



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 23-January-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
<b>Future</b>										
Feb 2019	DAEU	Future	29	15.8681	15.8789	0.0000	0.0000	0	0.00	
Mar 2019	DAEU	Future	53	15.9621	15.9732	0.0000	0.0000	0	0.00	
Apr 2019	DAEU	Future	4	16.0177	16.0297	0.0000	0.0000	0	0.00	
Apr 2019	DAEU	Future	1	16.0538	16.0663	0.0000	0.0000	0	0.00	
			<b>87</b>					<b>0.00</b>	<b>0.00</b>	<b>816 050.00</b>
<b>Option</b>										
Feb 2019	DAEU	15.80 Put	25,000	208.1763	210.5423	0.0000	0.0000	0	0.00	
Aug 2019	DAEU	17.01 Put	16,200	1112.2389	1109.0251	0.0000	0.0000	0	0.00	
Aug 2019	DAEU	19.65 Call	62,400	129.5759	134.9191	0.0000	0.0000	0	0.00	
			<b>103,600</b>					<b>0.00</b>	<b>0.00</b>	<b>1 560 587.00</b>
<b>Total</b>			<b>103,687</b>					<b>0.00</b>	<b>0.00</b>	<b>2 376 637.00</b>
<b>Future</b>										
Jan 2019	DAGB	Future	27	18.1182	17.9774	0.0000	0.0000	0	0.00	
Feb 2019	DAGB	Future	47	18.2035	18.0620	0.0000	0.0000	0	0.00	
Mar 2019	DAGB	Future	80	18.2928	18.1508	0.0000	0.0000	0	0.00	
Apr 2019	DAGB	Future	43	18.3449	18.2035	0.0000	0.0000	0	0.00	
Apr 2019	DAGB	Future	120	18.3789	18.2378	0.0000	0.0000	0	0.00	
			<b>317</b>					<b>0.00</b>	<b>0.00</b>	<b>66 675.00</b>
<b>Total</b>			<b>317</b>					<b>0.00</b>	<b>0.00</b>	<b>273 988.00</b>
<b>Future</b>										
Jan 2019	DAUS	Future	51	13.8652	13.8869	0.0000	0.0000	0	0.00	
Jan 2019	DAUS	Future	1,018	13.8730	13.8950	0.0000	0.0000	0	0.00	
Jan 2019	DAUS	Future	1,837	13.8746	13.8966	0.0000	0.0000	418	5,819,187.00	
Feb 2019	DAUS	Future	70	13.8956	13.9177	0.0000	0.0000	0	0.00	
Feb 2019	DAUS	Future	6	13.8989	13.9210	0.0000	0.0000	0	0.00	
Feb 2019	DAUS	Future	15	13.9152	13.9374	0.0000	0.0000	0	0.00	
Feb 2019	DAUS	Future	5,759	13.9202	13.9423	0.0000	0.0000	782	10,922,585.00	
Mar 2019	DAUS	Future	74	13.9268	13.9490	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	DAUS	Future	80	13.9285	13.9506	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	13.9648	13.9871	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,228	13.9681	13.9905	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.9746	13.9971	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	260	13.9957	14.0189	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	349	14.0138	14.0375	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	15	14.0189	14.1120	0.0000	0.0000	15	211,680.00		
Apr 2019	DAUS	Future	345	14.0207	14.0444	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	238	14.0738	14.0981	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.0806	14.1051	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	333	14.1215	14.1467	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.1266	14.1519	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.1798	14.2057	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.2366	14.2626	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.2401	14.2662	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.2900	14.3158	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.3419	14.3675	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.3977	14.4255	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.4013	14.4292	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.4529	14.4815	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.5050	14.5339	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.5616	14.5910	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6181	14.6481	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.6676	14.6981	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.7325	14.7622	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.8395	14.8685	0.0000	0.0000	0	0.00		
			<u>104,593</u>					<u>1,215.00</u>	<u>16,953,452.00</u>	<u>11 034 774.00</u>	<u>135 685 881 048.60</u>
<b>Option</b>											
Jan 2019	DAUS	13.00 Put	500	1.0669	1.3873	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.80 Put	600	80.8934	84.6505	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.95 Put	731	159.0825	154.4458	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.00 Call	731	67.7885	83.1368	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.20 Call	600	27.8349	35.9373	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.20 Put	250	353.2349	339.3373	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.25 Put	250	397.5066	382.2038	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.38 Call	500	12.0633	15.9627	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.55 Call	600	5.4583	7.2261	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	15.13 Call	250	0.8007	1.0441	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	15.47 Call	250	0.2796	0.3743	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.87 Put	22,000	191.0041	186.6793	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	18.4106	19.7727	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.70 Put	600	158.0771	156.1601	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 2019	DAUS	14.20 Put	250	441.1436	431.1748	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Call	600	147.6409	159.0851	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	477.4409	466.7851	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	90.7358	98.8298	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.75 Call	600	59.0365	65.1049	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	21.9643	24.7262	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	10.2074	11.8009	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.94 Put	27,500	301.2271	295.4703	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.15 Call	27,500	45.9019	50.6354	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.88 Put	32,000	308.1321	304.1241	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	373.3953	367.1148	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	43.4836	43.1093	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.45 Put	600	139.2027	137.7077	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.87 Call	600	406.5875	425.0285	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	504.0027	495.8985	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	537.7900	529.2213	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.40 Call	600	212.5386	224.9993	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	151.6785	161.9118	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	57.0807	63.0103	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	34.3244	38.7348	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.76 Put	100	271.4057	267.8444	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.35 Call	100	249.4924	263.2309	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	80.8764	80.2502	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	737.6088	758.9652	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	558.0031	551.2774	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	590.2835	583.2156	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	203.9433	216.6332	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	96.8215	105.3681	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	68.7192	75.5336	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	114.7834	114.3386	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	606.2009	599.8115	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	637.5007	630.7985	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	251.8479	264.7444	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	135.9279	145.2084	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	102.1376	109.8399	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	143.2695	142.8928	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	642.2333	636.0055	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	672.8618	666.3240	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	287.0077	300.2378	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	166.2264	176.2171	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	129.6837	138.1355	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	279.5219	278.0107	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 2019	DAUS	16.44 Call	39,250	126.2444	134.6023	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	173.6949	173.1283	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.20 Put	250	677.8190	672.3653	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	707.8561	702.0934	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	326.9716	341.1273	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	201.2132	212.1344	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.50 Call	250	161.9326	171.5642	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,147	864.3502	857.4414	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,147	198.3615	209.2243	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	197.7460	197.0634	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	706.2542	701.3193	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	735.7259	730.5412	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	357.2074	371.2484	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	229.7262	241.0454	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	188.4061	198.7068	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	72.5760	79.1576	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	219.9186	219.1970	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	730.5477	726.1637	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	759.7436	755.1482	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	388.5920	403.0679	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	258.4572	270.5966	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	214.2673	225.4333	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	241.3906	241.3797	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	752.8939	750.0874	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	781.8358	778.8747	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	412.4292	428.1067	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	282.8281	296.3835	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	238.7605	251.3925	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	260.8583	260.6103	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	772.6485	769.3090	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	801.3894	797.8944	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	435.6545	452.4744	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	306.2654	320.9724	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	262.0763	275.8715	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	279.9767	276.8965	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	790.7911	786.9057	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	819.3029	815.2652	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	458.9455	476.7815	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	331.7825	347.1385	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	289.1445	302.6293	0.0000	0.0000	0	0.00		
			<u>314,856</u>					<u>0.00</u>	<u>0.00</u>	<u>22 258 715.00</u>	<u>0.00</u>

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
<b>Total</b>			<b>419,449</b>					<b>1,215.00</b>	<b>16,953,452.00</b>	33 293 489.00	135 685 881 048.60
<b>Future</b>											
Mar 2019	EUUS	Future	5	1.1417	1.1406	0.0000	0.0000	0	0.00		
Jun 2019	EUUS	Future	582	1.1503	1.1493	0.0000	0.0000	0	0.00		
			<u>587</u>					<i>0.00</i>	<i>0.00</i>	745 402.00	8 456 173 900.00
<b>Total</b>			<b>587</b>					<b>0.00</b>	<b>0.00</b>	745 402.00	8 456 173 900.00
<b>Future</b>											
Mar 2019	GBUS	Future	5	1.3089	1.2966	0.0000	0.0000	0	0.00		
			<u>5</u>					<i>0.00</i>	<i>0.00</i>	171 622.00	2 208 234 028.00
<b>Total</b>			<b>5</b>					<b>0.00</b>	<b>0.00</b>	171 622.00	2 208 234 028.00
<b>Future</b>											
Mar 2019	ZAAD	Future	7,452	9.9590	9.9708	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	15,741	10.0770	10.0904	0.0000	0.0000	0	0.00		
Sep 2019	ZAAD	Future	813	10.2086	10.2223	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.3351	10.3498	0.0000	0.0000	0	0.00		
			<u>24,406</u>					<i>0.00</i>	<i>0.00</i>	3 846 117.00	33 694 669 712.20
<b>Option</b>											
Dec 2019	ZAAD	11.00 Call	1,000	280.2219	288.8291	0.0000	0.0000	0	0.00		
			<u>1,000</u>					<i>0.00</i>	<i>0.00</i>	34 377.00	0.00
<b>Total</b>			<b>25,406</b>					<b>0.00</b>	<b>0.00</b>	3 880 494.00	33 694 669 712.20
<b>Future</b>											
Mar 2019	ZACA	Future	500	10.4595	10.4838	0.0000	0.0000	0	0.00		
Jun 2019	ZACA	Future	400	10.5914	10.6175	0.0000	0.0000	0	0.00		
Sep 2019	ZACA	Future	250	10.7349	10.7620	0.0000	0.0000	0	0.00		
			<u>1,150</u>					<i>0.00</i>	<i>0.00</i>	149 263.00	1 480 114 720.10
<b>Total</b>			<b>1,150</b>					<b>0.00</b>	<b>0.00</b>	149 263.00	1 480 114 720.10
<b>Future</b>											
Mar 2019	ZAEU	Future	125,614	15.9264	15.9371	15.9419	15.9419	53	844,920.70		
Jun 2019	ZAEU	Future	24,570	16.2171	16.2306	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	Future	22,079	16.5388	16.5542	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	Future	17,899	16.8476	16.8651	0.0000	0.0000	0	0.00		
			<u>190,162</u>					<i>53.00</i>	<i>844,920.70</i>	16 129 939.00	232 971 150 412.60
<b>Option</b>											
Mar 2019	ZAEU	16.00 Call	650	300.8988	313.1990	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	55,000	293.8698	302.0018	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	13.73 Put	17,150	45.8774	47.2235	0.0000	0.0000	0	0.00		

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Dec 2019	ZAEU	16.15 Put	17,150	601.4768	601.9906	0.0000	0.0000	0	0.00	
Dec 2019	ZAEU	20.62 Call	17,150	264.0733	272.1158	0.0000	0.0000	0	0.00	
			107,100					0.00	0.00	10 956 876.00
		<b>Total</b>	<b>297,262</b>					<b>53.00</b>	<b>844,920.70</b>	27 086 815.00 232 971 150 412.60
<b>Future</b>										
Mar 2019	ZAFR	Future	1,143	14.0629	14.0687	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	14.3331	14.3418	0.0000	0.0000	0	0.00	
			1,293					0.00	0.00	626 380.00 6 751 701 429.60
		<b>Total</b>	<b>1,293</b>					<b>0.00</b>	<b>0.00</b>	626 380.00 6 751 701 429.60
<b>Future</b>										
Mar 2019	ZAGB	Future	395,672	18.2590	18.1169	18.1900	18.1900	1,149	20,927,790.00	
Jun 2019	ZAGB	Future	5,764	18.5324	18.3916	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	15,609	18.8314	18.6902	0.0000	0.0000	0	0.00	
Dec 2019	ZAGB	Future	12,690	19.1142	18.9725	0.0000	0.0000	16,120	307,892,000.00	
			429,735					17,269.00	328,819,790.00	13 822 442.00 236 368 894 290.30
<b>Option</b>										
Mar 2019	ZAGB	18.00 Put	500	287.7698	353.3863	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.00 Call	2,500	169.3643	143.6229	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	1064.0077	1185.8210	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	45.3191	39.0496	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	35.6482	30.9041	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	7.2368	6.3138	0.0000	0.0000	0	0.00	
			6,500					0.00	0.00	1 783 113.00 0.00
		<b>Total</b>	<b>436,235</b>					<b>17,269.00</b>	<b>328,819,790.00</b>	15 605 555.00 236 368 894 290.30
<b>Future</b>										
Mar 2019	ZAJY	Future	10,000	0.1275	0.1283	0.0000	0.0000	10,090	129,705,744.00	
			10,000					10,090.00	129,705,744.00	1 132 337.00 51 952 149 053.60
		<b>Total</b>	<b>10,000</b>					<b>10,090.00</b>	<b>129,705,744.00</b>	1 132 337.00 51 952 149 053.60
<b>Future</b>										
Jun 2019	ZAKS	Future	2,166	0.1362	0.1359	0.0000	0.0000	0	0.00	
			2,166					0.00	0.00	38 066.00 515 662 000.00
		<b>Total</b>	<b>2,166</b>					<b>0.00</b>	<b>0.00</b>	38 066.00 515 662 000.00
<b>Future</b>										
Sep 2019	ZANZ	Future	213	9.7194	9.6428	0.0000	0.0000	0	0.00	
			213					0.00	0.00	146 359.00 1 123 547 250.60
		<b>Total</b>	<b>213</b>					<b>0.00</b>	<b>0.00</b>	166 359.00 1 123 547 250.60

<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>	
<b>Future</b>											
Mar 2019	ZASD	Future	1,200	10.2723	10.2788	0.0000	0.0000	0	0.00		
			<u>1,200</u>					<u>0.00</u>	<u>0.00</u>	<u>10 726.00</u>	<u>109 054 884.50</u>
		<b>Total</b>	<b>1,200</b>					<b>0.00</b>	<b>0.00</b>	10 726.00	109 054 884.50
<b>Future</b>											
Mar 2019	ZATR	Future	25,000	2.5487	2.5339	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>420 239.00</u>	<u>1 320 654 069.00</u>
		<b>Total</b>	<b>25,000</b>					<b>0.00</b>	<b>0.00</b>	420 239.00	1 320 654 069.00
<b>Future</b>											
Mar 2019	ZAUM	Future	422	13.9501	13.9722	0.0000	0.0000	0	0.00		
			<u>422</u>					<u>0.00</u>	<u>0.00</u>	<u>155 478.00</u>	<u>180 390 932 810.00</u>
		<b>Total</b>	<b>422</b>					<b>0.00</b>	<b>0.00</b>	160 001.00	180 390 932 810.00
<b>Future</b>											
Mar 2019	ZAUS	Future	529,306	13.9501	13.9722	14.0179	13.9283	35,649	498,483,912.00		
Jun 2019	ZAUS	Future	110,127	14.0977	14.1225	14.1000	14.1000	200	2,820,000.00		
Sep 2019	ZAUS	Future	14,290	14.2613	14.2874	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	Future	10,100	14.4173	14.4455	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	4,566	14.5871	14.6168	0.0000	0.0000	0	0.00		
			<u>668,389</u>					<u>35,849.00</u>	<u>501,303,912.00</u>	<u>194 148 976.00</u>	<u>2 339 985 680 092.10</u>
<b>Option</b>											
Mar 2019	ZAUS	10.33 Put	1,000	0.0651	0.0778	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	11.74 Put	1,000	1.4943	1.7324	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.47 Put	721	6.0754	6.7369	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.51 Put	720	6.5916	7.2893	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.80 Put	7,520	17.6701	18.6753	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.90 Put	16,000	24.5450	25.5910	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.92 Put	139,342	26.1568	27.2027	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.00 Put	15,434	33.4986	34.5129	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.05 Put	1,155	38.8836	39.8489	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.12 Put	138,000	47.5743	48.4227	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.15 Put	10,125	51.7435	52.5243	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.25 Put	225,407	67.7650	68.2291	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.33 Put	135,043	84.9311	85.0612	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.36 Put	134,750	92.0955	92.0750	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.46 Put	20,000	119.0009	118.3687	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.50 Put	17,050	131.1120	130.1888	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.55 Put	10,000	147.3655	146.0447	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.60 Put	6,570	164.8830	163.1242	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	13.62 Put	6,432	172.2466	170.3041	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	195.5725	193.0416	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	203.7632	201.0248	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	212.1589	209.2081	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	225.1409	221.8643	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	243.1741	239.4466	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.82 Put	2,100	257.2423	253.1642	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	271.7700	267.3348	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	276.7147	272.1580	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	297.0028	291.9520	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.95 Call	1,000	323.5903	340.0087	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Call	100	302.6016	318.4775	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	35,606	352.5016	346.2775	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	376.5757	369.9100	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Call	2,000	230.2010	243.8631	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.25 Call	750	214.7617	227.8760	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	535.8659	526.5552	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	200.2923	212.8650	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Put	3,000	550.1923	540.6650	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	586.6451	576.5822	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	654.4336	643.4361	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	662.1293	651.0299	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.46 Call	6,332	159.9545	170.8554	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	155.5010	166.2006	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	225,780	151.1667	161.6669	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	50	701.0667	689.4669	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	724.7886	712.8939	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	748.7652	736.5823	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	822.1446	809.1256	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,325	897.1176	883.3568	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.80 Call	2,000	98.2234	106.0936	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	956.6983	942.3916	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	965.2937	950.9123	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	973.9093	959.4523	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	982.5464	968.0143	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	1,260	73.3320	79.7814	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	1159.0744	1143.1673	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	1213.2837	1197.0056	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1231.4660	1215.0682	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1240.5768	1224.1211	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	57.2507	62.6652	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1295.5135	1278.7157	0.0000	0.0000	0	0.00



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Mar 2019	ZAUS	15.20 Put	2,500	1304.7126	1287.8605	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	53.2473	58.3860	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.25 Call	1,500	50.9842	55.9649	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1415.9854	1398.5121	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.40 Call	2,000	40.4577	44.6283	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	37.0555	40.9312	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	36.4074	40.2271	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	33.9201	37.5183	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	31.5909	34.9786	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	25.4684	28.2825	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	19.3785	21.5918	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	18.6795	20.8211	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	16.7227	18.6619	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	13.6312	15.2424	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	10.6805	11.9674	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.18 Call	1,800	9.7181	10.8963	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	7.7372	8.6877	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	6.6403	7.4618	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	4.5182	5.0837	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	4.3467	4.8912	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	3.0014	3.3511	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	2.9912	3.3384	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	2.9417	3.2770	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	2.8864	3.2080	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	2.8774	3.1970	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	2.8687	3.1861	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	2.7646	3.0558	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	2.7153	2.9936	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	2.5964	2.8423	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	2.4096	2.5946	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	1.5462	1.6628	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	3.1683	3.4888	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	39.8269	40.3427	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	82.6366	82.2594	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	125.1993	124.5971	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	129.5213	128.8946	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	189.8710	188.8647	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	1,282	192.7379	191.7112	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	421.3342	417.7041	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	446.3063	442.3681	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	616.2371	636.4546	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	143,900	509.3440	504.6295	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	14.07 Put	39,589	548.0923	542.9130	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	624.9946	618.9231	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,282	655.9584	649.5380	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	443.8176	461.0011	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	393.9270	409.9880	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	911.8218	902.7364	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	926.2112	916.9892	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	329.5369	343.9925	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,500	268.2398	281.3136	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	228.7072	240.7513	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	145,182	201.1174	212.3698	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	183.6744	194.3506	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	180.9245	191.5056	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	160.4376	170.2909	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	150.0113	159.4750	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	146.7000	156.0368	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	138.2481	147.2521	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	129.3656	138.0050	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	40.8742	45.9493	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	7.3302	7.4917	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	104.9520	103.8796	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	283.7036	282.8061	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	560.9478	557.0553	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	592.2068	588.0976	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	657.2597	652.7095	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	725.5913	720.5867	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	797.1599	791.6032	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1538.2804	1527.4975	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1682.0302	1670.4975	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	326.8859	340.9268	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	166.6700	175.4854	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	143.5436	151.7849	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	133.5962	141.5718	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	130.0972	137.9775	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.29 Call	81,930	116.0813	123.5653	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	110.0111	117.3136	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.63 Call	33,715	102.3479	111.1261	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	66.4026	72.9088	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	42.6960	39.6977	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	505.4458	504.2845	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	709.0956	705.4481	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	330.3031	345.5549	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	17.38	Call	1,000	270.8909	283.7353	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00	Call	2,000	98.2879	108.6961	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	11.91	Put	1,000	57.8523	56.1166	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.01	Put	1,000	733.6693	729.2870	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.73	Call	1,000	375.6644	390.5300	0.0000	0.0000	0	0.00	
				<u>4,964,035</u>				<u>0.00</u>	<u>0.00</u>	<u>63 952 634.00</u>	<u>0.00</u>
	<b>Total</b>			<b>5,632,424</b>				<b>35,849.00</b>	<b>501,303,912.00</b>	<b>258 101 610.00</b>	<b>2 339 985 680 092.10</b>

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<b>Grand Total</b>	<b>6,956,816</b>	<b>64,476.00</b>	<b>977 627 818.70</b>	<b>352,999,964</b>	<b>3,289,911,444,319.23</b>
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