00
May 2018	DAUS	12.45 Call	40,000	199.2062	367.5055	0.0000	0.0000	0	0.00
May 2018	DAUS	12.46 Call	30,000	192.1452	359.0686	0.0000	0.0000	0	0.00
May 2018	DAUS	12.24 Put	118	24.1417	10.1151	0.0000	0.0000	0	0.00
May 2018	DAUS	12.55 Call	118	151.1217	298.0215	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Put	270	128.3333	69.9672	0.0000	0.0000	0	0.00
May 2018	DAUS	12.69 Call	270	88.0063	203.4813	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Call	118	69.1248	169.0994	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1205.5427	1011.8094	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.0523	0.0222	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	0.1822	0.1019	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	101.7443	195.8576	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.47 Put	158	168.6284	113.6712	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.62 Call	158	266.4178	392.8990	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1183.8966	1010.7858	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	1.0895	1.7375	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	1.1296	1.6210	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	20.0771	13.5752	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	186.5814	128.0803	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	116.2345	185.6876	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	57.5443	38.3385	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	56.5115	95.1723	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	45.0291	77.1410	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1787.5098	1606.5746	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	2.9859	5.3040	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1181.8574	1022.8383	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	4.5229	8.4544	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	2.2182	4.2776	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	175.1700	127.4633	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1235.8958	1076.6324	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	3.2433	6.4560	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	1186.5937	1037.0600	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Aug 2018	DAUS	16.05 Call	500	8.2077	15.7918	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	3.1460	6.7488	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	1193.3625	1049.4987	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	21.9145	31.9306	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	13.4052	21.1895	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	1200.9650	1062.2713	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	37.2484	49.7097	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	24.0092	36.4261	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.90 Put	1,880	138.1604	106.9381	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.86 Put	1,880	1250.2553	1109.7506	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.81 Call	1,880	32.1098	44.8579	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	10.83 Put	51,000	21.7523	17.5349	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.67 Put	51,000	96.4276	77.7660	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.22 Call	51,000	425.2650	523.0112	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	1207.6238	1072.5214	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	49.7778	64.5674	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	29.6553	44.8807	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.65 Put	20,000	1093.9876	966.3618	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	15.69 Call	20,000	91.6624	117.0423	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	1212.5945	1080.1578	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	61.0696	78.9012	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	36.3078	51.6118	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	2,500	709.6261	618.7538	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	655.6409	760.3599	0.0000	0.0000	0	0.00		
			<u>461,236</u>					<u>0.00</u>	<u>0.00</u>	<u>18 721 415.00</u>	<u>0.00</u>
<b>Total</b>			<b>633,139</b>					<b>10,045.00</b>	<b>125,998,055.00</b>	<b>28 687 774.00</b>	<b>121 021 692 507.90</b>
<b>Future</b>											
Jun 2018	EUUS	Future	220	1.1793	1.1778	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>
<b>Total</b>			<b>220</b>					<b>0.00</b>	<b>0.00</b>	<b>709 086.00</b>	<b>8 032 445 472.00</b>
<b>Future</b>											
Sep 2018	JYZA	Future	283	8.6187	8.5011	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>
<b>Option</b>											
Jun 2018	JYZA	8.79 Call	50,000	1394.4393	0.0000	0.0000	0.0000	100,000	0.00		
Jun 2018	JYZA	8.89 Put	1,200	2034.6966	2853.9266	0.0000	0.0000	0	0.00		
Sep 2018	JYZA	8.17 Put	50,000	1713.3542	1995.5108	0.0000	0.0000	0	0.00		
			<u>101,200</u>					<u>100,000.00</u>	<u>0.00</u>	<u>175 800.00</u>	<u>0.00</u>
<b>Total</b>			<b>101,483</b>					<b>100,000.00</b>	<b>0.00</b>	<b>194 583.00</b>	<b>186 145 988.86</b>

<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>	
<b>Future</b>										
Jun 2018	ZAAD	Future	14,635	9.5806	9.6981	9.5465	9.5465	4,053	38,695,904.50	
Sep 2018	ZAAD	Future	750	9.7012	9.8210	0.0000	0.0000	0	0.00	
Dec 2018	ZAAD	Future	11,412	9.8170	9.9412	0.0000	0.0000	0	0.00	
			<u>26,797</u>					<u>4,053.00</u>	<u>38,695,904.50</u>	<u>3 625 026.00</u>
		<b>Total</b>	<b>26,797</b>					<b>4,053.00</b>	<b>38,695,904.50</b>	<b>3 657 403.00</b>
<b>Future</b>										
Jun 2018	ZACA	Future	1,950	9.8874	9.9933	0.0000	0.0000	0	0.00	
			<u>1,950</u>					<u>0.00</u>	<u>0.00</u>	<u>132 193.00</u>
		<b>Total</b>	<b>1,950</b>					<b>0.00</b>	<b>0.00</b>	<b>132 193.00</b>
<b>Future</b>										
Jun 2018	ZAEU	Future	112,603	14.8906	15.1045	14.9302	14.8640	1,905	28,388,076.10	
Sep 2018	ZAEU	Future	60,512	15.1756	15.3957	0.0000	0.0000	895	13,586,189.50	
Dec 2018	ZAEU	Future	7,625	15.4532	15.6810	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	Future	4,686	15.7649	16.0002	0.0000	0.0000	0	0.00	
Jun 2019	ZAEU	Future	5,256	16.0407	16.2803	0.0000	0.0000	0	0.00	
			<u>190,682</u>					<u>2,800.00</u>	<u>41,974,265.60</u>	<u>14 558 519.00</u>
		<b>Total</b>								<b>207 324 506 066.40</b>
<b>Option</b>										
Jun 2018	ZAEU	13.50 Put	29,734	3.6702	3.0012	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.75 Put	50,948	6.2730	5.6422	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.97 Put	6,460	10.4518	9.4206	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.25 Put	29,734	27.0643	18.6061	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.30 Call	10,000	624.7086	825.5779	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.40 Call	10,000	542.7400	734.3843	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.00 Call	3,000	190.7140	310.6396	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.25 Put	50,948	474.3034	347.1922	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.63 Call	29,734	50.9630	100.0743	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.00 Call	3,000	20.9722	46.9719	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.44 Put	6,460	1556.5155	1351.9737	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	6,460	0.3412	0.6653	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	50,948	0.0109	0.0502	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	13.50 Put	29,734	26.9191	22.9582	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	86,688	121.3123	89.7488	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	948.9752	815.1938	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	122.7501	171.1043	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	11.2191	16.4132	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>
		<b>Total</b>	<b>797,912</b>					<b>2,800.00</b>	<b>41,974,265.60</b>	<b>22 478 293.00</b>
										<b>207 324 506 066.40</b>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
<b>Future</b>											
	Jun 2018	ZAFR	Future	1,215	12.7393	12.8765	0.0000	0.0000	0	0.00	
				<u>1,215</u>					<u>0.00</u>	<u>0.00</u>	<u>609 303.00</u>
			<b>Total</b>	<b>1,215</b>					<b>0.00</b>	<b>0.00</b>	<b>609 303.00</b>
<b>Future</b>											
	Jun 2018	ZAGB	Future	428,291	16.9635	17.2182	17.0235	16.9422	118	1,999,640.50	
	Sep 2018	ZAGB	Future	18,594	17.2413	17.5030	17.2981	17.2029	7	120,685.30	
	Dec 2018	ZAGB	Future	7,517	17.5051	17.7759	0.0000	0.0000	0	0.00	
	Mar 2019	ZAGB	Future	4,932	17.7946	18.0743	0.0000	0.0000	0	0.00	
	Jun 2019	ZAGB	Future	5,465	18.0623	18.3464	0.0000	0.0000	0	0.00	
				<u>464,799</u>					<u>125.00</u>	<u>2,120,325.80</u>	<u>10 793 814.00</u>
			<b>Total</b>						<b>125.00</b>	<b>2,120,325.80</b>	<b>180 792 067 128.70</b>
<b>Option</b>											
	Jun 2018	ZAGB	17.50 Put	500	649.6141	485.2460	0.0000	0.0000	0	0.00	
	Jun 2018	ZAGB	20.40 Call	500	0.9422	1.8427	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>
			<b>Total</b>	<b>465,799</b>					<b>125.00</b>	<b>2,120,325.80</b>	<b>12 567 927.00</b>
<b>Future</b>											
	Jun 2018	ZAJY	Future	8,296	0.1139	0.1155	0.0000	0.0000	0	0.00	
				<u>8,296</u>					<u>0.00</u>	<u>0.00</u>	<u>985 278.00</u>
			<b>Total</b>	<b>8,296</b>					<b>0.00</b>	<b>0.00</b>	<b>985 278.00</b>
<b>Future</b>											
	Jun 2018	ZAKS	Future	1,145	0.1249	0.1270	0.0000	0.0000	0	0.00	
	Sep 2018	ZAKS	Future	562	0.1242	0.1265	0.0000	0.0000	0	0.00	
				<u>1,707</u>					<u>0.00</u>	<u>0.00</u>	<u>31 923.00</u>
			<b>Total</b>	<b>1,707</b>					<b>0.00</b>	<b>0.00</b>	<b>31 923.00</b>
<b>Future</b>											
	Jun 2018	ZATR	Future	3,940	2.6908	2.7692	0.0000	0.0000	0	0.00	
				<u>3,940</u>					<u>0.00</u>	<u>0.00</u>	<u>258 929.00</u>
			<b>Total</b>	<b>3,940</b>					<b>0.00</b>	<b>0.00</b>	<b>258 929.00</b>
<b>Future</b>											
	Jun 2018	ZAUM	Future	419	12.6269	12.8246	0.0000	0.0000	0	0.00	
	Sep 2018	ZAUM	Future	47	12.7763	12.9788	0.0000	0.0000	0	0.00	
	Dec 2018	ZAUM	Future	10	12.9157	13.1240	0.0000	0.0000	0	0.00	
				<u>476</u>					<u>0.00</u>	<u>0.00</u>	<u>150 787.00</u>
			<b>Total</b>	<b>476</b>					<b>0.00</b>	<b>0.00</b>	<b>155 310.00</b>

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<b>Future</b>											
Jun 2018	ZAUS	Future	1,144,635	12.6269	12.8246	12.6683	12.5475	56,317	712,398,923.90		
Sep 2018	ZAUS	Future	86,798	12.7763	12.9788	12.8185	12.6925	28,360	361,102,975.40		
Dec 2018	ZAUS	Future	26,754	12.9157	13.1240	12.9374	12.8500	1,812	23,315,581.30		
Mar 2019	ZAUS	Future	4,948	13.0634	13.2766	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	Future	3,087	13.1991	13.4148	0.0000	0.0000	0	0.00		
			<u>1,266,222</u>				<u>86,489.00</u>		<u>1,096,817,480.60</u>	<u>173 394 288.00</u>	<u>2 045 107 063 783.90</u>
<b>Option</b>											
Jun 2018	ZAUS	11.00 Put	60,750	0.1894	0.5503	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.20 Put	2,550	0.7944	1.1124	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.35 Call	10,000	1278.9475	1476.4758	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.45 Call	10,000	1180.1328	1377.2495	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.50 Put	40,216	3.8086	3.1452	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.60 Put	12,000	5.2950	4.2769	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.75 Put	60,000	8.7096	6.7924	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.77 Put	76,000	9.3094	7.2252	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.80 Put	5,500	10.2883	7.9272	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.90 Put	9,500	14.3638	10.7980	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.00 Call	3,000	646.9643	839.3062	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.00 Put	38,700	20.0643	14.7062	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.06 Put	150	27.4195	17.6953	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.12 Put	372	36.6466	21.2823	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.14 Put	155,500	40.1791	22.6302	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.15 Call	500	518.9367	697.9457	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.15 Put	1,000	42.0367	23.3457	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.20 Call	40,000	479.1644	654.2002	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.23 Call	3,000	456.0882	628.5161	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.25 Call	40,000	441.0472	611.6427	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.25 Put	12,415	64.1472	37.0427	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.30 Call	4,000	404.6846	570.3874	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.30 Put	24,500	77.7846	45.7874	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.40 Put	15,103	110.6261	67.5999	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.45 Call	150	306.8307	455.4500	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.50 Call	3,250	278.0910	420.3596	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.50 Put	115,230	151.1910	95.7596	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.55 Call	80,000	251.3028	386.9861	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.75 Call	4,000	164.7128	271.1875	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.75 Put	66	287.8128	196.5875	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.96 Put	2,700	436.8971	317.5077	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.00 Call	15,500	94.8624	168.4614	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.00 Put	21,228	467.9624	343.8614	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.05 Put	1,250	507.8099	378.0837	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	13.17 Put	965	607.5098	465.5342	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	633.2237	488.4659	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	720.8669	567.6288	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	42.1859	83.2370	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	865.1041	701.6690	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	883.5255	718.8271	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	902.0225	736.0992	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1033.3397	859.8938	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1138.3601	960.1621	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1186.5173	1006.4538	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1196.1760	1015.7602	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1215.5196	1034.4182	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1225.2036	1043.7686	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1283.4699	1100.1635	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	8.0650	19.7346	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1381.1650	1195.1346	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1479.3806	1291.1247	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1627.4304	1436.4461	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	2.1943	5.7119	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	1.4346	3.7480	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	1.1382	2.9707	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	0.5809	1.4936	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	0.5441	1.3956	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	0.4714	1.1659	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	0.4478	0.9753	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.4152	0.8505	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.4000	0.8329	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	0.3940	0.8259	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	0.3513	0.7797	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	0.3123	0.7462	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	0.2975	0.7395	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.2958	0.7392	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.2648	0.7390	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.2449	0.7392	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.1739	0.7415	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.0841	0.4001	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.0676	0.3320	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.0377	0.2021	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.0233	0.1342	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	35.9337	31.3648	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	37.2182	32.4264	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	48.6864	38.2770	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	11.75 Put	93,314	70.6745	51.2751	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	88.9316	65.4303	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	99.2364	73.5059	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	122.3415	91.8107	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	724.0070	880.1942	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	197.7070	151.3942	0.0000	0.0000	40,000	0.00
Sep 2018	ZAUS	12.30 Put	100	216.2672	165.8618	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	248.0762	191.4453	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.40 Put	250	256.4346	198.4539	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	576.9409	714.6328	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	34,000	300.6409	235.8328	0.0000	0.0000	30,000	0.00
Sep 2018	ZAUS	12.58 Put	8,000	338.8730	268.5396	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	353.8551	281.4431	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	374.3758	299.1892	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	445.8608	564.8810	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	432.9866	549.9502	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	486.6446	396.9978	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	357.9485	458.7128	0.0000	0.0000	42,500	0.00
Sep 2018	ZAUS	13.00 Put	0	581.6485	479.9128	0.0000	0.0000	10,000	0.00
Sep 2018	ZAUS	13.20 Call	4,000	295.5671	383.2491	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	281.7437	366.3363	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	755.4437	637.5363	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	268.5743	350.1550	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	221.7399	292.2496	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	191.8888	255.2910	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	19.3724	30.4670	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	17.9499	28.3879	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	16.0997	25.6659	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	13.6810	22.0728	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	106.0236	86.0569	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	326.1048	266.5499	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	150	795.0519	935.8192	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	10,100	379.3519	311.8192	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	442.0390	367.4480	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	563.7101	677.1319	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	491.1541	593.6611	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	474.5262	574.4871	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	2,764	326.5538	400.9706	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	295.6940	364.3921	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	1,500	286.1471	353.0315	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	1,000	145.1691	185.7889	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.95 Call	2,000	83.1475	105.7761	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	9.5190	8.8322	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	11.74 Put	1,000	173.3179	137.2959	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.06 Put	4,145	263.4775	219.5908	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.76 Put	250	559.7445	478.5166	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	13.45 Call	4,145	590.4947	691.9431	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	14.48 Call	1,000	342.2106	408.1784	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	15.20 Call	1,000	233.4599	283.0242	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	10.69 Put	1,000	19.8094	12.4838	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.28 Put	1,000	385.9984	331.9747	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.58 Call	1,000	453.5537	526.4701	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	123.0322	148.7777	0.0000	0.0000	0	0.00	
			<u>2,225,024</u>					<u>122,500.00</u>	<u>0.00</u>	<u>48 307 254.00</u>
		<b>Total</b>	<b><u>3,491,246</u></b>					<b><u>208,989.00</u></b>	<b><u>1,096,817,480.60</u></b>	<b><u>221 701 542.00</u></b>
										<u>0.00</u>
										<u>2 045 107 063 783.90</u>

<b>Grand Total</b>	<b><u>5,534,255</u></b>							<b><u>326,012.00</u></b>	<b><u>1 305 606 031.50</u></b>	<b><u>302,975,505</u></b>	<b><u>2,845,311,120,362.78</u></b>
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