



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 08-May-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
May 2018	DAEU	Future	41	15.0072	15.0323	0.0000	0.0000	0	0.00		
			<u>41</u>					<u>0.00</u>	<u>0.00</u>	790 899.00	11 804 604 189.10
		<b>Total</b>	<b>41</b>					<b>0.00</b>	<b>0.00</b>	1 737 686.00	11 804 604 189.10
<b>Future</b>											
May 2018	DAGB	Future	11	17.0784	17.0841	0.0000	0.0000	0	0.00		
			<u>11</u>					<u>0.00</u>	<u>0.00</u>	53 733.00	881 578 220.30
		<b>Total</b>	<b>11</b>					<b>0.00</b>	<b>0.00</b>	261 046.00	881 578 220.30
<b>Future</b>											
May 2018	DAUS	Future	70	12.6265	12.5809	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	46,000	12.6434	12.5978	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	34,600	12.6452	12.5994	0.0000	0.0000	35,000	439,722,500.00		
May 2018	DAUS	Future	20,000	12.6503	12.6045	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	40,000	12.6571	12.6113	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	270	12.6606	12.6147	0.0000	0.0000	270	3,402,810.00		
Jun 2018	DAUS	Future	1,746	12.6743	12.6283	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	9,546	12.6942	12.6483	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	2,085	12.7090	12.6631	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	100	12.7139	12.6681	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,800	12.7433	12.6972	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	500	12.7498	12.7036	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	70	12.7515	12.7052	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,345	12.7547	12.7084	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	2,515	12.7612	12.7148	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	12.7822	12.7356	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	2,879	12.8110	12.7643	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	1,295	12.8557	12.8089	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	12.8988	12.8519	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	12.9052	12.8582	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	1,643	12.9084	12.8614	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	12.9292	12.8820	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	1,212	12.9557	12.9084	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.0527	13.0048	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.0730	13.0249	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	1,225	13.0961	13.0478	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.1377	13.0890	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,225	13.1901	13.1408	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	13.9108	13.8596	0.0000	0.0000	0	0.00		
			<u>260,270</u>					<u>35,270.00</u>	<u>443,125,310.00</u>	<u>9 854 622.00</u>	<u>119 631 664 619.20</u>

**Option**

May 2018	DAUS	12.74 Put	1,880	124.1933	179.9623	0.0000	0.0000	0	0.00
May 2018	DAUS	13.86 Put	1,880	1233.5145	1280.8236	0.0000	0.0000	0	0.00
May 2018	DAUS	15.63 Call	1,880	0.0000	0.0536	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Put	11,000	168.8712	212.7360	0.0000	0.0000	0	0.00
May 2018	DAUS	14.50 Put	11,000	1868.4255	1914.1435	0.0000	0.0000	0	0.00
May 2018	DAUS	15.76 Call	11,000	0.0974	0.1267	0.0000	0.0000	0	0.00
May 2018	DAUS	10.90 Put	1,000	0.0136	0.0000	0.0000	0.0000	0	0.00
May 2018	DAUS	11.70 Put	1,000	0.2424	0.4524	0.0000	0.0000	0	0.00
May 2018	DAUS	12.20 Call	1,000	441.3911	401.5005	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Put	51,000	3.7173	5.7898	0.0000	0.0000	0	0.00
May 2018	DAUS	11.95 Call	30,000	696.8650	652.2580	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Call	30,000	650.0676	606.2067	0.0000	0.0000	0	0.00
May 2018	DAUS	12.37 Call	30,000	331.0816	300.6919	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	80,000	180.4308	163.6455	0.0000	0.0000	0	0.00
May 2018	DAUS	12.45 Call	40,000	286.5868	261.3653	0.0000	0.0000	0	0.00
May 2018	DAUS	12.46 Call	30,000	279.9240	255.2842	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Put	270	146.3032	175.8992	0.0000	0.0000	0	0.00
May 2018	DAUS	12.69 Call	270	164.7031	152.9257	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1145.0756	1190.8814	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.1877	0.2102	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	0.1057	0.1131	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	157.4313	147.9908	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1132.0952	1176.9454	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	1.7387	1.8904	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	1.6613	1.7903	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	20.0547	24.5176	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	171.9319	196.6694	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	142.4415	136.3723	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	52.6846	64.9572	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	70.9918	68.7218	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	57.3499	55.7174	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Jul 2018	DAUS	14.45 Put	1,500	1730.0701	1775.3200	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	4.0016	4.0533	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	1129.1698	1173.0849	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	5.8057	5.7347	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	3.1383	3.0869	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	155.3098	176.2076	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	1181.9421	1225.9371	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	4.3374	4.4529	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	1131.0791	1173.9757	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	9.4995	9.2710	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	4.1347	4.1017	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	1133.1023	1175.1371	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	15.4469	14.7982	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	7.7108	7.2902	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	1135.4713	1176.6739	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	29.2437	28.9933	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	17.9264	17.4912	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.90 Put	1,880	113.5636	127.2693	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.86 Put	1,880	1183.6998	1225.0776	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.81 Call	1,880	24.8144	23.3573	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	10.83 Put	51,000	18.5787	20.4806	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.67 Put	51,000	76.7965	87.1091	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.22 Call	51,000	425.4881	414.3346	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	1139.0191	1179.5451	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	40.8022	40.5270	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	24.3318	23.1800	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.65 Put	20,000	1025.2501	1064.6294	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	15.69 Call	20,000	82.5887	80.5315	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	1141.1250	1180.9528	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	51.7084	49.5809	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	29.6041	28.3392	0.0000	0.0000	0	0.00		
			<u>568,206</u>					<u>0.00</u>	<u>0.00</u>	<u>18 498 245.00</u>	<u>0.00</u>
		<b>Total</b>	<b>828,476</b>					<b>35,270.00</b>	<b>443,125,310.00</b>	<b>28 352 867.00</b>	<b>119 631 664 619.20</b>
<b>Option</b>											
Jun 2018	DAYJ	8.34 Put	110,000	1160.3704	1047.6802	0.0000	0.0000	0	0.00		
			<u>110,000</u>					<u>0.00</u>	<u>0.00</u>	<u>110 000.00</u>	<u>0.00</u>
		<b>Total</b>	<b>110,000</b>					<b>0.00</b>	<b>0.00</b>	<b>110 000.00</b>	<b>0.00</b>
<b>Future</b>											
Jun 2018	EUUS	Future	2,508	1.1889	1.1952	1.1927	1.1883	2,548	30,509,470.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
			2,508					2,548.00	30,509,470.00	706 536.00	8 002 257 152.00
		<b>Total</b>	<b>2,508</b>					<b>2,548.00</b>	<b>30,509,470.00</b>	706 536.00	8 002 257 152.00
<b>Future</b>											
	Sep 2018	JYZA	Future 283	8.4307	8.4641	0.0000	0.0000	0	0.00		
			283					0.00	0.00	18 783.00	186 145 988.86
<b>Option</b>											
	Jun 2018	JYZA	8.89 Put 1,200	3541.8199	3346.4297	0.0000	0.0000	0	0.00		
			1,200					0.00	0.00	25 800.00	0.00
		<b>Total</b>	<b>1,483</b>					<b>0.00</b>	<b>0.00</b>	44 583.00	186 145 988.86
<b>Future</b>											
	Jun 2018	ZAAD	Future 13,367	9.4517	9.5101	9.4470	9.4200	505	4,766,958.00		
	Sep 2018	ZAAD	Future 1,250	9.5686	9.6279	0.0000	0.0000	0	0.00		
	Dec 2018	ZAAD	Future 10,912	9.6828	9.7431	0.0000	0.0000	0	0.00		
			25,529					505.00	4,766,958.00	3 616 045.00	31 315 855 041.70
		<b>Total</b>	<b>25,529</b>					<b>505.00</b>	<b>4,766,958.00</b>	3 648 422.00	31 315 855 041.70
<b>Future</b>											
	Jun 2018	ZACA	Future 1,500	9.7950	9.8401	0.0000	0.0000	0	0.00		
			1,500					0.00	0.00	131 193.00	1 288 920 267.10
		<b>Total</b>	<b>1,500</b>					<b>0.00</b>	<b>0.00</b>	131 193.00	1 288 920 267.10
<b>Future</b>											
	Jun 2018	ZAEU	Future 115,465	15.0878	15.1132	15.0490	15.0303	127	1,916,570.80		
	Sep 2018	ZAEU	Future 58,975	15.3724	15.3982	0.0000	0.0000	0	0.00		
	Dec 2018	ZAEU	Future 7,625	15.6544	15.6815	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	Future 4,686	15.9681	15.9950	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	Future 5,256	16.2351	16.2616	0.0000	0.0000	0	0.00		
			192,007					127.00	1,916,570.80	14 512 747.00	206 640 493 267.30
<b>Option</b>											
	Jun 2018	ZAEU	13.50 Put 29,734	4.3143	4.4981	0.0000	0.0000	136	0.00		
	Jun 2018	ZAEU	13.75 Put 50,995	7.6608	7.9466	0.0000	0.0000	47	0.00		
	Jun 2018	ZAEU	13.97 Put 6,460	11.9253	12.3215	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	14.25 Put 29,734	21.7351	22.2670	0.0000	0.0000	136	0.00		
	Jun 2018	ZAEU	14.30 Call 10,000	812.1052	838.0500	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	14.40 Call 10,000	721.4237	747.3505	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	15.00 Call 3,000	302.3550	324.6326	0.0000	0.0000	0	0.00		
	Jun 2018	ZAEU	15.25 Put 50,995	357.6336	350.9846	0.0000	0.0000	47	0.00		
	Jun 2018	ZAEU	15.63 Call 29,734	96.6481	109.5259	0.0000	0.0000	136	0.00		
	Jun 2018	ZAEU	16.00 Call 3,000	44.8750	52.6413	0.0000	0.0000	0	0.00		

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Jun 2018	ZAEU	16.44 Put	6,460	1367.3009	1345.2657	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	6,460	1.1834	1.6383	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	50,995	0.2662	0.4152	0.0000	0.0000	47	0.00	
Sep 2018	ZAEU	13.50 Put	29,734	16.5199	18.5577	0.0000	0.0000	136	0.00	
Sep 2018	ZAEU	14.25 Put	86,824	76.3936	76.4335	0.0000	0.0000	136	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	794.0788	784.4883	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	139.1084	148.4663	0.0000	0.0000	136	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	14.3627	16.4997	0.0000	0.0000	0	0.00	
			607,507					957.00	0.00	7 918 226.00
		<b>Total</b>	<b>799,514</b>					<b>1,084.00</b>	<b>1,916,570.80</b>	22 430 973.00 206 640 493 267.30
<b>Future</b>										
Jun 2018	ZAFR	Future	1,215	12.7085	12.6433	0.0000	0.0000	0	0.00	
			1,215					0.00	0.00	609 303.00 6 506 705 521.30
		<b>Total</b>	<b>1,215</b>					<b>0.00</b>	<b>0.00</b>	609 303.00 6 506 705 521.30
<b>Future</b>										
Jun 2018	ZAGB	Future	429,488	17.1819	17.1881	17.1034	17.0815	1,269	21,698,582.00	
Sep 2018	ZAGB	Future	18,994	17.4566	17.4638	0.0000	0.0000	0	0.00	
Dec 2018	ZAGB	Future	7,367	17.7237	17.7323	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	Future	4,932	18.0137	18.0218	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,465	18.2817	18.2889	0.0000	0.0000	0	0.00	
			466,246					1,269.00	21,698,582.00	10 773 950.00 180 453 302 871.50
<b>Option</b>										
Jun 2018	ZAGB	17.50 Put	500	521.8500	527.0443	0.0000	0.0000	0	0.00	
Jun 2018	ZAGB	20.40 Call	500	2.1399	2.4482	0.0000	0.0000	0	0.00	
			1,000					0.00	0.00	1 774 113.00 0.00
		<b>Total</b>	<b>467,246</b>					<b>1,269.00</b>	<b>21,698,582.00</b>	12 548 063.00 180 453 302 871.50
<b>Future</b>										
Jun 2018	ZAJY	Future	8,421	0.1165	0.1160	0.0000	0.0000	0	0.00	
			8,421					0.00	0.00	978 768.00 10 908 333 138.10
		<b>Total</b>	<b>8,421</b>					<b>0.00</b>	<b>0.00</b>	978 768.00 10 908 333 138.10
<b>Future</b>										
Jun 2018	ZAKS	Future	1,145	0.1257	0.1253	0.0000	0.0000	0	0.00	
Sep 2018	ZAKS	Future	562	0.1253	0.1248	0.0000	0.0000	0	0.00	
			1,707					0.00	0.00	31 923.00 432 652 210.00
		<b>Total</b>	<b>1,707</b>					<b>0.00</b>	<b>0.00</b>	31 923.00 432 652 210.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Jun 2018	ZATR	Future	3,940	2.9145	2.9239	0.0000	0.0000	0	0.00	
			<u>3,940</u>					0.00	0.00	258 929.00
		<b>Total</b>	<b>3,940</b>					<b>0.00</b>	<b>0.00</b>	258 929.00
<b>Future</b>										
Jun 2018	ZAUM	Future	392	12.6909	12.6450	12.6546	12.6546	2	2,530,920.00	
Sep 2018	ZAUM	Future	57	12.8381	12.7913	0.0000	0.0000	0	0.00	
Dec 2018	ZAUM	Future	10	12.9776	12.9302	0.0000	0.0000	0	0.00	
			<u>459</u>					2.00	2,530,920.00	149 670.00
		<b>Total</b>	<b>459</b>					<b>2.00</b>	<b>2,530,920.00</b>	154 193.00
<b>Future</b>										
Jun 2018	ZAUS	Future	1,142,880	12.6909	12.6450	12.7050	12.5900	29,933	379,127,167.20	
Sep 2018	ZAUS	Future	87,628	12.8381	12.7913	12.7968	12.7855	1,802	23,108,852.70	
Dec 2018	ZAUS	Future	24,922	12.9776	12.9302	0.0000	0.0000	1	12,906.20	
Mar 2019	ZAUS	Future	3,498	13.1238	13.0753	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	Future	3,087	13.2579	13.2086	0.0000	0.0000	0	0.00	
			<u>1,262,015</u>					31,736.00	402,248,926.10	172 636 364.00
										2 035 591 521 150.20
<b>Option</b>										
Jun 2018	ZAUS	11.00 Put	60,750	0.8938	1.0257	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.20 Put	2,550	1.7952	2.0400	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.35 Call	10,000	1343.9096	1298.3990	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.45 Call	10,000	1245.1324	1199.7988	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.50 Put	40,216	4.9717	5.7148	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.60 Put	12,000	6.8528	8.0729	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.75 Put	60,000	11.0546	13.4111	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.77 Put	76,000	11.7780	14.3350	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.80 Put	5,500	12.9511	15.8341	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.90 Put	9,500	17.7389	21.9597	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.00 Call	3,000	715.1168	675.2362	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.00 Put	38,700	24.2168	30.2362	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.06 Put	150	29.5955	39.2336	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.12 Put	372	38.5984	50.0700	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.14 Put	155,500	42.0081	54.1220	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.15 Call	500	584.6935	551.2331	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.15 Put	1,000	43.7935	56.2331	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.23 Call	3,000	521.0148	490.2680	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.25 Call	40,000	505.6897	475.6455	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.25 Put	12,415	64.7897	80.6455	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.30 Call	4,000	468.4766	440.2185	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.30 Put	24,500	77.5766	95.2185	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.40 Put	15,103	108.0924	129.3726	0.0000	0.0000	0	0.00	

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Jun 2018	ZAUS	12.45 Call	150	366.8256	344.0196	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Call	6,550	336.4161	315.4012	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	115,230	145.5161	170.4012	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	270.8525	304.8053	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	410.7289	449.4927	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Call	15,500	130.9712	124.5533	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	21,228	440.0712	479.5533	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	477.8058	518.1061	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	572.6846	614.6139	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	597.2590	639.5292	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	681.3154	724.5559	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	65.3549	62.7806	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	820.9203	865.0494	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	838.7709	883.0230	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	856.7088	901.0774	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	984.4573	1029.4794	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1087.0796	1132.4564	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1134.2589	1179.7608	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1143.7303	1189.2548	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1162.7065	1208.2741	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1172.2110	1217.7991	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1229.4522	1275.1486	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	16.2987	16.0151	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1325.3987	1371.0151	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1422.0013	1467.7105	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1568.1702	1613.9683	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	4.6892	4.6620	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	3.0718	3.0616	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	2.4310	2.4255	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	1.2135	1.2124	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	1.1328	1.1318	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	0.9438	0.9871	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	0.8861	0.9918	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.9014	1.0031	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.9112	1.0109	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	0.9157	1.0146	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	0.9620	1.0547	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	1.0488	1.1346	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	1.1115	1.1937	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	1.1206	1.2024	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	1.1458	1.1171	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	1.1012	1.0491	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	16.65 Call	500	0.8358	0.7971	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.4657	0.4452	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.3905	0.3736	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.2442	0.2342	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.1660	0.1594	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	29.9282	34.2252	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	30.9642	35.4322	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	38.8293	46.4499	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	83,314	57.7328	67.6449	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	73.7056	85.2996	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	82.8107	95.2825	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	103.4177	117.7122	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	759.0992	732.3246	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	187.9878	209.0919	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	217.2855	240.1009	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	604.2338	582.7582	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	24,000	266.1338	291.4582	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	316.0471	343.5826	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	335.4002	363.7156	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	465.3182	449.0733	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	451.6383	435.9262	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	441.4837	474.2711	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.88 Put	250	459.2201	492.4814	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	20,000	371.4661	359.7136	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	305.5932	296.3861	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	291.0071	282.3607	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	702.9071	741.0607	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	277.1205	268.9992	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	227.9837	221.5216	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	196.6473	191.2919	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	15.2046	14.6785	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	13.6319	13.1771	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	11.6387	11.2726	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	9.1394	8.8809	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	86.3914	95.5033	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	280.5209	303.5930	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	150	807.9159	785.5584	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	100	330.3159	355.3584	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	389.4983	416.5962	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	564.0375	549.4084	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	488.5460	476.2148	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	2,764	318.3801	311.1387	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	13.95 Call	39,589	286.7253	280.3552	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	14.89 Call	1,000	146.9189	143.5486	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	15.00 Call	1,000	135.8210	132.7313	0.0000	0.0000	0	0.00	
Dec 2018	ZAUS	15.95 Call	2,000	72.7028	71.3294	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	10.33 Put	1,000	8.9050	8.8200	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	11.74 Put	1,000	141.8382	155.5974	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.06 Put	4,145	222.5271	241.0927	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.76 Put	250	497.6142	525.5980	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	13.45 Call	4,145	576.6478	563.8552	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	14.48 Call	1,000	324.3015	317.8302	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	15.20 Call	1,000	215.3671	210.4983	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	102.8749	99.2216	0.0000	0.0000	0	0.00	
			<u>2,002,824</u>					<u>0.00</u>	<u>0.00</u>	<u>47 963 954.00</u>
	<b>Total</b>		<b><u>3,264,839</u></b>					<b><u>31,736.00</u></b>	<b><u>402,248,926.10</u></b>	<b><u>220 600 318.00</u></b>
										<u>2 035 591 521 150.20</u>

<b>Grand Total</b>	<b><u>5,516,889</u></b>							<b><u>72,414.00</u></b>	<b><u>906 796 736.90</u></b>	<b><u>301,289,289</u></b>	<b><u>2,831,777,679,443.98</u></b>
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