



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 08-November-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Nov 2018	DAEU	Future	37	16.0737	16.0917	0.0000	0.0000	0	0.00		
			37					0.00	0.00	801 399.00	11 967 156 360.40
Option											
Aug 2019	DAEU	17.01 Put	31,200	1014.0441	1013.1048	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	374.0818	386.8184	0.0000	0.0000	0	0.00		
			93,600					0.00	0.00	1 390 587.00	0.00
		Total	93,637					0.00	0.00	2 191 986.00	11 967 156 360.40
Future											
Nov 2018	DAGB	Future	13	18.4006	18.4215	0.0000	0.0000	0	0.00		
			13					0.00	0.00	53 954.00	889 067 608.60
		Total	13					0.00	0.00	261 267.00	889 067 608.60
Future											
Nov 2018	DAUS	Future	70	14.0135	13.9759	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	24	14.0107	13.9777	0.0000	0.0000	24	335,616.00		
Nov 2018	DAUS	Future	308	14.0124	13.9785	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	179	14.0225	13.9871	0.0000	0.0000	179	2,507,843.70		
Nov 2018	DAUS	Future	368	14.0329	13.9988	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.0346	14.0007	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	2,727	14.0364	14.0027	0.0000	0.0000	279	3,915,556.00		
Dec 2018	DAUS	Future	500	14.0485	14.0163	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,672	14.0572	14.0256	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,420	14.0900	14.0581	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.0934	14.0615	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	150	14.1159	14.0839	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.1422	14.1101	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	2,093	14.1439	14.1118	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.1667	14.1345	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	5,841	14.1930	14.1606	0.0000	0.0000	0	0.00		

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Mar 2019	DAUS	Future	3,731	14.2405	14.2076	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,029	14.2440	14.2111	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.2510	14.2180	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.3003	14.2667	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.3544	14.3205	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.4084	14.3742	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.4623	14.4279	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.5185	14.4838	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.5715	14.5364	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.6226	14.5872	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.6824	14.6465	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.7426	14.7058	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.7989	14.7613	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.8591	14.8206	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.9193	14.8798	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.9717	14.9315	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.0377	14.9965	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.1464	15.1036	0.0000	0.0000	0	0.00		
			<u>113,803</u>					<u>482.00</u>	<u>6,759,015.70</u>	<u>10 792 208.00</u>	<u>132 271 534 986.10</u>

Option

Nov 2018	DAUS	14.40 Put	20,000	390.7304	435.7794	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.34 Put	171	364.6445	399.7981	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.50 Call	171	16.5448	18.7935	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.0000	0.0132	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	0.0354	0.0424	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	797.3287	763.6122	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.32 Call	15,000	46.2303	47.4089	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	7.7043	9.1475	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	7.2196	8.6009	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.78 Call	30,000	6.3530	7.6173	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	4.5358	5.5203	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	882.1358	917.0203	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.67 Put	20,000	61.6422	73.3580	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.76 Call	4,000	45.2472	44.1835	0.0000	0.0000	4,000	0.00
Nov 2018	DAUS	13.00 Put	500	11.6461	13.3325	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	132.3345	150.3042	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	151.6596	170.7466	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	219.5987	211.0119	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	371.1914	399.3667	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	142.5085	137.7176	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.80 Call	600	49.1331	48.2016	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	46.8645	46.0552	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	16.70 Call	500	0.9625	0.9934	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	0.8547	0.9736	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1422.7570	1455.9424	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	65,000	138.7790	154.6562	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	198.2408	216.8837	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	428.4810	455.2067	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	911.4457	943.0122	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	1279.8491	1312.6461	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	125	143.3541	159.1155	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.07 Call	125	265.9756	255.9075	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.50 Call	125	128.2402	124.3312	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	122.6055	135.1256	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	198.9767	215.6824	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	54.3318	53.2344	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	17.9509	17.9454	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	245.2583	262.9176	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	471.1430	494.9082	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	932.0288	961.2760	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	1286.2026	1317.0575	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	49.7183	54.8641	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	64.6032	72.0000	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	150.0174	145.8744	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	132.1415	128.7042	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	34.9200	42.4819	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	229.1202	245.1661	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	313.9331	304.5356	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	462.7441	485.6429	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	994.4421	1023.7707	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	8.4796	9.2279	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	4.6682	5.0427	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.64 Put	250	184.5314	199.1686	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.12 Call	250	382.0992	370.9760	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.65 Call	250	208.0034	202.8883	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	25.8211	31.3281	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.88 Call	4,000	231.4648	230.1566	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	74.2996	83.2014	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	500.2191	525.6591	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	530.2405	556.2223	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	375.9637	371.1312	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	185.6867	185.3331	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	135.4675	135.8632	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	106.6249	116.0815	0.0000	0.0000	0	0.00

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Feb 2019	DAUS	14.20 Put	250	552.3816	577.9720	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	581.7956	607.8643	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	425.5986	421.5170	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	237.9824	237.6853	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	181.2955	181.3585	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	489.0157	510.8556	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	137.9717	148.1035	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	599.7936	623.4816	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	628.2292	652.8632	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	469.3752	464.3710	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	283.8805	282.8460	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	224.8202	223.7562	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.04 Call	4,000	440.8515	436.8516	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	169.0068	179.7563	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1122.0603	1103.7186	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	641.3879	664.0267	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	669.5857	692.7083	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	507.0045	501.3251	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	325.6839	323.3827	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	266.1927	264.7112	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	195.6957	206.7198	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	676.9723	700.0201	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	705.1101	728.5630	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	539.9398	534.8074	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	363.1679	360.9764	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	301.0910	299.6483	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	1013.5833	1040.6263	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	207.7296	208.1987	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	217.8901	229.5710	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	705.1271	728.1906	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	733.2402	756.7267	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	566.1884	561.7689	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	392.1218	390.4811	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	331.0389	329.8712	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	361.5409	377.6648	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	322.3947	321.3594	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	242.3411	253.7439	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	734.2868	756.7108	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	762.3348	785.1379	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	599.3082	594.4064	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	426.8715	424.3056	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	366.6877	364.5308	0.0000	0.0000	0	0.00

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Aug 2019	DAUS	14.48 Put	3,147	907.4829	932.4382	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,147	415.5751	412.9968	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	261.6879	273.0731	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	758.7686	781.6215	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	786.7227	809.9308	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	621.9094	617.5090	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	452.6040	450.0143	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	392.6023	390.3223	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	206.0069	203.8527	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	277.6954	290.3883	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	780.5065	803.6623	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	808.3177	831.8208	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	649.2436	645.1664	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	481.4246	478.7612	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	419.5712	417.1392	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	294.4746	306.8302	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	801.4698	825.1036	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	829.1686	853.1331	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	669.5756	665.8473	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	505.2868	502.5093	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	445.2849	442.6380	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	306.8404	321.5456	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	820.6195	845.8352	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	848.2418	873.8184	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	696.3790	693.8932	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	533.1825	531.7124	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	473.8556	472.7711	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	323.9968	337.7944	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	840.7768	866.6244	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	868.3203	894.5412	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	725.7838	724.2384	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	566.1993	565.9589	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	507.7269	507.9572	0.0000	0.0000	0	0.00		
			<u>936,324</u>					<u>4,000.00</u>	<u>0.00</u>	<u>21 793 541.00</u>	<u>0.00</u>
Total			1,050,127					4,482.00	6,759,015.70	32 585 749.00	132 271 534 986.10
Future											
Dec 2018	EUUS	Future	50	1.1465	1.1510	1.1468	1.1468	250	2,867,000.00		
			<u>50</u>					<u>250.00</u>	<u>2,867,000.00</u>	<u>744 705.00</u>	<u>8 448 109 050.00</u>
Total			50					250.00	2,867,000.00	744 705.00	8 448 109 050.00

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Dec 2018	GBUS	Future	150	1.3118	1.3167	0.0000	0.0000	0	0.00		
			150					0.00	0.00	169 801.00	2 184 995 104.00
		Total	150					0.00	0.00	169 801.00	2 184 995 104.00
Future											
Dec 2018	ZAAD	Future	23,978	10.2587	10.2313	10.2734	10.2734	52	534,216.80		
Mar 2019	ZAAD	Future	420	10.3927	10.3647	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,932	10.5233	10.4940	10.4786	10.4786	5	52,393.00		
			29,330					57.00	586,609.80	3 765 395.00	32 857 054 557.20
		Total	29,330					57.00	586,609.80	3 797 772.00	32 857 054 557.20
Future											
Dec 2018	ZACA	Future	500	10.7420	10.7360	0.0000	0.0000	0	0.00		
Mar 2019	ZACA	Future	400	10.8882	10.8804	0.0000	0.0000	0	0.00		
			900					0.00	0.00	139 153.00	1 371 857 786.60
		Total	900					0.00	0.00	139 153.00	1 371 857 786.60
Future											
Dec 2018	ZADK	Future	240	2.1650	2.1675	0.0000	0.0000	0	0.00		
			240					0.00	0.00	12 335.00	265 809 909.00
		Total	240					0.00	0.00	12 335.00	265 809 909.00
Future											
Dec 2018	ZAEU	Future	135,997	16.1208	16.1470	16.1200	16.0600	3,041	48,874,087.30		
Mar 2019	ZAEU	Future	36,636	16.4563	16.4799	0.0000	0.0000	454	7,483,383.80		
Jun 2019	ZAEU	Future	4,906	16.7690	16.7919	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	Future	8,262	17.1144	17.1379	0.0000	0.0000	0	0.00		
			185,801					3,495.00	56,357,471.10	15 659 033.00	225 321 158 373.70
		Total						3,495.00	56,357,471.10	15 659 033.00	225 321 158 373.70
Option											
Mar 2019	ZAEU	15.60 Put	462	255.8308	257.6626	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	16.00 Call	650	866.4067	890.0109	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	17.33 Put	462	1234.7963	1227.7560	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	19.65 Call	462	82.8542	87.6148	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	55,000	632.4327	650.9495	0.0000	0.0000	0	0.00		
			57,036					0.00	0.00	10 904 964.00	0.00
		Total	242,837					3,495.00	56,357,471.10	26 563 997.00	225 321 158 373.70
Future											
Dec 2018	ZAFR	Future	1,616	14.0653	14.1058	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	14.6609	14.7010	0.0000	0.0000	0	0.00		
			1,766					0.00	0.00	620 908.00	6 672 647 028.20

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Total			1,766					0.00	0.00	620 908.00	6 672 647 028.20
Future											
Dec 2018	ZAGB	Future	455,771	18.4449	18.4724	18.4900	18.4200	813	15,001,205.00		
Mar 2019	ZAGB	Future	11,147	18.7563	18.7816	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	5,506	19.0434	19.0687	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	10,363	19.3551	19.3824	0.0000	0.0000	0	0.00		
			482,787					813.00	15,001,205.00	12 880 581.00	219 257 030 115.20
Option											
Dec 2018	ZAGB	19.30 Call	200	118.9294	129.4056	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	18.00 Put	500	391.8953	390.2150	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	19.19 Put	1,000	985.7160	981.3021	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.00 Call	500	324.4718	341.4660	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	20.18 Call	1,500	288.4390	304.3434	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	124.3199	133.6704	0.0000	0.0000	0	0.00		
			4,200					0.00	0.00	1 779 113.00	0.00
Total			486,987					813.00	15,001,205.00	14 659 694.00	219 257 030 115.20
Future											
Dec 2018	ZAJY	Future	6,905	0.1240	0.1242	0.0000	0.0000	0	0.00		
			6,905					0.00	0.00	1 021 902.00	11 470 576 312.50
Total			6,905					0.00	0.00	1 021 902.00	11 470 576 312.50
Future											
Jun 2019	ZAKS	Future	2,166	0.1360	0.1363	0.0000	0.0000	0	0.00		
			2,166					0.00	0.00	38 066.00	515 662 000.00
Total			2,166					0.00	0.00	38 066.00	515 662 000.00
Future											
Dec 2018	ZAUM	Future	396	14.0607	14.0290	14.0347	14.0347	5	7,017,350.00		
Mar 2019	ZAUM	Future	5	14.2247	14.1919	0.0000	0.0000	0	0.00		
			401					5.00	7,017,350.00	153 633.00	177 750 500 360.00
Total			401					5.00	7,017,350.00	158 156.00	177 750 500 360.00
Future											
Dec 2018	ZAUS	Future	799,155	14.0607	14.0290	14.0973	13.9800	73,031	1,025,691,171.60		
Mar 2019	ZAUS	Future	53,135	14.2247	14.1919	14.2267	14.1500	1,915	27,245,528.20		
Jun 2019	ZAUS	Future	19,380	14.3788	14.3447	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	Future	14,099	14.5432	14.5083	0.0000	0.0000	1,546	22,495,846.00		
Dec 2019	ZAUS	Future	9,870	14.7038	14.6676	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	3,966	14.8863	14.8473	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
			899,605					76,492.00	1,075,432,545.80
									189 103 668.00
									2 268 506 746 600.10
Option									
Dec 2018	ZAUS	11.64 Put	2,764	0.8496	1.1431	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	1.0692	1.3755	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	1.4667	1.7785	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	1.8141	2.1176	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	1.8932	2.1937	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	2.2472	2.5287	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	2.7884	3.0287	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	3.1081	3.3187	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	4.1300	4.2261	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	1566.0836	1534.3117	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	5.3836	5.3117	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	7.1966	6.8480	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	8.3183	7.9777	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	10.4757	10.3437	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	19.6116	20.6807	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	1083.4719	1053.3216	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	22.7719	24.3216	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	26.3642	28.4812	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	30.4339	33.2119	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	900.9023	873.6043	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	42.4443	47.2231	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	856.7043	830.3800	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	46.0043	51.3800	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	55.2905	62.2171	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	56.7362	63.9010	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	690.3052	667.9164	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	79.6052	88.9164	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	651.8772	630.3598	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	91.1772	101.3598	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	68,500	117.8166	129.8111	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	142.6625	156.1506	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	149.3831	163.2479	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	167.0922	181.9009	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	182.2050	197.7683	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	500	446.8146	430.8662	0.0000	0.0000	88	0.00
Dec 2018	ZAUS	13.80 Put	500	186.1146	201.8662	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	228.1489	245.7630	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	361.8697	348.6944	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,000	336.2221	323.9380	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	275.5221	294.9380	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.10 Put	1,867	329.6146	350.7430	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	341.3409	362.7992	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	277.9787	267.8989	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	235,564	359.3053	381.2464	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	365.3917	387.4900	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	250.9253	241.9386	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	390.2253	412.9386	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	415.8142	439.1189	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	233.0282	224.7741	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	455.5653	479.7055	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	206.7311	199.5682	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	476.0311	500.5682	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	200.5854	193.6796	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	489.8854	514.6796	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	518.0902	543.3778	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	185.9409	179.6475	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	174.9360	169.1045	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	11,200	159.5493	154.3650	0.0000	0.0000	10,000	0.00
Dec 2018	ZAUS	14.50 Put	15,500	598.8493	625.3650	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	606.4116	633.0294	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	81,900	136.6835	132.4589	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	1,000	675.9835	703.4589	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	134.5750	130.4381	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	132.4988	128.4483	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	731.8645	759.9283	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	116.9508	113.5472	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	789.1501	817.7387	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	108.1409	105.0992	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	797.4409	826.0992	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	99.8267	97.1131	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	839.1267	868.1131	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.82 Call	250	96.6755	94.0868	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	93.6202	91.1508	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	92.1283	89.7163	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	924.3040	953.8677	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	72.3319	70.6740	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	20,000	1011.6319	1041.6740	0.0000	0.0000	20,000	0.00
Dec 2018	ZAUS	15.01 Call	10,000	71.1721	69.5566	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	62.5275	61.2269	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	61.5234	60.2582	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	56.7359	55.6401	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Call	50	52.3216	51.3784	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.20 Put	50	1191.6216	1222.3784	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	1237.5521	1268.4453	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	1283.8018	1314.8171	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	39.7417	39.2077	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	34.2887	33.9174	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	33.0449	32.7086	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	31.8430	31.5407	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1471.1430	1502.5407	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	31.2577	30.9719	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	26.9297	26.7577	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	26.4303	26.2714	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	25.9397	25.7930	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	21.8996	21.8487	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	20.6920	20.6680	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1796.0876	1827.8420	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	16.4701	16.5301	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	14.6838	14.7743	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	5,000	12.3510	12.4757	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	9.9862	10.1369	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	9.4217	9.5777	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	8.3855	8.5484	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	7.7575	7.9233	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	4.1498	4.3082	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	2.5915	2.7263	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	2.2482	2.3775	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	3.1689	3.5560	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	17.9999	18.7930	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	56.1732	60.7941	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	59.5379	64.5081	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	106.5206	115.5174	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	110.1653	119.3563	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	15,434	125.6550	135.6435	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	136.1006	146.5975	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	151.7436	162.9674	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	158.8224	170.3590	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	184.0828	196.6805	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	206.1896	219.6431	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	214.9220	228.6998	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.40 Put	2,100	226.9520	241.1629	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	245.8272	260.6827	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	258.9703	274.2589	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	277.1653	293.1348	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.60 Put	9,570	296.1178	312.7712	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	328.0225	345.7571	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	336.2991	354.3060	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	344.6997	362.9750	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	357.5221	376.2049	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	375.0429	394.2608	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	402.2233	422.2315	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	406.8566	426.9987	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	425.6888	446.3537	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	17,406	474.8246	496.7697	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	495.2894	517.7326	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	581.6691	606.0405	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	628.5122	653.6861	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	565.1870	557.7582	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	670.8861	696.7390	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.42 Put	2,100	714.5215	741.0167	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	727.2151	753.8874	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	733.5989	760.3588	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	497.5933	491.8156	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	490.5793	484.9713	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	765.8793	793.0713	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	785.5337	812.9789	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	805.4030	833.0926	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	866.2409	894.6409	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	928.8673	957.9228	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	978.7502	1008.2899	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	985.9586	1015.5638	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	993.1869	1022.8571	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	1000.4352	1030.1697	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.99 Call	100	346.5596	344.2370	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	200	344.1522	341.8699	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1150.0007	1180.6663	0.0000	0.0000	152,200	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1196.3387	1227.2178	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1211.9190	1242.8630	0.0000	0.0000	199,648	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1219.7321	1250.7110	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	305.8512	304.1537	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1266.9527	1298.1205	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1274.8797	1306.0738	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	295.4740	293.9312	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1371.1523	1402.6835	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	252.4435	251.4825	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	250.7349	249.7974	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	15.50 Call	224,757	244.0304	243.1784	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	240.7545	239.9409	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	237.5275	236.7539	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	218.5699	218.0222	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	196.4693	196.1660	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	193.7041	193.4327	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	185.6617	185.4714	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.98 Call	2,100	174.2611	174.1808	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	11,406	171.8313	171.7740	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	156.9033	156.9768	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	139.4718	139.6799	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	132.0149	132.2727	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	115.2313	115.5889	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	113.6884	114.0521	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	89.5411	89.9950	0.0000	0.0000	12,600	0.00
Mar 2019	ZAUS	16.97 Call	63,500	88.9590	89.4144	0.0000	0.0000	63,500	0.00
Mar 2019	ZAUS	17.02 Call	262,812	86.1127	86.5733	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	83.1879	83.6228	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	82.7706	83.1964	0.0000	0.0000	99,824	0.00
Mar 2019	ZAUS	17.10 Call	2,500	82.3578	82.7730	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	77.2430	77.5366	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	74.6789	74.9110	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	68.0118	68.0781	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	54.8392	54.5589	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	47.0071	46.5105	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	8.5155	8.6735	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	72.7865	76.0783	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	149.2887	157.6212	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	202.0734	213.1110	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	207.1557	218.3654	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	274.8854	288.2274	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	500.4277	520.5428	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	524.3839	544.9566	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	972.8588	960.2251	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	777.9655	768.8511	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	716.9589	708.9872	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	950.1001	976.5703	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	634.4491	628.0309	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,000	550.6124	545.9706	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	427.2740	424.9085	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	392.2469	390.4890	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	369.9535	367.9163	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	16.00 Call	20	355.5021	353.6690	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	17.96 Call	8,203	154.2543	156.3019	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	14.1381	14.3165	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	128.9546	138.4738	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.91 Put	81,930	618.2483	639.3372	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	648.3678	669.9558	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.09 Put	33,715	710.7459	733.3074	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.14 Put	141,127	737.5643	760.5239	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	775.9071	799.4126	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.33 Put	33,151	843.7724	868.1804	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	1080.4766	1107.0021	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1531.6759	1561.5240	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1665.1993	1695.7156	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	576.8151	573.4298	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	350.1045	348.2450	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	308.4868	307.8993	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	292.2234	291.6660	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	286.4256	285.8774	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.29 Call	81,930	262.7736	262.2425	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	252.2965	251.7652	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	243.6517	243.1157	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.67 Call	141,127	241.5830	241.0452	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	190.8925	188.1223	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	58.9823	65.8231	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	568.5333	587.5023	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	483.4372	482.6233	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	242.3721	242.0905	0.0000	0.0000	0	0.00		
			<u>8,172,060</u>					<u>557,860.00</u>	<u>0.00</u>	<u>61 469 599.00</u>	<u>0.00</u>
	Total		9,071,665					634,352.00	1,075,432,545.80	250 573 267.00	2 268 506 746 600.10
	Grand Total		10,987,174					643,454.00	1 164 021 197.40	342,837,275	3,145,510,158,047.03