



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 18-June-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
<b>Future</b>									
Jul 2018	DAEU	Future	34	15.9712	15.7635	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	33	16.0204	15.8106	0.0000	0.0000	0	0.00
			<u>67</u>					<i>0.00</i>	<i>0.00</i>
									<i>791 007.00</i>
									<i>11 806 212 560.60</i>
<b>Option</b>									
Jul 2018	DAEU	15.63 Put	10,000	135.1851	227.5252	0.0000	0.0000	0	0.00
			<u>10,000</u>					<i>0.00</i>	<i>0.00</i>
									<i>956 787.00</i>
									<i>0.00</i>
		<b>Total</b>	<b>10,067</b>					<b>0.00</b>	<b>0.00</b>
									<i>1 747 794.00</i>
									<i>11 806 212 560.60</i>
<b>Future</b>									
Jun 2018	DAUS	Future	5,947	13.6826	13.4989	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	20	13.6844	13.4427	0.0000	0.0000	20	268,854.00
Jun 2018	DAUS	Future	4,240	13.6965	13.5159	0.0000	0.0000	1,058	14,346,614.80
Jul 2018	DAUS	Future	100	13.7018	13.5203	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	55	13.7035	13.5218	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	150	13.7088	13.5262	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	13.7334	13.5469	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	13.7404	13.5538	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	13.7422	13.5555	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	845	13.7457	13.5590	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,427	13.7528	13.5659	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	55	13.7563	13.5694	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.7757	13.5883	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,970	13.7792	13.5918	0.0000	0.0000	30	407,445.00
Aug 2018	DAUS	Future	600	13.7880	13.5673	0.0000	0.0000	600	8,140,380.00
Aug 2018	DAUS	Future	2,602	13.8077	13.6194	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	177	13.8131	13.6246	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	3,280	13.8578	13.6679	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	13.8649	13.6748	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.9060	13.7148	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.9132	13.7218	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	13.9167	13.7253	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	13.9185	13.7270	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	13.9400	13.7479	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	3,117	13.9704	13.7775	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	1,830	14.0259	13.8313	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.0294	13.8347	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	14.0797	13.8832	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	14.0815	13.8849	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	14.1048	13.9074	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	4,725	14.1317	13.9334	0.0000	0.0000	3,500	49,119,000.00
Mar 2019	DAUS	Future	4,414	14.1801	13.9804	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.1907	13.9910	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	14.2404	14.0404	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	14.2954	14.0952	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	54,000	14.3007	14.1005	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.3453	14.1450	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.3857	14.1869	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.4275	14.2302	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.4666	14.2708	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.5044	14.3100	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.5462	14.3533	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.5866	14.3952	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.6244	14.4344	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.6649	14.4764	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.7053	14.5183	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.7406	14.5548	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.7849	14.6008	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.9090	14.7254	0.0000	0.0000	0	0.00
			<u>187,287</u>					<u>5,208.00</u>	<u>72,282,293.80</u>
									<u>10 277 397.00</u>
									<u>125 029 263 056.30</u>
<b>Option</b>									
Jun 2018	DAUS	12.22 Put	500	0.5643	1.8946	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.44 Put	109	1.1233	2.9132	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.45 Put	635	1.1562	2.9747	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.47 Put	158	1.2254	3.1031	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.52 Call	109	1177.9195	999.3574	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.55 Call	500	1148.0524	969.5954	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.56 Call	635	1138.0998	959.6794	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.62 Call	158	1078.4205	900.2394	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.85 Call	500	850.5242	673.7156	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	236.1902	378.2026	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	0.5714	0.8582	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	0.1477	0.3555	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	11.80 Put	2,000	0.2445	0.1582	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	2.2727	3.8898	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	597.7283	446.8632	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.60 Put	100,000	3.1594	5.9378	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	0.9009	2.1521	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.25 Put	20,000	43.1130	0.0000	0.0000	0.0000	20,000	0.00
Jul 2018	DAUS	13.60 Call	1,000	268.3254	195.9920	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	206.2237	151.2217	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	812.5130	976.8195	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	7.1086	5.3653	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.00 Put	500	53.5447	94.7400	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.50 Call	500	451.9095	356.3151	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	350.5871	473.7878	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	13.8681	10.2211	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	5.1972	4.2978	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	6.8315	11.8026	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	404.6091	529.4043	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	12.8228	9.7167	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	98.5318	147.5562	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	493.4890	406.6946	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	415.6575	530.4425	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	42.5450	35.2686	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	25.2457	19.3773	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	203.8157	278.3217	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	132.2785	183.8498	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	524.6176	443.5904	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	457.8301	568.1986	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	65.8526	55.9747	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	42.1526	33.9457	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	167.7743	220.8790	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	499.2042	605.3651	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	559.7050	482.5258	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	91.6186	79.4269	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	65.8496	57.4715	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	28.6403	38.1571	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	537.4315	646.9637	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	78.1477	69.4472	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	3.6543	7.9090	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	21.8022	29.4580	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	977.7718	855.6630	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	196.6068	251.0413	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	530.5118	633.8941	0.0000	0.0000	0	0.00

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Nov 2018	DAUS	14.08 Call	500	583.4685	508.9196	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	16.70 Call	500	111.5301	99.3502	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	17.31 Call	500	83.9798	75.4134	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	13.65 Put	20,000	462.1947	557.1375	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	15.69 Call	20,000	227.2320	198.5800	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	13.00 Put	500	220.8223	275.7081	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	13.80 Put	1,000	554.5382	656.2260	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	14.22 Call	500	607.8531	534.8682	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	16.93 Call	500	130.8342	119.2642	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	17.58 Call	500	101.1921	93.2407	0.0000	0.0000	0	0.00			
Jan 2019	DAUS	13.00 Put	500	242.5545	298.2505	0.0000	0.0000	0	0.00			
Jan 2019	DAUS	14.38 Call	500	624.9839	553.4733	0.0000	0.0000	0	0.00			
Feb 2019	DAUS	13.00 Put	500	260.5132	316.6480	0.0000	0.0000	0	0.00			
Feb 2019	DAUS	14.52 Call	500	640.7822	570.4506	0.0000	0.0000	0	0.00			
Mar 2019	DAUS	13.00 Put	500	278.1478	334.4525	0.0000	0.0000	0	0.00			
Mar 2019	DAUS	14.67 Call	500	655.4585	586.2664	0.0000	0.0000	0	0.00			
Apr 2019	DAUS	13.00 Put	3,000	295.5484	351.6183	0.0000	0.0000	0	0.00			
Apr 2019	DAUS	13.49 Call	2,500	1227.0499	1107.5670	0.0000	0.0000	0	0.00			
Apr 2019	DAUS	14.84 Call	500	668.6361	601.3793	0.0000	0.0000	0	0.00			
May 2019	DAUS	13.00 Put	500	311.9988	367.8371	0.0000	0.0000	0	0.00			
May 2019	DAUS	15.01 Call	500	680.3340	615.1093	0.0000	0.0000	0	0.00			
Jun 2019	DAUS	13.00 Put	500	327.5064	383.6300	0.0000	0.0000	0	0.00			
Jun 2019	DAUS	15.17 Call	500	690.3168	626.6876	0.0000	0.0000	0	0.00			
Jul 2019	DAUS	13.00 Put	500	348.4271	404.7241	0.0000	0.0000	0	0.00			
Jul 2019	DAUS	15.34 Call	500	706.7455	645.2761	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	13.00 Put	500	366.9665	422.7260	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	15.52 Call	500	714.8868	655.8158	0.0000	0.0000	0	0.00			
Sep 2019	DAUS	13.00 Put	500	383.4603	440.0524	0.0000	0.0000	0	0.00			
Sep 2019	DAUS	15.68 Call	500	728.8199	671.3559	0.0000	0.0000	0	0.00			
Oct 2019	DAUS	13.00 Put	500	397.4237	457.6777	0.0000	0.0000	0	0.00			
Oct 2019	DAUS	15.87 Call	500	736.2837	680.5504	0.0000	0.0000	0	0.00			
Nov 2019	DAUS	13.00 Put	500	410.2239	472.1607	0.0000	0.0000	0	0.00			
Nov 2019	DAUS	16.03 Call	500	747.0055	692.7071	0.0000	0.0000	0	0.00			
Dec 2019	DAUS	13.00 Put	500	423.6484	486.7576	0.0000	0.0000	0	0.00			
Dec 2019	DAUS	16.21 Call	500	756.8363	704.0717	0.0000	0.0000	0	0.00			
			<u>378,331</u>					<u>20,000.00</u>	<u>0.00</u>	<u>18 989 082.00</u>	<u>0.00</u>	
	<b>Total</b>		<b>565,618</b>					<b>25,208.00</b>	<b>72,282,293.80</b>	29 266 479.00	125 029 263 056.30	
<b>Future</b>												
	Jun 2018	EUUS	Future	0	1.1603	1.1619	1.1572	1.1572	240	2,777,280.00		
	Sep 2018	EUUS	Future	1,345	1.1691	1.1697	1.1675	1.1675	1,585	18,492,770.00		
			<u>1,345</u>						<u>1,825.00</u>	<u>21,270,050.00</u>	<u>711 091.00</u>	<u>8 055 829 322.00</u>

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<b>Total</b>			<b>1,345</b>					<b>1,825.00</b>	<b>21,270,050.00</b>	711 091.00	8 055 829 322.00
<b>Future</b>											
Jun 2018	JYZA	Future	0	8.1444	8.1873	0.0000	0.0000	1,200	12,000,024.12		
Sep 2018	JYZA	Future	283	7.9313	8.0456	0.0000	0.0000	0	0.00		
			<u>283</u>					<u>1,200.00</u>	<u>12,000,024.12</u>	<u>19 983.00</u>	<u>198 146 012.97</u>
<b>Total</b>			<b>283</b>					<b>1,200.00</b>	<b>12,000,024.12</b>	295 783.00	198 146 012.97
<b>Future</b>											
Jun 2018	ZAAD	Future	0	10.0870	10.0653	10.1050	10.0402	18,415	185,259,152.00		
Sep 2018	ZAAD	Future	8,621	10.2828	10.1845	10.1595	10.1560	7,634	77,449,433.50		
Dec 2018	ZAAD	Future	11,412	10.4085	10.3079	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	10.6824	10.5752	0.0000	0.0000	0	0.00		
			<u>24,962</u>					<u>26,049.00</u>	<u>262,708,585.50</u>	<u>3 678 852.00</u>	<u>31 941 354 359.20</u>
<b>Total</b>			<b>24,962</b>					<b>26,049.00</b>	<b>262,708,585.50</b>	3 711 229.00	31 941 354 359.20
<b>Future</b>											
Jun 2018	ZACA	Future	0	10.2840	10.2295	0.0000	0.0000	1,780	18,305,520.00		
Dec 2018	ZACA	Future	500	10.6307	10.4973	0.0000	0.0000	0	0.00		
			<u>500</u>					<u>1,780.00</u>	<u>18,305,520.00</u>	<u>135 723.00</u>	<u>1 334 816 430.10</u>
<b>Total</b>			<b>500</b>					<b>1,780.00</b>	<b>18,305,520.00</b>	135 723.00	1 334 816 430.10
<b>Future</b>											
Jun 2018	ZAEU	Future	0	15.7361	15.6805	15.6009	15.5815	82,188	1,292,623,246.80		
Sep 2018	ZAEU	Future	134,988	16.1781	15.9642	16.0575	15.8296	10,935	173,664,097.80		
Dec 2018	ZAEU	Future	19,006	16.4787	16.2577	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	Future	4,808	16.8196	16.5889	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	17.1409	16.9072	0.0000	0.0000	0	0.00		
			<u>164,058</u>					<u>93,123.00</u>	<u>1,466,287,344.60</u>	<u>15 013 062.00</u>	<u>214 365 872 665.70</u>
<b>Option</b>											
Sep 2018	ZAEU	13.50 Put	29,734	8.9088	10.8364	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	86,688	20.6511	24.4696	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	339.5472	445.7687	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	313.0664	262.4181	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	27.7537	23.8431	0.0000	0.0000	0	0.00		
			<u>319,804</u>					<u>0.00</u>	<u>0.00</u>	<u>7 964 516.00</u>	<u>0.00</u>
<b>Total</b>			<b>483,862</b>					<b>93,123.00</b>	<b>1,466,287,344.60</b>	22 977 578.00	214 365 872 665.70
<b>Future</b>											
Sep 2018	ZAFR	Future	1,215	14.0224	13.8223	0.0000	0.0000	0	0.00		
			<u>1,215</u>					<u>0.00</u>	<u>0.00</u>	<u>612 948.00</u>	<u>6 555 963 200.80</u>

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<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>											
Jun 2018	ZAGB	Future	0	17.9593	17.9366	17.8252	17.8183	46,337	831,965,214.30		
Sep 2018	ZAGB	Future	225,462	18.4035	18.2131	18.2499	18.1272	2,177	39,473,171.70		
Dec 2018	ZAGB	Future	7,743	18.6913	18.4948	18.6453	18.6453	10	186,453.00		
Mar 2019	ZAGB	Future	4,932	19.0126	18.8077	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,543	19.3113	19.1050	0.0000	0.0000	0	0.00		
			<u>244,680</u>					<u>48,524.00</u>	<u>871,624,839.00</u>	<u>11 885 154.00</u>	<u>200 052 134 629.50</u>
<b>Total</b>			<b>244,680</b>					<b>48,524.00</b>	<b>871,624,839.00</b>	<b>13 659 267.00</b>	<b>200 052 134 629.50</b>
<b>Future</b>											
Jun 2018	ZAJY	Future	0	0.1228	0.1221	0.1216	0.1216	8,526	104,665,272.40		
Sep 2018	ZAJY	Future	115	0.1261	0.1243	0.0000	0.0000	115	1,428,576.00		
			<u>115</u>					<u>8,641.00</u>	<u>106,093,848.40</u>	<u>993 919.00</u>	<u>11 089 418 491.40</u>
<b>Total</b>			<b>115</b>					<b>8,641.00</b>	<b>106,093,848.40</b>	<b>993 919.00</b>	<b>11 089 418 491.40</b>
<b>Future</b>											
Sep 2018	ZAKS	Future	562	0.1342	0.1330	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,093	0.1333	0.1291	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>											
Jun 2018	ZATR	Future	0	2.8739	2.8430	0.0000	0.0000	7,440	21,298,166.00		
Sep 2018	ZATR	Future	12,775	2.8138	2.7700	0.0000	0.0000	3,500	9,716,000.00		
			<u>12,775</u>					<u>10,940.00</u>	<u>31,014,166.00</u>	<u>289 254.00</u>	<u>1 008 061 782.50</u>
<b>Total</b>			<b>12,775</b>					<b>10,940.00</b>	<b>31,014,166.00</b>	<b>289 254.00</b>	<b>1 008 061 782.50</b>
<b>Future</b>											
Sep 2018	ZAUM	Future	346	13.8381	13.6487	0.0000	0.0000	0	0.00		
Dec 2018	ZAUM	Future	10	13.9954	13.8018	0.0000	0.0000	0	0.00		
			<u>356</u>					<u>0.00</u>	<u>0.00</u>	<u>151 624.00</u>	<u>174 835 981 700.00</u>
<b>Total</b>			<b>356</b>					<b>0.00</b>	<b>0.00</b>	<b>156 147.00</b>	<b>174 835 981 700.00</b>
<b>Future</b>											
Jun 2018	ZAUS	Future	0	13.5623	13.4955	13.6200	13.4350	578,098	7,806,218,172.30		
Sep 2018	ZAUS	Future	566,076	13.8381	13.6487	13.8538	13.5700	182,061	2,493,896,916.80		
Dec 2018	ZAUS	Future	77,428	13.9954	13.8018	13.8000	13.7538	4,521	62,976,666.00		
Mar 2019	ZAUS	Future	5,670	14.1640	13.9645	13.9098	13.9098	10	139,098.00		
Jun 2019	ZAUS	Future	14,610	14.3203	14.1199	14.1414	14.1414	140	1,979,796.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
			663,784					764,830.00	10,365,210,649.10
									177 357 546.00
									2 097 523 722 789.20
Option									
Sep 2018	ZAUS	11.48 Put	5,200	7.2196	9.8269	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	7.4414	10.1264	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	8.6586	11.7678	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	10.8754	14.7569	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	12.6672	17.1718	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	13.6733	18.5273	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	15.9376	21.5779	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	1611.5309	1430.3705	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	23.4309	31.6705	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	25.3185	34.2120	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	28.6683	42.5855	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	1374.8142	1206.6723	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	34,000	36.7142	57.9723	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	45.3963	70.3191	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	49.0290	75.4149	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	54.2095	82.6210	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	1140.3349	985.9077	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	1115.4594	962.7828	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	86.4845	126.2138	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	956.6003	817.4382	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	812.0039	689.8579	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	180.5408	249.2658	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	778.8911	660.4280	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	190.7911	261.7280	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	746.7571	631.9803	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,500	628.0406	527.8482	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	574.5187	481.4002	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	549.1847	459.5239	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	67.3261	56.4111	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	63.2987	53.0831	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	57.9991	48.7039	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	50.9540	42.8786	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	24.4869	33.2110	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	231,517	29.8038	39.8714	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	38.6061	50.7560	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	45.6116	59.3206	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	47.1335	61.1706	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	53.6485	69.0618	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	82.5735	103.5846	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	231,517	1593.7346	1428.0961	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	12.50 Put	10,200	98.3346	126.2961	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	119.0733	155.7162	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	5,500	144.5638	186.7272	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1204.6229	1065.6197	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	180,030	209.2229	263.8197	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	239.6849	299.5225	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1068.2595	942.2033	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	279.8238	348.9384	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1035.8806	913.7614	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	371.6595	455.4990	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	231,517	889.4764	782.4690	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	748.0669	0.0000	0.0000	0.0000	100	0.00
Dec 2018	ZAUS	13.78 Put	100	532.6669	0.0000	0.0000	0.0000	100	0.00
Dec 2018	ZAUS	13.80 Call	3,264	738.7879	647.7362	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	672.5583	589.5840	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	5,500	651.7548	571.3897	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	601.0675	526.7272	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	495.6840	434.3498	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	449.0058	393.7927	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	446.2482	391.4089	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	443.5088	389.0376	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	409.5871	359.6467	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	387.8690	340.7682	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	1,600	352.3587	309.9477	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	334.0061	294.0383	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	322.3776	283.9605	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	4,080	231.3900	202.4129	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.95 Call	2,000	198.6228	174.0244	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	6.3924	7.3240	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	36.3825	51.0847	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	68.4812	91.5016	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	1147.9832	1030.5321	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	692.8725	618.4434	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Call	500	491.1216	439.4951	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	10.2530	10.6537	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	111.5002	147.2887	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	238.3668	291.3873	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	312.3416	367.1438	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	401.4307	465.9641	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	843.7879	763.2684	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	764.0205	691.1090	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	518.8522	468.0476	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	15.92	Call	911	494.6373	446.3346	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	10.75	Put	1,000	21.7569	23.0211	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	12.50	Put	1,000	203.4750	249.0886	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	15.87	Call	1,000	662.7066	608.5625	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00	Call	2,000	278.7489	252.2813	0.0000	0.0000	0	0.00	
				<u>2,195,475</u>				<u>200.00</u>	<u>0.00</u>	<u>50 117 784.00</u>	<u>0.00</u>
	<b>Total</b>			<b>2,859,259</b>				<b>765,030.00</b>	<b>10,365,210,649.10</b>	<b>227 475 330.00</b>	<b>2 097 523 722 789.20</b>

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<b>Grand Total</b>	<b>4,206,692</b>					<b>982,320.00</b>	<b>13 226 797 320.52</b>	<b>311,136,141</b>	<b>2,930,034,238,497.40</b>
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