



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 29-June-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
Jul 2018	DAEU	Future	34	16.0458	16.1016	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	33	16.0962	16.1525	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>
<b>Option</b>									
Jul 2018	DAEU	15.63 Put	10,000	62.7150	64.0287	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>
		<b>Total</b>	<b>10,067</b>					<b>0.00</b>	<b>0.00</b>
									<b>1 747 844.00</b>
									<b>11 807 017 135.60</b>
<b>Future</b>									
Jun 2018	DAUS	Future	0	13.8235	13.8748	0.0000	0.0000	4,262	58,880,335.00
Jul 2018	DAUS	Future	100	13.7152	13.8748	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	55	13.7152	13.8716	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	150	13.7182	13.8760	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	142	13.7273	13.7930	0.0000	0.0000	142	1,958,606.00
Jul 2018	DAUS	Future	34	13.7346	13.8930	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	13.7419	13.9003	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	13.7491	13.9077	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	13.7510	13.9096	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	920	13.7546	13.9132	0.0000	0.0000	75	1,036,462.50
Jul 2018	DAUS	Future	1,867	13.7619	13.9206	0.0000	0.0000	560	7,738,640.00
Aug 2018	DAUS	Future	55	13.7655	13.9243	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.7852	13.9440	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	4,970	13.7888	13.9476	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	600	13.7977	13.9566	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,547	13.8174	13.9763	0.0000	0.0000	1,000	13,864,000.00
Sep 2018	DAUS	Future	197	13.8228	13.9816	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	4,280	13.8684	14.0278	0.0000	0.0000	1,000	13,916,000.00
Oct 2018	DAUS	Future	55	13.8757	14.0352	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.9172	14.0773	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.9245	14.0846	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>		
Oct 2018	DAUS	Future	3,363	13.9281	14.0883	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	13.9299	14.0901	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	13.9515	14.1121	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	700	13.9570	14.1176	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	3,117	13.9822	14.1432	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	1,830	14.0382	14.1999	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.0418	14.2036	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.0918	14.2541	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	14.0936	14.2559	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.1168	14.2793	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	14.1436	14.3063	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	14.1918	14.3550	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.2025	14.3658	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.2531	14.4176	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.3091	14.4749	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	54,000	14.3145	14.4805	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.3651	14.5323	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.4060	14.5723	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.4472	14.6131	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.4858	14.6512	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.5231	14.6881	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.5643	14.7289	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.6042	14.7683	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.6415	14.8053	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.6814	14.8447	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.7213	14.8842	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.7560	14.9185	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.7998	14.9618	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.9028	15.0723	0.0000	0.0000	0	0.00		
			<u>180,436</u>					<u>7,039.00</u>	<u>97,394,043.50</u>	<u>10 294 877.00</u>	<u>125 269 617 777.30</u>
<b>Option</b>											
Jul 2018	DAUS	11.80 Put	2,000	0.0000	0.0000	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	12.50 Put	2,000	0.0000	0.0404	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.12 Call	2,000	595.4166	756.8498	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	12.60 Put	100,000	0.0534	0.1248	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	12.07 Put	2,000	0.0021	0.0007	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.25 Put	20,000	16.0530	8.1409	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.60 Call	1,000	201.6006	328.8361	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.60 Put	20,000	83.4006	52.8361	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.73 Call	1,000	127.0058	236.8305	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.45 Put	1,500	761.9643	639.5635	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	2.3757	4.6987	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>
Jul 2018	DAUS	13.50 Put	40,000	132.4902	94.2218	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.00 Put	500	33.1427	25.0056	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.50 Call	500	413.8760	532.6478	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	294.0479	228.4311	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	5.7031	10.7175	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	1.9043	3.8334	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	5.0936	3.8808	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	350.7162	279.7172	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	4.4227	8.6158	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	79.1372	60.1192	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	463.5235	567.9161	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	372.5611	309.2656	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	27.1622	37.8737	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	14.6942	20.4260	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	177.5965	141.2771	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	115.4673	92.5299	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	500.6763	597.6843	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	422.9348	359.5518	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	51.3668	65.7579	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	31.1340	40.9885	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	150.5717	124.0337	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	466.7585	403.2087	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	536.7926	627.5937	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	76.5972	94.3359	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	53.0996	64.4613	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	25.1004	21.5207	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	504.4504	438.3397	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	64.9081	79.2910	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	5.2088	4.8438	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	19.3795	16.3352	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	967.9027	1092.8755	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	179.0489	150.4694	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	499.2667	436.2774	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	561.0046	646.9112	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	96.3907	115.9381	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	70.6569	82.5168	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	433.5746	376.9870	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	206.3984	244.3892	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	257.6209	221.7445	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	292.0813	252.7383	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	424.8078	490.8214	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	401.2907	464.2071	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	13.00 Put	500	203.8568	173.9095	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	525.3201	463.1022	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	586.7641	669.6456	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	115.5641	135.6783	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	88.0158	101.2428	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	227.2098	196.2748	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	606.4259	686.4542	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	246.5759	214.8768	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	624.2353	702.2689	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	265.5485	233.3220	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	640.7249	716.9333	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	284.0763	251.4359	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1223.3471	1342.0313	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	655.9652	730.5867	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	301.4948	268.4331	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	669.6194	743.0837	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	315.8926	276.0101	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	679.9403	751.8887	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	337.6757	297.9869	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	697.5210	768.0335	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	356.8327	314.6803	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	706.1258	774.6924	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	371.6557	330.3408	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	719.9742	787.4883	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	390.1145	347.3337	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	727.7366	793.8269	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	403.6270	362.8309	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	738.5376	803.8154	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	417.9984	379.8160	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	748.8524	813.0515	0.0000	0.0000	0	0.00
			<u>437,027</u>					<u>0.00</u>	<u>0.00</u>
		<b>Total</b>	<b>617,463</b>					<b>7,039.00</b>	<b>97,394,043.50</b>
								29 367 959.00	125 269 617 777.30
<b>Future</b>									
Sep 2018	EUUS	Future	2,778	1.1739	1.1646	1.1731	1.1700	95	1,114,050.00
			<u>2,778</u>					<u>95.00</u>	<u>1,114,050.00</u>
		<b>Total</b>	<b>2,778</b>					<b>95.00</b>	<b>1,114,050.00</b>
								726 291.00	8 233 361 062.00
<b>Future</b>									
Sep 2018	ZAAD	Future	12,355	10.2338	10.2922	0.0000	0.0000	0	0.00
Dec 2018	ZAAD	Future	11,412	10.3580	10.4174	0.0000	0.0000	0	0.00
Jun 2019	ZAAD	Future	4,929	10.6255	10.6867	0.0000	0.0000	0	0.00

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			28,696					0.00	0.00	3 683 493.00	31 988 368 421.30
		<b>Total</b>	<b>28,696</b>					<b>0.00</b>	<b>0.00</b>	3 715 870.00	31 988 368 421.30
<b>Future</b>											
	Dec 2018 ZACA	Future	500	10.6772	10.7151	0.0000	0.0000	0	0.00		
			500					0.00	0.00	136 153.00	1 339 439 627.10
		<b>Total</b>	<b>500</b>					<b>0.00</b>	<b>0.00</b>	136 153.00	1 339 439 627.10
<b>Future</b>											
	Sep 2018 ZAEU	Future	135,226	16.2567	16.3129	16.3499	16.3056	256	4,174,379.40		
	Dec 2018 ZAEU	Future	19,006	16.5604	16.6193	0.0000	0.0000	0	0.00		
	Mar 2019 ZAEU	Future	4,808	16.8960	16.9559	0.0000	0.0000	0	0.00		
	Jun 2019 ZAEU	Future	5,256	17.2167	17.2798	0.0000	0.0000	0	0.00		
			164,296					256.00	4,174,379.40	15 022 553.00	214 520 237 332.10
<b>Option</b>											
	Sep 2018 ZAEU	13.50 Put	29,734	6.0464	6.5629	0.0000	0.0000	0	0.00		
	Sep 2018 ZAEU	14.25 Put	86,688	13.3119	14.0754	0.0000	0.0000	0	0.00		
	Sep 2018 ZAEU	15.85 Put	86,824	273.8100	267.4113	0.0000	0.0000	0	0.00		
	Sep 2018 ZAEU	16.76 Call	29,734	296.3961	328.7970	0.0000	0.0000	0	0.00		
	Sep 2018 ZAEU	19.56 Call	86,824	19.0719	22.7196	0.0000	0.0000	0	0.00		
			319,804					0.00	0.00	7 964 516.00	0.00
		<b>Total</b>	<b>484,100</b>					<b>256.00</b>	<b>4,174,379.40</b>	22 987 069.00	214 520 237 332.10
<b>Future</b>											
	Sep 2018 ZAFR	Future	1,215	14.0396	14.1298	0.0000	0.0000	0	0.00		
			1,215					0.00	0.00	612 948.00	6 555 963 200.80
		<b>Total</b>	<b>1,215</b>					<b>0.00</b>	<b>0.00</b>	612 948.00	6 555 963 200.80
<b>Future</b>											
	Sep 2018 ZAGB	Future	226,336	18.3418	18.4045	18.4499	18.4499	9	166,049.10		
	Dec 2018 ZAGB	Future	7,437	18.6288	18.6948	0.0000	0.0000	0	0.00		
	Mar 2019 ZAGB	Future	4,932	18.9391	19.0089	0.0000	0.0000	0	0.00		
	Jun 2019 ZAGB	Future	6,543	19.2350	19.3095	0.0000	0.0000	0	0.00		
			245,248					9.00	166,049.10	11 899 053.00	200 307 609 579.80
		<b>Total</b>	<b>245,248</b>					<b>9.00</b>	<b>166,049.10</b>	13 673 166.00	200 307 609 579.80
<b>Future</b>											
	Sep 2018 ZAJY	Future	115	0.1257	0.1276	0.0000	0.0000	0	0.00		
			115					0.00	0.00	993 919.00	11 089 418 491.40
		<b>Total</b>	<b>115</b>					<b>0.00</b>	<b>0.00</b>	993 919.00	11 089 418 491.40

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<b>Future</b>											
Sep 2018	ZAKS	Future	562	0.1355	0.1368	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,093	0.1337	0.1338	0.0000	0.0000	0	0.00		
			<u>1,655</u>					<u>0.00</u>	<u>0.00</u>	<u>35 358.00</u>	<u>476 333 960.00</u>
		<b>Total</b>	<b>1,655</b>					<b>0.00</b>	<b>0.00</b>	<b>35 358.00</b>	<b>476 333 960.00</b>
<b>Future</b>											
Sep 2018	ZATR	Future	12,775	2.9274	2.9555	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>
		<b>Total</b>	<b>12,775</b>					<b>0.00</b>	<b>0.00</b>	<b>292 754.00</b>	<b>1 018 368 407.50</b>
<b>Future</b>											
Sep 2018	ZAUM	Future	346	13.8483	14.0075	0.0000	0.0000	0	0.00		
Dec 2018	ZAUM	Future	10	14.0075	14.1688	0.0000	0.0000	0	0.00		
			<u>356</u>					<u>0.00</u>	<u>0.00</u>	<u>151 864.00</u>	<u>175 166 490 800.00</u>
		<b>Total</b>	<b>356</b>					<b>0.00</b>	<b>0.00</b>	<b>156 387.00</b>	<b>175 166 490 800.00</b>
<b>Future</b>											
Sep 2018	ZAUS	Future	540,042	13.8483	14.0075	13.9700	13.8244	38,451	533,866,404.50		
Dec 2018	ZAUS	Future	73,607	14.0075	14.1688	14.0510	14.0510	74	1,038,838.00		
Mar 2019	ZAUS	Future	5,932	14.1757	14.3387	14.2828	14.2828	10	142,828.00		
Jun 2019	ZAUS	Future	14,910	14.3344	14.5008	0.0000	0.0000	0	0.00		
			<u>634,491</u>					<u>38,535.00</u>	<u>535,048,070.50</u>	<u>178 063 155.00</u>	<u>2 107 283 754 880.80</u>
<b>Option</b>											
Sep 2018	ZAUS	11.48 Put	5,200	5.7796	5.3303	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.50 Put	45,000	5.9538	5.4904	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.60 Put	2,000	6.9108	6.3670	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.75 Put	93,314	8.6560	7.9593	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.85 Put	48,200	10.0696	9.2430	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.90 Put	3,000	10.8645	9.9628	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.00 Put	13,300	12.6573	11.5809	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.25 Call	500	1616.9326	1774.4250	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.25 Put	40,000	18.6326	16.9250	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.30 Put	100	20.1489	18.2698	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.38 Put	60,000	22.8489	20.6570	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.50 Call	4,600	1377.7833	1532.3588	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.50 Put	34,000	29.4833	24.8588	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.58 Put	8,000	36.8027	28.1437	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.61 Put	13,231	39.8893	29.8609	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.65 Put	1,550	44.3130	33.3604	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.77 Call	5,200	1138.1855	1283.3135	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.80 Call	50	1112.6597	1256.9246	0.0000	0.0000	0	0.00		

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Sep 2018	ZAUS	12.85 Put	3,750	72.3674	55.9229	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	949.1496	1086.8200	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	10,000	100.8496	79.3200	0.0000	0.0000	10,000	0.00
Sep 2018	ZAUS	13.20 Call	4,000	799.4784	928.3007	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	151.1784	120.8007	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	157.2625	125.6580	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	764.9828	890.6971	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	166.6828	133.1971	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	607.5324	719.5872	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	551.6306	658.2561	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	303.3306	250.7561	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	525.1833	629.0656	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	521.6748	444.1900	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	135.0628	172.3303	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	50.4443	66.3987	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	47.0477	61.9786	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	42.6188	56.1990	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	36.8085	48.5875	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	22.4019	19.1062	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	27.1219	23.1902	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	34.9287	29.9647	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	41.1438	35.3722	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	42.4943	36.5484	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	48.2806	41.5917	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	56.4398	48.7182	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	60.9386	52.6512	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	74.0609	64.1467	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1595.6820	1745.3480	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	88.1820	76.5480	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	106.9819	92.1545	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	116.4331	98.8110	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	130.6447	108.7837	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1198.7975	1330.7448	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	190,030	191.2975	161.9448	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	220.1254	187.4998	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1059.1767	1184.4371	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	258.3187	221.5820	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1025.9907	1149.4979	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	7,800	268.4907	230.6979	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	346.3590	297.7034	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	875.4670	986.1150	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	367.9670	317.3150	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	13.70 Put	7,300	461.7053	403.0349	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	729.9053	829.3363	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	502.4053	440.5363	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	507.6209	445.3505	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	720.3604	818.9928	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	652.2379	744.9543	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	16,000	630.8599	721.6316	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	579.2942	664.0611	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	507.9310	584.7250	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	472.5143	545.1787	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	425.4601	492.3914	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	422.6883	489.2695	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	419.9318	486.1716	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	398.5585	462.0789	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	385.9428	447.6492	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	364.3104	422.8561	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	31,600	329.0656	382.7477	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	326.9913	380.3848	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	310.9199	362.0405	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	299.4438	348.9209	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	243.3674	285.6517	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	1,000	240.1827	282.2562	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	210.6921	248.8613	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	15,000	173.5722	205.7284	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	6.1830	6.3035	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	33.4478	25.3055	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	63.6235	50.6608	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	1142.2648	1260.2687	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	420.6211	375.3266	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	555.8111	496.9681	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	742.7886	829.1355	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	678.0183	758.7457	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	533.1569	599.6120	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	421.4133	475.3286	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	10.3982	11.4448	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	104.6251	86.3434	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	227.1884	193.0446	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	302.7208	265.4906	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	389.7834	350.4262	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	644.0870	584.2071	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	12,450	670.0141	608.6350	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	835.8936	921.7678	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 2019	ZAUS	14.82 Call	30,000	755.2349	834.6899	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	560.7522	621.9194	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	12,450	545.5027	605.1587	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	508.5477	564.4879	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	484.2427	539.2203	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	21.0713	22.2497	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	199.4021	171.6918	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	653.4777	716.1180	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	273.0072	305.7683	0.0000	0.0000	0	0.00		
			<u>2,583,938</u>					<u>10,000.00</u>	<u>0.00</u>	<u>50 693 187.00</u>	<u>0.00</u>
	<b>Total</b>		<b><u>3,218,429</u></b>					<b><u>48,535.00</u></b>	<b><u>535,048,070.50</u></b>	<b><u>228 756 342.00</u></b>	<b><u>2 107 283 754 880.80</u></b>

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<b>Grand Total</b>	<b><u>4,623,397</u></b>	<b><u>55,934.00</u></b>	<b><u>637 896 592.50</u></b>	<b><u>312,566,650</u></b>	<b><u>2,941,020,797,603.32</u></b>
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