



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 26-October-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Nov 2018	DAEU	Future	37	16.7591	16.6901	0.0000	0.0000	0	0.00		
			<u>37</u>					<u>0.00</u>	<u>0.00</u>	<u>801 399.00</u>	<u>11 967 156 360.40</u>
<b>Option</b>											
Aug 2019	DAEU	17.01 Put	31,200	705.8450	733.6027	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	583.4266	561.8148	0.0000	0.0000	0	0.00		
			<u>93,600</u>					<u>0.00</u>	<u>0.00</u>	<u>1 390 587.00</u>	<u>0.00</u>
		<b>Total</b>	<b>93,637</b>					<b>0.00</b>	<b>0.00</b>	<b>2 191 986.00</b>	<b>11 967 156 360.40</b>
<b>Future</b>											
Nov 2018	DAGB	Future	13	18.8703	18.7752	0.0000	0.0000	0	0.00		
			<u>13</u>					<u>0.00</u>	<u>0.00</u>	<u>53 954.00</u>	<u>889 067 608.60</u>
		<b>Total</b>	<b>13</b>					<b>0.00</b>	<b>0.00</b>	<b>261 267.00</b>	<b>889 067 608.60</b>
<b>Future</b>											
Oct 2018	DAUS	Future	225	14.6450	14.5751	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,500	14.6450	14.5715	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,426	14.6450	14.5734	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	14.6468	14.5753	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.6693	14.5978	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	24	14.6730	14.6015	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	308	14.6749	14.6034	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	179	14.6861	14.6146	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	166	14.6972	14.6259	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.6991	14.6277	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	5,946	14.7010	14.6296	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	500	14.7143	14.6429	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,672	14.7238	14.6524	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,710	14.7600	14.6883	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.7638	14.6922	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.8178	14.7463	0.0000	0.0000	0	0.00		

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Jan 2019	DAUS	Future	920	14.8197	14.7482	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	14.8441	14.7725	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	5,787	14.8722	14.8006	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,731	14.9229	14.8512	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,029	14.9267	14.8550	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.9342	14.8625	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	14.9868	14.9149	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	15.0460	14.9732	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	15.1053	15.0315	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	15.1647	15.0899	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	15.2275	15.1513	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.2865	15.2088	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.3436	15.2648	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	15.4109	15.3320	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.4761	15.3971	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.5371	15.4579	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.6023	15.5230	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.6675	15.5880	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.7242	15.6447	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.7957	15.7161	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.9135	15.8336	0.0000	0.0000	0	0.00
			<u>119,939</u>					<u>0.00</u>	<u>0.00</u>
									<u>10 752 963.00</u>
									<u>131 705 534 313.20</u>
<b>Option</b>									
Oct 2018	DAUS	13.00 Put	500	0.0340	0.0203	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	1.5745	4.3663	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	718.3578	651.9959	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.97 Put	600	4.2269	10.5281	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	19.5165	39.2938	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.34 Put	171	30.7316	57.5021	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.44 Call	171	254.5451	218.8281	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.45 Call	600	246.8806	212.1325	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	107.9095	98.2798	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.82 Put	114	235.7749	304.4985	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.90 Call	600	44.3497	43.2613	0.0000	0.0000	0	0.00
Oct 2018	DAUS	15.01 Call	114	28.6698	28.8041	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	0.3374	0.2964	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	0.0902	0.0627	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.40 Put	20,000	61.2526	90.5319	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	0.0208	0.0000	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	5.3692	8.9567	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	0.5607	0.6320	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.34 Put	171	114.6584	141.6688	0.0000	0.0000	0	0.00

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Nov 2018	DAUS	14.50 Call	171	348.5190	311.6746	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.0000	0.0027	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	0.0342	0.0005	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1459.7979	1389.5759	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.32 Call	15,000	468.4134	423.1588	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	248.0958	220.9559	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	239.9563	213.6276	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.78 Call	30,000	224.3583	199.6075	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	185.9155	165.1823	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	401.0155	451.7823	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.76 Call	4,000	302.9889	0.0000	0.0000	0.0000	8,000	0.00
Nov 2018	DAUS	13.00 Put	500	3.7842	4.9411	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	43.3709	53.7819	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	50.1236	61.5550	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	715.4827	662.8057	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	143.1176	167.6262	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	561.0478	515.9219	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.80 Call	600	300.1848	273.4402	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	292.5619	266.4440	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	18.7499	16.7251	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	6.1340	5.4080	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	886.7289	944.9987	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	69.6705	83.5198	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	178.9816	205.1947	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	482.6089	528.7747	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	769.7577	825.3075	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	40.8483	48.6878	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	72.2113	85.1814	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	260.6131	238.8283	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	129.2194	118.1409	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	98.8967	113.5529	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	218.5306	244.8418	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	523.2476	566.7438	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	802.1321	854.0560	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	18.8427	18.8935	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	22.0627	25.7468	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	467.1089	431.2021	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	426.2056	394.2550	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	18.8234	20.8519	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	96.5290	109.3746	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	752.4533	704.5566	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	223.4527	248.0318	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	14.96 Put	250	584.9965	628.3451	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	59.9640	55.4598	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	32.8984	30.6453	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	18.5414	21.0236	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.88 Call	4,000	533.2485	0.0000	0.0000	0.0000	8,000	0.00
Jan 2019	DAUS	13.00 Put	500	37.8363	42.0701	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	265.9125	288.8355	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	285.2587	309.3187	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	779.0516	734.5916	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	446.3131	418.8246	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	346.5191	325.0444	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	54.9103	59.7097	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	312.2703	333.8797	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	332.4419	355.1002	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	806.0895	762.8929	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	498.5708	470.0675	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	396.6050	373.8071	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	278.4787	295.5638	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	72.1036	76.9970	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	353.3156	375.7224	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	374.0772	397.3320	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	831.0973	789.7724	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	540.8827	511.9863	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	442.7597	419.1104	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.04 Call	4,000	760.4298	0.0000	0.0000	0.0000	8,000	0.00
Apr 2019	DAUS	13.00 Put	3,000	86.6627	93.8211	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1671.0369	1609.3656	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	393.1107	412.7306	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	412.8712	434.6849	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	854.4265	813.8619	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	579.3088	550.0640	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	487.8434	463.1962	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	98.5807	107.1655	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	428.6685	447.9908	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	448.7963	468.7565	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	878.8514	838.3805	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	616.4901	586.1192	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	526.6613	500.4529	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	698.0024	725.4868	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	373.9763	354.4730	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	107.0352	116.8429	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	458.0364	477.0285	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	14.25 Put	250	478.4279	497.9733	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	898.1576	857.3598	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	645.6598	614.4720	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	559.2171	531.6102	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	212.6979	226.0390	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	545.3142	518.2848	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	118.2142	126.0236	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	489.0806	507.8711	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	509.6722	528.9700	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	926.5434	885.1467	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	682.5723	649.9524	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	598.6907	569.5616	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	623.6922	646.8214	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	663.0496	631.2362	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	131.6186	136.6962	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	515.2063	534.0059	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	535.9674	555.1905	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	944.3260	902.4038	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	709.0624	675.4260	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	626.0510	595.2331	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	327.5138	313.4336	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	146.5511	152.5711	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	539.2387	557.8345	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	560.2396	579.2936	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	969.5737	926.8540	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	739.9539	705.1605	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	654.6446	622.6577	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	160.0417	165.3777	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	562.2711	580.8977	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	583.4312	602.3568	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	986.6590	944.1513	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	764.4841	729.6205	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	680.9477	648.5204	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	173.5493	184.0895	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	583.0482	602.7163	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	604.4698	624.5105	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	1014.7039	972.7377	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	796.7383	761.7422	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	714.2872	682.0230	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	190.2226	198.6724	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	603.3672	623.0889	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	624.9966	645.0906	0.0000	0.0000	0	0.00

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Dec 2019	DAUS	16.21 Call	500	1042.6115	1001.3531	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.05 Call	250	830.9362	796.0353	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.44 Call	250	750.2055	717.9692	0.0000	0.0000	0	0.00
			<u>861,709</u>					<u>24,000.00</u>	<u>0.00</u>
	<b>Total</b>		<b>981,648</b>					<b>24,000.00</b>	<b>0.00</b>
									<b>31 851 379.00</b>
									<b>131 705 534 313.20</b>
<b>Future</b>									
Dec 2018	EUUS	Future	40	1.1413	1.1422	0.0000	0.0000	0	0.00
			<u>40</u>					<u>0.00</u>	<u>0.00</u>
	<b>Total</b>		<b>40</b>					<b>0.00</b>	<b>0.00</b>
									<b>744 445.00</b>
									<b>8 445 126 755.00</b>
<b>Future</b>									
Dec 2018	GBUS	Future	250	1.2844	1.2842	0.0000	0.0000	0	0.00
			<u>250</u>					<u>0.00</u>	<u>0.00</u>
	<b>Total</b>		<b>250</b>					<b>0.00</b>	<b>0.00</b>
									<b>169 671.00</b>
									<b>2 183 289 974.00</b>
<b>Future</b>									
Dec 2018	ZAAD	Future	33,987	10.3995	10.3773	0.0000	0.0000	26	270,673.00
Mar 2019	ZAAD	Future	420	10.5398	10.5181	0.0000	0.0000	0	0.00
Jun 2019	ZAAD	Future	4,929	10.6748	10.6533	0.0000	0.0000	0	0.00
			<u>39,336</u>					<u>26.00</u>	<u>270,673.00</u>
	<b>Total</b>		<b>39,336</b>					<b>26.00</b>	<b>270,673.00</b>
									<b>3 746 149.00</b>
									<b>32 655 753 551.80</b>
<b>Future</b>									
Dec 2018	ZACA	Future	500	11.2368	11.2053	0.0000	0.0000	0	0.00
Mar 2019	ZACA	Future	400	11.3930	11.3619	0.0000	0.0000	0	0.00
			<u>900</u>					<u>0.00</u>	<u>0.00</u>
	<b>Total</b>		<b>900</b>					<b>0.00</b>	<b>0.00</b>
									<b>138 453.00</b>
									<b>1 364 082 201.60</b>
<b>Future</b>									
Dec 2018	ZADK	Future	240	2.2526	2.2680	0.0000	0.0000	0	0.00
			<u>240</u>					<u>0.00</u>	<u>0.00</u>
	<b>Total</b>		<b>240</b>					<b>0.00</b>	<b>0.00</b>
									<b>12 335.00</b>
									<b>265 809 909.00</b>
<b>Future</b>									
Dec 2018	ZAEU	Future	106,534	16.8088	16.7396	16.8829	16.7249	6,336	106,982,590.70
Mar 2019	ZAEU	Future	36,313	17.1634	17.0925	17.2150	17.1798	302	5,188,370.00
Jun 2019	ZAEU	Future	4,906	17.4940	17.4232	0.0000	0.0000	0	0.00
Sep 2019	ZAEU	Future	8,262	17.8620	17.7880	0.0000	0.0000	0	0.00
			<u>156,015</u>					<u>6,638.00</u>	<u>112,170,960.70</u>
	<b>Total</b>								<b>15 600 265.00</b>
									<b>224 344 737 363.80</b>
<b>Option</b>									

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Mar 2019	ZAEU	15.60 Put	462	135.5540	146.5783	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	16.00 Call	650	1391.5193	1336.9946	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	17.33 Put	462	836.9419	877.2758	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	19.65 Call	462	191.3051	182.2293	0.0000	0.0000	0	0.00	
			2,036					0.00	0.00	10 794 964.00
		<b>Total</b>	<b>158,051</b>					<b>6,638.00</b>	<b>112,170,960.70</b>	26 395 229.00 224 344 737 363.80
<b>Future</b>										
Dec 2018	ZAFR	Future	1,748	14.8183	14.6960	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	15.4554	15.3281	0.0000	0.0000	0	0.00	
			1,898					0.00	0.00	620 576.00 6 667 908 161.60
		<b>Total</b>	<b>1,898</b>					<b>0.00</b>	<b>0.00</b>	620 576.00 6 667 908 161.60
<b>Future</b>										
Dec 2018	ZAGB	Future	438,787	18.9167	18.8216	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	Future	8,145	19.2449	19.1471	19.2224	19.2224	300	5,766,720.00	
Jun 2019	ZAGB	Future	5,506	19.5486	19.4502	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	10,363	19.8840	19.7830	0.0000	0.0000	0	0.00	
			462,801					300.00	5,766,720.00	12 835 147.00 218 396 387 628.60
<b>Option</b>										
Dec 2018	ZAGB	19.30 Call	200	330.6163	304.1793	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	18.00 Put	500	323.4238	355.1462	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	801.5304	857.8191	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	547.2127	519.9498	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	493.6917	469.5882	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	240.8175	229.8077	0.0000	0.0000	0	0.00	
			4,200					0.00	0.00	1 779 113.00 0.00
		<b>Total</b>	<b>467,001</b>					<b>300.00</b>	<b>5,766,720.00</b>	14 614 260.00 218 396 387 628.60
<b>Future</b>										
Dec 2018	ZAJY	Future	6,905	0.1326	0.1307	0.0000	0.0000	0	0.00	
			6,905					0.00	0.00	1 021 902.00 11 470 576 312.50
		<b>Total</b>	<b>6,905</b>					<b>0.00</b>	<b>0.00</b>	1 021 902.00 11 470 576 312.50
<b>Future</b>										
Jun 2019	ZAKS	Future	2,166	0.1424	0.0041	0.0000	0.0000	0	0.00	
			2,166					0.00	0.00	38 066.00 515 662 000.00
		<b>Total</b>	<b>2,166</b>					<b>0.00</b>	<b>0.00</b>	38 066.00 515 662 000.00
<b>Future</b>										
Dec 2018	ZATR	Future	6,000	2.5516	2.5319	0.0000	0.0000	0	0.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
			6,000					0.00	0.00	
		<b>Total</b>	<b>6,000</b>					<b>0.00</b>	<b>0.00</b>	
								389 239.00	1 243 489 569.00	
								389 239.00	1 243 489 569.00	
<b>Future</b>										
	Dec 2018	ZAUM	Future	327	14.7276	14.6562	0.0000	0.0000	170	251,518,700.00
	Mar 2019	ZAUM	Future	10	14.9060	14.8344	0.0000	0.0000	0	0.00
				337					170.00	251,518,700.00
		<b>Total</b>	<b>337</b>					<b>170.00</b>	<b>251,518,700.00</b>	
								157 913.00	177 398 049 860.00	
								157 913.00	177 398 049 860.00	
<b>Future</b>										
	Dec 2018	ZAUS	Future	836,401	14.7276	14.6562	14.8352	14.6500	93,688	1,382,562,766.50
	Mar 2019	ZAUS	Future	52,824	14.9060	14.8344	15.0150	14.8753	349	5,211,882.50
	Jun 2019	ZAUS	Future	19,376	15.0728	14.9995	0.0000	0.0000	0	0.00
	Sep 2019	ZAUS	Future	18,444	15.2550	15.1781	0.0000	0.0000	0	0.00
	Dec 2019	ZAUS	Future	2,200	15.4340	15.3551	0.0000	0.0000	0	0.00
	Mar 2020	ZAUS	Future	3,966	15.6317	15.5524	0.0000	0.0000	0	0.00
				933,211					94,037.00	1,387,774,649.00
									188 494 905.00	2 259 693 804 030.20
									188 494 905.00	2 259 693 804 030.20
<b>Option</b>										
	Dec 2018	ZAUS	11.64 Put	2,764	1.2075	1.6327	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	11.75 Put	228,616	1.5780	1.9959	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	11.90 Put	11,300	2.0402	2.3846	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	12.00 Put	174,530	2.3415	2.6892	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	12.02 Put	5,500	2.4072	2.7552	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	12.10 Put	8,580	2.6903	3.0372	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	12.20 Put	7,300	3.0950	3.4357	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	12.25 Put	3,300	3.3213	3.6564	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	12.38 Put	39,589	3.9967	4.3084	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	12.50 Call	228,616	2232.3526	2161.2283	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	12.50 Put	26,400	4.7526	5.0283	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	12.63 Put	39,589	5.7496	5.9664	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	12.68 Put	10,000	6.1916	6.3788	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	12.75 Put	1,000	6.8736	7.0126	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	12.95 Put	500	9.3166	9.2608	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	13.00 Call	6,000	1737.6663	1666.1464	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	13.00 Put	177,520	10.0663	9.9464	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	13.05 Put	1,500	10.8826	10.6909	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	13.10 Put	11,300	11.7717	11.5011	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	13.20 Call	7,100	1541.3998	1469.5547	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	13.22 Put	5,500	14.2496	14.3555	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	13.25 Call	10,000	1492.5554	1422.1702	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	13.25 Put	17,800	14.9554	15.9702	0.0000	0.0000	0	0.00
	Dec 2018	ZAUS	13.32 Put	13,650	17.3369	20.3118	0.0000	0.0000	0	0.00



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Dec 2018	ZAUS	13.33 Put	135,000	17.9207	21.0026	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1303.8496	1237.0370	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	26.2496	30.8370	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1258.1226	1192.0663	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	30.5226	35.8663	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	40.7045	47.8010	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	50.6029	59.3427	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	53.3435	62.5268	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	60.6874	71.0405	0.0000	0.0000	700	0.00
Dec 2018	ZAUS	13.79 Put	10,000	67.0908	78.4393	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,164	996.3679	936.5723	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	500	68.7679	80.3723	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	87.2931	101.6425	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	875.4109	820.2352	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,200	836.8111	783.6174	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	109.2111	127.4174	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	136.3632	157.2438	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	142.2863	163.7100	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	742.9092	693.2046	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	151.4820	173.7245	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	154.6305	177.1463	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	695.2475	647.4657	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	167.6475	191.2657	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	181.3440	206.0707	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	662.4763	616.0800	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	203.1742	229.5686	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	612.2702	568.0996	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	214.6702	241.8996	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	600.1505	556.5351	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	222.5505	250.3351	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	238.8269	267.7243	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	570.6033	528.3795	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	547.7416	506.6260	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	1,200	514.7372	475.2704	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	287.1372	319.0704	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	291.7873	323.9908	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	463.1250	426.3642	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,500	335.5250	370.1642	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	458.1958	421.6989	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	453.3060	417.0766	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	371.8789	408.7796	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	415.6693	382.5729	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.74 Put	13,150	410.2214	450.3754	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	393.4573	362.6711	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	415.8573	456.4711	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	373.1328	343.7198	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	445.5328	487.5198	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	357.5625	329.2198	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	353.7648	325.6858	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	507.7211	552.3374	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	301.0921	276.7667	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	25,700	573.4921	620.5667	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	297.8572	273.7685	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	273.1371	250.8794	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	270.1901	248.1516	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	255.9048	234.9480	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Call	4,050	242.3576	222.4376	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	714.7576	766.2376	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	751.9150	804.3892	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	789.7462	843.1708	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	201.3836	184.6724	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	182.5830	167.0873	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	178.6531	163.3821	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	174.8043	159.7593	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	947.2043	1003.5593	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	172.8502	157.9773	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	157.9753	144.4307	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	156.2080	142.8213	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	154.4604	141.2302	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	139.5862	127.7043	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	134.9562	123.4962	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1231.6711	1293.0543	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	117.9408	108.0464	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	110.2715	101.0884	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	5,050	99.7206	91.5201	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	88.2311	81.0284	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	85.3449	78.1759	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	79.8664	72.7649	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	76.4201	69.3671	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	51.9168	47.3419	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	38.8219	35.6122	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	30.5013	28.1472	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	2.0778	2.9323	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	8.7914	9.7566	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	12.47 Put	721	28.5694	30.7328	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	30.5519	32.8373	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	56.7752	60.5796	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	58.5111	62.4134	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	65.9056	70.2097	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	70.9049	75.4760	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	78.4239	83.3905	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	81.8381	86.9826	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	94.1039	99.8786	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	104.9467	111.2680	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	109.2636	116.1200	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.40 Put	900	115.2498	123.7500	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	126.6215	135.8529	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	134.6308	144.3698	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	145.1397	155.5304	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	4,000	156.2077	167.2750	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	175.1158	187.3103	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	180.0767	192.5620	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	185.1327	197.9121	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	192.8989	206.1243	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	203.5887	217.4214	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	223.2415	238.1615	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	235.0155	250.5750	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	266.2186	283.4168	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	279.4099	297.2797	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	337.6512	359.6923	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	370.8599	394.3717	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	985.4388	937.7204	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	401.3706	426.1730	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.42 Put	900	433.2170	459.3154	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	442.5597	469.0289	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	447.2715	473.9277	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	887.5675	843.1775	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	877.2317	833.2117	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	471.2317	498.8117	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	485.9270	514.0594	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	500.8632	529.5469	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	547.0677	577.3964	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	595.3420	627.3018	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	634.2882	667.4955	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	639.9493	673.3360	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	645.6345	679.1966	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	14.84 Put	134,750	651.3439	685.0847	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.99 Call	100	656.2771	621.3176	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	771.1734	808.6719	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	808.9823	847.4980	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	821.7608	860.6102	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	828.1785	867.1977	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	590.0766	558.1550	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	867.1481	907.1565	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	873.7169	913.8877	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	954.1172	996.1973	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	500.3726	472.8357	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	497.4463	470.0570	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	485.9174	459.1163	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	480.2614	453.7490	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	474.6719	448.4495	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	442.5895	418.1362	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	405.8912	383.5162	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	401.2547	379.1473	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	387.7009	366.3746	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.98 Call	900	368.3172	348.1259	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	10,000	364.1605	344.2125	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	338.3928	319.9839	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	307.7857	291.2315	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	294.4974	278.4040	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	262.1440	247.6771	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	259.1065	244.8167	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	210.5670	199.1369	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	209.3725	198.0130	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	203.5082	192.4983	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	196.7121	186.1106	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	195.6057	185.0701	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	194.5038	184.0362	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	180.8201	171.1769	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	173.9070	164.6833	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	155.7666	147.6518	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	120.8440	116.5388	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	104.1400	101.0702	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	7.3191	7.5480	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	25.5997	29.9135	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	67.9661	75.3083	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	101.2212	110.1253	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	104.5674	113.6068	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	13.24 Put	30,000	150.8346	161.4622	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.83 Put	25,000	310.1948	324.9842	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	5,035	326.5086	341.8672	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	1,000	1453.5194	1396.7336	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	1192.8394	1143.1439	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	1111.9249	1064.4608	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.63 Put	8,203	644.9658	671.4902	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	1000.6535	956.4830	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.10 Call	1,000	884.9685	844.3320	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	726.3941	691.5100	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	5,035	704.6362	670.5965	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	651.9532	620.1734	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	619.6398	589.2533	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	16.00 Call	20	599.1291	569.6471	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	17.96 Call	8,203	269.9866	255.9329	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	13.4362	14.2409	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	57.6749	59.7193	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.91 Put	81,930	415.8549	432.4339	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	437.7860	454.8434	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.09 Put	33,715	483.6638	501.6660	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.14 Put	141,127	503.5680	521.9647	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	532.2071	551.1605	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.33 Put	33,151	583.3962	603.2957	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	773.9261	799.2958	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1162.7614	1195.0839	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.55 Call	30,000	977.3101	934.5682	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1278.8813	1313.1449	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	874.1032	834.6752	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	558.0208	529.5868	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	489.9812	464.6015	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	459.2374	435.2933	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	448.1897	424.7648	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.29 Call	81,930	402.5976	382.3247	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	386.1964	367.0384	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	372.8319	354.4010	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.67 Call	141,127	369.6272	351.3740	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	324.3345	308.6166	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	45.9035	46.5836	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	378.5710	397.5219	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	722.1417	690.3867	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	423.7314	406.3133	0.0000	0.0000	0	0.00		
			<u>8,237,212</u>					<u>700.00</u>	<u>0.00</u>	<u>60 813 633.00</u>	<u>0.00</u>

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		<b>Total</b>	<b>9,170,423</b>				<b>94,737.00</b>	<b>1,387,774,649.00</b>	249 308 538.00	2 259 693 804 030.20
		<b>Grand Total</b>	<b>10,928,845</b>				<b>125,871.00</b>	<b>1 757 501 702.70</b>	<b>340,581,063</b>	<b>3,133,547,138,713.73</b>