



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 24-May-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jul 2018	DAEU	Future	34	14.7737	14.8721	0.0000	0.0000	0	0.00
			34					0.00	0.00
		Total	34					0.00	0.00
									790 974.00
									11 805 710 627.30
									1 737 761.00
									11 805 710 627.30
Future									
May 2018	DAUS	Future	20,000	12.4839	12.5704	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	30,000	12.4839	12.5756	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	270	12.4808	12.5773	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,746	12.4941	12.5884	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	12.5140	12.6114	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,981	12.5290	12.6277	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	12.5339	12.6327	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	12.5634	12.6629	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	12.5700	12.6696	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	12.5716	12.6713	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,345	12.5749	12.6745	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,515	12.5815	12.6810	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	12.6028	12.7020	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,479	12.6322	12.7310	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	12.6769	12.7757	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	12.7200	12.8187	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	12.7264	12.8250	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,113	12.7296	12.8282	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	12.7504	12.8489	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	2,812	12.7775	12.8759	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	1,580	12.8257	12.9241	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	12.8739	12.9722	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	12.8942	12.9925	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>
Feb 2019	DAUS	Future	1,225	12.9175	13.0158	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	12.9598	13.0577	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,225	13.0130	13.1106	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	13.7286	13.8251	0.0000	0.0000	0	0.00
			<u>172,744</u>					<u>0.00</u>	<u>0.00</u>
									<u>9 968 900.00</u>
									<u>121 053 976 297.90</u>

Option

May 2018	DAUS	12.37 Call	30,000	127.2045	214.0866	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	80,000	12.9510	58.2741	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	40,000	35.9200	80.9791	0.0000	0.0000	0	0.00
May 2018	DAUS	12.45 Call	40,000	106.2022	181.7934	0.0000	0.0000	0	0.00
May 2018	DAUS	12.46 Call	30,000	100.2492	174.7861	0.0000	0.0000	0	0.00
May 2018	DAUS	12.24 Put	118	30.0304	23.9457	0.0000	0.0000	0	0.00
May 2018	DAUS	12.55 Call	118	77.2705	135.5638	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Put	270	180.6222	132.1140	0.0000	0.0000	0	0.00
May 2018	DAUS	12.69 Call	270	39.9742	76.4355	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Call	118	29.7464	59.4841	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1319.5245	1223.6002	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.0631	0.0460	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	0.1999	0.1617	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	57.3351	91.5043	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.47 Put	158	206.1173	174.8745	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.62 Call	158	199.8573	256.5267	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1289.0361	1200.3072	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	0.9976	1.1572	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	1.1094	1.2095	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	23.4966	21.3268	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	226.4291	193.2116	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	81.8833	111.3414	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	71.7015	59.5347	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	38.3445	54.1433	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	30.0832	43.0833	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1895.4097	1803.1101	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	2.7663	3.3846	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1280.1180	1197.8899	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	3.6309	4.8204	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	2.2893	2.9018	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	206.8414	182.5006	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1333.8652	1252.3983	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	2.9580	3.9533	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	1278.0693	1203.4927	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	6.5743	9.3286	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	2.8547	4.1990	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Sep 2018	DAUS	13.80 Put	1,000	1278.7641	1209.5480	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	9.8023	18.7206	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	4.2579	10.4535	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	1279.8378	1216.5562	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	26.6613	35.5767	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	15.5380	22.6435	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	151.7276	144.3764	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	1329.7407	1265.8316	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	21.8760	30.6213	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	24.5500	23.7550	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	104.9236	101.2695	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	368.4169	421.2114	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	1281.4459	1222.9659	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	38.5685	48.7251	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	21.7433	28.9647	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	1163.1623	1109.3930	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	76.9618	91.0529	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	1283.7014	1229.0290	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	48.0162	59.5047	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	27.7366	35.2901	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	2,500	751.0661	725.9420	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	591.4768	653.4339	0.0000	0.0000	0	0.00
			<u>461,236</u>					0.00	0.00
			<u>633,980</u>					<u>0.00</u>	<u>0.00</u>
								28 690 315.00	121 053 976 297.90
Future									
Jun 2018	EUUS	Future	230	1.1739	1.1721	0.0000	0.0000	0	0.00
			<u>230</u>					0.00	0.00
			<u>230</u>					709 096.00	8 032 562 762.00
			<u>230</u>					<u>0.00</u>	<u>0.00</u>
								709 096.00	8 032 562 762.00
Future									
Sep 2018	JYZA	Future	283	8.5541	8.5483	0.0000	0.0000	0	0.00
			<u>283</u>					0.00	0.00
								18 783.00	186 145 988.86
Option									
Jun 2018	JYZA	8.79 Call	50,000	1059.0399	1039.3663	0.0000	0.0000	0	0.00
Jun 2018	JYZA	8.89 Put	1,200	2440.4886	2454.4394	0.0000	0.0000	0	0.00
Sep 2018	JYZA	8.17 Put	50,000	1822.0005	1819.7489	0.0000	0.0000	0	0.00
			<u>101,200</u>					0.00	0.00
			<u>101,483</u>					<u>0.00</u>	<u>0.00</u>
								194 583.00	186 145 988.86

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Jun 2018	ZAAD	Future	14,522	9.4647	9.5193	9.4650	9.4201	368	3,469,499.40
Sep 2018	ZAAD	Future	800	9.5828	9.6404	9.5381	9.5381	250	2,384,525.00
Dec 2018	ZAAD	Future	11,412	9.6976	9.7560	0.0000	0.0000	0	0.00
			<u>26,734</u>					<u>618.00</u>	<u>5,854,024.40</u>
		Total	26,734					618.00	5,854,024.40
									3 626 144.00
									31 411 775 708.10
Future									
Jun 2018	ZACA	Future	2,080	9.7048	9.7953	9.7282	9.6800	150	1,458,748.00
			<u>2,080</u>					<u>150.00</u>	<u>1,458,748.00</u>
		Total	2,080					150.00	1,458,748.00
									132 343.00
									1 300 163 420.10
Future									
Jun 2018	ZAEU	Future	111,873	14.6861	14.7774	14.7000	14.6200	16,747	245,158,386.30
Sep 2018	ZAEU	Future	60,676	14.9668	15.0653	14.9527	14.9150	1,316	19,652,210.80
Dec 2018	ZAEU	Future	7,625	15.2410	15.3414	0.0000	0.0000	0	0.00
Mar 2019	ZAEU	Future	4,686	15.5463	15.6490	0.0000	0.0000	0	0.00
Jun 2019	ZAEU	Future	5,256	15.8215	15.9252	0.0000	0.0000	0	0.00
			<u>190,116</u>					<u>18,063.00</u>	<u>264,810,597.10</u>
									14 578 628.00
									207 619 908 040.70
Option									
Jun 2018	ZAEU	13.50 Put	29,734	3.9838	4.2634	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	13.75 Put	50,948	6.5367	7.3901	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	13.97 Put	6,460	11.6365	12.5464	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	14.25 Put	29,734	49.0655	41.4038	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	14.30 Call	10,000	446.5703	528.5886	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	14.40 Call	10,000	374.6795	452.8682	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	15.00 Call	3,000	105.1298	147.4251	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	15.25 Put	50,948	622.0063	559.0668	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	15.63 Call	29,734	22.6829	36.6335	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	16.00 Call	3,000	8.8821	14.6891	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	16.44 Put	6,460	1757.3024	1667.8065	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	18.61 Call	6,460	0.2293	0.2318	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	20.55 Call	50,948	0.0039	0.0042	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	13.50 Put	29,734	22.8193	28.3056	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	14.25 Put	86,688	154.3668	147.5311	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	15.85 Put	86,824	1087.9680	1031.6297	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	16.76 Call	29,734	85.2190	108.6687	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	19.56 Call	86,824	8.2414	10.2280	0.0000	0.0000	0	0.00
			<u>607,230</u>					<u>0.00</u>	<u>0.00</u>
		Total	797,346					18,063.00	264,810,597.10
									22 498 402.00
									207 619 908 040.70

Future

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Jun 2018	ZAFR	Future	1,215	12.6476	12.7067	0.0000	0.0000	0	0.00		
			<u>1,215</u>					0.00	0.00	609 303.00	6 506 705 521.30
		Total	1,215					0.00	0.00	609 303.00	6 506 705 521.30
Future											
Jun 2018	ZAGB	Future	428,051	16.7429	16.8385	16.7459	16.6900	1,123	18,779,859.10		
Sep 2018	ZAGB	Future	18,594	17.0171	17.1194	17.0426	16.9269	757	12,858,784.90		
Dec 2018	ZAGB	Future	7,517	17.2799	17.3829	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	Future	4,932	17.5644	17.6693	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	5,465	17.8284	17.9355	0.0000	0.0000	0	0.00		
			<u>464,559</u>					1,880.00	31,638,644.00	10 799 430.00	180 886 893 414.20
		Total						1,880.00	31,638,644.00	12 573 543.00	180 886 893 414.20
Option											
Jun 2018	ZAGB	17.50 Put	500	815.5500	748.7173	0.0000	0.0000	0	0.00		
Jun 2018	ZAGB	20.40 Call	500	0.7461	1.0071	0.0000	0.0000	0	0.00		
			<u>1,000</u>					0.00	0.00	1 774 113.00	0.00
		Total	465,559					1,880.00	31,638,644.00	12 573 543.00	180 886 893 414.20
Future											
Jun 2018	ZAJY	Future	8,296	0.1148	0.1148	0.0000	0.0000	0	0.00		
			<u>8,296</u>					0.00	0.00	985 278.00	10 983 324 643.00
		Total	8,296					0.00	0.00	985 278.00	10 983 324 643.00
Future											
Jun 2018	ZAKS	Future	1,145	0.1234	0.1244	0.0000	0.0000	0	0.00		
Sep 2018	ZAKS	Future	562	0.1228	0.1242	0.0000	0.0000	0	0.00		
			<u>1,707</u>					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											
Jun 2018	ZATR	Future	3,940	2.5961	2.5683	0.0000	0.0000	0	0.00		
			<u>3,940</u>					0.00	0.00	258 929.00	923 231 285.50
		Total	3,940					0.00	0.00	258 929.00	923 231 285.50
Future											
Jun 2018	ZAUM	Future	419	12.5107	12.6076	0.0000	0.0000	0	0.00		
Sep 2018	ZAUM	Future	47	12.6593	12.7581	0.0000	0.0000	0	0.00		
Dec 2018	ZAUM	Future	10	12.7992	12.8976	0.0000	0.0000	0	0.00		
			<u>476</u>					0.00	0.00	150 787.00	173 735 224 700.00
		Total	476					0.00	0.00	155 310.00	173 735 224 700.00

<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	Future	1,158,505	12.5107	12.6076	12.5433	12.4405	101,816	1,270,432,857.80
Sep 2018	ZAUS	Future	85,619	12.6593	12.7581	12.6924	12.5850	3,288	41,468,342.40
Dec 2018	ZAUS	Future	25,527	12.7992	12.8976	12.8012	12.7300	1,544	19,677,432.10
Mar 2019	ZAUS	Future	4,948	12.9457	13.0438	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	Future	3,087	13.0824	13.1796	0.0000	0.0000	0	0.00
			<u>1,277,686</u>					<u>106,648.00</u>	<u>1,331,578,632.30</u>
									<u>173 556 746.00</u>
									<u>2 047 146 041 961.20</u>

Option

Jun 2018	ZAUS	11.00 Put	60,750	0.8000	0.7285	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.20 Put	2,550	1.6942	1.5181	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.35 Call	10,000	1163.3631	1260.2218	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.45 Call	10,000	1064.2029	1161.0860	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	40,216	4.0315	4.0285	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.60 Put	12,000	5.3792	5.4042	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.75 Put	60,000	8.4523	8.4941	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.77 Put	76,000	8.9936	9.0315	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.80 Put	5,500	9.8790	9.9061	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.90 Put	9,500	13.6068	13.5329	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Call	3,000	535.5721	628.5578	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	38,700	24.8721	20.9578	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.06 Put	150	34.3617	28.6440	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.12 Put	372	46.2536	38.2758	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.14 Put	155,500	50.7954	41.9610	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Call	500	413.8800	501.4969	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Put	1,000	53.1800	43.8969	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.20 Call	40,000	376.9706	462.1533	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.23 Call	3,000	355.7889	439.3591	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Call	40,000	342.0816	424.5165	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	12,415	81.3816	66.9165	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Call	4,000	309.2917	388.6843	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	98.5917	81.0843	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	15,103	139.4676	115.1226	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.45 Call	150	223.8433	292.6815	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Call	3,250	199.6412	264.6239	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	115,230	188.9412	157.0239	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.55 Call	80,000	178.1565	238.5425	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Call	4,000	110.8177	155.6470	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	350.1177	298.0470	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	515.0714	449.7198	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Call	15,500	59.4539	88.8144	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	21,228	548.7539	481.2144	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	591.6793	521.5711	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	697.6171	622.3536	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	13.20 Put	372	724.3835	648.3101	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	815.3134	736.2506	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	22.3365	38.6054	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	965.1786	881.4810	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	984.2110	900.0106	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	1003.2990	918.6112	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1138.2439	1050.5694	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1245.5477	1155.9933	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1294.8225	1204.3091	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1304.6890	1213.9979	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1324.4324	1233.3996	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1334.3093	1243.1120	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1393.6357	1301.5992	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	3.4265	7.1625	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1492.7265	1399.5625	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1592.0263	1497.9881	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1741.2599	1646.2692	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	1.1034	1.9840	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	0.7845	1.3105	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	0.6551	1.0465	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	0.4206	0.5539	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	0.4078	0.5421	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	0.3765	0.5135	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	0.3489	0.4881	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.3109	0.4528	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.2932	0.4364	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	0.2862	0.4298	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	0.2364	0.3835	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	0.1898	0.3410	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	0.1252	0.3247	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.1148	0.3154	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.0911	0.2564	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.0834	0.2371	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.0569	0.1684	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.0253	0.0815	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.0198	0.0655	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.0103	0.0366	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.0060	0.0226	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	39.8075	38.8104	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	42.1320	40.1275	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	55.3371	52.2145	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	80.6115	75.2931	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	11.85 Put	48,200	101.5292	94.3504	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	113.3042	105.0763	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	139.6317	129.0530	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	635.8146	715.3865	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	226.5146	207.2865	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	247.0359	226.1880	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	282.0491	258.5179	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.40 Put	250	291.2191	267.0007	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	498.8291	569.9001	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	34,000	339.5291	311.8001	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	381.0782	350.4689	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	397.3072	365.6063	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	419.4897	386.3250	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	380.9182	440.4562	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	369.7610	428.1546	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	542.5629	500.2511	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	303.0702	353.9982	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	248.3513	292.3038	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	236.3203	278.6228	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	827.0203	770.5228	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	224.8922	265.5890	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	184.1627	219.1872	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	158.7501	189.8105	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	10.4720	14.7761	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	9.3366	13.2519	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	7.9074	11.3193	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	6.1339	8.8941	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	114.2040	111.2478	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	354.6146	336.0983	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	150	710.8375	787.7064	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	10,100	411.6375	390.1064	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	478.5034	453.5760	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	496.4908	559.0438	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	430.3964	487.2528	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	415.3344	470.7981	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	2,764	282.6772	324.2774	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	255.2663	293.6927	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	1,500	246.8110	284.2307	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	1,000	122.1357	144.3466	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.95 Call	2,000	69.5776	82.4773	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	10.5710	10.2028	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	183.9043	180.5685	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>	<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>			
Mar 2019	ZAUS	12.06 Put	4,145	279.9703	272.8985	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.76 Put	250	596.5787	573.5904	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.45 Call	4,145	528.4863	587.6151	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.48 Call	1,000	301.6150	341.2450	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.20 Call	1,000	203.6550	233.1545	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	22.5086	20.2926	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	404.4798	397.4970	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	407.1092	453.2529	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	107.6289	124.3162	0.0000	0.0000	0	0.00		
			<u>2,225,024</u>					<u>0.00</u>	<u>0.00</u>	<u>48 307 254.00</u>	<u>0.00</u>
	Total		<u>3,502,710</u>					<u>106,648.00</u>	<u>1,331,578,632.30</u>	<u>221 864 000.00</u>	<u>2 047 146 041 961.20</u>

Grand Total	5,545,790	127,359.00	1 635 340 645.80	303,167,548	2,847,785,444,117.28
--------------------	------------------	-------------------	-------------------------	--------------------	-----------------------------
