



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 04-July-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jul 2018	DAEU	Future	34	16.0019	16.0179	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	33	16.0502	16.0642	0.0000	0.0000	0	0.00
			<u>67</u>					<u>0.00</u>	<u>0.00</u>
									<u>791 057.00</u>
									<u>11 807 017 135.60</u>
Option									
Jul 2018	DAEU	15.63 Put	10,000	52.4433	54.4992	0.0000	0.0000	0	0.00
			<u>10,000</u>					<u>0.00</u>	<u>0.00</u>
									<u>956 787.00</u>
									<u>0.00</u>
		Total	10,067					0.00	0.00
									1 747 844.00
									11 807 017 135.60
Future									
Jul 2018	DAUS	Future	150	13.7180	13.7173	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	142	13.7268	13.7295	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	34	13.7339	13.7363	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	13.7410	13.7431	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	13.7481	13.7499	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	13.7498	13.7516	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	920	13.7534	13.7549	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,867	13.7605	13.7617	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	55	13.7640	13.7651	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.7835	13.7840	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	5,470	13.7871	13.7875	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	600	13.7960	13.7961	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,547	13.8156	13.8151	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	197	13.8210	13.8202	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	4,280	13.8661	13.8620	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	13.8733	13.8687	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.9147	13.9104	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.9219	13.9179	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,608	13.9255	13.9217	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	13.9273	13.9236	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	13.9488	13.9462	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>
Nov 2018	DAUS	Future	700	13.9542	13.9518	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	3,363	13.9794	13.9781	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	2,078	14.0350	14.0365	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.0386	14.0402	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.0885	14.0893	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	14.0902	14.0910	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	14.1133	14.1135	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	4,725	14.1400	14.1393	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	14.1879	14.1859	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.1986	14.1963	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	14.2489	14.2466	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	14.3049	14.3030	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	54,000	14.3103	14.3084	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.3608	14.3594	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.4046	14.4033	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.4462	14.4449	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.4852	14.4840	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.5229	14.5217	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.5644	14.5633	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.6047	14.6036	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.6424	14.6414	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.6826	14.6817	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.7229	14.7220	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.7580	14.7571	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.8021	14.8014	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.9048	14.9050	0.0000	0.0000	0	0.00
			<u>181,520</u>					<u>0.00</u>	<u>0.00</u>
									<u>10 298 761.00</u>
									<u>125 323 288 377.60</u>
Option									
Jul 2018	DAUS	12.07 Put	2,000	0.0000	0.0001	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.25 Put	20,000	1.6293	4.7646	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	149.7514	164.7281	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Put	20,000	31.7514	47.4281	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	68.8535	86.4765	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.75 Put	20,000	93.0804	111.2425	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	743.6954	746.6381	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	1.0629	1.3811	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.50 Put	40,000	104.3261	112.1717	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.00 Put	500	21.8170	24.8302	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.50 Call	500	386.9949	395.5526	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	266.2962	274.1106	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	3.3342	3.9371	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	1.0774	1.3603	0.0000	0.0000	0	0.00

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Aug 2018	DAUS	12.32 Put	1,880	4.1700	3.8864	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	324.2230	331.7561	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	2.6859	3.2133	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	63.2610	66.7388	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	435.1861	442.1850	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	345.4965	353.2932	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	19.5024	20.5547	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	9.7557	10.2907	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	156.1274	162.3308	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	99.2309	104.1562	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	473.8837	479.1180	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	398.3782	407.8000	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	41.7361	43.6876	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	22.6429	24.0484	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	136.0865	140.5192	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	445.2677	453.8331	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	512.2652	517.7336	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	65.7749	68.6041	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	44.0210	46.3162	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	22.1286	22.5723	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	482.9883	491.6466	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	55.2306	57.5552	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	4.5236	4.5278	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	17.4835	17.5494	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	949.0375	951.6187	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	165.5374	169.5556	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	479.4124	486.6327	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	537.5158	544.3119	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	84.4902	88.0854	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	60.3284	62.9012	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	415.1161	421.2463	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	188.5013	194.3856	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	243.1056	247.1628	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	276.7900	281.0865	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	402.3213	410.3967	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	379.0375	387.0489	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	191.2038	194.5594	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	506.7997	512.6530	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	563.8053	572.1147	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	102.5459	106.9574	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	76.4686	79.9598	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	215.1024	218.8389	0.0000	0.0000	0	0.00

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Jan 2019	DAUS	14.38 Call	500	584.6456	592.5685	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	234.8296	239.0795	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	603.4850	610.6554	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.00 Put	500	253.6756	258.8922	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.67 Call	500	620.0347	627.3845	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	272.6019	277.8845	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	1205.4152	1210.0706	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	636.1197	643.3502	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	290.3141	295.6588	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	650.6409	658.0001	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	305.0507	310.2481	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	661.6304	669.0272	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	466.7746	473.3915	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	406.3866	412.6269	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	326.1020	331.4200	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	680.0424	687.8288	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	345.6979	350.3304	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	689.3683	697.1100	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	360.4596	365.5379	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	703.8202	711.5842	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	378.9332	384.0581	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	711.9962	719.8123	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	392.3644	397.8642	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	723.2010	731.0054	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	406.6352	412.4679	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	733.8405	741.5727	0.0000	0.0000	0	0.00		
			<u>429,527</u>					<u>0.00</u>	<u>0.00</u>	<u>19 223 832.00</u>	<u>0.00</u>
Total			611,047					0.00	0.00	29 522 593.00	125 323 288 377.60
Future											
Sep 2018	EUUS	Future	250	1.1706	1.1713	1.1746	1.1715	200	2,346,100.00		
			<u>250</u>					<u>200.00</u>	<u>2,346,100.00</u>	<u>729 264.00</u>	<u>8 268 218 562.00</u>
Total			250					200.00	2,346,100.00	729 264.00	8 268 218 562.00
Future											
Sep 2018	ZAAD	Future	12,355	10.2202	10.2152	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	11,412	10.3439	10.3405	10.3356	10.3356	5	51,678.00		
Jun 2019	ZAAD	Future	4,929	10.6101	10.6050	0.0000	0.0000	0	0.00		
			<u>28,696</u>					<u>5.00</u>	<u>51,678.00</u>	<u>3 683 498.00</u>	<u>31 988 420 099.30</u>
Total			28,696					5.00	51,678.00	3 715 875.00	31 988 420 099.30

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Dec 2018	ZACA	Future	500	10.6743	10.6668	0.0000	0.0000	0	0.00		
			500					0.00	0.00	136 153.00	1 339 439 627.10
		Total	500					0.00	0.00	136 153.00	1 339 439 627.10
Future											
Sep 2018	ZAEU	Future	136,970	16.2081	16.2149	16.2310	16.1625	2,755	44,632,475.60		
Dec 2018	ZAEU	Future	20,140	16.5081	16.5194	16.5417	16.4731	2,648	43,722,543.90		
Mar 2019	ZAEU	Future	4,808	16.8400	16.8481	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	17.1585	17.1658	0.0000	0.0000	0	0.00		
			167,174					5,403.00	88,355,019.50	15 032 996.00	214 690 881 033.50
Option											
Sep 2018	ZAEU	13.50 Put	29,734	4.8040	4.8490	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	86,688	10.2625	9.9422	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	266.4100	273.5611	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	254.9335	267.5187	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	11.5592	13.1343	0.0000	0.0000	0	0.00		
			319,804					0.00	0.00	7 964 516.00	0.00
		Total	486,978					5,403.00	88,355,019.50	22 997 512.00	214 690 881 033.50
Future											
Sep 2018	ZAFR	Future	1,215	14.0222	14.0295	14.0554	14.0094	35	490,772.50		
			1,215					35.00	490,772.50	612 983.00	6 556 453 973.30
		Total	1,215					35.00	490,772.50	612 983.00	6 556 453 973.30
Future											
Sep 2018	ZAGB	Future	226,726	18.3548	18.2930	18.3574	18.3108	3,930	72,070,497.00		
Dec 2018	ZAGB	Future	7,437	18.6386	18.5808	18.6444	18.6102	1,845	34,351,183.50		
Mar 2019	ZAGB	Future	4,932	18.9466	18.8859	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,543	19.2395	19.1785	0.0000	0.0000	0	0.00		
			245,638					5,775.00	106,421,680.50	11 907 167.00	200 457 137 171.50
		Total	245,638					5,775.00	106,421,680.50	13 681 280.00	200 457 137 171.50
Future											
Sep 2018	ZAJY	Future	115	0.1259	0.1258	0.0000	0.0000	0	0.00		
			115					0.00	0.00	993 919.00	11 089 418 491.40
		Total	115					0.00	0.00	993 919.00	11 089 418 491.40
Future											
Sep 2018	ZAKS	Future	562	0.1361	0.1357	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,093	0.1346	0.1328	0.0000	0.0000	0	0.00		
			1,655					0.00	0.00	35 358.00	476 333 960.00

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Total			1,655					0.00	0.00	35 358.00	476 333 960.00
Future											
Sep 2018	ZATR	Future	12,775	2.8716	2.8690	0.0000	0.0000	0	0.00		
			<u>12,775</u>					<u>0.00</u>	<u>0.00</u>	<u>292 754.00</u>	<u>1 018 368 407.50</u>
Total			12,775					0.00	0.00	292 754.00	1 018 368 407.50
Future											
Sep 2018	ZAUM	Future	355	13.8462	13.8437	13.8566	13.8153	55	76,121,650.00		
Dec 2018	ZAUM	Future	15	14.0045	14.0045	14.0187	13.9899	10	14,004,300.00		
			<u>370</u>					<u>65.00</u>	<u>90,125,950.00</u>	<u>151 971.00</u>	<u>175 315 337 040.00</u>
Total			370					65.00	90,125,950.00	156 494.00	175 315 337 040.00
Future											
Sep 2018	ZAUS	Future	551,142	13.8462	13.8437	13.8672	13.7603	97,688	1,350,894,834.50		
Dec 2018	ZAUS	Future	73,572	14.0045	14.0045	14.0132	13.9897	1,700	23,824,188.20		
Mar 2019	ZAUS	Future	5,932	14.1719	14.1704	14.1476	14.1476	250	3,536,900.00		
Jun 2019	ZAUS	Future	14,910	14.3302	14.3285	0.0000	0.0000	0	0.00		
			<u>645,556</u>					<u>99,638.00</u>	<u>1,378,255,922.70</u>	<u>178 312 447.00</u>	<u>2 110 747 531 219.40</u>
Option											
Sep 2018	ZAUS	11.48 Put	5,200	4.3557	4.5966	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.50 Put	45,000	4.4758	4.7326	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.60 Put	2,000	5.1323	5.4786	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.75 Put	93,314	6.3215	6.8404	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.85 Put	48,200	7.2800	7.9454	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.90 Put	3,000	7.8180	8.5681	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.00 Put	13,300	9.0304	9.9755	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.25 Call	500	1609.2771	1608.4011	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.25 Put	40,000	13.0771	14.7011	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.30 Put	100	14.1083	15.9085	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.38 Put	60,000	15.9513	18.0683	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.50 Call	4,600	1367.1874	1367.3485	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.50 Put	34,000	20.9874	23.6485	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.58 Put	8,000	27.0390	30.0748	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.61 Put	13,231	29.6357	32.8144	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.65 Put	1,550	33.3983	36.7676	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.77 Call	5,200	1123.1552	1124.5882	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.80 Call	50	1097.1236	1098.6927	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.85 Put	3,750	58.0975	62.3874	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.00 Call	30,000	930.3742	932.7670	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.00 Put	10,000	84.1742	89.0670	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.20 Call	4,000	777.7364	780.9222	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	13.20 Put	4,000	131.5364	137.2222	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	137.2932	143.1072	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	742.4359	745.9403	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	146.2359	152.2403	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	581.7273	586.6957	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	524.9419	530.4003	0.0000	0.0000	26,000	0.00
Sep 2018	ZAUS	13.60 Put	4,000	278.7419	286.7003	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	498.1479	503.8279	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	496.3419	505.3571	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	116.5056	120.9423	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	40.1653	42.1669	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	37.2353	39.1147	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	33.4416	35.1583	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	28.5146	30.0101	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	20.7828	20.5330	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	25.0291	24.8967	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	32.0476	32.1410	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	37.6348	37.9281	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	38.8488	39.1875	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	44.0538	44.5917	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	51.4029	52.2356	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	55.4589	56.4579	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	67.3163	68.8124	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1584.6198	1586.6645	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	80.1198	82.1645	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	97.4224	100.0736	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	106.3898	109.1820	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	119.9248	122.9170	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1182.7084	1186.4104	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	190,030	178.2084	181.9104	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	206.1404	210.1161	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1041.3461	1045.5843	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	243.3244	247.6147	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1007.7569	1012.1196	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	7,800	253.2569	257.6196	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	329.4575	334.5955	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	855.1756	860.5240	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	350.6756	356.0240	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	443.0547	449.2201	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	447.9849	454.1884	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	707.8087	714.2730	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	483.3087	489.7730	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	13.79 Put	10,000	488.4702	494.9745	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	698.1565	704.7006	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	629.3741	636.4358	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	16,000	607.8199	615.0380	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	556.1084	563.5454	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	484.7887	492.4579	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	468.4198	476.1326	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	449.5098	457.2670	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	402.7945	410.6177	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	400.0469	407.8697	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	397.3151	405.1445	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	376.1670	384.0018	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	363.6932	371.4587	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	342.3444	349.9791	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	31,600	307.6720	315.0499	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	305.6365	312.9979	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	289.8775	297.0978	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	278.6503	285.7666	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	224.0925	230.5839	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	1,000	221.0184	227.4672	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	192.6196	198.6631	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	15,000	157.1346	162.5791	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	6.0719	5.6421	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	35.2716	33.7673	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	63.6518	62.8888	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	121.9809	123.5993	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	1123.2706	1128.2303	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	405.6415	412.1398	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	540.3622	547.8347	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	596.7935	604.5945	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	721.6979	729.0086	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	656.8080	664.3518	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	512.5072	520.3236	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	402.0784	409.6653	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	384.9657	392.4872	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	11.3053	9.9795	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	103.5158	102.3669	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	219.4087	222.4356	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	291.7389	296.9345	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	377.6321	383.7117	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	629.9709	637.7342	0.0000	0.0000	50,000	0.00
Jun 2019	ZAUS	13.88 Put	12,450	655.7762	663.6329	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	14.58 Call	1,000	816.7106	823.7938	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.82 Call	30,000	736.1996	743.4723	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.55 Call	25,000	542.8831	550.1373	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.62 Call	12,450	527.7844	535.0068	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.80 Call	1,000	491.2345	498.3587	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.92 Call	911	467.1747	474.1171	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	10.75 Put	1,000	19.8961	20.2733	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	12.50 Put	1,000	187.1625	195.2767	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	15.87 Call	1,000	637.2785	644.9677	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	262.1554	266.4370	0.0000	0.0000	0	0.00	
			<u>2,586,161</u>					<u>76,000.00</u>	<u>0.00</u>	<u>50 771 410.00</u>
		Total	3,231,717					175,638.00	1,378,255,922.70	229 083 857.00
										2 110 747 531 219.40

Grand Total	4,631,023							187,121.00	1 666 047 123.20	312,540,476	2,945,042,662,025.82
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