



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 25-July-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	347.8033	383.4539	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>25 000.00</u>	<u>7 830 750.00</u>
		Total	25,000					0.00	0.00	25 000.00	7 830 750.00
Future											
Jul 2018	DAEU	Future	33	15.4507	15.5917	0.0000	0.0000	0	0.00		
Sep 2018	DAEU	Future	34	15.5694	15.7122	0.0000	0.0000	0	0.00		
			<u>67</u>					<u>0.00</u>	<u>0.00</u>	<u>801 227.00</u>	<u>11 964 244 481.80</u>
		Total	67					0.00	0.00	1 758 014.00	11 964 244 481.80
Future											
Sep 2018	DAGB	Future	14	17.5655	17.6500	0.0000	0.0000	14	246,911.00		
			<u>14</u>					<u>14.00</u>	<u>246,911.00</u>	<u>53 769.00</u>	<u>882 198 966.30</u>
		Total	14					14.00	246,911.00	261 082.00	882 198 966.30
Future											
Jul 2018	DAUS	Future	0	13.1915	13.3072	0.0000	0.0000	20,570	271,350,975.00		
Jul 2018	DAUS	Future	1,204	13.2227	13.3072	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,762	13.2280	13.3143	0.0000	0.0000	1,500	19,887,600.00		
Aug 2018	DAUS	Future	55	13.2315	13.3179	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	420	13.2385	13.2621	0.0000	0.0000	420	5,570,082.00		
Aug 2018	DAUS	Future	70	13.2504	13.3369	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	4,144	13.2539	13.3404	0.0000	0.0000	50	661,750.00		
Aug 2018	DAUS	Future	600	13.2624	13.3491	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	3,299	13.2813	13.3682	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	13.2865	13.3734	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	5,532	13.3294	13.4412	0.0000	0.0000	1,500	20,044,350.00		
Oct 2018	DAUS	Future	55	13.3363	13.4968	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	13.3755	13.8160	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	13.3823	13.8234	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Oct 2018	DAUS	Future	3,608	13.3857	13.8190	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	13.3874	13.8168	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	13.4078	13.7907	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	700	13.4129	13.7842	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	3,363	13.4367	13.7537	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,078	13.4893	13.6862	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.4927	13.6818	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.5403	13.6287	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.5419	13.6304	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.5637	13.6528	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	13.5888	13.6786	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.6341	13.7251	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.6441	13.7355	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	13.6911	13.7837	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	13.7438	13.8369	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	29,000	13.7489	13.8421	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	13.7966	13.8902	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	13.8498	13.9445	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	13.9083	14.0049	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	13.9633	14.0614	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.0163	14.1162	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.0749	14.1765	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.1316	14.2350	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.1847	14.2897	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.2415	14.3482	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.2982	14.4067	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.3476	14.4576	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.4098	14.5217	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.5127	14.6277	0.0000	0.0000	0	0.00		
			<u>154,101</u>					<u>24,040.00</u>	<u>317,514,757.00</u>	<u>10 463 701.00</u>	<u>127 547 931 601.30</u>
Option											
Jul 2018	DAUS	13.40 Put	20,000	197.5377	138.3679	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.00 Put	500	31.4965	23.2402	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.50 Call	500	26.6431	47.3453	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	577.5386	495.6223	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	0.0137	0.0122	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	0.0608	0.0403	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	1.6895	1.6570	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	635.4454	560.2991	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	0.0658	0.0802	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.43 Put	106	300.3777	248.2992	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.55 Call	106	91.5680	118.9250	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>
Aug 2018	DAUS	13.21 Put	50,000	196.1256	0.0000	0.0000	0.0000	50,000	0.00
Aug 2018	DAUS	13.00 Put	500	129.0728	105.2969	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	131.2022	158.0763	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	618.1125	552.3871	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	1.0125	1.1471	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	1.0466	1.1384	0.0000	0.0000	0	0.00
Sep 2018	DAUS	12.90 Put	100	111.0216	0.0000	0.0000	0.0000	100	0.00
Sep 2018	DAUS	13.09 Put	600	179.4296	0.0000	0.0000	0.0000	600	0.00
Sep 2018	DAUS	13.32 Call	600	264.8091	0.0000	0.0000	0.0000	600	0.00
Sep 2018	DAUS	13.45 Call	100	215.0480	0.0000	0.0000	0.0000	100	0.00
Sep 2018	DAUS	13.80 Call	100	120.5080	0.0000	0.0000	0.0000	100	0.00
Sep 2018	DAUS	13.90 Call	600	101.8666	0.0000	0.0000	0.0000	600	0.00
Sep 2018	DAUS	13.30 Put	747	292.2689	252.9551	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	184.7125	151.0479	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	187.1632	223.4611	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	652.8633	576.5529	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	5.9485	7.6590	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	3.2866	3.9890	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.51 Call	5,000	312.6256	453.3519	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	310.1181	169.3331	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	199.6554	343.6478	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	235.9514	117.9709	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	688.8133	443.9266	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	239.9077	410.7671	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	14.9214	36.9359	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	6.2384	18.4115	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	25.3481	13.4474	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	736.1486	494.9574	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	9.7864	26.4389	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	5.4087	2.3409	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	20.8050	11.4078	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	546.8988	782.9174	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	270.6131	175.9996	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	715.2553	538.0281	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	275.2510	391.6949	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	30.2097	46.1966	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	19.4212	27.6540	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	623.7140	483.2768	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	79.2473	113.0992	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	380.7780	292.7610	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	430.3830	335.5812	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	204.1069	264.3244	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	14.75 Call	1,000	190.5029	247.0887	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.00 Put	500	298.3696	235.5455	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	735.5358	625.7587	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.22 Call	500	307.2205	374.9914	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	45.3813	56.1174	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	32.3011	39.9580	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	12.66 Put	263	196.0222	168.1105	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.00 Put	500	325.5614	295.7214	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.38 Call	500	333.8432	360.8863	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	347.7521	316.7372	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	358.7721	385.1797	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.00 Put	500	368.3804	337.7195	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.67 Call	500	381.4946	407.1031	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	387.5361	358.1821	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	826.9849	876.9233	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	402.1768	427.8745	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	407.0581	377.2488	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	421.3612	446.1709	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	422.8560	392.8078	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	436.0857	460.0474	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	636.6226	594.7155	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	251.9572	267.2408	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	440.4187	410.1087	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	455.5194	480.6145	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	457.3834	426.6798	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	473.0107	498.5194	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	472.5647	441.5064	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	494.3891	520.6652	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	486.9349	455.6831	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	510.6749	537.1582	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	499.1671	467.5762	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	528.8501	555.5864	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	511.0606	478.6264	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	547.1407	574.3027	0.0000	0.0000	0	0.00		
			<u>403,362</u>					<u>52,100.00</u>	<u>0.00</u>	<u>19 384 667.00</u>	<u>0.00</u>
		Total	557,463					76,140.00	317,514,757.00	29 848 368.00	127 547 931 601.30
Future											
Sep 2018	EUUS	Future	180	1.1721	1.1751	0.0000	0.0000	0	0.00		
			<u>180</u>					<u>0.00</u>	<u>0.00</u>	<u>729 464.00</u>	<u>8 270 574 212.00</u>
		Total	180					0.00	0.00	729 464.00	8 270 574 212.00

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Future											
Sep 2018	GBUS	Future	8	1.3172	1.3175	0.0000	0.0000	0	0.00		
			8					0.00	0.00	167 347.00	2 152 897 346.00
		Total	8					0.00	0.00	167 347.00	2 152 897 346.00
Future											
Sep 2018	ZAAD	Future	12,322	9.8588	9.9495	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	11,417	9.9756	10.1966	9.9850	9.9850	2	19,970.00		
Jun 2019	ZAAD	Future	4,929	10.2254	10.3211	0.0000	0.0000	0	0.00		
			28,668					2.00	19,970.00	3 685 079.00	32 004 466 141.90
		Total	28,668					2.00	19,970.00	3 717 456.00	32 004 466 141.90
Future											
Dec 2018	ZACA	Future	595	10.2817	10.4643	10.2791	10.2785	250	2,569,770.00		
			595					250.00	2,569,770.00	136 818.00	1 346 285 406.10
		Total	595					250.00	2,569,770.00	136 818.00	1 346 285 406.10
Future											
Sep 2018	ZADK	Future	245	2.0967	2.1153	0.0000	0.0000	0	0.00		
Dec 2018	ZADK	Future	15	2.1360	2.1829	0.0000	0.0000	0	0.00		
			260					0.00	0.00	11 835.00	254 651 919.00
		Total	260					0.00	0.00	11 835.00	254 651 919.00
Future											
Sep 2018	ZAEU	Future	133,586	15.6008	15.7440	15.6530	15.5900	323	5,045,071.70		
Dec 2018	ZAEU	Future	28,602	15.8858	16.2378	15.8900	15.8785	450	7,146,360.00		
Mar 2019	ZAEU	Future	4,808	16.2035	16.3542	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	16.5083	16.6641	0.0000	0.0000	0	0.00		
			172,252					773.00	12,191,431.70	15 083 144.00	215 490 135 264.10
Option											
Sep 2018	ZAEU	13.50 Put	29,734	3.4836	3.0123	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	57,090	15.3130	11.3840	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	490.3864	402.8494	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	66.0644	84.7252	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	3.0417	3.0307	0.0000	0.0000	0	0.00		
			290,206					0.00	0.00	8 023 712.00	0.00
		Total	462,458					773.00	12,191,431.70	23 106 856.00	215 490 135 264.10
Future											
Sep 2018	ZAFR	Future	1,575	13.4552	13.5455	0.0000	0.0000	0	0.00		
Dec 2018	ZAFR	Future	400	13.7134	13.9831	0.0000	0.0000	0	0.00		

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Jun 2019	ZAFR	Future	150	14.2810	14.3801	0.0000	0.0000	0	0.00		
			2,125					0.00	0.00	614 653.00	6 579 733 890.30
		Total	2,125					0.00	0.00	614 653.00	6 579 733 890.30
Future											
Sep 2018	ZAGB	Future	226,619	17.5328	17.6522	17.5629	17.5000	82	1,443,102.90		
Dec 2018	ZAGB	Future	9,975	17.7996	18.1514	17.8650	17.7550	95	1,690,575.00		
Mar 2019	ZAGB	Future	4,932	18.0919	18.2173	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,156	18.3687	18.4987	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	895	18.6798	18.8200	0.0000	0.0000	895	16,730,682.50		
			248,577					1,072.00	19,864,360.40	11 924 879.00	200 779 304 144.70
		Total	248,577					1,072.00	19,864,360.40	13 698 992.00	200 779 304 144.70
Future											
Sep 2018	ZAJY	Future	115	0.1203	0.1210	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	0.1314	0.1321	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,093	0.1274	0.1290	0.0000	0.0000	0	0.00		
			1,655					0.00	0.00	35 358.00	476 333 960.00
		Total	1,655					0.00	0.00	35 358.00	476 333 960.00
Future											
Sep 2018	ZATR	Future	1,500	2.6935	2.6777	0.0000	0.0000	12,775	34,184,622.50		
			1,500					12,775.00	34,184,622.50	305 729.00	1 053 112 090.00
		Total	1,500					12,775.00	34,184,622.50	305 729.00	1 053 112 090.00
Future											
Sep 2018	ZAUM	Future	350	13.3105	13.3978	13.2809	13.2809	5	6,640,450.00		
Dec 2018	ZAUM	Future	15	13.4605	13.7232	0.0000	0.0000	0	0.00		
Mar 2019	ZAUM	Future	5	13.6190	13.7096	0.0000	0.0000	0	0.00		
			370					5.00	6,640,450.00	152 046.00	175 417 588 620.00
		Total	370					5.00	6,640,450.00	156 569.00	175 417 588 620.00
Future											
Sep 2018	ZAUS	Future	465,952	13.3105	13.3978	13.3500	13.2310	74,430	990,375,947.00		
Dec 2018	ZAUS	Future	66,738	13.4605	13.7232	13.4800	13.4129	14,750	198,111,316.30		
Mar 2019	ZAUS	Future	5,900	13.6190	13.7096	13.5714	13.5714	37	502,141.80		
Jun 2019	ZAUS	Future	15,910	13.7677	13.8610	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>	
		554,500					89,217.00	1,188,989,405.10	
								179 202 723.00	
								2 122 796 916 397.30	
Option									
Sep 2018	ZAUS	11.48 Put	5,200	2.5362	2.5430	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	2.6326	2.6366	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	3.1793	3.1649	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	4.2487	4.1880	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	5.1805	5.0698	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	5.7295	5.5859	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	7.7186	6.8010	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	1079.6505	1163.4420	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	19.1505	15.6420	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	22.6482	18.5722	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	29.3449	24.2134	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	852.8808	933.0855	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	44,000	42.3808	35.2855	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	53.4204	44.7355	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	58.1052	48.7638	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	64.8589	54.5796	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	632.2443	703.5579	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	610.0298	680.2404	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Put	500	99.5298	82.4404	0.0000	0.0000	500	0.00
Sep 2018	ZAUS	12.85 Put	750	113.4984	94.4942	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	473.6817	535.7143	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	72,000	163.1817	137.9143	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.10 Put	2,500	203.0146	173.2428	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	358.7980	411.6674	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	248.2980	213.8674	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	258.0070	222.6349	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	333.4725	383.9851	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	272.9725	236.1851	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	500	309.4867	357.6363	0.0000	0.0000	500	0.00
Sep 2018	ZAUS	13.50 Call	2,000	232.2078	268.3477	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	200.5394	232.6051	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	490.0394	434.8051	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	186.2603	216.4101	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	110.2821	129.5342	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	799.7821	731.7342	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	81.1085	0.0000	0.0000	0.0000	500	0.00
Sep 2018	ZAUS	14.70 Call	63,000	37.2345	45.2401	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	20.9793	26.3845	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	2.9974	3.8387	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	2.9141	3.3222	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	16.14 Call	750	2.8080	2.8864	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	2.6733	2.7298	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	28.1872	19.1571	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	33.6455	23.2896	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	42.6759	30.2225	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	49.8865	35.8224	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	51.4557	37.0480	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	58.2154	42.3350	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	72.0072	49.8805	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	79.7614	54.0824	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	102.8178	67.5216	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1088.5899	1309.1671	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	128.0899	85.9671	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	160.1401	109.8909	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	173.8263	120.2625	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	194.2992	135.9342	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	745.6270	926.7493	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	175,030	285.1270	203.5493	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	328.0067	238.6272	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	634.8460	800.3415	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	384.0252	285.2573	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	609.2947	770.8882	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	27,800	398.7947	297.6882	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	504.8956	388.3591	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	494.7667	636.3114	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	534.2667	413.1114	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	659.2848	520.1569	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	665.8382	525.9772	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	392.9711	510.7560	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	712.4711	567.5560	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	719.2403	573.6155	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	386.5357	502.9042	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	341.4922	447.6325	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	16,130	327.6849	430.5756	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	294.4165	389.2154	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	250.0622	333.3695	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	240.1216	320.7603	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	228.7504	306.1611	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	201.1829	270.3882	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	199.5829	268.3037	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	197.9995	266.2393	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	185.8154	250.3069	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.75 Call	127,100	178.6246	240.8743	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	14.84 Call	1,000	166.0793	224.8509	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.00 Call	20,100	145.3007	199.1706	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.01 Call	10,000	144.0976	197.6759	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.09 Call	500	134.8389	185.7850	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.15 Call	27,030	128.3127	177.1022	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.48 Call	29,600	98.0038	136.4266	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	15.70 Call	11,380	82.1931	114.9512	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	10.33 Put	1,000	6.2716	6.3264	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	11.74 Put	1,000	60.1273	54.5096	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.06 Put	4,145	102.0705	92.0990	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.47 Put	721	186.4946	167.9452	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.45 Call	4,145	747.1329	796.0070	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.46 Put	20,000	583.5679	541.6251	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.75 Put	17,981	753.2184	704.2276	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.86 Put	721	823.1699	771.9097	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.30 Call	500	446.7821	477.9518	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.48 Call	1,000	402.4054	430.1527	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.96 Call	17,981	306.6422	328.1187	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.45 Call	20,000	228.8432	246.6457	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.54 Call	721	217.0616	234.0616	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	9.9378	9.9681	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	185.3416	165.9646	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.75 Put	1,000	323.5981	297.9541	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.98 Put	911	406.8882	377.2922	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.24 Put	30,000	521.9155	484.1311	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	845.3462	796.1724	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	12,450	876.1863	826.0576	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	542.7303	573.7717	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	485.0792	512.7862	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	344.5613	365.7820	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	12,450	333.3746	353.9985	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	306.4755	325.6551	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	289.9378	308.2194	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	17.5035	17.2465	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	289.7810	260.4295	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	437.9650	461.7626	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	158.7317	169.9232	0.0000	0.0000	0	0.00		
			<u>2,737,291</u>					<u>1,500.00</u>	<u>0.00</u>	<u>51 241 032.00</u>	<u>0.00</u>
	Total		3,291,791					90,717.00	1,188,989,405.10	230 443 755.00	2 122 796 916 397.30

<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>
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Grand Total		4,620,846					181,748.00	1 582 221 677.70	314,613,493	2,960,799,212,318.52
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