



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 12-September-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Oct 2018	CC01	Future	25,000	667.4265	662.9575	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>
		<b>Total</b>	<b>25,000</b>					<b>0.00</b>	<b>0.00</b>	<b>25 000.00</b>	<b>7 830 750.00</b>
<b>Future</b>											
Oct 2018	DAEU	Future	34	17.5737	17.6828	0.0000	0.0000	0	0.00		
			<u>34</u>					<u>0.00</u>	<u>0.00</u>	<u>801 328.00</u>	<u>11 965 949 271.80</u>
<b>Option</b>											
Aug 2019	DAEU	16.03 Put	31,200	235.8534	225.7677	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	30,200	276.4226	264.2739	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	31,200	473.7705	447.0107	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	1072.7304	1125.3702	0.0000	0.0000	0	0.00		
			<u>155,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 297 987.00</u>	<u>0.00</u>
		<b>Total</b>	<b>155,034</b>					<b>0.00</b>	<b>0.00</b>	<b>2 099 315.00</b>	<b>11 965 949 271.80</b>
<b>Future</b>											
Sep 2018	DAGB	Future	14	19.6058	19.7537	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	48	19.6671	19.8156	0.0000	0.0000	0	0.00		
			<u>62</u>					<u>0.00</u>	<u>0.00</u>	<u>53 831.00</u>	<u>883 358 081.80</u>
		<b>Total</b>	<b>62</b>					<b>0.00</b>	<b>0.00</b>	<b>261 144.00</b>	<b>883 358 081.80</b>
<b>Future</b>											
Sep 2018	DAUS	Future	300	15.0345	15.1745	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	15.0427	15.1829	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	2,633	15.0489	15.1891	0.0000	0.0000	40	604,800.00		
Oct 2018	DAUS	Future	55	15.0571	15.1974	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	3,100	15.0838	15.2245	0.0000	0.0000	500	7,518,900.00		
Oct 2018	DAUS	Future	235	15.0879	15.2288	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	15.1044	15.2457	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	15.1127	15.2541	0.0000	0.0000	0	0.00		

<u>DATE</u>	<u>CONTRACT</u>		<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>
Oct 2018	DAUS	Future	4,847	15.1168	15.2584	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	15.1189	15.2605	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	15.1437	15.2858	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	24	15.1478	15.2900	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	420	15.1498	15.2921	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	461	15.1764	15.3193	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	7,449	15.1785	15.3214	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	4,187	15.2415	15.3853	0.0000	0.0000	800	12,208,000.00
Jan 2019	DAUS	Future	55	15.2455	15.3893	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	15.3022	15.4464	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	15.3042	15.4485	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	15.3305	15.4750	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	4,725	15.3608	15.5056	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	15.4154	15.5606	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	400	15.4194	15.5647	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	15.4275	15.5728	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	15.4840	15.6298	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	15.5465	15.6929	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	15.6099	15.7574	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	15.6741	15.8229	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	15.7403	15.8905	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.8054	15.9573	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.8709	16.0237	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	15.9431	16.0970	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	16.0131	16.1680	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	16.0786	16.2345	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	16.1486	16.3055	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	16.2186	16.3765	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	16.2795	16.4384	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	16.3563	16.5162	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	16.4827	16.6445	0.0000	0.0000	0	0.00
			<u>122,322</u>					<u>1,340.00</u>	<u>20,331,700.00</u>
									<u>10 608 561.00</u>
									<u>129 610 924 664.80</u>
<b>Option</b>									
Sep 2018	DAUS	13.30 Put	747	0.0000	0.0003	0.0000	0.0000	0	0.00
Sep 2018	DAUS	15.25 Put	20,000	268.9528	188.6274	0.0000	0.0000	0	0.00
Sep 2018	DAUS	15.00 Call	7,500	174.5607	280.0178	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.48 Put	40,000	40.5415	29.5929	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	0.9850	1.0039	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	1276.7633	1417.3972	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	8.1980	8.6385	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.25 Put	250	22.1282	22.1673	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.54 Call	250	574.3711	697.6947	0.0000	0.0000	0	0.00

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Sep 2018	DAUS	16.25 Call	500	27.2062	50.4355	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	8.8065	19.1956	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	7.3804	8.7951	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	1143.7350	1277.0271	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	10.9162	11.6197	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	40.8028	34.3569	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	1243.3468	1376.0436	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	114.3546	96.9325	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	694.0571	799.0882	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	135.8955	169.8394	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	81.0172	105.9099	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.85 Put	1,100	334.0009	289.1960	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.50 Call	1,100	339.9869	405.1088	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	3.1737	3.2578	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	56.3024	47.6145	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	114.0776	144.2718	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.9871	1.1691	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	3.5483	3.6575	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1957.3559	2098.3322	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	10,000	98.8615	84.9930	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	747.4489	848.6877	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	736.2328	836.6611	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	656.4015	750.6830	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	396.6015	348.5830	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	694.1559	790.5434	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	836.5031	941.4325	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.31 Call	10,000	504.8897	580.7877	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	27.7969	25.9795	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	85.1483	74.2519	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	1237.6220	1363.2932	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	181.6933	159.7684	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	755.7405	853.3727	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	208.6979	246.3506	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	138.1470	166.7331	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	768.4249	697.4914	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	110.9429	97.6108	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	207.1500	183.6221	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	450.1330	401.0812	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	674.8848	609.8782	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	77.9830	72.6871	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	110.1524	97.3740	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	676.9718	764.5749	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	15.69 Call	20,000	455.5790	520.5601	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	129.9949	114.6876	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	231.8725	206.3335	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	479.4258	429.1698	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	703.5811	638.4476	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	49.6416	45.7119	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	56.6747	52.2087	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	929.6014	1031.4226	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	880.1892	978.8127	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	41.6411	38.4770	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	122.1326	109.4617	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	1245.2859	1364.0779	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	232.6950	206.8509	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	527.9691	474.4380	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	264.0644	303.7004	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	184.7901	214.7284	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	28.5662	27.1736	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	53.1776	48.0808	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	278.9468	248.9906	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	1246.8123	1357.5724	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	847.4409	930.7714	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	61.3540	54.0453	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	316.3091	283.5561	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	1255.1876	1360.0425	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	885.0593	964.1496	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	71.7332	60.1942	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	350.6661	315.4861	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	1263.5437	1361.5893	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	916.2551	991.6795	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	77.3407	66.8060	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	2157.0049	2282.5116	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	383.3755	346.3315	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	1273.4040	1363.6159	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	944.9985	1017.4663	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	84.3056	72.4964	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	412.1268	375.0925	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	1284.2385	1370.7531	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	970.5826	1041.9527	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	620.9907	0.0000	0.0000	0.0000	20,000	0.00
Jun 2019	DAUS	17.22 Call	20,000	643.9898	0.0000	0.0000	0.0000	20,000	0.00
Jun 2019	DAUS	13.00 Put	500	89.0406	76.2131	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	436.4603	397.9545	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	15.17 Call	500	1294.2185	1377.3509	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.96 Call	250	991.7901	1061.2821	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	181.6437	158.2168	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	859.3714	920.5448	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	98.6451	80.6438	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	462.1739	423.5285	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	1315.6580	1396.2688	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	1022.7669	1090.9095	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	562.1998	517.3000	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	991.7598	1057.0932	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	97.3839	83.1191	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	483.5444	440.0099	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	1325.6702	1403.9948	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	1042.2997	1109.0038	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	525.6997	563.3334	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	112.3649	82.4713	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	505.8151	455.3483	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	1353.1059	1430.2558	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	1075.8813	1141.8932	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	134.6689	105.8845	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	526.7594	475.0810	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	1376.7682	1452.0505	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	1106.6075	1171.4162	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	152.7416	130.6936	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	541.0066	492.0991	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1403.4507	1478.6159	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	1139.3665	1203.2411	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	170.6073	143.9849	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	559.0311	509.4101	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1430.5212	1505.8044	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	1175.5095	1238.7301	0.0000	0.0000	0	0.00		
			<u>838,410</u>					<u>40,000.00</u>	<u>0.00</u>	<u>20 573 670.00</u>	<u>0.00</u>
	<b>Total</b>		<b>960,732</b>					<b>41,340.00</b>	<b>20,331,700.00</b>	<b>31 182 231.00</b>	<b>129 610 924 664.80</b>
<b>Future</b>											
Sep 2018	EUUS	Future	7,143	1.1626	1.1590	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>
	<b>Total</b>		<b>7,143</b>					<b>0.00</b>	<b>0.00</b>	<b>736 952.00</b>	<b>8 357 941 941.00</b>
<b>Future</b>											
Sep 2018	GBUS	Future	500	1.3023	1.3000	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
			500					0.00	0.00	167 866.00	2 159 649 829.00
		<b>Total</b>	<b>500</b>					<b>0.00</b>	<b>0.00</b>	167 866.00	2 159 649 829.00
<b>Future</b>											
Sep 2018	ZAAD	Future	12,144	10.7299	10.7586	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	11,469	10.8646	10.8952	0.0000	0.0000	0	0.00		
Mar 2019	ZAAD	Future	520	11.0135	11.0448	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	11.1580	11.1893	0.0000	0.0000	0	0.00		
			29,062					0.00	0.00	3 695 572.00	32 114 470 561.20
		<b>Total</b>	<b>29,062</b>					<b>0.00</b>	<b>0.00</b>	3 727 949.00	32 114 470 561.20
<b>Future</b>											
Dec 2018	ZACA	Future	600	11.7083	11.7005	0.0000	0.0000	0	0.00		
			600					0.00	0.00	137 653.00	1 355 055 071.60
		<b>Total</b>	<b>600</b>					<b>0.00</b>	<b>0.00</b>	137 653.00	1 355 055 071.60
<b>Future</b>											
Sep 2018	ZADK	Future	245	2.3545	2.3683	0.0000	0.0000	0	0.00		
Dec 2018	ZADK	Future	240	2.4025	2.4168	0.0000	0.0000	0	0.00		
			485					0.00	0.00	12 090.00	260 091 854.00
		<b>Total</b>	<b>485</b>					<b>0.00</b>	<b>0.00</b>	12 090.00	260 091 854.00
<b>Future</b>											
Sep 2018	ZAEU	Future	92,028	17.4685	17.5772	17.5100	17.4910	267	4,664,246.30		
Dec 2018	ZAEU	Future	41,503	17.7995	17.9124	17.8572	17.8572	10	178,572.00		
Mar 2019	ZAEU	Future	5,496	18.1756	18.2895	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	18.5311	18.6471	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	Future	6,161	18.9266	19.0462	0.0000	0.0000	0	0.00		
			150,444					277.00	4,842,818.30	15 281 570.00	218 773 549 308.80
<b>Option</b>											
Sep 2018	ZAEU	13.50 Put	29,734	0.0000	0.0258	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	57,090	0.0000	0.0347	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	0.2116	0.4121	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	721.6333	828.7073	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	1.0308	1.7689	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	16.00 Call	650	2326.3837	2431.9869	0.0000	0.0000	0	0.00		
			290,856					0.00	0.00	8 025 012.00	0.00
		<b>Total</b>	<b>441,300</b>					<b>277.00</b>	<b>4,842,818.30</b>	23 306 582.00	218 773 549 308.80
<b>Future</b>											
Sep 2018	ZAFR	Future	1,775	15.4791	15.5742	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Dec 2018	ZAFR	Future	755	15.7875	15.8864	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	16.4710	16.5706	0.0000	0.0000	0	0.00	
			<u>2,680</u>					<u>0.00</u>	<u>0.00</u>	<u>616 960.00</u>
		<b>Total</b>	<b>2,680</b>					<b>0.00</b>	<b>0.00</b>	<b>616 960.00</b>
<b>Future</b>										
Sep 2018	ZAGB	Future	30,205	19.5676	19.7154	0.0000	0.0000	0	0.00	
Dec 2018	ZAGB	Future	473,341	19.8801	20.0327	19.8770	19.8601	403	8,033,920.30	
Mar 2019	ZAGB	Future	4,932	20.2288	20.3840	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,856	20.5549	20.7129	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	10,026	20.9155	21.0794	0.0000	0.0000	0	0.00	
			<u>524,360</u>					<u>403.00</u>	<u>8,033,920.30</u>	<u>12 668 953.00</u>
		<b>Total</b>	<b>524,360</b>					<b>403.00</b>	<b>8,033,920.30</b>	<b>12 668 953.00</b>
<b>Option</b>										
Mar 2019	ZAGB	18.00 Put	500	247.0947	226.7403	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	693.5207	755.1373	0.0000	0.0000	0	0.00	
			<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 775 113.00</u>
		<b>Total</b>	<b>525,360</b>					<b>403.00</b>	<b>8,033,920.30</b>	<b>14 444 066.00</b>
<b>Future</b>										
Sep 2018	ZAJY	Future	115	0.1350	0.1361	0.0000	0.0000	0	0.00	
Dec 2018	ZAJY	Future	6,905	0.1375	0.1386	0.0000	0.0000	0	0.00	
			<u>7,020</u>					<u>0.00</u>	<u>0.00</u>	<u>1 014 882.00</u>
		<b>Total</b>	<b>7,020</b>					<b>0.00</b>	<b>0.00</b>	<b>1 014 882.00</b>
<b>Future</b>										
Jun 2019	ZAKS	Future	2,166	0.1487	0.1482	0.0000	0.0000	0	0.00	
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>	<u>38 066.00</u>
		<b>Total</b>	<b>2,166</b>					<b>0.00</b>	<b>0.00</b>	<b>38 066.00</b>
<b>Future</b>										
Sep 2018	ZATR	Future	6,000	2.3678	2.3395	0.0000	0.0000	0	0.00	
Dec 2018	ZATR	Future	6,000	2.2711	2.2426	0.0000	0.0000	0	0.00	
			<u>12,000</u>					<u>0.00</u>	<u>0.00</u>	<u>365 969.00</u>
		<b>Total</b>	<b>12,000</b>					<b>0.00</b>	<b>0.00</b>	<b>365 969.00</b>
<b>Future</b>										
Sep 2018	ZAUM	Future	172	15.0258	15.1660	15.1183	15.1183	2	3,023,660.00	
Dec 2018	ZAUM	Future	316	15.2071	15.3506	0.0000	0.0000	0	0.00	
Mar 2019	ZAUM	Future	10	15.3972	15.5423	0.0000	0.0000	0	0.00	
			<u>498</u>					<u>2.00</u>	<u>3,023,660.00</u>	<u>152 887.00</u>
		<b>Total</b>	<b>498</b>					<b>2.00</b>	<b>3,023,660.00</b>	<b>157 410.00</b>

<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>										
Sep 2018	ZAUS	Future	355,459	15.0258	15.1660	15.1828	14.9768	54,472	821,045,010.20	
Dec 2018	ZAUS	Future	597,376	15.2071	15.3506	15.3531	15.1718	69,250	1,056,396,124.10	
Mar 2019	ZAUS	Future	30,855	15.3972	15.5423	15.4561	15.4561	5	77,280.50	
Jun 2019	ZAUS	Future	19,910	15.5748	15.7215	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	Future	17,436	15.7693	15.9206	0.0000	0.0000	0	0.00	
Mar 2020	ZAUS	Future	3,966	16.1802	16.3376	0.0000	0.0000	0	0.00	
			<u>1,025,002</u>				<u>123,727.00</u>		<u>1,877,518,414.80</u>	<u>184 945 927.00</u> <u>2 207 315 005 446.60</u>
<b>Option</b>										
Sep 2018	ZAUS	11.48 Put	5,200	0.0000	0.0000	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.50 Put	45,000	0.0000	0.0000	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.60 Put	2,000	0.0000	0.0000	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.75 Put	93,314	0.0004	0.0002	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.85 Put	48,200	0.0022	0.0012	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.90 Put	3,000	0.0046	0.0025	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.00 Put	13,300	0.0169	0.0095	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.25 Call	500	2775.8364	2916.0366	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.25 Put	40,000	0.0364	0.0366	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.30 Put	100	0.0380	0.0391	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.38 Put	60,000	0.0408	0.0436	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.50 Call	3,600	2525.8455	2666.0513	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.50 Put	44,000	0.0455	0.0513	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.58 Put	8,000	0.0490	0.0574	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.61 Put	13,231	0.0504	0.0598	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.65 Put	1,550	0.0523	0.0633	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.77 Call	5,200	2255.8586	2396.0753	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.80 Call	50	2225.8603	2366.0787	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.80 Put	500	0.0603	0.0787	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.85 Put	750	0.0634	0.0847	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.00 Call	7,500	2025.8738	2166.1065	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.00 Put	70,000	0.0738	0.1065	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.10 Put	2,500	0.0820	0.1248	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.20 Call	4,000	1825.8915	1966.1470	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.20 Put	4,500	0.0915	0.1470	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.22 Put	10,000	0.0936	0.1521	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.25 Call	1,250	1775.8969	1916.1600	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.25 Put	74,064	0.0969	0.1600	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.30 Call	500	1725.9027	1866.1743	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.50 Call	500	1525.9318	1666.2501	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.60 Call	26,000	1425.9882	1566.3033	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.60 Put	4,000	0.1882	0.3033	0.0000	0.0000	0	0.00	



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Sep 2018	ZAUS	13.65 Call	1,464	1376.0501	1516.3352	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	1027.5015	1167.7458	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	22,000	1.7015	1.7458	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	830.5507	970.2978	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.50 Call	500	544.9500	681.6229	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	370.0277	500.9499	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	158.1429	266.7786	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Put	50	132.3429	100.7786	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	9.9013	14.4959	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	8.2350	12.3002	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	6.3751	9.8290	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	4.4141	7.1798	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	6.5489	6.7879	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	7.2033	7.4356	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	8.2074	8.4238	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	8.9578	9.1580	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	9.1165	9.3127	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	9.7813	9.9597	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	11.0243	10.8366	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	11.8790	11.3059	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	14.3970	13.2891	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2724.2521	2866.4552	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	17.1521	15.8552	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	20.6809	19.1421	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	22.2082	20.5648	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	24.5214	22.7193	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	32.4082	30.0597	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	2241.8140	2382.8047	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	34.7140	32.2047	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	37.1691	34.4870	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	39.7812	36.9161	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	2052.6166	2192.8439	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	46.7511	43.3892	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	2005.7583	2145.7607	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	48.6583	45.1607	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	53.3877	49.5493	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	54.0974	50.2065	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1820.3929	1959.3286	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	63.2929	58.7286	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1774.6249	1913.2475	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	67.5249	62.6475	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	76.7606	71.1923	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.68 Put	13,150	84.9512	78.7604	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	87.1274	80.7603	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	0	88.6995	81.7771	0.0000	0.0000	20	0.00
Dec 2018	ZAUS	13.75 Put	700	95.1919	85.9600	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	1527.3864	1659.8191	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	102.0266	90.3295	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	1510.8888	1642.0679	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	103.7888	91.4679	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	122.6467	108.2554	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	1390.0396	1518.0384	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,200	1350.9285	1477.7684	0.0000	0.0000	200	0.00
Dec 2018	ZAUS	14.00 Put	68,250	143.8285	127.1684	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	167.4492	148.3271	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	172.4756	152.8384	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	1252.1282	1375.7286	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	180.2063	159.7826	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	182.8363	162.1446	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	1200.7098	1322.4390	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	193.6098	171.8390	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	204.8060	181.9231	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	1164.7701	1285.1077	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	222.3964	197.7993	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	1108.6573	1226.6769	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	231.5573	206.0769	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	1094.8970	1212.3236	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	237.7970	211.7236	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	0	1074.4661	1190.9851	0.0000	0.0000	20	0.00
Dec 2018	ZAUS	14.39 Put	1,000	250.6088	223.3256	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	1034.3407	1149.0105	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	996.7077	1107.9770	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	289.6077	257.3770	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	936.9276	1041.7331	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	329.8276	291.1331	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	931.1129	1035.5608	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	925.3309	1029.4179	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	896.8661	999.1453	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	359.7661	318.5453	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	880.1430	981.3310	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	391.1601	347.3893	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	852.8636	952.2258	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	395.7636	351.6258	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	826.3162	923.8451	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.80 Put	135,000	419.2162	373.2451	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	805.5996	901.6565	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	468.2856	418.6328	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	10,000	727.2794	817.4451	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	20,700	520.1794	466.8451	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	722.6186	812.4190	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	686.3297	773.1987	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	681.9116	768.4178	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	660.2287	744.9177	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	632.0946	571.4759	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	662.0915	599.2879	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	692.7147	627.7358	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	573.7068	649.3770	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	541.8313	614.4044	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	534.9977	606.8919	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,000	528.2563	599.4757	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	821.1563	748.8757	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	524.9156	595.8022	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	498.9888	567.2249	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	492.7179	560.3049	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,580	465.5174	530.2264	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	456.8096	520.5812	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1059.2515	976.1622	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	423.6945	483.8065	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	408.1208	466.4686	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	385.9085	441.7046	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	360.5476	413.3782	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	353.9554	406.0404	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	341.1789	391.7972	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	332.9491	382.6127	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	274.7175	317.3656	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	237.8142	276.8543	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	210.3338	246.7498	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	3.5209	3.2579	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	13.4054	13.7899	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	25.4458	20.2923	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	27.5937	22.1058	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	56.8455	47.3462	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	58.8118	49.0691	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	67.1930	56.4423	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	72.8677	61.4574	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	81.4024	69.0314	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	13.36 Put	134,750	116.2931	100.3077	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	133.6017	115.9734	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	177.9259	156.4246	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	182.4002	160.5300	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	193.9191	171.1169	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	203.4829	179.9231	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	220.9934	196.0657	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	231.5258	205.7141	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	259.2760	231.2087	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	270.9563	241.8947	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	348.0666	312.8020	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	1452.2462	1561.5426	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	372.8609	335.7082	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	406.2703	366.6549	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	1338.8732	1443.2544	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,000	429.5027	388.2277	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	441.4089	399.2965	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	453.5070	410.5536	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	14,200	533.0713	482.0452	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	572.0331	518.3959	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10	577.0037	523.0863	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	581.9921	527.7989	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	1080.7625	1168.3475	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	686.3039	626.6034	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	730.3648	668.5058	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	735.9652	673.8331	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	985.7584	1067.6642	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	769.9741	706.2475	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	775.7137	711.7216	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	846.0778	778.9547	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	872.3528	947.2426	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	868.5365	943.2153	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	838.6476	911.6876	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	795.8863	866.1060	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	745.7729	812.5381	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	720.4926	785.4774	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	20,000	687.2972	749.9000	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	650.3026	710.1953	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	586.0904	640.5378	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	535.8675	586.2704	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	464.5446	509.1431	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	462.6065	507.1877	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	17.02 Call	262,812	453.0673	497.5567	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	441.9189	486.3049	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	440.0902	484.4648	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	438.2742	482.6297	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	415.4241	458.0267	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	372.3326	411.5399	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	305.9606	339.7234	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	263.2051	293.2928	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	15.8945	14.7259	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	28.8522	30.0518	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	56.4901	48.1795	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	86.0951	74.0177	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	130.8400	113.5360	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	282.6946	250.3655	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	6,250	298.9473	265.1949	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1927.8642	2037.9127	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	1643.5249	1748.8994	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	1548.6402	1650.3112	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	1417.3786	1511.0577	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	1099.0106	1174.0897	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	6,250	1072.3033	1146.7627	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	1006.9195	1078.6699	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	965.8649	1035.2286	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	23.7081	22.0385	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	44.8262	45.8320	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	379.6202	339.6430	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	480.2258	434.1536	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	526.2514	483.8423	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.72 Put	1,200	692.3542	640.8062	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1039.5554	970.1303	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.55 Call	30,000	1360.4388	1439.3633	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1147.2382	1074.6932	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	1240.5618	1316.0965	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	849.0943	904.2434	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	762.2897	813.6292	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.85 Call	2,700	722.0784	771.2476	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.93 Call	2,571	707.5198	755.8937	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	18.47 Call	1,200	619.1678	662.6356	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	19.32 Call	33,151	520.1977	552.6934	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	11.89 Put	1,000	63.5062	60.6225	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	13.66 Put	1,000	330.1451	294.1902	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	17.38 Call	1,000	1046.8606	1105.0229	0.0000	0.0000	0	0.00

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Dec 2019	ZAUS	20.00 Call	2,000	648.2285	682.1947	0.0000	0	0.00
			<u>6,981,269</u>				<u>240.00</u>	<u>0.00</u>
		<b>Total</b>	<b>8,006,271</b>				<b>123,967.00</b>	<b>1,877,518,414.80</b>
								<b>243 192 882.00</b>
								<b>2 207 315 005 446.60</b>
<b>Grand Total</b>			<b>10,175,913</b>				<b>165,989.00</b>	<b>1 913 750 513.40</b>
								<b>330,164,295</b>
								<b>3,067,065,576,720.72</b>