



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 09-November-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
<b>Future</b>											
Nov 2017	DAEU	Future	21	16.5835	16.4390	0.0000	0.0000	0	0.00		
Nov 2017	DAEU	Future	800	16.6327	16.4803	0.0000	0.0000	0	0.00		
Dec 2017	DAEU	Future	3	16.6487	16.5018	0.0000	0.0000	0	0.00		
Dec 2017	DAEU	Future	800	16.7336	16.5857	0.0000	0.0000	0	0.00		
			<u>1,624</u>					<u>0.00</u>	<u>0.00</u>	<u>247 766.00</u>	<u>3 574 018 719.90</u>
<b>Option</b>											
Jan 2018	DAEU	15.80 Put	193,000	147.5592	181.4985	0.0000	0.0000	0	0.00		
Feb 2018	DAEU	16.41 Put	114,748	367.4995	427.7165	0.0000	0.0000	77	0.00		
			<u>307,748</u>					<u>77.00</u>	<u>0.00</u>	<u>632 247.00</u>	<u>0.00</u>
		<b>Total</b>	<b>309,372</b>					<b>77.00</b>	<b>0.00</b>	<b>880 013.00</b>	<b>3 574 018 719.90</b>
<b>Future</b>											
Dec 2017	DAGB	Future	10	18.7826	18.6588	0.0000	0.0000	0	0.00		
Jan 2018	DAGB	Future	10	18.9633	18.8323	0.0000	0.0000	0	0.00		
			<u>20</u>					<u>0.00</u>	<u>0.00</u>	<u>53 490.00</u>	<u>877 331 125.50</u>
<b>Option</b>											
Dec 2017	DAGB	19.19 Call	15,200	148.0108	132.0198	0.0000	0.0000	0	0.00		
			<u>15,200</u>					<u>0.00</u>	<u>0.00</u>	<u>207 313.00</u>	<u>0.00</u>
		<b>Total</b>	<b>15,220</b>					<b>0.00</b>	<b>0.00</b>	<b>260 803.00</b>	<b>877 331 125.50</b>
<b>Future</b>											
Nov 2017	DAUS	Future	70	14.2564	14.1626	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	200	14.2564	14.1687	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	300	14.2611	14.1703	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	1,630	14.2657	14.1719	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	1,990	14.2879	14.1962	0.0000	0.0000	0	0.00		
Nov 2017	DAUS	Future	2,708	14.2919	14.2011	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	24	14.3000	14.2109	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	241	14.3202	14.2351	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	1,781	14.3226	14.2372	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 2017	DAUS	Future	916	14.3520	14.2621	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	14.3716	14.2788	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	500	14.3863	14.2913	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	14.3911	14.2954	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	14.4054	14.3092	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	70	14.4210	14.3283	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	1,564	14.4344	14.3447	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	70	14.4635	14.3802	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	70	14.6281	14.5370	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	110	14.6423	14.5504	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	70	14.6682	14.5750	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	181	14.7145	14.6215	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	100	14.7885	14.6962	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,800	14.8300	14.7382	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	70	14.8416	14.7499	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,853	14.8555	14.7639	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	14.8855	14.7943	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	15.0609	14.9716	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	15.1065	15.0178	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	15.3402	15.2459	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	16.7915	16.6730	0.0000	0.0000	0	0.00		
			<u>101,321</u>					<u>0.00</u>	<u>0.00</u>	<u>6 874 413.00</u>	<u>83 271 207 141.00</u>

**Option**

Nov 2017	DAUS	14.17 Call	10,000	228.7004	0.0000	0.0000	0.0000	20,000	0.00
Nov 2017	DAUS	14.54 Call	300	105.7713	0.0000	0.0000	0.0000	300	0.00
Nov 2017	DAUS	13.50 Put	60	8.8958	13.9592	0.0000	0.0000	0	0.00
Nov 2017	DAUS	17.74 Call	60	0.2982	0.4361	0.0000	0.0000	0	0.00
Nov 2017	DAUS	12.75 Put	238,000	1.9954	3.0865	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.50 Put	60	62.7668	85.6129	0.0000	0.0000	0	0.00
Dec 2017	DAUS	18.02 Call	60	3.5185	4.2377	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.50 Call	150	327.4620	307.7244	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.20 Put	2,000	59.7421	72.9454	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.76 Call	1,000	296.6274	277.8494	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.88 Call	1,000	260.7432	245.4040	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	107,000	93.2021	106.9874	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.27 Put	154,000	96.5895	110.8298	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.30 Put	40,904	101.8423	116.7828	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.40 Put	168,000	120.9174	138.3325	0.0000	0.0000	0	0.00
Feb 2018	DAUS	12.57 Put	242	32.1493	34.5264	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.04 Put	234	63.8048	73.4871	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.15 Put	3,496	78.6575	90.4429	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.22 Call	242	252.6367	238.7174	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>		
Feb 2018	DAUS	15.52 Call	2,723	192.2524	183.3412	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	15.79 Call	234	150.3194	144.8051	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	15.88 Call	773	138.5116	133.5020	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	13.80 Put	35,000	232.7517	263.8188	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	14.18 Put	90,000	412.6488	454.2566	0.0000	0.0000	101	0.00		
Mar 2018	DAUS	13.50 Put	100,000	173.4382	193.7506	0.0000	0.0000	0	0.00		
Mar 2018	DAUS	13.40 Put	100,000	150.9869	169.0139	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.00 Put	1,000	926.5245	987.7906	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.81 Call	2,000	340.8281	324.9365	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	13.80 Put	1,000	314.7565	343.3070	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.23 Call	500	496.5617	470.2336	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	15.66 Call	500	384.2593	365.5785	0.0000	0.0000	0	0.00		
May 2018	DAUS	13.80 Put	1,000	340.0329	368.9757	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.43 Call	500	520.8495	496.0718	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.89 Call	500	407.7276	389.8176	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	13.80 Put	1,000	362.4399	391.5275	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	15.62 Call	500	542.9556	520.0816	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	16.10 Call	500	429.7525	413.3749	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.19 Put	1,500	533.2836	571.9885	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.72 Call	1,500	576.1244	553.1144	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	383.9021	411.4728	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	566.6999	544.7643	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	453.2519	436.6521	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	403.4617	430.7963	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	581.0455	561.2906	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	467.6286	452.6537	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	418.4731	445.5017	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	595.2920	577.2016	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	478.5819	465.3063	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	434.2215	460.9955	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	614.7106	598.4600	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	500.6788	488.9788	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	448.4394	475.8621	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	632.6114	616.2400	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	511.8130	501.1111	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	460.9392	489.1079	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	654.5631	637.7173	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	531.1898	519.9102	0.0000	0.0000	0	0.00		
			<u>1,079,538</u>					<u>20,401.00</u>	<u>0.00</u>	<u>14 723 700.00</u>	<u>0.00</u>
	<b>Total</b>		<b>1,180,859</b>					<b>20,401.00</b>	<b>0.00</b>	<b>21 598 113.00</b>	<b>83 271 207 141.00</b>

Future

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Dec 2017	EUUS	Future	111	1.1652	1.1622	0.0000	0.0000	0	0.00		
			<u>111</u>					<u>0.00</u>	<u>0.00</u>	<u>648 949.00</u>	<u>7 291 422 418.00</u>
		<b>Total</b>	<b>111</b>					<b>0.00</b>	<b>0.00</b>	<b>648 949.00</b>	<b>7 291 422 418.00</b>
<b>Future</b>											
Dec 2017	ZAAD	Future	16,394	10.9768	10.9328	10.9100	10.9100	200	2,182,000.00		
Mar 2018	ZAAD	Future	900	11.1343	11.0902	11.0683	11.0602	200	2,212,850.00		
Jun 2018	ZAAD	Future	300	11.2929	11.2450	0.0000	0.0000	0	0.00		
			<u>17,594</u>					<u>400.00</u>	<u>4,394,850.00</u>	<u>3 392 878.00</u>	<u>29 063 327 233.10</u>
		<b>Total</b>	<b>17,594</b>					<b>400.00</b>	<b>4,394,850.00</b>	<b>3 425 255.00</b>	<b>29 063 327 233.10</b>
<b>Future</b>											
Dec 2017	ZACA	Future	600	11.2724	11.1904	11.2913	11.2913	250	2,822,825.00		
			<u>600</u>					<u>250.00</u>	<u>2,822,825.00</u>	<u>121 553.00</u>	<u>1 193 595 337.10</u>
		<b>Total</b>	<b>600</b>					<b>250.00</b>	<b>2,822,825.00</b>	<b>121 553.00</b>	<b>1 193 595 337.10</b>
<b>Future</b>											
Dec 2017	ZADK	Future	1,200	2.2451	2.2253	0.0000	0.0000	0	0.00		
			<u>1,200</u>					<u>0.00</u>	<u>0.00</u>	<u>9 270.00</u>	<u>198 794 259.00</u>
		<b>Total</b>	<b>1,200</b>					<b>0.00</b>	<b>0.00</b>	<b>9 270.00</b>	<b>198 794 259.00</b>
<b>Future</b>											
Dec 2017	ZAEU	Future	108,773	16.6968	16.5542	16.7176	16.5276	3,265	54,339,770.40		
Mar 2018	ZAEU	Future	13,928	17.0431	16.9006	17.0206	16.8889	723	12,298,143.90		
Jun 2018	ZAEU	Future	736	17.3935	17.2420	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	Future	4,679	17.7539	17.6018	0.0000	0.0000	0	0.00		
			<u>128,116</u>					<u>3,988.00</u>	<u>66,637,914.30</u>	<u>12 758 088.00</u>	<u>179 697 474 483.30</u>
<b>Option</b>											
Dec 2017	ZAEU	14.00 Put	18,000	2.2027	3.2506	0.0000	0.0000	0	0.00		
Dec 2017	ZAEU	16.39 Call	18,000	521.3992	452.4121	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	15.05 Put	5,648	78.0840	89.0493	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	15.10 Put	19,510	82.4800	93.9324	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	16.39 Put	174,600	376.5728	435.4066	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	16.50 Call	643	964.3335	884.9647	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	17.00 Call	620	705.1944	646.2501	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.75 Put	54,507	26.1670	27.8640	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.97 Put	7,000	30.8538	36.2981	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.25 Put	54,507	147.6503	168.5523	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	16.44 Put	7,000	448.2808	501.1497	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	18.61 Call	7,000	507.3441	473.1743	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	20.55 Call	54,507	206.1451	195.4503	0.0000	0.0000	0	0.00		

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			421,542					0.00	0.00	5 794 892.00	0.00
		<b>Total</b>	<b>549,658</b>					<b>3,988.00</b>	<b>66,637,914.30</b>	18 552 980.00	179 697 474 483.30
<b>Future</b>											
	Dec 2017 ZAFR	Future	1,502	14.4123	14.2801	0.0000	0.0000	0	0.00		
			1,502					0.00	0.00	598 403.00	6 361 410 016.60
		<b>Total</b>	<b>1,502</b>					<b>0.00</b>	<b>0.00</b>	598 403.00	6 361 410 016.60
<b>Future</b>											
	Dec 2017 ZAGB	Future	210,768	18.7947	18.6690	18.8335	18.6366	185	3,454,553.50		
	Mar 2018 ZAGB	Future	3,791	19.1338	19.0079	18.9721	18.9721	100	1,897,210.00		
	Jun 2018 ZAGB	Future	4,883	19.4728	19.3379	0.0000	0.0000	0	0.00		
	Sep 2018 ZAGB	Future	3,565	19.8149	19.6820	0.0000	0.0000	0	0.00		
			223,007					285.00	5,351,763.50	9 225 428.00	153 596 892 400.60
<b>Option</b>											
	Dec 2017 ZAGB	18.20 Call	400	773.9008	701.2081	0.0000	0.0000	0	0.00		
	Dec 2017 ZAGB	19.80 Call	800	131.8735	123.6657	0.0000	0.0000	0	0.00		
	Mar 2018 ZAGB	17.00 Put	500	138.2220	150.3362	0.0000	0.0000	0	0.00		
	Mar 2018 ZAGB	20.14 Call	500	479.7690	446.3853	0.0000	0.0000	0	0.00		
			2,200					0.00	0.00	1 770 013.00	0.00
		<b>Total</b>	<b>225,207</b>					<b>285.00</b>	<b>5,351,763.50</b>	10 995 441.00	153 596 892 400.60
<b>Future</b>											
	Dec 2017 ZAJY	Future	225	0.1265	0.1257	0.0000	0.0000	0	0.00		
			225					0.00	0.00	952 950.00	10 619 017 477.80
		<b>Total</b>	<b>225</b>					<b>0.00</b>	<b>0.00</b>	952 950.00	10 619 017 477.80
<b>Future</b>											
	Jun 2018 ZAKS	Future	1,145	0.1366	0.1358	0.0000	0.0000	0	0.00		
	Sep 2018 ZAKS	Future	562	0.1365	0.1345	0.0000	0.0000	0	0.00		
			1,707					0.00	0.00	31 923.00	432 652 210.00
		<b>Total</b>	<b>1,707</b>					<b>0.00</b>	<b>0.00</b>	31 923.00	432 652 210.00
<b>Future</b>											
	Dec 2017 ZATR	Future	4,775	3.6759	3.6311	0.0000	0.0000	0	0.00		
			4,775					0.00	0.00	232 448.00	840 450 875.50
		<b>Total</b>	<b>4,775</b>					<b>0.00</b>	<b>0.00</b>	232 448.00	840 450 875.50
<b>Future</b>											
	Dec 2017 ZAUM	Future	803	14.3300	14.2434	14.2921	14.2204	24	34,204,830.00		
	Mar 2018 ZAUM	Future	28	14.5434	14.4563	0.0000	0.0000	0	0.00		

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Jun 2018	ZAUM	Future	9	14.7561	14.6635	0.0000	0.0000	0	0.00		
			<u>840</u>					24.00	34,204,830.00	144 168.00	165 403 470 670.00
		<b>Total</b>	<b>840</b>					<b>24.00</b>	<b>34,204,830.00</b>	148 691.00	165 403 470 670.00
<b>Future</b>											
Dec 2017	ZAUS	Future	1,045,875	14.3300	14.2434	14.3900	14.1989	101,127	1,444,785,828.70		
Mar 2018	ZAUS	Future	174,515	14.5434	14.4563	14.5955	14.4201	2,660	38,671,967.40		
Jun 2018	ZAUS	Future	110,301	14.7561	14.6635	14.6371	14.6371	50	731,855.00		
Sep 2018	ZAUS	Future	3,267	14.9695	14.8793	0.0000	0.0000	0	0.00		
Sep 2020	ZAUS	Future	184,000	16.9325	16.8126	0.0000	0.0000	0	0.00		
			<u>1,517,958</u>					<u>103,837.00</u>	<u>1,484,189,651.10</u>	<u>157 913 018.00</u>	<u>1 848 795 208 916.90</u>
<b>Option</b>											
Dec 2017	ZAUS	11.75 Put	1,000	1.0044	1.5451	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.00 Put	20,141	1.5160	2.2574	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.16 Put	550	1.9864	2.8981	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.20 Put	4,000	2.1272	3.0881	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.21 Put	18,000	2.1640	3.1376	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.40 Put	114,600	3.0141	4.2697	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.50 Put	16,416	3.6027	5.0431	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.56 Put	7,100	4.0156	5.5814	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.65 Put	1,819	4.7352	6.5139	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.75 Put	10,000	5.7049	7.7602	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.76 Put	550	5.8132	7.8987	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.00 Put	10,000	10.8075	15.9431	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.10 Put	41,000	15.1503	22.3135	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.12 Put	40,000	16.1777	23.8097	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.15 Put	2,600	17.8308	26.2063	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.18 Put	16,000	19.6251	28.7953	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.20 Call	7,000	1150.9044	1074.0337	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.20 Put	6,728	20.9044	30.6337	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.21 Put	5,000	21.5693	31.5873	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.22 Put	7,100	22.2526	32.5647	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.25 Call	16,141	1104.4126	1029.0440	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.35 Put	52,000	32.9188	47.6189	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.40 Put	114,600	38.0127	54.6839	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.50 Call	11,016	880.1385	814.6278	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.60 Call	4,000	795.2005	735.3956	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.76 Call	3,750	669.0171	618.5000	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.76 Put	3,000	99.0171	135.1000	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.80 Put	550	109.4507	147.6984	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.93 Call	7,100	548.5687	507.3085	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.00 Call	19,000	503.0576	465.5918	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 2017	ZAUS	14.00 Put	33,000	173.0576	222.1918	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.27 Put	40,000	290.8444	354.1484	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.40 Call	2,000	292.0000	276.2373	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Call	7,000	253.8389	241.7103	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Put	2,055	423.8389	498.3103	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.63 Call	10,000	210.8069	202.6631	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.90 Call	1,500	141.8902	139.6173	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	5,580	122.2465	121.2444	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	103.4551	103.5378	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.12 Call	40,000	101.8752	102.0581	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.50 Call	25,457	56.5084	58.9455	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.60 Call	10,000	48.3608	51.0224	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	16.00 Call	117,200	24.9978	26.8171	0.0000	0.0000	2,600	0.00
Dec 2017	ZAUS	17.13 Call	18,000	3.3180	3.9661	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	2.8912	3.7970	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	2.4514	3.0425	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	225,000	19.7724	22.1904	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.36 Put	20,880	35.7768	39.6853	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	38.1080	42.2200	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.50 Put	26,000	44.5131	49.1773	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.57 Put	3,000	49.5283	54.6125	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.94 Put	5,000	84.7512	92.6011	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	94,964	92.0765	100.4701	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.22 Put	15,000	127.0117	141.8025	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	2,478	132.8705	148.2693	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	160.5485	178.7308	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	2,500	165.1485	183.7785	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Call	15,000	1232.9563	1166.8096	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Put	17,750	189.5563	210.5096	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.60 Put	3,000	216.3938	239.7921	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.74 Put	20,880	258.2036	285.1991	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.76 Call	4,000	1047.9885	988.6299	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.91 Put	7,000	318.3425	351.2751	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.05 Put	500	375.0899	412.1374	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.16 Put	750	423.5756	463.8666	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.18 Put	41,000	432.7568	473.6368	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Put	65,000	442.0500	483.5184	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.44 Call	10,000	665.5903	0.0000	0.0000	0.0000	10,000	0.00
Mar 2018	ZAUS	14.45 Call	17,000	660.9352	622.5456	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.49 Put	80,000	589.1837	639.4530	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Put	400	594.6609	645.3192	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.52 Put	1,000	605.6938	657.1281	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 2018	ZAUS	14.75 Call	20,880	536.0357	506.3257	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.86 Call	15,000	496.2903	469.0509	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.90 Call	5,000	482.5289	456.1566	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	8,395	479.1475	452.9866	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.95 Call	3,000	465.8335	440.5182	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.00 Call	5,626	449.6851	425.3998	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	416.0162	393.9024	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.26 Call	2,500	374.0032	355.0772	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	324.9275	309.5106	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	65,000	315.9482	301.1511	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.69 Call	750	276.6575	264.5900	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.75 Call	15,000	265.3322	254.0528	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.00 Call	3,276	223.1528	213.9275	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.16 Call	225,000	198.7494	191.0741	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	750	9.5952	10.3342	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	32,782	13.3975	14.6973	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	137,000	25.4671	31.5025	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	12,603	55.0228	64.5004	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	32,782	97.7831	110.7168	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	132.9104	148.0206	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	14,658	140.4970	156.0278	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	150.4056	166.4591	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	176.1470	193.4640	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.22 Put	15,000	187.7128	205.5063	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	50	207.2760	225.7066	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	248.5140	270.0468	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	254.0319	275.9668	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	301.1400	326.4035	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.70 Put	184,000	320.1902	346.7467	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	364.1027	393.5279	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	367.6318	397.2828	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	389.2573	420.2638	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	6,130	427.0371	462.9757	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	469.6605	508.0161	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	824.3781	784.5991	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	782.7658	745.2476	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	670.0479	638.4372	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	659.6850	628.6313	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	567.3862	541.5804	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	538.8545	515.0233	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	392.8122	376.7002	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	351.1343	336.5084	0.0000	0.0000	0	0.00



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Jun 2018	ZAUS	16.41 Call	300	345.6891	331.3943	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.49 Call	7,420	331.6011	318.1591	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.52 Call	32,782	326.4791	313.3458	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.00 Call	1,500	255.0641	246.2688	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.21 Call	500	229.3325	222.0863	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.28 Call	5,630	221.4027	214.6307	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.38 Call	7,028	210.5967	204.4654	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.00 Put	750	15.7000	17.3594	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.61 Put	5,300	90.8509	103.9507	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.65 Put	1,550	97.4266	111.1154	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.85 Put	750	135.1530	151.8978	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.65 Call	1,464	1680.9712	1615.0981	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.73 Put	2,500	387.8086	413.5711	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	15.97 Call	5,300	639.1361	617.9649	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.04 Call	1,550	621.2245	600.9222	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.14 Call	750	596.5996	577.5018	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	17.02 Call	2,500	417.1736	406.2353	0.0000	0.0000	0	0.00		
			<u>2,604,517</u>					<u>12,600.00</u>	<u>0.00</u>	<u>39 198 673.00</u>	<u>0.00</u>
	<b>Total</b>		<b><u>4,122,475</u></b>					<b><u>116,437.00</u></b>	<b><u>1,484,189,651.10</u></b>	<b><u>197 111 691.00</u></b>	<b><u>1 848 795 208 916.90</u></b>

<b>Grand Total</b>	<b><u>6,431,345</u></b>	<b><u>141,862.00</u></b>	<b><u>1 597 601 833.90</u></b>	<b><u>264,085,670</u></b>	<b><u>2,535,795,723,701.30</u></b>
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