



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 04-September-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	642.4662	602.2270	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>25 000.00</u>	<u>7 830 750.00</u>
		Total	25,000					0.00	0.00	25 000.00	7 830 750.00
Future											
Sep 2018	DAEU	Future	34	17.6010	17.2860	0.0000	0.0000	0	0.00		
			<u>34</u>					<u>0.00</u>	<u>0.00</u>	<u>801 260.00</u>	<u>11 964 751 196.80</u>
Option											
Aug 2019	DAEU	16.03 Put	31,200	253.5599	255.7284	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	30,200	293.9212	298.4106	0.0000	0.0000	122,800	0.00		
Aug 2019	DAEU	17.01 Put	31,200	481.6223	0.0000	0.0000	0.0000	31,200	0.00		
Aug 2019	DAEU	19.65 Call	62,400	1227.9203	1017.1452	0.0000	0.0000	0	0.00		
			<u>155,000</u>					<u>154,000.00</u>	<u>0.00</u>	<u>1 297 987.00</u>	<u>0.00</u>
		Total	155,034					154,000.00	0.00	2 099 247.00	11 964 751 196.80
Future											
Sep 2018	DAGB	Future	14	19.6177	19.2277	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	48	19.6808	19.2875	0.0000	0.0000	0	0.00		
			<u>62</u>					<u>0.00</u>	<u>0.00</u>	<u>53 817.00</u>	<u>883 082 673.80</u>
		Total	62					0.00	0.00	261 130.00	883 082 673.80
Future											
Sep 2018	DAUS	Future	300	15.2286	14.8659	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	15.2671	14.9044	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,673	15.2737	14.9105	0.0000	0.0000	1,260	19,062,708.00		
Oct 2018	DAUS	Future	55	15.2824	14.9186	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	15.3146	14.9492	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	15.3315	14.9655	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	15.3400	14.9737	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	4,847	15.3443	14.9778	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	55	15.3464	14.9798	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	15.3715	15.0036	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	420	15.3777	15.0094	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	15.4047	15.0348	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	7,449	15.4068	15.0368	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,387	15.4706	15.0986	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	15.4747	15.1026	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	15.5322	15.1586	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	15.5342	15.1606	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	15.5609	15.1866	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	15.5918	15.2166	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	15.6476	15.2707	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	400	15.6517	15.2747	0.0000	0.0000	400	6,243,840.00		
Apr 2019	DAUS	Future	55	15.6600	15.2828	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	15.7179	15.3389	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	15.7821	15.4010	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	15.8485	15.4654	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	15.9154	15.5304	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	15.9844	15.5974	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	16.0543	15.6654	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	16.1226	15.7318	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	16.1980	15.8050	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	16.2710	15.8759	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	16.3393	15.9422	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	16.4123	16.0132	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	16.4854	16.0841	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	16.5490	16.1458	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	16.6291	16.2236	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	16.7610	16.3517	0.0000	0.0000	0	0.00		
			<u>118,438</u>					<u>1,660.00</u>	<u>25,306,548.00</u>	<u>10 583 940.00</u>	<u>129 237 762 977.80</u>
Option											
Sep 2018	DAUS	13.43 Put	10,000	0.1074	0.1409	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.44 Put	15,000	0.1088	0.1488	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	12.90 Put	100	0.0000	0.0006	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.09 Put	600	0.0002	0.0075	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.32 Call	600	1908.5050	1547.9970	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.45 Call	100	1778.5220	1418.1716	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Call	100	1428.9796	1069.5718	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.90 Call	600	1329.2973	970.6492	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	14.45 Call	20,000	788.9502	452.2885	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.30 Put	747	0.5261	2.0751	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	14.65 Put	0	48.5888	0.0000	0.0000	0.0000	40,000	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	DAUS	14.95 Put	20,000	131.5912	0.0000	0.0000	0.0000	20,000	0.00
Sep 2018	DAUS	15.00 Call	7,500	433.6384	0.0000	0.0000	0.0000	15,000	0.00
Sep 2018	DAUS	14.48 Put	40,000	74.0497	133.6144	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	3.6974	3.3390	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	1506.7849	1153.7492	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	13.9202	24.5133	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	48.5794	79.5452	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.54 Call	250	830.0443	536.9348	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	129.6119	62.8636	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	69.9074	27.2480	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	18.7299	15.7747	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	1389.6344	1049.9856	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	19.3121	18.4437	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	54.5569	74.2171	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	1485.4958	1144.9017	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	128.0761	174.3701	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	920.0580	648.0916	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	250.4327	151.7213	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	170.7354	97.7954	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.85 Put	1,100	324.2551	0.0000	0.0000	0.0000	1,100	0.00
Nov 2018	DAUS	15.50 Call	1,100	516.3373	0.0000	0.0000	0.0000	1,100	0.00
Nov 2018	DAUS	11.90 Put	1,880	5.2070	4.7669	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	68.5101	91.9527	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	215.8496	128.9415	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	2.6260	1.5690	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	5.5890	4.7108	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	2193.8064	1826.4250	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	962.0765	695.8627	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	950.1451	685.8532	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	864.5245	614.7663	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	376.8245	495.3663	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	903.8493	648.8066	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	1053.8862	777.1520	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	32.8929	35.9502	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	93.8838	118.9245	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	1470.6751	1142.8650	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	184.1766	237.2936	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	964.8547	706.1702	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	327.3178	215.2393	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	235.0961	149.1598	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	88.5706	103.3823	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	115.1184	146.3239	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	15.08 Call	7,500	872.1888	636.7529	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	621.5717	439.1497	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	53.3651	62.2214	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	61.2690	71.2852	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	1138.0688	865.7581	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	1084.5524	821.0359	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	42.7658	51.1919	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	124.9990	156.5603	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	1468.0883	1154.8213	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	225.8442	286.4955	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	495.1712	620.8484	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	382.4000	264.9742	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	282.7184	191.1225	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	26.8107	36.2354	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	48.5565	66.3388	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	265.2712	331.7464	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	1460.4885	1161.3394	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	1034.0837	799.3436	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	52.2886	76.6676	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	297.8437	368.0003	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	1462.2162	1175.2406	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	1066.2612	837.6229	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	60.7388	87.1799	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	327.7523	399.4388	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	1463.3459	1187.7731	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	1091.3739	867.3599	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	66.7690	94.1196	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	2373.4316	2039.7633	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	356.8183	429.7829	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	1463.8006	1199.3520	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	1116.0829	895.1758	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	68.0135	105.9258	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	384.2401	457.3362	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	1467.2881	1212.3961	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	1139.2575	920.9733	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	70.7496	112.0261	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	405.8458	479.7041	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	1473.9904	1224.2160	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	1157.6824	942.2080	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	154.2762	209.5419	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	1013.0580	820.0280	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	78.7366	113.1504	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	14.25 Put	250	425.7910	502.2071	0.0000	0.0000	0	0.00			
Jul 2019	DAUS	15.34 Call	500	1492.5407	1246.3565	0.0000	0.0000	0	0.00			
Jul 2019	DAUS	16.14 Call	250	1186.3062	972.6070	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	14.48 Put	3,950	522.7881	606.9630	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	16.35 Call	3,950	1151.1880	944.4302	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	13.00 Put	500	75.7519	117.2729	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	14.25 Put	250	436.1262	521.9975	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	15.52 Call	500	1500.0764	1258.5509	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	16.33 Call	250	1203.4870	991.9177	0.0000	0.0000	0	0.00			
Sep 2019	DAUS	13.00 Put	500	81.0713	121.7125	0.0000	0.0000	0	0.00			
Sep 2019	DAUS	14.25 Put	250	452.2735	540.8850	0.0000	0.0000	0	0.00			
Sep 2019	DAUS	15.68 Call	500	1530.9633	1289.2862	0.0000	0.0000	0	0.00			
Sep 2019	DAUS	16.50 Call	250	1240.8093	1027.7506	0.0000	0.0000	0	0.00			
Oct 2019	DAUS	13.00 Put	500	109.0902	120.3412	0.0000	0.0000	0	0.00			
Oct 2019	DAUS	14.25 Put	250	476.1978	558.5844	0.0000	0.0000	0	0.00			
Oct 2019	DAUS	15.87 Call	500	1555.3897	1310.4179	0.0000	0.0000	0	0.00			
Oct 2019	DAUS	16.70 Call	250	1271.7881	1057.1921	0.0000	0.0000	0	0.00			
Nov 2019	DAUS	13.00 Put	500	130.0102	144.8834	0.0000	0.0000	0	0.00			
Nov 2019	DAUS	14.25 Put	250	494.3484	575.2993	0.0000	0.0000	0	0.00			
Nov 2019	DAUS	16.03 Call	500	1584.4674	1336.3206	0.0000	0.0000	0	0.00			
Nov 2019	DAUS	16.87 Call	250	1305.3167	1088.2528	0.0000	0.0000	0	0.00			
Dec 2019	DAUS	13.00 Put	500	149.5817	164.4085	0.0000	0.0000	0	0.00			
Dec 2019	DAUS	14.25 Put	250	515.0364	590.4178	0.0000	0.0000	0	0.00			
Dec 2019	DAUS	16.21 Call	500	1614.8955	1362.8057	0.0000	0.0000	0	0.00			
Dec 2019	DAUS	17.05 Call	250	1342.2685	1122.8842	0.0000	0.0000	0	0.00			
			<u>522,510</u>					<u>77,200.00</u>	<u>0.00</u>	<u>20 115 267.00</u>	<u>0.00</u>	
Total			640,948					78,860.00	25,306,548.00	30 699 207.00	129 237 762 977.80	
Option	Sep 2018	DAYJ	8.26 Call	25,000	0.3585	0.8798	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>50 000.00</u>	<u>0.00</u>	
Total			25,000					0.00	0.00	50 000.00	0.00	
Future	Sep 2018	EUUS	Future	7,143	1.1566	1.1634	0.0000	0.0000	0	0.00		
			<u>7,143</u>					<u>0.00</u>	<u>0.00</u>	<u>736 952.00</u>	<u>8 357 941 941.00</u>	
Total			7,143					0.00	0.00	736 952.00	8 357 941 941.00	
Future	Sep 2018	GBUS	Future	25	1.2839	1.2890	0.0000	0.0000	0	0.00		
			<u>25</u>					<u>0.00</u>	<u>0.00</u>	<u>167 364.00</u>	<u>2 153 117 002.00</u>	

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Total			25					0.00	0.00	167 364.00	2 153 117 002.00
Future											
Sep 2018	ZAAD	Future	12,144	10.9548	10.7504	11.0478	10.7996	506	5,515,143.20		
Dec 2018	ZAAD	Future	11,469	11.0927	10.8815	11.1402	10.9401	300	3,302,040.00		
Mar 2019	ZAAD	Future	520	11.2423	11.0273	11.2834	11.2834	5	56,417.00		
Jun 2019	ZAAD	Future	4,929	11.3873	11.1685	0.0000	0.0000	0	0.00		
			<u>29,062</u>					<i>811.00</i>	<i>8,873,600.20</i>	<i>3 695 323.00</i>	<i>32 111 741 048.60</i>
Total			29,062					811.00	8,873,600.20	3 727 700.00	32 111 741 048.60
Future											
Dec 2018	ZACA	Future	600	11.7311	11.5472	11.7837	11.7837	5	58,918.50		
			<u>600</u>					<i>5.00</i>	<i>58,918.50</i>	<i>137 643.00</i>	<i>1 354 934 905.60</i>
Total			600					5.00	58,918.50	137 643.00	1 354 934 905.60
Future											
Sep 2018	ZADK	Future	245	2.3766	2.3350	0.0000	0.0000	0	0.00		
Dec 2018	ZADK	Future	240	2.4251	2.3817	0.0000	0.0000	0	0.00		
			<u>485</u>					<i>0.00</i>	<i>0.00</i>	<i>12 090.00</i>	<i>260 091 854.00</i>
Total			485					0.00	0.00	12 090.00	260 091 854.00
Future											
Sep 2018	ZAEU	Future	97,906	17.6378	17.3216	17.7143	17.3838	8,079	143,000,417.80		
Dec 2018	ZAEU	Future	40,842	17.9780	17.6495	18.0832	17.7540	2,265	40,671,895.80		
Mar 2019	ZAEU	Future	4,725	18.3521	18.0153	18.3715	18.1515	4	73,266.00		
Jun 2019	ZAEU	Future	5,256	18.7113	18.3658	0.0000	0.0000	0	0.00		
			<u>148,729</u>					<i>10,348.00</i>	<i>183,745,579.60</i>	<i>15 254 256.00</i>	<i>218 267 886 758.40</i>
Option											
Sep 2018	ZAEU	13.50 Put	29,734	0.0347	0.0010	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	57,090	0.1105	0.0887	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	6.8257	6.2110	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	913.9478	624.3873	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	18.6218	6.4453	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	16.00 Call	650	2512.0788	2187.6841	0.0000	0.0000	0	0.00		
			<u>290,856</u>					<i>0.00</i>	<i>0.00</i>	<i>8 025 012.00</i>	<i>0.00</i>
Total			439,585					10,348.00	183,745,579.60	23 279 268.00	218 267 886 758.40
Future											
Sep 2018	ZAFR	Future	1,775	15.6522	15.3889	15.7353	15.7353	100	1,573,530.00		
Dec 2018	ZAFR	Future	755	15.9692	15.6956	16.0637	16.0637	10	160,637.00		
Jun 2019	ZAFR	Future	150	16.6553	16.3671	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>		
			2,680					110.00	1,734,167.00	616 960.00	6 612 282 288.80
	Total		2,680					110.00	1,734,167.00	616 960.00	6 612 282 288.80
Future											
Sep 2018	ZAGB	Future	196,333	19.5785	19.1905	19.5846	19.3699	333	6,525,025.80		
Dec 2018	ZAGB	Future	309,390	19.8961	19.4948	19.9199	19.6898	91,062	1,777,577,823.10		
Mar 2019	ZAGB	Future	4,932	20.2407	19.8308	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,156	20.5683	20.1493	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	4,645	20.9345	20.5059	0.0000	0.0000	0	0.00		
			521,456					91,395.00	1,784,102,848.90	12 325 206.00	208 348 045 737.60
Option											
Mar 2019	ZAGB	18.00 Put	500	279.8252	326.5298	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	21.44 Call	500	779.2645	601.2631	0.0000	0.0000	0	0.00		
			1,000					0.00	0.00	1 775 113.00	0.00
	Total		522,456					91,395.00	1,784,102,848.90	14 100 319.00	208 348 045 737.60
Future											
Sep 2018	ZAJY	Future	6,905	0.1370	0.1342	0.0000	0.0000	0	0.00		
			6,905					0.00	0.00	1 001 072.00	11 183 618 452.50
	Total		6,905					0.00	0.00	1 001 072.00	11 183 618 452.50
Future											
Sep 2018	ZAKS	Future	562	0.1511	0.1477	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,628	0.1478	0.1468	0.0000	0.0000	0	0.00		
			2,190					0.00	0.00	36 428.00	491 517 260.00
	Total		2,190					0.00	0.00	36 428.00	491 517 260.00
Future											
Sep 2018	ZATR	Future	5,270	2.2561	2.2244	0.0000	0.0000	0	0.00		
			5,270					0.00	0.00	341 969.00	1 134 767 971.00
	Total		5,270					0.00	0.00	341 969.00	1 134 767 971.00
Future											
Sep 2018	ZAUM	Future	340	15.2497	14.8882	15.3171	15.0511	15	22,719,000.00		
Dec 2018	ZAUM	Future	79	15.4356	15.0645	15.5145	15.2388	10	15,376,650.00		
Mar 2019	ZAUM	Future	10	15.6289	15.2527	15.7011	15.7011	5	7,850,550.00		
			429					30.00	45,946,200.00	152 505.00	176 073 942 250.00
	Total		429					30.00	45,946,200.00	157 028.00	176 073 942 250.00
Future											
Sep 2018	ZAUS	Future	455,763	15.2497	14.8882	15.3800	14.9893	156,140	2,363,401,888.40		

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Dec 2018	ZAUS	Future	442,576	15.4356	15.0645	15.5917	15.1762	346,734	5,595,178,543.20
Mar 2019	ZAUS	Future	37,186	15.6289	15.2527	15.7010	15.4500	271	4,249,701.50
Jun 2019	ZAUS	Future	19,210	15.8118	15.4298	15.8909	15.5286	900	14,165,875.00
Sep 2019	ZAUS	Future	12,184	16.0166	15.6288	0.0000	0.0000	0	0.00
Mar 2020	ZAUS	Future	1,531	16.4453	16.0452	0.0000	0.0000	0	0.00
			<u>968,450</u>					<u>504,045.00</u>	<u>7,976,996,008.10</u>
									<u>183 273 626.00</u>
									<u>2 181 632 682 954.80</u>

Option

Sep 2018	ZAUS	11.48 Put	5,200	0.0483	0.0005	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	0.0493	0.0006	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	0.0550	0.0021	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	0.0647	0.0107	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	0.0723	0.0281	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	0.0764	0.0440	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	0.0853	0.0600	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	2999.8238	2638.3287	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	0.1238	0.1287	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	0.1433	0.1498	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	0.1810	0.1909	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	3,600	2749.9564	2388.4745	0.0000	0.0000	2,000	0.00
Sep 2018	ZAUS	12.50 Put	44,000	0.2564	0.2745	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	0.3228	0.3495	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	0.3518	0.3826	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	0.3945	0.4315	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	2480.2553	2118.8189	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	2450.3046	2088.8771	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Put	500	0.6046	0.6771	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	0.6963	0.7865	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	7,500	2250.7608	1889.4308	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Put	70,000	1.0608	1.2308	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.10 Put	2,500	1.4008	1.6568	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	2051.5459	1690.4275	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,500	1.8459	2.2275	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	10,000	1.9500	2.3630	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	2001.8172	1640.7816	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	2.1172	2.5816	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	500	1952.1269	1591.1909	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	500	1753.8658	1393.1041	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	1655.1372	1294.2329	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	5.4372	6.0329	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	1605.9054	1244.9057	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	1262.9287	902.8798	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	22,000	13.2287	14.6798	0.0000	0.0000	0	0.00

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Sep 2018	ZAUS	14.20 Call	500	1069.6172	715.0477	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.50 Call	500	787.3006	477.2028	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	625.2227	349.9991	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	421.6770	210.4490	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Put	50	171.9770	322.2490	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	96.8307	34.7783	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	86.4786	30.0539	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	73.1581	24.3686	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	56.8476	17.7585	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	8.0131	7.5486	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	8.7091	8.2808	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	9.7604	9.4023	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	10.5346	10.2396	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	10.6972	10.4167	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	11.3742	11.5527	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	12.2856	13.4878	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	12.7704	14.5623	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	14.4928	17.7346	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2953.2074	2585.7099	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	17.6074	21.2099	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	21.6324	25.6654	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	23.3823	27.5935	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	26.0398	30.5153	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	35.1331	40.4662	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	2473.3955	2107.8721	0.0000	0.0000	2,000	0.00
Dec 2018	ZAUS	13.00 Put	177,520	37.7955	43.3721	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	40.6291	46.4629	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	43.6445	49.7508	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	2285.8525	1921.4575	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	51.6723	58.5053	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	2239.4661	1875.3986	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	53.8661	60.8986	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	59.2939	66.8227	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	60.1061	67.7092	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	2056.2095	1693.6926	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	70.6095	79.1926	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	2011.0202	1648.9634	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	75.4202	84.4634	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	85.8711	98.4223	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	95.0772	0.0000	0.0000	0.0000	26,300	0.00
Dec 2018	ZAUS	13.70 Put	7,300	97.5029	116.7959	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	20	98.7348	118.7580	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.75 Put	700	103.7905	126.8418	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1763.3222	1417.6517	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	109.0597	135.3049	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1746.0108	1401.9803	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	110.4108	137.4803	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	1620.1500	1287.5861	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,400	1580.5605	1250.7250	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	68,250	144.9605	186.2250	0.0000	0.0000	9,000	0.00
Dec 2018	ZAUS	14.10 Put	1,867	167.4345	214.4702	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	172.1987	220.4378	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	1480.2173	1157.9619	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	179.5192	229.5937	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	182.0070	232.6989	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	1427.7847	1109.8940	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	192.1847	245.3940	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	202.7383	258.5263	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	1391.0377	1076.3773	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Put	0	205.4377	261.8773	0.0000	0.0000	1,400	0.00
Dec 2018	ZAUS	14.33 Call	100	1333.4811	1025.1123	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	227.8811	290.6123	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	1319.3347	1012.9856	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	233.7347	298.4856	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	20	1298.2968	995.0194	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	1256.8809	959.9021	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	1216.3581	925.8606	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	280.7581	361.3606	0.0000	0.0000	4,500	0.00
Dec 2018	ZAUS	14.60 Call	84,900	1150.8194	871.4848	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	315.2194	406.9848	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	1144.4026	866.2053	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	1138.0108	860.9577	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	1106.4361	835.1476	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	340.8361	440.6476	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	1087.7936	820.0026	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	369.0087	0.0000	0.0000	0.0000	13,150	0.00
Dec 2018	ZAUS	14.75 Call	127,100	1058.8887	795.3264	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	373.2887	480.8264	0.0000	0.0000	700	0.00
Dec 2018	ZAUS	14.80 Call	400	1030.6854	771.3455	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	395.0854	506.8455	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	1008.6132	752.6535	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	10,000	924.5763	682.1481	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	919.5454	677.9624	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	880.2307	645.6251	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.10 Call	500	875.4295	641.7265	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	851.8052	622.5899	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	593.2000	739.5505	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	755.0728	545.2675	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	718.7635	516.6664	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	710.9721	510.5338	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,500	703.2681	504.4840	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	500	767.6681	939.9840	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	15.51 Call	24,570	699.4455	501.4857	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	669.6600	478.2138	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	662.4242	472.5866	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,580	630.8730	448.1603	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	620.7173	440.3361	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	581.8244	410.5810	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	563.3805	396.5894	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	536.9147	376.6308	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	506.4342	353.8209	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	498.4640	347.8877	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	401.6072	276.1121	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	356.4597	0.0000	0.0000	0.0000	26,300	0.00
Dec 2018	ZAUS	17.00 Call	3,700	323.5418	215.2183	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	3.9848	4.4483	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	15.7064	14.6530	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	20.5728	32.4010	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	21.2972	35.0210	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	47.5589	70.0338	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	49.3680	72.3523	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	57.1226	82.2041	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	70.3952	98.7838	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	10,000	87.1701	119.3478	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	103.4570	138.9946	0.0000	0.0000	134,750	0.00
Mar 2019	ZAUS	13.46 Put	20,000	120.0255	158.7325	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	162.7718	0.0000	0.0000	0.0000	18,593	0.00
Mar 2019	ZAUS	13.70 Put	2,500	167.1053	0.0000	0.0000	0.0000	2,500	0.00
Mar 2019	ZAUS	13.75 Put	17,981	178.2751	226.7095	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	187.5600	0.0000	0.0000	0.0000	262,812	0.00
Mar 2019	ZAUS	13.86 Put	721	204.5623	257.5230	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	214.7167	269.3575	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	241.5125	300.4455	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	326.0028	398.9665	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	1661.4878	1359.3551	0.0000	0.0000	250	0.00
Mar 2019	ZAUS	14.35 Put	139,342	349.4150	426.2562	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	14.44 Put	7,000	380.9840	462.8976	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	1544.4430	1252.4453	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,000	402.9468	488.3061	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	414.2056	502.3522	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	425.6479	516.6045	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	14,200	498.1363	0.0000	0.0000	0.0000	9,807	0.00
Mar 2019	ZAUS	14.82 Put	4,145	532.4548	648.5423	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10	536.8355	653.9090	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	541.2319	659.3013	0.0000	0.0000	134,750	0.00
Mar 2019	ZAUS	14.96 Call	17,981	1268.3561	1018.2964	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	1168.0209	931.2821	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	725.5063	866.8397	0.0000	0.0000	2,500	0.00
Mar 2019	ZAUS	15.32 Put	262,812	792.7899	941.0608	0.0000	0.0000	262,812	0.00
Mar 2019	ZAUS	15.45 Call	20,000	1047.6275	826.6680	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	1043.5973	823.1660	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	1011.9848	795.7395	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	966.5349	756.5472	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	911.6064	710.6615	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	883.7652	687.5350	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	20,000	847.0681	657.1827	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	805.9699	623.6655	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	733.4070	564.9894	0.0000	0.0000	134,750	0.00
Mar 2019	ZAUS	16.60 Call	50	676.2917	519.0615	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	582.2441	0.0000	0.0000	0.0000	262,812	0.00
Mar 2019	ZAUS	17.08 Call	7,028	570.2246	431.0667	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	7,000	568.2560	429.3929	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	566.2923	0.0000	0.0000	0.0000	2,500	0.00
Mar 2019	ZAUS	17.50 Call	16,000	491.5239	367.1298	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	413.8029	0.0000	0.0000	0.0000	28,400	0.00
Jun 2019	ZAUS	10.69 Put	1,000	15.6022	19.3064	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	32.4689	30.5593	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	43.4024	69.8755	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	69.2472	103.7290	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	109.5622	153.7929	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	251.5789	318.8008	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	6,250	267.0439	336.1889	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	2131.4147	1819.7738	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	1848.2298	1548.1460	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	1750.0217	1458.3842	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	1611.1667	1336.7917	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	1270.7180	1040.8260	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	6,250	1243.3418	1016.0128	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	15.80 Call	1,000	1176.2976	955.3519	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	1131.9667	917.3258	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	22.1812	27.6905	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	48.5255	45.3597	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	332.9395	417.1253	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	429.5754	515.7983	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	646.6084	0.0000	0.0000	0.0000	1,200	0.00		
Sep 2019	ZAUS	15.55 Call	30,000	1539.0153	1294.8151	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	1415.4832	1181.3545	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	995.0729	816.4896	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	857.7208	697.4983	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	745.0362	0.0000	0.0000	0.0000	2,400	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	60.3641	61.3798	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	295.4368	342.5009	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	1203.9736	1001.9877	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	758.3115	638.9215	0.0000	0.0000	0	0.00		
			<u>6,285,457</u>					<u>1,346,686.00</u>	<u>0.00</u>	<u>56 810 259.00</u>	<u>0.00</u>
		Total	<u>7,253,907</u>					<u>1,850,731.00</u>	<u>7,976,996,008.10</u>	<u>240 083 885.00</u>	<u>2 181 632 682 954.80</u>

Grand Total	<u>9,116,781</u>					<u>2,186,290.00</u>	<u>10 026 763 870.30</u>	<u>326,871,540</u>	<u>3,032,801,092,159.02</u>
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