



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 17-November-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Future											
Nov 2017	DAEU	Future	800	16.5893	16.7944	0.0000	0.0000	0	0.00		
Dec 2017	DAEU	Future	3	16.6093	16.8148	0.0000	0.0000	0	0.00		
Dec 2017	DAEU	Future	800	16.6964	16.9033	0.0000	0.0000	0	0.00		
Jan 2018	DAEU	Future	30	16.8343	17.0428	0.0000	0.0000	30	509,580.00		
Mar 2018	DAEU	Future	3	17.0454	17.2140	0.0000	0.0000	3	51,642.00		
			<u>1,636</u>					<u>33.00</u>	<u>561,222.00</u>	<u>247 841.00</u>	<u>3 575 292 564.30</u>
Option											
Jan 2018	DAEU	15.80 Put	193,000	139.3570	106.3225	0.0000	0.0000	0	0.00		
Feb 2018	DAEU	16.41 Put	114,748	357.7177	290.5195	0.0000	0.0000	0	0.00		
			<u>307,748</u>					<u>0.00</u>	<u>0.00</u>	<u>632 247.00</u>	<u>0.00</u>
Total			309,384					33.00	561,222.00	880 088.00	3 575 292 564.30
Future											
Dec 2017	DAGB	Future	10	18.6157	18.8689	0.0000	0.0000	0	0.00		
Jan 2018	DAGB	Future	10	18.7944	19.0499	0.0000	0.0000	0	0.00		
Mar 2018	DAGB	Future	17	18.8983	19.2360	0.0000	0.0000	17	327,012.00		
			<u>37</u>					<u>17.00</u>	<u>327,012.00</u>	<u>53 515.00</u>	<u>877 810 217.50</u>
Option											
Dec 2017	DAGB	19.19 Call	15,200	83.0269	142.5981	0.0000	0.0000	0	0.00		
			<u>15,200</u>					<u>0.00</u>	<u>0.00</u>	<u>207 313.00</u>	<u>0.00</u>
Total			15,237					17.00	327,012.00	260 828.00	877 810 217.50
Future											
Nov 2017	DAUS	Future	0	14.0448	14.2368	0.0000	0.0000	238	3,342,662.40		
Nov 2017	DAUS	Future	300	14.0493	14.2377	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	1,990	14.0608	14.2486	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	2,708	14.0654	14.2533	0.0000	0.0000	500	7,040,250.00		
Dec 2017	DAUS	Future	24	14.0746	14.2627	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	241	14.0977	14.2862	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	1,781	14.1000	14.2886	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 2017	DAUS	Future	916	14.1279	14.3168	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	500	14.1325	14.3215	0.0000	0.0000	500	7,075,250.00		
Jan 2018	DAUS	Future	677	14.1465	14.3355	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	500	14.1605	14.3496	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	14.1651	14.3543	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	300	14.1744	14.3637	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	14.1791	14.3684	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	70	14.1953	14.3848	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	857	14.2089	14.3988	0.0000	0.0000	773	11,021,976.50		
Feb 2018	DAUS	Future	70	14.2386	14.4291	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	500	14.2727	14.4636	0.0000	0.0000	500	7,141,750.00		
Mar 2018	DAUS	Future	696	14.3383	14.5298	0.0000	0.0000	569	8,177,542.00		
Apr 2018	DAUS	Future	70	14.3971	14.5892	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	110	14.4107	14.6029	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	70	14.4356	14.6280	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	181	14.4807	14.6737	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	445	14.5461	14.7402	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	100	14.5528	14.7471	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,800	14.5934	14.7884	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	70	14.6047	14.7998	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,853	14.6182	14.8136	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	14.6475	14.8434	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	1,336	14.6883	14.8852	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	1,295	14.7522	14.9507	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.8138	15.0138	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.8229	15.0232	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.8572	15.0582	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	15.0911	15.2909	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	16.5172	16.7252	0.0000	0.0000	0	0.00		
			<u>104,447</u>					<u>3,080.00</u>	<u>43,799,430.90</u>	<u>6 887 322.00</u>	<u>83 460 759 583.90</u>

Option

Nov 2017	DAUS	14.17 Call	10,000	66.8660	158.2750	0.0000	0.0000	0	0.00
Nov 2017	DAUS	14.54 Call	300	24.9854	60.0781	0.0000	0.0000	0	0.00
Nov 2017	DAUS	14.70 Call	50	12.1363	33.4226	0.0000	0.0000	0	0.00
Nov 2017	DAUS	13.50 Put	60	18.4813	5.6909	0.0000	0.0000	0	0.00
Nov 2017	DAUS	17.74 Call	60	0.1729	0.1297	0.0000	0.0000	0	0.00
Nov 2017	DAUS	12.75 Put	238,000	2.5769	1.2097	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.50 Put	60	112.3965	63.3193	0.0000	0.0000	0	0.00
Dec 2017	DAUS	18.02 Call	60	3.7917	3.2292	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.50 Call	150	236.1326	296.3574	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.80 Call	200	158.6812	202.0323	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.20 Put	2,000	80.6694	51.0700	0.0000	0.0000	0	0.00

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Jan 2018	DAUS	14.76 Call	1,000	205.7512	259.2231	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.88 Call	1,000	178.0835	225.5597	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.90 Put	20,000	306.0940	0.0000	0.0000	0.0000	20,000	0.00
Jan 2018	DAUS	13.25 Put	107,000	118.6283	85.5132	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.27 Put	154,000	122.8270	88.7886	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.30 Put	40,904	129.3303	93.8778	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.40 Put	168,000	152.8411	112.4561	0.0000	0.0000	0	0.00
Feb 2018	DAUS	12.57 Put	242	36.9864	27.9689	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.04 Put	234	81.7913	57.3354	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.15 Put	3,496	100.3695	71.4975	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.22 Call	242	178.1351	220.7737	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.52 Call	2,723	131.9420	164.4711	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.79 Call	234	99.4007	126.0878	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.88 Call	773	90.2384	115.2176	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.80 Put	35,000	290.0443	223.5169	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.90 Put	20,000	334.4937	271.2156	0.0000	0.0000	0	0.00
Feb 2018	DAUS	14.20 Put	20,000	488.8143	398.2232	0.0000	0.0000	0	0.00
Feb 2018	DAUS	14.18 Put	90,000	490.8525	402.6737	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.50 Put	100,000	211.4532	163.6210	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.40 Put	100,000	184.8892	141.7273	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.00 Put	1,000	1046.4363	925.0867	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.81 Call	2,000	265.2908	309.6747	0.0000	0.0000	0	0.00
Apr 2018	DAUS	13.80 Put	1,000	369.7857	304.6739	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.23 Call	500	395.5557	458.3064	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.66 Call	500	301.9964	351.1246	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Put	11,000	106.3643	82.5865	0.0000	0.0000	0	0.00
May 2018	DAUS	14.50 Put	11,000	728.7051	630.9330	0.0000	0.0000	0	0.00
May 2018	DAUS	15.76 Call	11,000	312.9824	361.8240	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	392.4368	329.9041	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	421.6160	482.2250	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	326.2000	374.3047	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	414.1255	353.0734	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	445.3929	504.4205	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	347.8504	396.1230	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.19 Put	1,500	606.7462	525.3601	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	743.5297	651.8590	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.72 Call	1,500	477.4956	536.8422	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	429.8214	483.5502	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	434.7864	374.3952	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	470.2758	527.8482	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	370.1332	418.7413	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	454.2685	394.4327	0.0000	0.0000	0	0.00

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Aug 2018	DAUS	16.05 Call	500	486.1654	541.8342	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	385.2093	432.0390	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	469.1648	409.8416	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	500.9743	555.2889	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	397.3711	442.1598	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	485.3287	426.1504	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	519.3850	573.6526	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	418.8632	462.9553	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	500.0941	441.1897	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	534.2129	588.5839	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	428.3903	471.6008	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	514.5259	455.2662	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	558.2341	610.8609	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	449.5265	491.1665	0.0000	0.0000	0	0.00		
			<u>1,175,788</u>					<u>20,000.00</u>	<u>0.00</u>	<u>14 848 350.00</u>	<u>0.00</u>
	Total		1,280,235					23,080.00	43,799,430.90	21 735 672.00	83 460 759 583.90
Future											
Dec 2017	EUUS	Future	30	1.1811	1.1799	0.0000	0.0000	0	0.00		
			<u>30</u>					<u>0.00</u>	<u>0.00</u>	<u>649 030.00</u>	<u>7 292 373 935.00</u>
	Total		30					0.00	0.00	649 030.00	7 292 373 935.00
Future											
Dec 2017	ZAAD	Future	10,057	10.6341	10.8574	10.7300	10.6355	10	106,827.50		
Mar 2018	ZAAD	Future	1,650	10.7853	11.0116	0.0000	0.0000	0	0.00		
Jun 2018	ZAAD	Future	300	10.9370	11.1662	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	10,812	11.2440	11.4800	0.0000	0.0000	21,624	246,312,496.80		
			<u>22,819</u>					<u>21,634.00</u>	<u>246,419,324.30</u>	<u>3 422 386.00</u>	<u>29 397 288 916.80</u>
	Total		22,819					21,634.00	246,419,324.30	3 454 763.00	29 397 288 916.80
Future											
Dec 2017	ZACA	Future	1,000	11.0097	11.2124	0.0000	0.0000	0	0.00		
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	<u>121 953.00</u>	<u>1 198 148 597.10</u>
	Total		1,000					0.00	0.00	121 953.00	1 198 148 597.10
Future											
Dec 2017	ZADK	Future	1,250	2.2416	2.2689	0.0000	0.0000	0	0.00		
			<u>1,250</u>					<u>0.00</u>	<u>0.00</u>	<u>9 820.00</u>	<u>211 287 109.00</u>
	Total		1,250					0.00	0.00	9 820.00	211 287 109.00

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Dec 2017	ZAEU	Future	110,137	16.6612	16.8675	16.8663	16.5969	993	16,657,872.80
Mar 2018	ZAEU	Future	15,153	17.0074	17.2181	17.1850	16.9700	949	16,265,365.50
Jun 2018	ZAEU	Future	546	17.3537	17.5681	17.5323	17.5317	500	8,766,000.00
Sep 2018	ZAEU	Future	4,679	17.7094	17.9297	0.0000	0.0000	0	0.00
			<u>130,515</u>					<u>2,442.00</u>	<u>41,689,238.30</u>
									<u>12 778 523.00</u>
									<u>180 044 477 677.00</u>
Option									
Dec 2017	ZAEU	14.00 Put	18,000	2.6395	1.2444	0.0000	0.0000	0	0.00
Dec 2017	ZAEU	16.39 Call	18,000	510.2558	631.3912	0.0000	0.0000	0	0.00
Mar 2018	ZAEU	15.05 Put	5,648	71.7021	59.9811	0.0000	0.0000	0	0.00
Mar 2018	ZAEU	15.10 Put	19,510	75.5700	63.3863	0.0000	0.0000	0	0.00
Mar 2018	ZAEU	16.39 Put	174,600	366.8795	300.6019	0.0000	0.0000	0	0.00
Mar 2018	ZAEU	16.50 Call	643	918.8728	1057.9694	0.0000	0.0000	0	0.00
Mar 2018	ZAEU	17.00 Call	620	660.6695	775.1871	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	13.75 Put	54,507	27.0669	22.6219	0.0000	0.0000	54	0.00
Jun 2018	ZAEU	13.97 Put	7,000	32.0394	25.1502	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	15.25 Put	54,507	140.6866	116.4165	0.0000	0.0000	54	0.00
Jun 2018	ZAEU	16.44 Put	7,000	434.8064	373.7824	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	18.61 Call	7,000	468.3466	536.5804	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	20.55 Call	54,507	182.5679	214.3076	0.0000	0.0000	54	0.00
Sep 2018	ZAEU	14.25 Put	41,516	51.4059	54.1600	0.0000	0.0000	82	0.00
Sep 2018	ZAEU	16.00 Put	41,516	327.8060	286.8559	0.0000	0.0000	82	0.00
Sep 2018	ZAEU	21.63 Call	41,516	252.3052	276.7660	0.0000	0.0000	82	0.00
			<u>546,090</u>					<u>408.00</u>	<u>0.00</u>
									<u>6 003 288.00</u>
									<u>0.00</u>
		Total	676,605					2,850.00	41,689,238.30
									18 781 811.00
									180 044 477 677.00
Future									
Dec 2017	ZAFR	Future	1,502	14.2671	14.4578	0.0000	0.0000	0	0.00
			<u>1,502</u>					<u>0.00</u>	<u>0.00</u>
		Total	1,502					0.00	0.00
									598 403.00
									6 361 410 016.60
Future									
Dec 2017	ZAGB	Future	212,824	18.6266	18.8797	18.9542	18.5380	5,084	95,249,083.90
Mar 2018	ZAGB	Future	4,005	18.9627	19.2203	19.2047	19.1975	495	9,433,125.00
Jun 2018	ZAGB	Future	4,383	19.2950	19.5567	0.0000	0.0000	0	0.00
Sep 2018	ZAGB	Future	3,565	19.6291	19.8973	0.0000	0.0000	0	0.00
			<u>224,777</u>					<u>5,579.00</u>	<u>104,682,208.90</u>
									<u>9 238 118.00</u>
									<u>153 838 172 178.80</u>
Option									
Dec 2017	ZAGB	18.20 Call	400	681.7000	839.2812	0.0000	0.0000	0	0.00
Dec 2017	ZAGB	19.80 Call	800	107.6149	145.5535	0.0000	0.0000	0	0.00
Mar 2018	ZAGB	17.00 Put	500	150.1493	117.3747	0.0000	0.0000	0	0.00
Mar 2018	ZAGB	20.14 Call	500	402.1158	475.9239	0.0000	0.0000	0	0.00

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			2,200					0.00	0.00	1 770 013.00	0.00
		Total	226,977					5,579.00	104,682,208.90	11 008 131.00	153 838 172 178.80
Future											
	Dec 2017 ZAJY	Future	225	0.1256	0.1268	0.0000	0.0000	0	0.00		
			225					0.00	0.00	952 950.00	10 619 017 477.80
		Total	225					0.00	0.00	952 950.00	10 619 017 477.80
Future											
	Jun 2018 ZAKS	Future	1,145	0.1334	0.1352	0.0000	0.0000	0	0.00		
	Sep 2018 ZAKS	Future	562	0.1326	0.1348	0.0000	0.0000	0	0.00		
			1,707					0.00	0.00	31 923.00	432 652 210.00
		Total	1,707					0.00	0.00	31 923.00	432 652 210.00
Future											
	Dec 2017 ZATR	Future	4,775	3.5991	3.6692	0.0000	0.0000	0	0.00		
			4,775					0.00	0.00	232 448.00	840 450 875.50
		Total	4,775					0.00	0.00	232 448.00	840 450 875.50
Future											
	Dec 2017 ZAUM	Future	778	14.1070	14.2956	14.2764	14.0535	25	35,412,400.00		
	Mar 2018 ZAUM	Future	28	14.3157	14.5070	14.4659	14.3106	10	14,388,250.00		
	Jun 2018 ZAUM	Future	14	14.5213	14.7150	14.6694	14.6694	5	7,334,700.00		
			820					40.00	57,135,350.00	144 421.00	165 769 917 720.00
		Total	820					40.00	57,135,350.00	148 944.00	165 769 917 720.00
Future											
	Dec 2017 ZAUS	Future	1,069,451	14.1070	14.2956	14.3008	14.0300	88,395	1,254,511,316.10		
	Mar 2018 ZAUS	Future	183,122	14.3157	14.5070	14.5000	14.2547	5,211	75,115,257.10		
	Jun 2018 ZAUS	Future	112,278	14.5213	14.7150	14.5473	14.4600	560	8,209,628.00		
	Sep 2018 ZAUS	Future	3,277	14.7271	14.9249	0.0000	0.0000	0	0.00		
			1,368,128					94,166.00	1,337,836,201.20	158 576 909.00	1 858 863 382 859.10
Option											
	Dec 2017 ZAUS	11.75 Put	1,000	2.2487	0.8289	0.0000	0.0000	0	0.00		
	Dec 2017 ZAUS	12.00 Put	20,141	3.2303	1.3276	0.0000	0.0000	0	0.00		
	Dec 2017 ZAUS	12.16 Put	550	4.1060	1.8049	0.0000	0.0000	0	0.00		
	Dec 2017 ZAUS	12.20 Put	4,000	4.3647	1.9505	0.0000	0.0000	0	0.00		
	Dec 2017 ZAUS	12.21 Put	18,000	4.4322	1.9888	0.0000	0.0000	0	0.00		
	Dec 2017 ZAUS	12.40 Put	114,600	5.9677	2.8892	0.0000	0.0000	0	0.00		
	Dec 2017 ZAUS	12.50 Put	16,416	7.0132	3.5284	0.0000	0.0000	0	0.00		
	Dec 2017 ZAUS	12.56 Put	7,100	7.7398	3.9825	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 2017	ZAUS	12.65 Put	1,819	8.9965	4.7836	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.75 Put	10,000	11.6552	5.8781	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.76 Put	550	12.0609	6.0014	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.00 Put	10,000	26.0871	12.0455	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.10 Put	41,000	35.0124	16.6189	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.12 Put	40,000	37.0665	17.6945	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.15 Put	2,600	40.3308	19.4205	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.18 Put	16,000	43.8228	21.2896	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.20 Call	7,000	953.2830	1118.2186	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.20 Put	6,728	46.2830	22.6186	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.21 Put	5,000	47.5539	23.3098	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.22 Put	7,100	48.8525	24.0183	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.25 Call	16,141	909.9191	1071.8554	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.35 Put	52,000	68.4431	35.0276	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.40 Put	114,600	77.4308	40.2600	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.50 Call	11,016	706.1676	848.2742	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.60 Call	4,000	632.0302	763.6635	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Call	3,750	522.7080	640.0866	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Put	3,000	175.7080	104.4866	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.80 Put	550	190.2582	115.3931	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.93 Call	7,100	419.9133	521.7837	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Call	19,000	381.7103	477.2545	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Put	34,000	274.7103	181.6545	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.10 Call	100	331.3221	0.0000	0.0000	0.0000	100	0.00
Dec 2017	ZAUS	14.27 Put	40,000	423.6238	303.5986	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.40 Call	2,000	215.3213	273.4882	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Call	8,000	185.1737	236.6471	0.0000	0.0000	600	0.00
Dec 2017	ZAUS	14.50 Put	2,055	578.1737	441.0471	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.63 Call	10,000	151.4995	195.2619	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.90 Call	1,500	98.2483	129.4614	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	4,580	83.2203	110.8567	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	69.1623	92.9288	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.12 Call	40,000	68.0016	91.4418	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.50 Call	25,457	35.3330	49.1678	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.60 Call	10,000	29.9389	41.6998	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	16.00 Call	117,200	15.5007	21.0196	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.13 Call	18,000	3.5115	2.9149	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	3.4182	2.7493	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	3.0510	2.4265	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	225,000	26.7744	18.6475	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.36 Put	20,880	44.5875	33.0841	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	47.1187	35.1840	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 2018	ZAUS	12.50 Put	26,000	54.0276	40.9549	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.57 Put	3,000	59.3926	45.4768	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.94 Put	5,000	100.0193	77.3822	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	94,964	110.3068	84.0575	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.22 Put	15,000	154.8148	118.7048	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	2,478	161.7600	124.4053	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	194.4393	151.4485	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	7,500	199.8489	155.9584	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Call	15,000	1044.1703	1186.9596	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Put	17,750	228.4703	179.9596	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.60 Put	3,000	259.7960	206.4620	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.74 Put	20,880	311.1426	247.9506	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.76 Call	4,000	874.6510	1001.3033	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.91 Put	7,000	381.2972	308.0486	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.05 Put	500	445.4776	365.0191	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.16 Put	750	499.9106	413.8396	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.18 Put	41,000	510.1810	423.0982	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Put	65,000	520.5651	432.4735	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.44 Call	10,000	531.6867	620.9160	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.45 Call	17,000	527.7297	616.3291	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.49 Put	80,000	686.4666	581.2530	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Call	240	508.3430	593.8032	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Put	400	692.6430	586.8032	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.52 Put	1,000	705.0694	598.2769	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.68 Call	1,000	443.7617	520.9000	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.68 Put	1,000	808.0617	693.9000	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.75 Call	20,880	420.7496	494.8069	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.79 Call	100	408.1010	480.4422	0.0000	0.0000	200	0.00
Mar 2018	ZAUS	14.79 Put	100	882.4010	763.4422	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.86 Call	15,000	386.8235	456.2320	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.90 Call	5,000	375.1405	442.9099	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	8,395	372.2709	439.6394	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.95 Call	3,000	361.0062	426.7773	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.00 Call	6,126	347.3816	411.1990	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	319.6458	378.8218	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.26 Call	2,500	285.3646	338.6484	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	245.3836	292.0925	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	65,000	238.1052	283.5897	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.57 Call	6,000	225.9006	269.3164	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.69 Call	750	206.4794	246.5518	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.00 Call	3,276	162.1701	196.2288	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.16 Call	225,000	143.0251	173.6716	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	11.00 Put	750	12.4872	9.3863	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	66	18.3222	13.6100	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	137,000	40.3559	27.2029	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	104,895	60.2462	43.0418	0.0000	0.0000	34	0.00
Jun 2018	ZAUS	12.40 Put	12,603	75.4775	55.5824	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	122.6307	95.8249	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	159.9820	128.6914	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	15,158	167.9542	135.7861	0.0000	0.0000	1,000	0.00
Jun 2018	ZAUS	13.05 Put	1,250	178.3220	145.0467	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	206.5934	169.1262	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.22 Put	15,000	219.2412	179.9535	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	2,050	240.5597	198.3568	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	287.3052	239.1205	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	293.5427	244.5860	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	346.6304	291.3721	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	104,895	386.4717	326.7515	0.0000	0.0000	34	0.00
Jun 2018	ZAUS	13.80 Put	500	405.5011	0.0000	0.0000	0.0000	500	0.00
Jun 2018	ZAUS	13.83 Put	300	417.9546	354.1587	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	422.1529	357.6836	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	447.8571	379.3059	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	6,130	492.6160	418.4530	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	539.7493	461.2832	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	614.8211	529.9599	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	688.6110	777.5355	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	651.7861	736.9203	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	552.4652	626.9173	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	543.3970	616.8453	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	464.2846	527.4316	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	440.1192	500.2270	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	313.8871	360.6088	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	278.0657	319.9542	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	273.5289	314.7936	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	261.8127	301.4621	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	257.5562	296.6166	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	239.9657	0.0000	0.0000	0.0000	1,000	0.00
Jun 2018	ZAUS	16.92 Call	104,895	207.4620	239.4203	0.0000	0.0000	34	0.00
Jun 2018	ZAUS	17.00 Call	3,500	198.7843	229.4841	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	177.8568	205.4846	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.28 Call	5,630	171.4368	198.1117	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	162.7126	188.0860	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.00 Put	750	19.3534	16.9663	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	5,300	120.3542	95.7961	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	12.65 Put	1,550	127.8074	102.1333	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	169.7722	138.2058	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	1484.5121	1627.7249	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.73 Put	2,500	436.5147	379.0736	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	538.2442	597.8081	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	522.6097	580.4527	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	501.1578	556.6213	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	17.02 Call	2,500	343.6879	383.2742	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	770.1192	0.0000	0.0000	0.0000	2,000	0.00
			<u>2,646,594</u>					<u>5,502.00</u>	<u>0.00</u>
		Total	<u>4,014,722</u>					<u>99,668.00</u>	<u>1,337,836,201.20</u>
									<u>40 090 156.00</u>
									<u>0.00</u>
									<u>198 667 065.00</u>
									<u>1 858 863 382 859.10</u>

Grand Total	<u>6,557,288</u>	<u>152,901.00</u>	<u>1 832 449 987.60</u>	<u>266,051,266</u>	<u>2,547,364,398,280.40</u>
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