



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 08-April-2019

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Apr 2019	DAEU	Future	4	15.9199	15.8147	0.0000	0.0000	0	0.00		
Apr 2019	DAEU	Future	1	15.9558	15.8500	0.0000	0.0000	0	0.00		
May 2019	DAEU	Future	2	16.0688	15.9630	0.0000	0.0000	0	0.00		
			<u>7</u>					<i>0.00</i>	<i>0.00</i>	<i>816 216.00</i>	<i>12 205 897 911.20</i>
Option											
Feb 2020	DAEU	16.65 Call	21,000	1043.7073	1002.8466	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	16.91 Call	15,000	931.5284	895.8802	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	17.00 Call	15,000	895.6749	861.7112	0.0000	0.0000	0	0.00		
Feb 2020	DAEU	17.07 Call	15,000	868.7551	836.0611	0.0000	0.0000	0	0.00		
			<u>66,000</u>					<i>0.00</i>	<i>0.00</i>	<i>1 812 387.00</i>	<i>0.00</i>
	Total		66,007					0.00	0.00	2 628 603.00	12 205 897 911.20
Future											
Apr 2019	DAGB	Future	43	18.4341	18.3306	0.0000	0.0000	0	0.00		
Apr 2019	DAGB	Future	120	18.4687	18.3648	0.0000	0.0000	25	463,135.00		
Apr 2019	DAGB	Future	27	18.4781	18.3741	0.0000	0.0000	0	0.00		
May 2019	DAGB	Future	91	18.5774	18.4735	0.0000	0.0000	0	0.00		
			<u>281</u>					<i>25.00</i>	<i>463,135.00</i>	<i>67 204.00</i>	<i>1 127 816 817.20</i>
	Total		281					25.00	463,135.00	274 517.00	1 127 816 817.20
Future											
Apr 2019	DAUS	Future	1,883	14.1255	14.0769	0.0000	0.0000	66	933,702.00		
Apr 2019	DAUS	Future	349	14.1439	14.0953	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	15	14.1490	14.1003	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	4,563	14.1507	14.1020	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	303	14.1621	14.1138	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	25,000	14.1654	14.1171	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	93	14.1721	14.1239	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	2	14.1755	14.1272	0.0000	0.0000	4,320	61,331,040.00		
May 2019	DAUS	Future	387	14.1989	14.1508	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>		
May 2019	DAUS	Future	452	14.2022	14.1541	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	74	14.2089	14.1609	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	2,421	14.2493	14.2015	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.2544	14.2066	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	1,029	14.3058	14.2572	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.3076	14.2589	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	2,229	14.3575	14.3085	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.3627	14.3136	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	74	14.3661	14.3171	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	3,757	14.3815	14.3325	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	98	14.4104	14.3616	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.4138	14.3651	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	153	14.4648	14.4161	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	Future	97	14.5159	14.4656	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.5211	14.4706	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	321	14.5246	14.4740	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	45	14.5715	14.5215	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.5750	14.5251	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.6258	14.5773	0.0000	0.0000	0	0.00		
Feb 2020	DAUS	Future	3,500	14.6767	14.6283	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.6822	14.6337	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.7379	14.6882	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.7878	14.7374	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.8519	14.7997	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.9587	14.9053	0.0000	0.0000	0	0.00		
			<u>132,450</u>					<u>4,386.00</u>	<u>62,264,742.00</u>	<u>12 061 136.00</u>	<u>150 317 822 475.10</u>
Option											
Apr 2019	DAUS	14.40 Call	20,000	45.1459	42.9743	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.44 Call	60,000	38.4343	36.5418	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.45 Call	40,000	36.9096	35.0756	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Call	25,000	134.0018	126.2229	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.50 Call	50,000	51.1663	52.2056	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.55 Call	25,000	43.0667	44.7507	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	3.1675	3.9908	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	672.0475	629.5998	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.95 Put	734	104.8407	131.6539	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Call	734	175.4881	165.8525	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.20 Put	250	224.7881	263.8525	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.25 Put	250	255.6059	296.4186	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.45 Call	734	96.6885	94.0091	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	36.2167	37.0076	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	15.61 Call	250	4.0135	4.2893	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>
Apr 2019	DAUS	15.96 Call	250	1.9100	2.0593	0.0000	0.0000	0	0.00
May 2019	DAUS	13.75 Put	22,000	65.0322	86.0453	0.0000	0.0000	0	0.00
May 2019	DAUS	13.72 Call	50,000	510.2882	482.8356	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Call	50,000	220.7195	213.0183	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Call	61,000	260.9775	252.1799	0.0000	0.0000	0	0.00
May 2019	DAUS	15.25 Call	40,000	52.7739	54.6323	0.0000	0.0000	0	0.00
May 2019	DAUS	15.50 Call	21,000	35.0715	37.2063	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	16.8199	21.8651	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	335.7964	372.2252	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	364.8045	402.4028	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	114.9516	114.7787	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	37.4299	38.4944	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	20.0373	20.9498	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.83 Put	45,000	190.8840	217.0400	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.06 Put	18,000	288.1535	319.6761	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.15 Put	18,000	332.7558	366.1820	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	18,000	387.7874	424.7058	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	33.0722	44.8688	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.02 Put	29,000	302.3192	334.4312	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	391.9998	427.1466	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	419.1764	456.3896	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	160.9195	160.6401	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.33 Call	29,000	136.2297	136.7849	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	69.8762	71.9647	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	47.3567	49.8301	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	59.5672	74.1533	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	440.6347	477.9108	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	467.4102	505.3953	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	207.1077	207.9017	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	106.2173	108.8037	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	78.9519	81.8114	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	618.5350	661.1759	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	107.4324	110.1723	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	83.1319	99.4664	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	477.4002	515.9594	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	503.8869	543.1469	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	239.8183	241.2005	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	134.6482	137.3764	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	104.2770	107.1957	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	34.8285	36.5419	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	106.0033	123.3478	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	508.0948	547.4642	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Sep 2019	DAUS	14.25 Put	250	534.3120	574.3711	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	272.1941	274.3240	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	162.8635	165.7034	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	128.9308	131.8019	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	127.4363	144.7307	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	537.6436	575.6584	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	563.7322	602.4004	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	301.1227	302.1978	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	189.1406	191.1375	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	153.7894	155.9208	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	146.0550	162.9687	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	561.3490	598.3606	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	587.3304	624.9889	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	327.3166	326.6483	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	213.1972	214.0915	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	176.6895	177.8972	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	163.9114	181.1662	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	584.0350	619.4715	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	609.8864	645.9232	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	352.3877	350.4975	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	238.2142	238.3122	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	200.6798	201.2890	0.0000	0.0000	0	0.00		
			<u>672,496</u>					<u>0.00</u>	<u>0.00</u>	<u>24 509 894.00</u>	<u>0.00</u>
Total			804,946					4,386.00	62,264,742.00	36 571 030.00	150 317 822 475.10
Future											
Jun 2019	EUUS	Future	5	1.1328	1.1291	0.0000	0.0000	0	0.00		
Sep 2019	EUUS	Future	143	1.1417	1.1380	0.0000	0.0000	0	0.00		
			<u>148</u>					<u>0.00</u>	<u>0.00</u>	<u>746 137.00</u>	<u>8 464 558 774.00</u>
Total			148					0.00	0.00	746 137.00	8 464 558 774.00
Future											
Jun 2019	GBUS	Future	5	1.3090	1.3061	0.0000	0.0000	0	0.00		
			<u>5</u>					<u>0.00</u>	<u>0.00</u>	<u>176 170.00</u>	<u>2 268 656 737.00</u>
Total			5					0.00	0.00	176 170.00	2 268 656 737.00
Future											
Jun 2019	ZAAD	Future	15,806	10.1470	10.0866	0.0000	0.0000	0	0.00		
Sep 2019	ZAAD	Future	1,731	10.2818	10.2199	0.0000	0.0000	0	0.00		
Dec 2019	ZAAD	Future	400	10.4123	10.3485	0.0000	0.0000	0	0.00		
			<u>17,937</u>					<u>0.00</u>	<u>0.00</u>	<u>3 874 344.00</u>	<u>33 983 842 868.50</u>

<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>	
Option											
Dec 2019	ZAAD	11.00 Call	1,000	224.9254	215.5191	0.0000	0.0000	0	0.00		
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	<u>34 377.00</u>	<u>0.00</u>
		Total	18,937					0.00	0.00	3 908 721.00	33 983 842 868.50
Future											
Jun 2019	ZACA	Future	2,600	10.6932	10.6213	0.0000	0.0000	0	0.00		
Sep 2019	ZACA	Future	1,165	10.8377	10.7642	0.0000	0.0000	0	0.00		
			<u>3,765</u>					<u>0.00</u>	<u>0.00</u>	<u>157 848.00</u>	<u>1 572 976 480.10</u>
		Total	3,765					0.00	0.00	157 848.00	1 572 976 480.10
Future											
Jun 2019	ZADK	Future	485	2.1595	2.1454	0.0000	0.0000	0	0.00		
			<u>485</u>					<u>0.00</u>	<u>0.00</u>	<u>14 560.00</u>	<u>314 568 939.00</u>
		Total	485					0.00	0.00	14 560.00	314 568 939.00
Future											
Jun 2019	ZAEU	Future	120,634	16.1145	16.0087	16.0840	16.0840	1	16,084.00		
Sep 2019	ZAEU	Future	42,882	16.4249	16.3161	16.3781	16.3781	46	753,392.60		
Dec 2019	ZAEU	Future	32,686	16.7210	16.6081	0.0000	0.0000	0	0.00		
Mar 2020	ZAEU	Future	4,361	17.0451	16.9313	0.0000	0.0000	0	0.00		
			<u>200,563</u>					<u>47.00</u>	<u>769,476.60</u>	<u>16 697 406.00</u>	<u>242 262 897 657.30</u>
Option											
Jun 2019	ZAEU	15.35 Put	570	105.9736	141.4480	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	16.64 Call	300	225.4791	210.2792	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	16.73 Put	500	819.4639	912.0256	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	15.62 Put	14,429	266.5544	315.4141	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	15.85 Put	587	353.4698	410.1320	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.27 Call	14,429	190.7756	184.0453	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	13.73 Put	17,150	35.3238	41.8318	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	14.09 Put	136,646	56.3262	66.6027	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	14.23 Put	61,500	66.9416	79.0516	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	15.70 Put	136,646	338.4816	385.4425	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	15.85 Put	61,500	389.9480	442.6923	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	16.15 Put	17,150	516.6784	579.4456	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	19.79 Call	136,646	192.6423	188.1906	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	19.80 Call	61,500	191.8216	187.4060	0.0000	0.0000	0	0.00		
Dec 2019	ZAEU	20.62 Call	17,150	150.4045	150.4975	0.0000	0.0000	0	0.00		
			<u>676,703</u>					<u>0.00</u>	<u>0.00</u>	<u>12 048 500.00</u>	<u>0.00</u>
		Total	877,266					47.00	769,476.60	28 745 906.00	242 262 897 657.30

<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>	
Future											
Jun 2019	ZAFR	Future	993	14.3298	14.2701	0.0000	0.0000	0	0.00		
Sep 2019	ZAFR	Future	300	14.6201	14.5584	0.0000	0.0000	0	0.00		
			<u>1,293</u>					<u>0.00</u>	<u>0.00</u>	<u>632 902.00</u>	<u>6 845 970 775.90</u>
		Total	1,293					0.00	0.00	632 902.00	6 845 970 775.90
Future											
Jun 2019	ZAGB	Future	118,481	18.6212	18.5175	0.0000	0.0000	3,140	58,481,072.00		
Sep 2019	ZAGB	Future	21,418	18.9181	18.8114	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	Future	12,845	19.1980	19.0877	0.0000	0.0000	0	0.00		
Mar 2020	ZAGB	Future	4,674	19.5012	19.3896	0.0000	0.0000	0	0.00		
			<u>157,418</u>					<u>3,140.00</u>	<u>58,481,072.00</u>	<u>14 678 140.00</u>	<u>252 429 208 474.80</u>
		Total	157,418					3,140.00	58,481,072.00	14 678 140.00	252 429 208 474.80
Option											
Jun 2019	ZAGB	18.00 Call	1,000	848.0365	792.8751	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	19.15 Put	500	885.2813	970.8207	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	18.75 Put	500	735.3435	801.3027	0.0000	0.0000	0	0.00		
Dec 2019	ZAGB	22.13 Call	500	238.2785	234.5181	0.0000	0.0000	0	0.00		
			<u>2,500</u>					<u>0.00</u>	<u>0.00</u>	<u>1 790 813.00</u>	<u>0.00</u>
		Total	159,918					3,140.00	58,481,072.00	16 468 953.00	252 429 208 474.80
Future											
Jun 2019	ZAKS	Future	2,166	0.1400	0.1393	0.0000	0.0000	0	0.00		
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>	<u>515 662 000.00</u>
		Total	2,166					0.00	0.00	38 066.00	515 662 000.00
Future											
Sep 2019	ZANZ	Future	646	9.7345	9.6784	0.0000	0.0000	0	0.00		
			<u>646</u>					<u>0.00</u>	<u>0.00</u>	<u>146 792.00</u>	<u>1 127 677 204.60</u>
		Total	646					0.00	0.00	146 792.00	1 127 677 204.60
Future											
Jun 2019	ZATR	Future	3,646	2.3861	2.4121	0.0000	0.0000	0	0.00		
			<u>3,646</u>					<u>0.00</u>	<u>0.00</u>	<u>556 277.00</u>	<u>1 668 453 313.10</u>
		Total	3,646					0.00	0.00	556 277.00	1 668 453 313.10
Future											
Jun 2019	ZAUM	Future	485	14.2257	14.1778	0.0000	0.0000	0	0.00		
			<u>485</u>					<u>0.00</u>	<u>0.00</u>	<u>156 738.00</u>	<u>182 213 919 840.00</u>
		Total	485					0.00	0.00	156 738.00	182 213 919 840.00

Future

<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	Future	860,922	14.2257	14.1778	14.2778	14.1920	37,848	538,460,671.70
Sep 2019	ZAUS	Future	26,769	14.3866	14.3376	14.3592	14.3421	34	488,041.80
Dec 2019	ZAUS	Future	22,753	14.5403	14.4898	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	Future	10,345	14.7075	14.6584	0.0000	0.0000	711	10,439,613.00
Jun 2020	ZAUS	Future	700	14.8707	14.8180	0.0000	0.0000	0	0.00
			<u>921,489</u>					<u>38,593.00</u>	<u>549,388,326.50</u>
									<u>202 505 700.00</u>
									<u>2 459 341 148 564.10</u>

Option

Jun 2019	ZAUS	10.69 Put	1,000	0.2842	0.4153	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	4.7844	6.6091	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.65 Put	1,050	7.9163	10.9166	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	9.1549	12.6092	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.92 Put	2,100	16.2022	23.4684	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	20.3819	28.6982	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	165,703	21.9472	30.6281	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.10 Put	14,000	31.2191	41.8144	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.22 Put	122,704	45.9580	59.0049	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	48.8433	62.3110	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.25 Put	4,582	50.3342	64.0123	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.28 Put	122,704	55.0077	69.3216	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.30 Put	143,800	58.2927	73.0326	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.35 Put	4,317	67.1239	82.9305	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.50 Call	7,500	824.9510	795.8470	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Call	700	750.5583	723.9236	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.60 Put	700	124.8583	146.1236	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	199.6980	226.5561	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.90 Call	100	552.7693	533.3511	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.91 Put	1,000	231.1571	259.8652	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	506.7155	489.0804	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Call	20,000	495.6456	478.4441	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.00 Put	301,700	269.9456	300.6441	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.06 Put	2,100	297.7954	329.7610	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.07 Put	39,589	302.5909	334.7638	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.20 Put	13,600	368.8729	403.5843	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.25 Put	1,982	396.2800	433.2529	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.30 Put	30,000	425.9494	463.9069	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.35 Call	1,050	332.3240	323.3143	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	306.8929	299.1038	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.44 Put	31,500	514.2631	554.7029	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	255.4117	250.0425	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	645.3842	688.5701	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.65 Put	1,000	659.8718	703.3084	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.66 Call	122,704	232.8615	228.5196	0.0000	0.0000	0	0.00

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Jun 2019	ZAUS	14.72 Call	122,704	217.2278	213.5806	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.75 Call	1,000	209.8019	206.4802	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.78 Call	250	202.6240	199.6130	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	193.4323	190.8105	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.00 Call	17,500	156.8299	155.6272	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	2,900	139.4220	138.9356	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.30 Call	14,000	110.2775	110.8801	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.32 Call	1,980	107.7318	108.4210	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.50 Call	146,182	87.4059	88.7259	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.58 Call	1,380	79.7106	81.2346	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.60 Call	143,800	77.9017	79.4704	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.64 Call	39,589	74.4140	75.7270	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.66 Call	122,704	72.6306	73.9221	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.73 Call	122,704	66.4314	67.9372	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	60.7544	62.4412	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.89 Call	6,800	54.1586	56.0323	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	52.1227	54.0484	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	5,020	47.0610	49.1013	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.09 Call	6,800	41.9545	44.0891	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	4.4095	4.7964	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	4.2999	5.0511	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	45.6971	53.9293	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.87 Put	9,783	78.3217	91.3904	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.02 Put	17,287	98.9427	116.1210	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.15 Put	11,333	122.9159	142.3821	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.25 Put	3,900	144.0272	165.2918	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.65 Call	5,666	990.7148	971.4694	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.70 Put	2,000	272.2030	302.9048	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.77 Put	28,500	298.8105	330.8023	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.80 Put	14,000	310.6686	343.2072	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.90 Put	5,908	352.1750	386.4691	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.92 Put	2,149	360.8407	395.4769	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	383.0343	418.5040	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.00 Put	1,000	396.7078	432.6677	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.12 Put	177	454.0775	491.9106	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	499.8673	539.0101	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.30 Put	9,783	547.9678	588.3363	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.36 Put	111	581.2899	622.5804	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.46 Put	17,287	639.9377	683.0404	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Call	14,000	550.9913	545.5308	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.50 Put	14,000	664.3913	707.9308	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.65 Put	3,000	759.6924	804.7359	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 2019	ZAUS	14.70 Put	1,000	792.6737	838.1669	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.82 Put	1,000	874.1729	920.6453	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.85 Put	3,000	895.0473	941.7444	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.00 Call	750	388.8289	387.5258	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.03 Call	177	380.8067	379.6793	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.16 Call	111	348.1724	348.0183	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1293.3263	1343.3017	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.51 Call	28,500	274.9083	276.4051	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1439.3141	1489.9863	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	216.9181	218.7263	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.66 Call	2,149	129.0444	131.7781	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	16.67 Call	14,000	128.2290	130.9683	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.12 Call	17,287	97.0907	99.8476	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.18 Call	9,783	93.6568	96.4006	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	90.9066	94.1270	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	76.8382	80.4739	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	71.1473	74.8083	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	69.1800	72.8454	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	58.2545	61.9142	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	24.5060	28.6105	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	12.87 Put	139,860	129.2579	144.4296	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.00 Put	49,600	154.2788	171.4996	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.03 Put	69,000	160.5128	178.2168	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	335.7273	362.8988	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.80 Put	500	386.7586	417.6346	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.94 Put	139,860	447.1521	480.0876	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.00 Put	34,000	474.5409	508.3184	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.07 Put	1,351	507.6091	542.3444	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.08 Put	4,150	512.4319	547.2990	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.10 Put	52,300	522.1456	557.2836	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.11 Put	24,055	527.0409	562.3089	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.12 Put	69,000	531.9604	567.3577	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	14.41 Put	49,600	684.8133	723.7534	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	15.80 Call	250	394.9128	393.2455	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.13 Call	52,300	335.2383	334.1545	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.20 Call	50,100	323.6079	322.7163	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.25 Call	26,000	315.5844	314.8255	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.35 Call	4,150	300.2154	299.6951	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.37 Call	500	297.2451	296.7741	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.55 Call	24,055	272.0057	271.9048	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.85 Call	1,351	235.3418	235.7174	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	16.99 Call	69,000	220.2720	220.8196	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 2019	ZAUS	17.02 Call	139,860	217.1951	217.7775	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	17.38 Call	1,000	184.0958	184.9947	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	66.0779	66.2311	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	11.91 Put	1,000	41.9437	48.4844	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	12.96 Put	277,778	193.8452	210.3213	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	13.06 Put	275,862	217.6859	235.2069	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	13.19 Put	272,897	251.5120	270.3935	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	13.78 Put	60,000	441.9330	468.1114	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.01 Put	1,000	536.8893	566.0599	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.40 Put	277,778	733.7155	767.4619	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.51 Put	275,862	794.7583	829.6855	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	14.66 Put	272,897	881.6887	918.1423	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	16.60 Call	277,778	414.0315	410.8454	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	16.81 Call	275,862	381.3506	378.7834	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.04 Call	272,897	349.1484	347.1649	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.73 Call	1,000	273.9554	274.9198	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	17.88 Call	60,000	265.0257	266.0972	0.0000	0.0000	0	0.00	
Jun 2020	ZAUS	11.90 Put	900	63.8115	74.4256	0.0000	0.0000	0	0.00	
Jun 2020	ZAUS	14.25 Put	900	700.7407	751.4404	0.0000	0.0000	0	0.00	
Jun 2020	ZAUS	17.26 Call	900	456.9762	470.5337	0.0000	0.0000	0	0.00	
			<u>5,895,892</u>					<i>0.00</i>	<i>0.00</i>	<i>71 665 316.00</i>
		Total	6,817,381					38,593.00	549,388,326.50	274 171 016.00
		Grand Total	8,757,375					46,191.00	671 366 752.10	374,807,879
										3,410,607,498,168.72