



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 24-October-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Nov 2018	DAEU	Future	37	16.6288	16.6423	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	756.7528	758.0958	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	538.2620	544.1613	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	18.8187	18.8231	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	70	14.4875	14.4199	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.4910	14.4254	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,500	14.4930	14.4272	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,426	14.4949	14.4290	0.0000	0.0000	1,180	17,134,780.00		
Nov 2018	DAUS	Future	55	14.4968	14.4308	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.5189	14.4528	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	24	14.5226	14.4564	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	308	14.5244	14.4583	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	179	14.5354	14.4693	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	166	14.5465	14.4803	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.5484	14.4821	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	6,044	14.5503	14.4839	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	500	14.5633	14.4968	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,672	14.5726	14.5060	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,808	14.6081	14.5410	0.0000	0.0000	786	11,504,053.20		
Jan 2019	DAUS	Future	55	14.6119	14.5446	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>		
Jan 2019	DAUS	Future	55	14.6646	14.5961	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,020	14.6664	14.5980	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.6906	14.6215	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	5,787	14.7185	14.6486	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	14.7687	14.6975	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,029	14.7724	14.7011	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.7798	14.7083	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.8319	14.7591	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.8901	14.8159	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.9482	14.8727	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	15.0067	14.9300	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	15.0685	14.9904	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.1264	15.0471	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.1827	15.1025	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	15.2483	15.1665	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.3118	15.2284	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.3712	15.2863	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.4347	15.3483	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.4982	15.4102	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.5535	15.4642	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.6232	15.5321	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.7379	15.6440	0.0000	0.0000	0	0.00		
			<u>120,305</u>					<u>1,966.00</u>	<u>28,638,833.20</u>	<u>10 752 426.00</u>	<u>131 697 687 862.70</u>

**Option**

Oct 2018	DAUS	13.00 Put	500	0.1170	0.2338	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	9.1063	8.4167	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	581.3634	517.4579	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.97 Put	600	19.6417	23.0236	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	61.9411	84.7016	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.34 Put	171	86.3812	118.6513	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.44 Call	171	176.9910	154.7035	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.45 Call	600	171.1106	149.9558	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	79.3809	73.9472	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.82 Put	114	369.3606	434.2023	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.90 Call	600	31.7138	31.9194	0.0000	0.0000	0	0.00
Oct 2018	DAUS	15.01 Call	114	19.6134	20.7175	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	0.1968	0.3222	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	0.0419	0.0737	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	20,000	28.5116	33.1009	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	0.0560	0.0422	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	17.3848	17.7525	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	0.6796	0.7363	0.0000	0.0000	0	0.00

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Nov 2018	DAUS	14.34 Put	171	174.9999	212.1718	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.50 Call	171	273.4047	252.7149	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.0192	0.0248	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	0.0966	0.0860	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1313.5444	1247.6079	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.32 Call	15,000	376.8133	347.2845	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	195.4357	182.4424	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	188.9290	176.4907	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.78 Call	30,000	176.5004	165.1195	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	146.0726	137.2510	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	511.6726	568.9510	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	7.8057	6.4348	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	69.0950	85.2269	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	79.2310	97.1604	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	610.0329	570.5967	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	200.2735	234.3722	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	471.0592	440.8566	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.80 Call	600	248.1678	235.3990	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	241.7985	229.4654	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	16.4267	14.3215	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	6.1478	4.6623	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1012.4181	1074.4237	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	105.5885	125.8171	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	240.5936	276.3120	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	585.0541	639.6995	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	890.3700	950.8646	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	64.5741	77.8685	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	107.1332	126.2436	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	219.0033	209.6966	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	108.3831	104.7297	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	138.5726	159.9416	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	282.3814	316.8109	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	621.9509	674.4657	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	917.2874	976.0634	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	25.9089	32.9579	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	34.5653	43.0936	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	400.1490	380.3392	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	365.6483	347.9512	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	23.3769	27.2253	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	129.4261	147.8939	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	657.3431	622.1207	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	281.8068	314.6273	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	14.96 Put	250	681.6026	733.6259	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	51.9098	49.5273	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	28.1566	26.2561	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	23.3345	24.7208	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	45.6791	50.7648	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	318.2185	349.4225	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	339.7367	372.2515	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	685.8603	653.3555	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	386.9771	370.0094	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	299.3393	286.4692	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	65.7580	72.4081	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	363.7886	395.6942	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	385.8774	418.9545	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	716.0918	685.4287	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	437.3839	419.9184	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	347.0930	333.3378	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	318.2560	346.3478	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	85.6828	93.5737	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	404.4639	436.8235	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	426.9434	460.3454	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	743.8314	714.3123	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	478.6661	460.8719	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	391.1907	377.0495	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	103.2066	113.3621	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1540.7165	1487.2399	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	440.8536	474.6628	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	463.6377	498.3731	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	769.2189	741.3575	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	516.4981	499.3259	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	434.2759	420.3087	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	120.0823	130.2637	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	473.8698	509.1358	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	496.9178	533.0668	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	794.5922	768.4541	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	552.7584	536.4213	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	471.1090	457.9503	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	760.2969	804.7006	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	333.1988	323.8843	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	131.8853	143.3532	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	500.8395	536.8512	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	524.0466	560.9296	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	814.2132	789.4564	0.0000	0.0000	0	0.00

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Jun 2019	DAUS	15.96 Call	250	581.0264	565.6014	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	502.0837	489.5392	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	243.2893	263.9425	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	489.5820	477.2682	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	143.0671	154.8394	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	529.8790	565.5166	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	551.5285	589.6838	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	841.5539	818.9221	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	615.5602	601.7544	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.50 Call	250	538.6460	527.0369	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.48 Put	3,147	675.1726	718.0856	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.35 Call	3,147	598.1491	585.6732	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	151.2522	168.3539	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.20 Put	250	555.2765	591.4096	0.0000	0.0000	0	0.00
Aug 2019	DAUS	14.25 Put	250	576.9401	614.0716	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	859.6239	838.0074	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.33 Call	250	641.2665	627.9907	0.0000	0.0000	0	0.00
Aug 2019	DAUS	16.70 Call	250	563.7312	552.2470	0.0000	0.0000	0	0.00
Sep 2019	DAUS	19.00 Call	20,000	302.4872	296.5693	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	157.2695	182.7767	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.20 Put	250	578.5935	614.7398	0.0000	0.0000	0	0.00
Sep 2019	DAUS	14.25 Put	250	600.2461	637.4834	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	884.4994	863.8344	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.50 Call	250	671.1634	658.1342	0.0000	0.0000	0	0.00
Sep 2019	DAUS	16.89 Call	250	590.8887	579.3695	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	170.8602	197.5275	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.20 Put	250	602.3871	638.5088	0.0000	0.0000	0	0.00
Oct 2019	DAUS	14.25 Put	250	624.2265	661.3978	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	903.0849	883.3501	0.0000	0.0000	0	0.00
Oct 2019	DAUS	16.70 Call	250	696.1332	683.2943	0.0000	0.0000	0	0.00
Oct 2019	DAUS	17.09 Call	250	617.8402	606.9995	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	187.6947	212.3822	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.20 Put	250	623.9419	660.9609	0.0000	0.0000	0	0.00
Nov 2019	DAUS	14.25 Put	250	646.0454	684.0777	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	931.4620	912.1961	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.87 Call	250	727.8604	714.2015	0.0000	0.0000	0	0.00
Nov 2019	DAUS	17.26 Call	250	651.4635	639.6897	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	206.1327	230.2614	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.20 Put	250	645.2645	682.7252	0.0000	0.0000	0	0.00
Dec 2019	DAUS	14.25 Put	250	667.4955	706.0227	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	960.1468	940.7053	0.0000	0.0000	0	0.00
Dec 2019	DAUS	17.05 Call	250	761.7317	747.5792	0.0000	0.0000	0	0.00

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	Dec 2019	DAUS	17.44 Call	250	687.2627	674.8882	0.0000	0.0000	0	0.00		
				849,709					0.00	0.00	21 034 416.00	0.00
			<b>Total</b>	<b>970,014</b>					<b>1,966.00</b>	<b>28,638,833.20</b>	31 786 842.00	131 697 687 862.70
<b>Future</b>												
	Dec 2018	EUUS	Future	40	1.1441	1.1503	0.0000	0.0000	0	0.00		
				40					0.00	0.00	744 445.00	8 445 126 755.00
			<b>Total</b>	<b>40</b>					<b>0.00</b>	<b>0.00</b>	744 445.00	8 445 126 755.00
<b>Future</b>												
	Dec 2018	GBUS	Future	30	1.2942	1.3004	0.0000	0.0000	0	0.00		
				30					0.00	0.00	169 421.00	2 180 058 224.00
			<b>Total</b>	<b>30</b>					<b>0.00</b>	<b>0.00</b>	169 421.00	2 180 058 224.00
<b>Future</b>												
	Dec 2018	JYZA	Future	8,000	7.6930	7.6991	0.0000	0.0000	72,000	716,068,542.67		
				8,000					72,000.00	716,068,542.67	172 549.00	1 714 604 665.33
			<b>Total</b>	<b>8,000</b>					<b>72,000.00</b>	<b>716,068,542.67</b>	448 349.00	1 714 604 665.33
<b>Future</b>												
	Dec 2018	ZAAD	Future	33,985	10.3230	10.2506	10.3267	10.1304	2,399	24,256,700.40		
	Mar 2019	ZAAD	Future	420	10.4619	10.3857	0.0000	0.0000	0	0.00		
	Jun 2019	ZAAD	Future	4,929	10.5960	10.5163	0.0000	0.0000	0	0.00		
				39,334					2,399.00	24,256,700.40	3 746 121.00	32 655 462 158.80
			<b>Total</b>	<b>39,334</b>					<b>2,399.00</b>	<b>24,256,700.40</b>	3 778 498.00	32 655 462 158.80
<b>Future</b>												
	Dec 2018	ZACA	Future	600	11.2150	11.0809	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>												
	Dec 2018	ZADK	Future	240	2.4226	2.2606	0.0000	0.0000	0	0.00		
				240					0.00	0.00	12 335.00	265 809 909.00
			<b>Total</b>	<b>240</b>					<b>0.00</b>	<b>0.00</b>	12 335.00	265 809 909.00
<b>Future</b>												
	Dec 2018	ZAEU	Future	106,385	16.6771	16.6908	16.6800	16.3400	116	1,905,173.40		
	Mar 2019	ZAEU	Future	36,311	17.0262	17.0363	0.0000	0.0000	0	0.00		
	Jun 2019	ZAEU	Future	4,906	17.3554	17.3614	0.0000	0.0000	0	0.00		
	Sep 2019	ZAEU	Future	8,262	17.7193	17.7238	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
			155,864					116.00	1,905,173.40	15 587 301.00	224 127 276 426.10	
<b>Option</b>												
	Mar 2019	ZAEU	15.60 Put	462	159.8003	155.6765	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	16.00 Call	650	1288.8180	1294.9732	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	17.33 Put	462	912.6671	911.5868	0.0000	0.0000	0	0.00		
	Mar 2019	ZAEU	19.65 Call	462	170.8388	175.2919	0.0000	0.0000	0	0.00		
			2,036					0.00	0.00	10 794 964.00	0.00	
	<b>Total</b>		<b>157,900</b>					<b>116.00</b>	<b>1,905,173.40</b>	26 382 265.00	224 127 276 426.10	
<b>Future</b>												
	Dec 2018	ZAFR	Future	1,748	14.6713	14.6444	0.0000	0.0000	0	0.00		
	Jun 2019	ZAFR	Future	150	15.3008	15.2646	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	438,782	18.8643	18.8685	18.7400	18.4499	1,169	21,732,763.10		
	Mar 2019	ZAGB	Future	8,145	19.1888	19.1902	19.1428	19.1428	1	19,142.80		
	Jun 2019	ZAGB	Future	5,506	19.4921	19.4890	0.0000	0.0000	0	0.00		
	Sep 2019	ZAGB	Future	10,363	19.8262	19.8204	0.0000	0.0000	0	0.00		
			462,796						1,170.00	21,751,905.90	12 834 392.00	218 381 917 158.60
<b>Option</b>												
	Dec 2018	ZAGB	19.30 Call	200	326.3163	330.3072	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	18.00 Put	500	349.1307	345.7710	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	19.19 Put	1,000	841.3303	836.8804	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	20.00 Call	500	538.1756	535.1046	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	20.18 Call	1,500	485.9674	482.9159	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	21.44 Call	500	239.2620	235.8702	0.0000	0.0000	0	0.00		
			4,200					0.00	0.00	1 779 113.00	0.00	
	<b>Total</b>		<b>466,996</b>					<b>1,170.00</b>	<b>21,751,905.90</b>	14 613 505.00	218 381 917 158.60	
<b>Future</b>												
	Dec 2018	ZAJY	Future	6,905	0.1300	0.1299	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	0.1406	0.1416	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	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
<b>Future</b>											
Dec 2018	ZATR	Future	10,000	2.4907	2.4299	0.0000	0.0000	0	0.00		
			<u>10,000</u>					<u>0.00</u>	<u>0.00</u>	<u>385 239.00</u>	<u>1 233 437 569.00</u>
		<b>Total</b>	<b>10,000</b>					<b>0.00</b>	<b>0.00</b>	<b>385 239.00</b>	<b>1 233 437 569.00</b>
<b>Future</b>											
Dec 2018	ZAUM	Future	320	14.5763	14.5097	0.0000	0.0000	34	48,966,200.00		
Mar 2019	ZAUM	Future	10	14.7519	14.6812	0.0000	0.0000	0	0.00		
			<u>330</u>					<u>34.00</u>	<u>48,966,200.00</u>	<u>153 125.00</u>	<u>177 007 749 060.00</u>
		<b>Total</b>	<b>330</b>					<b>34.00</b>	<b>48,966,200.00</b>	<b>157 648.00</b>	<b>177 007 749 060.00</b>
<b>Future</b>											
Dec 2018	ZAUS	Future	830,628	14.5763	14.5097	14.6408	14.2400	107,651	1,556,209,236.80		
Mar 2019	ZAUS	Future	53,245	14.7519	14.6812	14.7658	14.4100	4,183	61,088,219.60		
Jun 2019	ZAUS	Future	19,376	14.9163	14.8416	14.8301	14.8301	980	14,545,355.00		
Sep 2019	ZAUS	Future	18,444	15.0955	15.0169	0.0000	0.0000	1,455	21,817,725.00		
Dec 2019	ZAUS	Future	2,200	15.2708	15.1884	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	3,966	15.4634	15.3763	0.0000	0.0000	0	0.00		
			<u>927,859</u>					<u>114,269.00</u>	<u>1,653,660,536.40</u>	<u>188 302 716.00</u>	<u>2 256 851 642 256.00</u>
<b>Option</b>											
Dec 2018	ZAUS	11.64 Put	2,764	2.2338	2.1581	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	11.75 Put	228,616	2.7121	2.4922	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	11.90 Put	11,300	3.2136	3.0392	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.00 Put	174,530	3.6045	3.4745	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.02 Put	5,500	3.6889	3.5694	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.10 Put	8,580	4.0491	3.9777	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.20 Put	7,300	4.5558	4.5607	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.25 Put	3,300	4.8358	4.8864	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.38 Put	39,589	5.6594	5.8584	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.50 Call	228,616	2082.8640	2016.6460	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.50 Put	26,400	6.5640	6.9460	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.63 Put	39,589	7.7370	8.3809	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.68 Put	10,000	8.2515	9.0174	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.75 Put	1,000	9.0395	10.0001	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.95 Put	500	11.8223	13.5283	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.00 Call	6,000	1588.9672	1524.3135	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.00 Put	177,520	12.6672	14.6135	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.05 Put	1,500	13.5842	15.7964	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.10 Put	11,300	14.5796	18.6397	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.20 Call	7,100	1394.9339	1335.2663	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.22 Put	5,500	19.9453	27.1713	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	13.25 Call	10,000	1348.3498	1289.4265	0.0000	0.0000	0	0.00		



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Dec 2018	ZAUS	13.25 Put	17,800	22.0498	29.7265	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	27.6461	36.4295	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	28.5287	37.4760	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1167.2277	1111.6443	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	40.9277	51.9443	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1123.4652	1068.7946	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	47.1652	59.0946	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	61.7594	75.5877	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	75.6490	91.0486	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	79.4488	95.2487	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	89.5489	106.3542	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	98.2636	115.8798	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,164	876.8322	828.0566	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	500	100.5322	118.3566	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	125.4619	146.6131	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	765.7778	721.9673	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,200	730.7992	688.6618	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	154.4992	178.9618	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	187.6346	215.5056	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	194.7615	223.3215	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	644.6901	606.9952	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	205.7701	235.3660	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	209.5255	239.4671	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	601.2649	565.9900	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	224.9649	256.2900	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	241.0835	273.7904	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	571.5209	537.9706	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	266.5365	301.3062	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	526.1352	495.3290	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	279.8352	315.6290	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	515.2130	485.0837	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	288.9130	325.3837	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	307.5715	345.3925	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	488.6405	460.1960	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	468.1375	441.0187	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	1,200	438.6216	413.4577	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	362.3216	403.7577	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	367.5450	409.4895	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	392.6726	372.5029	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,500	416.3726	462.8029	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	388.5214	368.6172	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	384.4093	364.7663	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.67 Put	3,000	458.1312	506.3662	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	352.8986	335.2738	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	501.7397	551.6725	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	334.4158	317.9836	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	508.1158	558.2836	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	316.8314	301.5327	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	540.5314	591.8327	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	303.3863	288.9600	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	300.1097	285.8944	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	607.9233	661.3355	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	254.8211	243.5303	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	25,700	678.5211	733.8303	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	252.0472	240.9340	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	230.8909	221.1328	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	228.3715	218.7752	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	216.1750	207.3555	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Call	4,050	204.6262	196.5335	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	828.3262	886.8335	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	867.3914	926.5832	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	907.0437	966.6017	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	169.7335	163.2157	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	153.5457	147.8095	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	150.1649	144.5895	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	146.8598	141.4422	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1070.5598	1131.7422	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	145.2351	139.8931	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	132.8839	128.1155	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	131.4172	126.7152	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	129.9672	125.3321	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	117.6406	113.5583	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	113.8057	109.8929	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1364.5286	1427.7743	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	99.7283	96.4196	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	93.3886	90.3434	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	5,050	84.6686	81.6157	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	74.7718	71.7850	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	72.1976	69.3164	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	67.3163	64.6325	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	64.2490	61.6884	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	44.3326	42.5457	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	33.6771	32.2858	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	26.8619	25.7183	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	10.33 Put	1,000	3.4960	2.7284	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	11.5902	10.0634	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	36.4583	37.7629	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	38.7431	40.3366	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	68.2559	74.0171	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	70.1795	76.2273	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	78.3351	85.6102	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	83.8235	91.9331	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	92.0469	101.4095	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	95.7705	105.7043	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	109.0948	121.0667	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	122.0364	137.1259	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	127.9652	143.5267	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	149.1920	166.3636	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	158.3311	176.1611	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	170.2910	188.9540	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	4,000	182.8553	202.3646	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	204.2381	225.1175	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	209.8340	231.0606	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	215.5311	237.1032	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	224.2689	246.3641	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	236.2759	259.0709	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	258.2849	282.3129	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	271.4344	296.1698	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	306.1518	334.0259	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	321.7383	350.4993	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	388.6603	420.8819	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	424.8048	458.7357	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	886.0177	849.6754	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	457.8767	493.2862	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	502.3436	539.6269	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	507.4168	544.9088	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	794.7020	762.1027	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	785.0854	752.8953	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	533.1854	571.6953	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	548.9636	588.0778	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	564.9711	604.6847	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	614.3712	655.8573	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	665.7930	709.2309	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	707.5632	752.2862	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	713.6335	758.5309	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	719.7308	764.7945	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	725.8478	771.0845	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.99 Call	100	582.2606	559.2415	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	852.9640	901.4257	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	892.7876	942.1561	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	906.2277	955.8922	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	912.9801	962.7878	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	522.0837	501.7711	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	953.9049	1004.5775	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	960.7932	1011.6072	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1044.9670	1097.4185	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	441.0254	424.4282	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	438.3882	421.9269	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	428.0184	412.0855	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	423.0115	407.2580	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	418.0695	402.4963	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	389.7314	375.1789	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	357.3045	343.9126	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	353.2180	339.9699	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	341.2731	328.4509	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	10,000	320.5668	308.4771	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	297.9567	286.6626	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	270.5675	259.0619	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	258.0312	246.9910	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	229.4026	219.4261	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	226.7378	216.8626	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	184.2928	176.0032	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	183.2479	174.9996	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	178.1359	170.0781	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	172.2143	164.3797	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	171.2499	163.4513	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	170.2895	162.5290	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	158.3786	151.0657	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	152.3680	145.2825	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	136.6147	130.1258	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	109.6952	104.5703	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	95.6465	90.5841	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	8.1843	7.6523	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	38.2770	36.7495	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	87.4106	91.1066	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	123.6476	132.0048	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	127.2334	136.0626	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	176.0879	191.4265	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	13.83 Put	25,000	343.9805	370.7694	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.88 Put	5,035	361.5371	389.2117	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	13.98 Call	1,000	1334.5695	1289.3240	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.42 Call	30	1090.4909	1054.5887	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	1014.2122	981.0174	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.63 Put	8,203	705.1862	747.5124	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.82 Call	30,000	909.7469	880.3889	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.10 Call	1,000	801.0593	775.7495	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.55 Call	25,000	653.9710	634.6582	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.62 Call	5,035	633.8848	615.4699	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	585.9424	569.4869	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	556.3963	541.0801	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	16.00 Call	20	537.6806	523.0893	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	17.96 Call	8,203	242.1317	236.8071	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	14.5862	14.1810	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	59.0052	75.0267	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.91 Put	81,930	451.6106	481.5637	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	474.4861	505.5494	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.09 Put	33,715	522.2410	555.5333	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.14 Put	141,127	542.9243	577.1509	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	572.6563	608.1926	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.33 Put	33,151	625.7051	666.0890	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	829.9589	876.9175	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1232.7302	1287.5448	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.55 Call	30,000	891.3922	869.7470	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1352.6706	1409.7491	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	794.7569	777.0727	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	502.6456	492.8038	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	441.2181	432.7641	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	413.5671	405.7103	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	403.6458	396.0015	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.29 Call	81,930	367.2304	362.7131	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	352.9188	348.6695	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	341.0944	337.0581	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.67 Call	141,127	338.2634	334.2759	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	298.3473	294.9991	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	41.1935	48.6663	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	415.7711	445.4277	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	660.0753	648.1729	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	386.1410	372.9781	0.0000	0.0000	0	0.00		
			<u>8,234,512</u>					<u>0.00</u>	<u>0.00</u>	<u>60 810 233.00</u>	<u>0.00</u>

<u>DATE</u>	<u>CONTRACT</u>	<u>OPEN INT</u>	<u>MTM</u>	<u>PREV MTM</u>	<u>HIGH</u>	<u>LOW</u>	<u>DAILY VOLUME</u>	<u>CUMULATIVE VOLUME</u>		
		<b>Total</b>	<b>9,162,371</b>				<b>114,269.00</b>	<b>1,653,660,536.40</b>	<b>249 112 949.00</b>	<b>2 256 851 642 256.00</b>
		<b>Grand Total</b>	<b>10,920,474</b>				<b>191,954.00</b>	<b>2 495 247 891.97</b>	<b>340,293,875</b>	<b>3,129,972,933,055.05</b>