



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 06-July-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jul 2018	DAEU	Future	34	15.9084	15.9246	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	33	15.9563	15.9721	0.0000	0.0000	0	0.00
			<u>67</u>					<i>0.00</i>	<i>0.00</i>
									<i>791 057.00</i>
									<i>11 807 017 135.60</i>
Option									
Jul 2018	DAEU	15.63 Put	10,000	59.4580	61.6106	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>
		Total	10,067					0.00	0.00
									<i>1 747 844.00</i>
									<i>11 807 017 135.60</i>
Future									
Jul 2018	DAUS	Future	0	13.5063	13.5932	0.0000	0.0000	20,300	274,180,485.00
Jul 2018	DAUS	Future	142	13.5154	13.5933	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	34	13.5224	13.6003	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	13.5294	13.6072	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	13.5363	13.6141	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	13.5381	13.6158	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	920	13.5415	13.6193	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,867	13.5485	13.6262	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	55	13.5519	13.6296	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.5711	13.6487	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	5,470	13.5746	13.6522	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	600	13.5834	13.6610	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,547	13.6027	13.6803	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	197	13.6080	13.6855	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	4,280	13.6519	13.7298	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	13.6590	13.7369	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.6993	13.7774	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.7063	13.7844	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,608	13.7098	13.7879	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	13.7116	13.7897	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	13.7326	13.8107	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	Future	700	13.7379	13.8160	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	3,363	13.7625	13.8405	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,078	13.8168	13.8949	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.8203	13.8984	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.8690	13.9472	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.8708	13.9490	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.8933	13.9716	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	13.9193	13.9977	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.9661	14.0447	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.9766	14.0551	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.0252	14.1044	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.0792	14.1593	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	54,000	14.0844	14.1646	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.1332	14.2141	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.1901	14.2722	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.2502	14.3334	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.3065	14.3908	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.3610	14.4462	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.4210	14.5074	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.4792	14.5667	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.5337	14.6222	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.5919	14.6814	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6501	14.7407	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.7007	14.7923	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.7646	14.8574	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.8768	14.9722	0.0000	0.0000	0	0.00		
			<u>181,370</u>					<u>20,300.00</u>	<u>274,180,485.00</u>	<u>10 319 061.00</u>	<u>125 597 468 862.60</u>
Option											
Jul 2018	DAUS	14.45 Put	1,500	929.3365	859.4660	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	0.5173	0.7035	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.50 Put	40,000	172.4797	143.9680	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.00 Put	500	33.2862	27.3632	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.50 Call	500	241.9136	293.1861	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	381.3629	336.9901	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	1.3054	1.9497	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	0.5972	0.7275	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	5.6019	4.7226	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	442.7168	398.0356	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	1.0562	1.5640	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.00 Put	500	90.0501	78.5722	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.65 Call	500	309.4727	353.7471	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	451.4710	411.5769	0.0000	0.0000	0	0.00		

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Aug 2018	DAUS	16.05 Call	500	8.7444	12.1986	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	4.5469	5.7928	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	209.9547	189.2415	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	131.0984	118.0499	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	356.7959	397.6997	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	497.5581	459.9744	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	26.6334	31.9521	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	12.8983	16.4465	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	170.2648	156.4177	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	538.7753	502.9026	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	401.0865	440.0728	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	46.8597	53.6465	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	29.0838	34.3839	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	23.3369	22.3238	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	580.8711	543.7566	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	38.9288	44.9134	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	4.7681	4.5614	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	19.3504	17.9908	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	783.6759	841.8166	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	201.1736	186.6486	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	568.8346	534.9587	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	429.9360	467.3459	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	63.9901	71.2829	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	45.2781	50.9421	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	493.4722	463.6916	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	144.4467	159.8963	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	291.5014	271.0338	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	332.9773	310.5137	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	321.6116	349.6622	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	302.4316	329.0903	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	227.2954	212.5654	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	592.6582	560.3540	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	457.9484	494.4076	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	81.2490	88.4608	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	60.5131	65.8694	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	253.2298	237.4290	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	482.1407	516.6347	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	274.7497	257.7934	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	503.7513	536.6511	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	295.6432	277.6193	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	523.9406	555.0176	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	316.3969	296.9304	0.0000	0.0000	0	0.00

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Apr 2019	DAUS	13.49 Call	2,500	1050.0446	1100.6169	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	542.9494	572.2746	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	335.3992	314.9969	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	560.0488	587.9576	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	351.0500	329.7719	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	572.6757	599.5233	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	529.6758	501.6856	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	347.4748	364.3642	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	369.3941	347.7362	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	597.1576	624.0143	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	384.7890	363.0810	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	615.0829	641.5152	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	399.4167	376.2609	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	637.5707	663.6619	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	413.0598	389.3887	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	653.5733	679.8430	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	424.7276	398.6919	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	671.2399	697.5472	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	433.7982	408.7053	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	689.2836	715.2570	0.0000	0.0000	0	0.00		
			<u>365,527</u>					<i>0.00</i>	<i>0.00</i>	<i>19 223 832.00</i>	<i>0.00</i>
Total			546,897					20,300.00	274,180,485.00	29 542 893.00	125 597 468 862.60
Future											
Sep 2018	EUUS	Future	175	1.1819	1.1764	1.1835	1.1787	55	649,980.00		
			<u>175</u>					<i>55.00</i>	<i>649,980.00</i>	<i>729 364.00</i>	<i>8 269 398 597.00</i>
Total			175					55.00	649,980.00	729 364.00	8 269 398 597.00
Future											
Sep 2018	ZAAD	Future	12,355	10.1245	10.1283	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	11,412	10.2448	10.2490	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	10.5042	10.5105	0.0000	0.0000	0	0.00		
			<u>28,696</u>					<i>0.00</i>	<i>0.00</i>	<i>3 683 748.00</i>	<i>31 990 969 049.30</i>
Total			28,696					0.00	0.00	3 716 125.00	31 990 969 049.30
Future											
Dec 2018	ZACA	Future	500	10.5569	10.5910	0.0000	0.0000	0	0.00		
			<u>500</u>					<i>0.00</i>	<i>0.00</i>	<i>136 153.00</i>	<i>1 339 439 627.10</i>
Total			500					0.00	0.00	136 153.00	1 339 439 627.10

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Sep 2018	ZAEU	Future	138,183	16.1130	16.1281	16.1933	16.0955	1,633	26,355,396.50		
Dec 2018	ZAEU	Future	21,688	16.4105	16.4263	16.5080	16.4039	1,222	20,119,221.80		
Mar 2019	ZAEU	Future	4,808	16.7409	16.7537	16.7642	16.7642	250	4,191,050.00		
Jun 2019	ZAEU	Future	5,256	17.0549	17.0682	17.0759	17.0759	250	4,268,975.00		
			<u>169,935</u>					<u>3,355.00</u>	<u>54,934,643.30</u>	<u>15 041 420.00</u>	<u>214 828 467 108.30</u>
Option											
Sep 2018	ZAEU	13.50 Put	29,734	4.1303	4.3433	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	86,688	9.4141	9.5396	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	284.4481	286.5505	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	210.8428	223.6442	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	8.4249	8.7834	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>
Total			489,739					3,355.00	54,934,643.30	23 005 936.00	214 828 467 108.30
Future											
Sep 2018	ZAFR	Future	1,290	13.8685	13.9046	13.9368	13.8622	305	4,228,668.50		
Dec 2018	ZAFR	Future	50	14.1375	14.1733	14.2188	14.2188	5	71,094.00		
			<u>1,340</u>					<u>310.00</u>	<u>4,299,762.50</u>	<u>613 468.00</u>	<u>6 563 208 626.30</u>
Total			1,340					310.00	4,299,762.50	613 468.00	6 563 208 626.30
Future											
Sep 2018	ZAGB	Future	226,726	18.1433	18.1819	18.1333	18.1320	600	10,879,850.00		
Dec 2018	ZAGB	Future	7,437	18.4212	18.4594	18.4417	18.4417	10	184,417.00		
Mar 2019	ZAGB	Future	4,932	18.7243	18.7618	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,543	19.0088	19.0484	0.0000	0.0000	0	0.00		
			<u>245,638</u>					<u>610.00</u>	<u>11,064,267.00</u>	<u>11 910 277.00</u>	<u>200 514 326 688.50</u>
Total			245,638					610.00	11,064,267.00	13 684 390.00	200 514 326 688.50
Future											
Sep 2018	ZAJY	Future	115	0.1240	0.1246	0.0000	0.0000	0	0.00		
			<u>115</u>					<u>0.00</u>	<u>0.00</u>	<u>993 919.00</u>	<u>11 089 418 491.40</u>
Total			115					0.00	0.00	993 919.00	11 089 418 491.40
Future											
Sep 2018	ZAKS	Future	562	0.1336	0.1344	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,093	0.1323	0.1329	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>
Total			1,655					0.00	0.00	35 358.00	476 333 960.00
Future											
Sep 2018	ZATR	Future	12,775	2.8871	2.8893	0.0000	0.0000	0	0.00		

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			12,775					0.00	0.00
		Total	12,775					0.00	0.00
								292 754.00	1 018 368 407.50
								292 754.00	1 018 368 407.50
Future									
Sep 2018	ZAUM	Future	350	13.6326	13.7103	13.7462	13.7009	15	20,587,100.00
Dec 2018	ZAUM	Future	15	13.7870	13.8651	0.0000	0.0000	0	0.00
			365					15.00	20,587,100.00
		Total	365					15.00	20,587,100.00
								151 996.00	175 349 616 090.00
								156 519.00	175 349 616 090.00
Future									
Sep 2018	ZAUS	Future	556,605	13.6326	13.7103	13.7462	13.6075	13,958	190,819,255.10
Dec 2018	ZAUS	Future	71,904	13.7870	13.8651	13.8866	13.7692	4,345	60,116,278.50
Mar 2019	ZAUS	Future	5,932	13.9505	14.0290	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	Future	14,910	14.1036	14.1840	0.0000	0.0000	0	0.00
			649,351					18,303.00	250,935,533.60
								178 411 038.00	2 112 105 098 143.20
Option									
Sep 2018	ZAUS	11.48 Put	5,200	4.1479	4.2071	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	4.2692	4.3256	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	4.9365	4.9761	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	6.1646	6.1635	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	7.1707	7.1287	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	7.7418	7.6736	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	9.0426	8.9094	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	1396.1149	1473.4025	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	13.5149	13.1025	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	14.6833	14.1861	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	19.5693	17.0943	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	1161.8578	1235.9982	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	34,000	29.2578	25.6982	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	37.5720	33.1190	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	41.1216	36.2964	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	46.2469	40.8933	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	927.1529	997.6793	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	902.4679	972.4839	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	3,750	79.4292	70.8450	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	746.9814	812.3997	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	10,000	114.3814	102.0997	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	610.1754	670.0894	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	177.5754	159.7894	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	184.8913	166.5097	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	578.8115	637.2245	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	196.2115	176.9245	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	13.50 Call	2,000	439.2495	489.6597	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	391.3223	438.4142	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	358.7223	328.1142	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	368.9873	414.4176	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	615.5347	571.0666	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	78.6530	92.0957	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	24.0576	29.7859	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	22.1400	27.5172	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	19.6779	24.5929	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	16.5196	20.8186	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	23.0609	21.8340	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	27.7380	26.2389	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	35.4790	33.5209	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	41.6528	39.3252	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	42.9969	40.5875	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	48.7602	46.0006	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	56.9127	53.6561	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	61.4195	57.8866	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	74.6253	70.2743	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1380.2473	1450.8796	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	93.2473	85.7796	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	118.2066	109.0957	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	128.9603	119.1668	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	145.1406	134.3465	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1001.2263	1064.5367	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	190,030	214.2263	199.4367	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	247.0264	230.4764	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	872.2049	930.6335	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	293.2361	273.1337	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	842.5201	899.8752	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	7,800	305.5201	284.7752	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	394.8315	369.6726	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	706.1394	757.9620	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	419.1394	392.8620	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	524.0058	493.2351	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	529.5632	498.5653	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	576.2590	621.8032	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	569.2590	536.7032	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	575.0413	542.2642	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	567.8553	612.9572	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	509.9194	551.1714	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	16,000	491.9317	532.0907	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.13 Call	20,000	448.0858	485.4852	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	388.2854	421.6640	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	374.6761	407.0977	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	359.0082	390.3054	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	320.5122	349.0414	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	318.2587	346.6281	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	316.0192	344.2327	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	298.7232	325.7016	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	288.4404	314.6719	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	270.8994	295.8353	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	16,600	242.5751	265.3549	0.0000	0.0000	10,000	0.00
Dec 2018	ZAUS	15.01 Call	10,000	240.9200	263.5698	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	228.1191	249.7669	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	219.0290	239.9515	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	172.9887	190.7777	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	1,000	170.5294	188.1073	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	147.9014	163.5301	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	0	119.9012	133.0010	0.0000	0.0000	20,000	0.00
Mar 2019	ZAUS	10.33 Put	1,000	5.4591	5.4253	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	42.4530	37.0237	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	76.0888	68.4180	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	144.2843	133.4201	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	969.1344	1019.9636	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	473.4093	445.5655	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	622.7750	589.9346	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	684.7260	650.0424	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	610.1756	646.5647	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	553.7249	587.3276	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	430.4696	457.0233	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	335.3236	357.8517	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	319.5713	341.1657	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	9.3643	9.4881	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	132.4325	119.2926	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	263.8653	244.1786	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	336.1137	315.9239	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	431.3171	407.7040	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	715.8437	680.1428	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	12,450	743.8285	707.3504	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	706.5958	740.5914	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	635.5933	666.3182	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	467.0358	490.0137	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	12,450	453.0650	476.0236	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	15.80 Call	1,000	419.2917	440.5418	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.92 Call	911	398.3961	418.5734	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	10.75 Put	1,000	20.0019	18.8955	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	12.50 Put	1,000	222.3949	203.7114	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	15.87 Call	1,000	572.0949	596.4187	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	234.3774	246.3977	0.0000	0.0000	0	0.00	
			<u>2,556,161</u>					<u>30,000.00</u>	<u>0.00</u>	<u>50 816 410.00</u>
	Total		3,205,512					48,303.00	250,935,533.60	229 227 448.00
										2 112 105 098 143.20

Grand Total			4,543,474					72,948.00	616 651 771.40	312,716,761	2,946,913,947,714.42
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