



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 12-November-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Nov 2018	DAEU	Future	37	16.2396	16.2489	0.0000	0.0000	0	0.00		
			37					0.00	0.00	801 399.00	11 967 156 360.40
Option											
Aug 2019	DAEU	17.01 Put	31,200	931.1344	926.3996	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	418.9161	417.0160	0.0000	0.0000	0	0.00		
			93,600					0.00	0.00	1 390 587.00	0.00
		Total	93,637					0.00	0.00	2 191 986.00	11 967 156 360.40
Future											
Nov 2018	DAGB	Future	13	18.5887	18.6618	0.0000	0.0000	0	0.00		
Jan 2019	DAGB	Future	22	18.7999	18.8749	0.0000	0.0000	0	0.00		
			35					0.00	0.00	53 976.00	889 480 988.60
		Total	35					0.00	0.00	261 289.00	889 480 988.60
Future											
Nov 2018	DAUS	Future	70	14.3726	14.2793	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	24	14.3727	14.2809	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	308	14.3744	14.2826	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	179	14.3849	14.2931	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	368	14.3956	14.3036	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.3973	14.3054	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	2,727	14.3991	14.3072	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	500	14.4116	14.3195	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,672	14.4205	14.3283	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,420	14.4543	14.3627	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.4579	14.3664	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	150	14.4810	14.3899	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.5081	14.4162	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,693	14.5099	14.4180	0.0000	0.0000	400	5,801,760.00		
Feb 2019	DAUS	Future	70	14.5333	14.4408	0.0000	0.0000	0	0.00		

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Feb 2019	DAUS	Future	5,841	14.5606	14.4677	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	14.6098	14.5162	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,029	14.6134	14.5198	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.6207	14.5270	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.6718	14.5773	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.7281	14.6328	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.7844	14.6881	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.8407	14.7435	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.8996	14.8012	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.9552	14.8556	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.0090	14.9082	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	15.0704	14.9689	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.1313	15.0296	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.1883	15.0864	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.2493	15.1472	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.3102	15.2079	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.3633	15.2609	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.4302	15.3275	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.5403	15.4372	0.0000	0.0000	0	0.00		
			<u>113,403</u>					<u>400.00</u>	<u>5,801,760.00</u>	<u>10 812 608.00</u>	<u>132 562 922 746.10</u>

Option

Nov 2018	DAUS	14.34 Put	171	84.7561	160.8503	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.50 Call	171	57.3787	54.5503	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.0000	0.0114	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	0.0000	0.0237	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1154.7498	1063.6313	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.32 Call	15,000	145.2064	125.6958	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	28.8358	25.2696	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	26.5371	23.0624	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.78 Call	30,000	22.4761	19.1563	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	14.2677	11.2911	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	529.8677	618.6911	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.67 Put	20,000	8.3376	16.9489	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	20,000	44.8235	78.1158	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.76 Call	4,000	97.3317	89.7692	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	3.9159	6.4566	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	34.1959	59.0923	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	42.1984	70.2532	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	416.4819	368.1785	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	160.5746	215.4485	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	282.1436	248.2192	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.80 Call	600	103.3741	94.2797	0.0000	0.0000	0	0.00

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Nov 2018	DAUS	14.82 Call	250	99.0826	90.5211	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	1.5263	1.7506	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	0.6330	0.8607	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1079.5480	1168.9185	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	65,000	44.8312	67.9767	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	74.3570	105.4714	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	213.9083	267.3925	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	606.0610	686.2467	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	945.3726	1032.5087	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	125	48.2585	71.5764	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.07 Call	125	468.9031	417.1699	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.50 Call	125	239.5501	212.7142	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	43.6511	60.8660	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	81.3524	110.0964	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	105.4017	93.9287	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	37.9910	34.4988	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	117.0077	148.9046	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	268.7998	318.1805	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	647.3253	720.2244	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	970.1288	1050.9755	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	16.6837	24.5958	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	23.1969	33.2253	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	256.6149	230.1000	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	228.0249	204.3606	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	10.3148	15.3237	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	113.6759	142.4441	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	495.3376	448.7809	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	274.5639	320.7375	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	714.4260	785.3572	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	16.8270	15.4825	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	7.5639	7.2119	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.64 Put	250	90.6956	113.1586	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.12 Call	250	582.9733	532.9440	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.65 Call	250	330.0128	299.9292	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	15.7038	18.6808	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.88 Call	4,000	345.5158	319.0863	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	36.0931	44.5226	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	327.0928	372.4913	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	350.1509	397.0516	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	544.1443	502.9413	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	279.7168	258.2058	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	206.6323	190.9241	0.0000	0.0000	0	0.00

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Feb 2019	DAUS	13.00 Put	500	60.4787	69.4054	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	382.1540	426.8571	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	405.6337	451.7442	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	586.1564	547.5278	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	337.0951	314.1563	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	259.4459	242.0091	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	338.8798	376.8958	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	85.2090	95.9102	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	430.7844	473.9087	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	454.6152	499.0069	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	625.3062	586.7833	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	386.1062	361.2111	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	309.5632	289.3334	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.04 Call	4,000	578.6086	543.5107	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	110.0948	122.6891	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1394.4302	1323.3954	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	474.0776	515.6025	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	498.0900	540.7726	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	659.6445	620.4433	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	430.0596	402.9995	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	356.9723	333.9696	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	131.0467	145.7708	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	511.9540	553.1482	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	536.1750	578.4528	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	690.4811	652.0174	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	469.5614	441.9718	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	396.2318	371.7417	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	813.1135	864.8754	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	274.4053	256.9355	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	145.7478	163.4827	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	541.6888	583.6896	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	566.0950	609.0934	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	714.6786	677.1876	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	500.9535	473.6094	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	429.1773	403.6006	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	263.9982	287.9138	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	417.3709	392.6600	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	161.3354	181.3155	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	573.5059	615.6077	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	598.0136	641.0700	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	746.9870	710.0015	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	539.0135	511.3360	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	16.50 Call	250	467.1560	441.7563	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,147	729.2496	776.5048	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,147	524.8270	497.3142	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	175.6496	196.8735	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	600.2542	642.6183	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	624.8178	668.0906	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	768.1192	731.5083	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	566.6561	538.6672	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	493.7268	468.4927	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	258.0035	247.6734	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	192.2078	213.9848	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	624.2792	666.4994	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	648.8377	691.9560	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	795.2311	759.2033	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	597.4360	568.6697	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	521.8799	496.5952	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	207.9191	229.2357	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	648.8875	689.6185	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	671.8594	715.0567	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	814.7135	779.1584	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	621.1224	592.5781	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	548.2678	522.8708	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	224.2528	245.3385	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	672.1242	710.7482	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	695.2551	736.1812	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	841.3526	805.1135	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	649.8963	620.8107	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	578.7778	552.6250	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	243.2680	262.7356	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	696.1581	733.6638	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	719.5038	757.8584	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	870.6834	833.2800	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	683.9408	653.3453	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	614.2690	586.4048	0.0000	0.0000	0	0.00		
			<u>936,324</u>					<u>0.00</u>	<u>0.00</u>	<u>21 833 541.00</u>	<u>0.00</u>
Total			1,049,727					400.00	5,801,760.00	32 646 149.00	132 562 922 746.10
Future											
Dec 2018	EUUS	Future	50	1.1291	1.1370	0.0000	0.0000	0	0.00		
			<u>50</u>					<u>0.00</u>	<u>0.00</u>	<u>744 705.00</u>	<u>8 448 109 050.00</u>
Total			50					0.00	0.00	744 705.00	8 448 109 050.00

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Future											
Dec 2018	ZAAD	Future	23,928	10.4011	10.3798	10.4096	10.4096	55	572,528.00		
Mar 2019	ZAAD	Future	420	10.5377	10.5163	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,932	10.6714	10.6481	0.0000	0.0000	0	0.00		
			<u>29,280</u>					<u>55.00</u>	<u>572,528.00</u>	<u>3 765 504.00</u>	<u>32 858 186 863.60</u>
	Total		29,280					55.00	572,528.00	3 797 881.00	32 858 186 863.60
Future											
Dec 2018	ZACA	Future	500	10.9278	10.8669	0.0000	0.0000	0	0.00		
Mar 2019	ZACA	Future	400	11.0761	11.0148	0.0000	0.0000	0	0.00		
			<u>900</u>					<u>0.00</u>	<u>0.00</u>	<u>139 153.00</u>	<u>1 371 857 786.60</u>
	Total		900					0.00	0.00	139 153.00	1 371 857 786.60
Future											
Dec 2018	ZADK	Future	240	2.1874	2.1886	0.0000	0.0000	0	0.00		
			<u>240</u>					<u>0.00</u>	<u>0.00</u>	<u>12 335.00</u>	<u>265 809 909.00</u>
	Total		240					0.00	0.00	12 335.00	265 809 909.00
Future											
Dec 2018	ZAEU	Future	135,508	16.2866	16.2956	0.0000	0.0000	22	358,450.40		
Mar 2019	ZAEU	Future	36,636	16.6283	16.6373	16.6769	16.6769	1	16,676.90		
Jun 2019	ZAEU	Future	4,906	16.9468	16.9540	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	Future	8,262	17.2985	17.3005	0.0000	0.0000	0	0.00		
			<u>185,312</u>					<u>23.00</u>	<u>375,127.30</u>	<u>15 661 783.00</u>	<u>225 366 130 225.90</u>
Option											
Mar 2019	ZAEU	15.60 Put	462	214.2605	216.4819	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	16.00 Call	650	978.1123	988.0087	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	17.33 Put	462	1122.9042	1117.5739	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	19.65 Call	462	99.9623	100.9878	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	55,000	699.6684	695.8469	0.0000	0.0000	0	0.00		
			<u>57,036</u>					<u>0.00</u>	<u>0.00</u>	<u>10 904 964.00</u>	<u>0.00</u>
	Total		242,348					23.00	375,127.30	26 566 747.00	225 366 130 225.90
Future											
Dec 2018	ZAFR	Future	1,616	14.3281	14.2750	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	14.9402	14.8826	0.0000	0.0000	0	0.00		
			<u>1,766</u>					<u>0.00</u>	<u>0.00</u>	<u>620 908.00</u>	<u>6 672 647 028.20</u>
	Total		1,766					0.00	0.00	620 908.00	6 672 647 028.20
Future											
Dec 2018	ZAGB	Future	455,271	18.6330	18.7060	18.5709	18.5709	1,590	29,530,565.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Mar 2019	ZAGB	Future	11,147	18.9495	19.0232	0.0000	0.0000	0	0.00
Jun 2019	ZAGB	Future	5,506	19.2430	19.3148	0.0000	0.0000	0	0.00
Sep 2019	ZAGB	Future	10,363	19.5636	19.6315	0.0000	0.0000	0	0.00
			<u>482,287</u>					<u>1,590.00</u>	<u>29,530,565.00</u>
									<u>12 882 671.00</u>
									<u>219 295 913 680.20</u>
Option									
Dec 2018	ZAGB	19.30 Call	200	156.7367	183.3744	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	18.00 Put	500	332.0667	317.1252	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	19.19 Put	1,000	878.3800	843.6710	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	20.00 Call	500	383.3416	409.7793	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	20.18 Call	1,500	342.3603	366.6705	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	21.44 Call	500	153.0095	166.1337	0.0000	0.0000	0	0.00
			<u>4,200</u>					<u>0.00</u>	<u>0.00</u>
									<u>1 779 113.00</u>
									<u>0.00</u>
		Total	486,487					1,590.00	29,530,565.00
									14 661 784.00
									219 295 913 680.20
Future									
Dec 2018	ZAJY	Future	6,905	0.1270	0.1262	0.0000	0.0000	0	0.00
			<u>6,905</u>					<u>0.00</u>	<u>0.00</u>
		Total	6,905					0.00	0.00
									1 021 902.00
									11 470 576 312.50
Future									
Jun 2019	ZAKS	Future	2,166	0.1393	0.1390	0.0000	0.0000	0	0.00
			<u>2,166</u>					<u>0.00</u>	<u>0.00</u>
		Total	2,166					0.00	0.00
									38 066.00
									515 662 000.00
Future									
Dec 2018	ZAUM	Future	396	14.4240	14.3318	14.4464	14.4259	10	14,436,150.00
Mar 2019	ZAUM	Future	5	14.5934	14.5000	0.0000	0.0000	0	0.00
			<u>401</u>					<u>10.00</u>	<u>14,436,150.00</u>
		Total	401					10.00	14,436,150.00
									158 201.00
									177 815 284 560.00
Future									
Dec 2018	ZAUS	Future	802,110	14.4240	14.3318	14.5000	14.4200	45,727	660,431,936.70
Mar 2019	ZAUS	Future	54,269	14.5934	14.5000	14.6413	14.5897	5,778	84,332,553.70
Jun 2019	ZAUS	Future	19,380	14.7536	14.6578	14.8150	14.8150	2	29,630.00
Sep 2019	ZAUS	Future	14,099	14.9255	14.8266	14.9605	14.9605	400	5,984,200.00
Dec 2019	ZAUS	Future	10,270	15.0920	14.9904	15.0872	15.0872	400	6,034,880.00
Mar 2020	ZAUS	Future	3,966	15.2768	15.1746	0.0000	0.0000	0	0.00
			<u>904,094</u>					<u>52,307.00</u>	<u>756,813,200.40</u>
									189 259 535.00
									2 270 740 124 936.20
Option									
Dec 2018	ZAUS	11.64 Put	2,764	0.2861	0.5591	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	0.3701	0.6952	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	11.90 Put	11,300	0.5259	0.9378	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	0.6652	1.1469	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	0.6973	1.1941	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	0.8419	1.4045	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	1.0661	1.7227	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	1.2000	1.9092	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	1.6336	2.4987	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	1926.1741	1835.0121	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	2.1741	3.2121	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	2.9667	4.2297	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	3.3446	4.7062	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	3.9569	5.4694	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	6.4091	8.9667	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	1431.5626	1342.3906	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	7.5626	10.5906	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	8.8997	12.4676	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	10.4456	14.6303	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1238.2749	1151.7520	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	15.1754	21.1965	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1190.6202	1104.9888	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	16.6202	23.1888	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	20.4731	28.4682	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	21.0832	29.3000	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1003.7359	922.7957	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	29.7359	40.9957	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	958.1595	878.7052	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	34.1595	46.9052	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	68,500	44.7180	60.8435	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	55.0405	75.1510	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	57.9114	79.4741	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	67.2831	91.0532	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	75.5450	101.1377	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	500	701.7193	635.5749	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	500	77.7193	103.7749	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	101.9718	132.8015	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	589.8800	530.9739	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,000	555.0275	498.6177	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	131.0275	166.8177	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	165.1577	205.9916	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	172.6096	214.4539	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	470.4146	420.5627	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	235,564	184.1832	227.5391	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.16 Put	36,200	188.1470	232.0050	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	428.5332	382.1930	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	204.5332	250.3930	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	221.7705	269.6160	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	400.2129	356.3505	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	249.2212	299.9971	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	357.6614	317.6782	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	263.6614	315.8782	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	347.5513	308.5177	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	273.5513	326.7177	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	293.9588	350.0368	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	323.1907	287.7899	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	305.6892	272.0838	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	11,200	280.9480	249.9277	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	356.9480	418.1277	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	362.9971	424.5928	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	81,900	243.5753	216.5487	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	1,000	419.5753	484.7487	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	240.0914	213.4432	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	236.6522	210.3784	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	466.1112	533.8483	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	210.6982	187.2724	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	514.7179	584.8245	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	195.8240	174.0525	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	521.8240	592.2525	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	181.9239	161.7108	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	557.9239	629.9108	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.82 Call	250	176.6258	157.0088	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	171.4742	152.4385	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	168.9509	150.2012	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	632.8526	707.6770	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	135.0936	120.2039	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	20,000	711.0936	788.4039	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	133.0849	118.4261	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	118.0297	104.9498	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	116.2678	103.3551	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	107.6291	95.7267	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Call	50	99.6099	88.6494	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	875.6099	956.8494	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	918.1719	1000.2850	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	961.2773	1044.2005	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	76.4706	68.2289	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.46 Call	1,867	66.4602	59.3920	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	64.4194	57.5893	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	62.4413	55.8429	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1138.4413	1224.0429	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	61.4757	54.9898	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	54.2705	48.6236	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	53.4323	47.8825	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	52.6064	47.1529	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	45.7374	41.0770	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	43.6572	39.2350	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1452.8251	1541.0012	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	36.2617	32.2132	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	32.5069	28.8867	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	5,000	27.5514	24.4969	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	22.4596	19.9857	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	21.2339	18.8999	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	18.9707	16.8946	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	17.5918	15.6726	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	9.5390	8.5282	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	5.9814	5.3643	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	4.0397	3.6333	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	2.4168	2.7475	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	10.2358	12.5569	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	34.6384	40.4057	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	36.8606	42.8979	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	65.9458	75.1832	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	67.8608	77.2934	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	15,434	76.0088	86.2513	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	81.5139	92.2899	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	89.7898	104.1852	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	93.5489	109.6106	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	110.9811	129.1709	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	126.5432	146.5190	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	132.7637	153.4278	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.40 Put	2,100	141.3881	162.9900	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	155.0588	178.0947	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	164.6699	188.6799	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	177.2562	202.5071	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	9,570	190.4858	216.9987	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	213.0251	241.5950	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	218.9274	248.0176	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	224.9378	254.5536	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.75 Put	17,981	234.1586	264.5629	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	246.8345	278.2973	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	266.6853	300.9714	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	270.3354	304.8929	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	285.2272	320.8820	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	17,406	324.5614	362.9492	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	341.1345	380.6079	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	412.1696	455.9318	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	450.4944	496.3567	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	753.7643	706.7466	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	485.5356	533.2034	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.42 Put	2,100	521.9576	571.3980	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	532.6110	582.5521	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	537.9823	588.1726	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	667.6537	625.1830	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	658.6382	616.6583	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	565.2382	616.6583	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	581.9155	634.3468	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	598.8324	652.2680	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	651.5304	707.3983	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	706.7212	764.5169	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	751.0219	810.2607	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	757.4483	816.8887	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	763.8949	823.5358	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	770.3684	830.2087	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.99 Call	100	473.5790	442.8994	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	200	470.4119	439.9121	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	904.5500	968.1763	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	946.4844	1011.1683	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	960.6261	1025.6534	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	967.7254	1032.9263	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	419.7274	392.1996	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1010.7457	1076.9510	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1017.9854	1084.3509	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	405.9188	379.2116	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1106.3016	1174.7410	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	348.4552	325.5169	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	346.1709	323.3803	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	337.2038	314.9826	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	332.8167	310.8749	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	328.4887	306.8227	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	303.7901	283.7067	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	15.81 Call	10	275.7619	257.4900	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	272.2469	254.2032	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	262.0063	244.6291	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.98 Call	2,100	247.4486	230.7235	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	244.3417	227.6249	0.0000	0.0000	10,000	0.00
Mar 2019	ZAUS	16.13 Call	138,000	224.4037	208.5229	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	200.3873	186.1058	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	190.0591	176.4729	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	166.7035	154.6990	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	164.5467	152.6896	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	130.6064	121.0852	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	129.7837	120.3189	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	125.7560	116.5711	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	121.1077	112.2476	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	120.3528	111.5446	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	119.6014	110.8467	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	110.3236	102.2177	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	105.6715	97.8926	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	93.5888	87.8549	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	74.9688	70.5575	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	63.9103	60.2697	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	7.1742	7.5501	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	41.8667	50.3379	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	95.5083	109.1831	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	134.9134	151.4004	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	138.8079	155.5407	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	191.7290	211.4936	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	370.2399	401.6547	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	388.8401	421.3418	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1201.3170	1142.4297	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	972.1412	922.7792	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	899.7512	853.4337	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	754.6338	805.0430	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	801.0267	758.7835	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,000	699.6009	661.7267	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	5,035	546.2734	515.7709	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	502.7191	474.3236	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	475.9265	448.8415	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	458.9954	432.7507	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	197.5493	186.3339	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	14.0763	14.8001	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	81.5873	92.9729	0.0000	0.0000	0	0.00

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Sep 2019	ZAUS	13.91 Put	81,930	489.2162	523.0199	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	513.5446	548.4233	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.09 Put	33,715	564.2444	601.2810	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.14 Put	141,127	586.1772	625.3473	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	617.9949	660.3108	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.33 Put	33,151	677.9619	722.4519	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	891.5315	942.7429	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1307.4272	1367.2376	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1431.3747	1493.4127	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	710.5556	677.5068	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	438.6859	416.7891	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	382.0717	362.9508	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	356.6835	339.9334	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	347.5912	333.0547	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.29 Call	81,930	317.5949	304.9553	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	304.4977	292.4908	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	293.6868	282.2011	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.67 Call	141,127	291.0969	279.7368	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	254.6618	243.9329	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	51.0179	49.7811	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	458.8241	488.5791	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	587.6578	561.0984	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	322.5333	300.6190	0.0000	0.0000	0	0.00		
			<u>8,162,560</u>					<u>10,000.00</u>	<u>0.00</u>	<u>61 479 599.00</u>	<u>0.00</u>
	Total		9,066,654					62,307.00	756,813,200.40	250 739 134.00	2 270 740 124 936.20
	Grand Total		10,980,596					64,385.00	807 529 330.70	343,068,708	3,148,187,065,847.73