



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 13-November-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Nov 2018	DAEU	Future	37	16.3493	16.2396	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	871.7290	931.1344	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	437.1054	418.9161	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	18.7833	18.5887	0.0000	0.0000	0	0.00		
Jan 2019	DAGB	Future	22	18.9955	18.7999	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	0	14.4663	14.3726	0.0000	0.0000	70	1,010,800.00		
Nov 2018	DAUS	Future	24	14.4679	14.3727	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	308	14.4678	14.3744	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	179	14.4776	14.3849	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	368	14.4881	14.3956	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.4898	14.3973	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	2,627	14.4916	14.3991	0.0000	0.0000	100	1,447,590.00		
Dec 2018	DAUS	Future	500	14.5040	14.4116	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,672	14.5129	14.4205	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,420	14.5465	14.4543	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.5501	14.4579	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	150	14.5731	14.4810	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	8	14.5749	14.4860	0.0000	0.0000	8	115,888.00		
Jan 2019	DAUS	Future	55	14.5995	14.5081	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,693	14.6012	14.5099	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>
Feb 2019	DAUS	Future	70	14.6241	14.5333	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	5,841	14.6512	14.5606	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,731	14.7002	14.6098	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	3,029	14.7038	14.6134	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.7111	14.6207	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	14.7619	14.6718	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	14.8183	14.7281	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.8749	14.7844	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.9315	14.8407	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.9905	14.8996	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.0462	14.9552	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	15.1001	15.0090	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	15.1624	15.0704	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.2252	15.1313	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	15.2839	15.1883	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	15.3467	15.2493	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.4095	15.3102	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	15.4642	15.3633	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	15.5330	15.4302	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.6464	15.5403	0.0000	0.0000	0	0.00
			<u>113,241</u>					<u>178.00</u>	<u>2,574,278.00</u>
									<u>10 812 786.00</u>
									<u>132 565 497 024.10</u>
Option									
Nov 2018	DAUS	14.34 Put	171	44.1396	84.7561	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.50 Call	171	73.0233	57.3787	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.0000	0.0000	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	0.0000	0.0000	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1247.9185	1154.7498	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.32 Call	15,000	202.7384	145.2064	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	33.7049	28.8358	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	30.7695	26.5371	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.78 Call	30,000	25.6423	22.4761	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	15.5743	14.2677	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	437.7743	529.8677	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.67 Put	20,000	5.6697	8.3376	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	0	27.1882	44.8235	0.0000	0.0000	20,000	0.00
Nov 2018	DAUS	14.25 Put	20,000	81.1374	0.0000	0.0000	0.0000	20,000	0.00
Nov 2018	DAUS	14.76 Call	4,000	115.1166	97.3317	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	2.8262	3.9159	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	20.1030	34.1959	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	25.6540	42.1984	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	478.8577	416.4819	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	119.0748	160.5746	0.0000	0.0000	0	0.00

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Nov 2018	DAUS	14.30 Call	600	329.7816	282.1436	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.80 Call	600	121.1553	103.3741	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	116.0825	99.0826	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	1.7164	1.5263	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	0.6642	0.6330	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	993.0161	1079.5480	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	65,000	31.4361	44.8312	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	51.7476	74.3570	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	169.2560	213.9083	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	531.1772	606.0610	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	861.8363	945.3726	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	125	34.1472	48.2585	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.07 Call	125	529.2469	468.9031	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.50 Call	125	274.2907	239.5501	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	32.4620	43.6511	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	58.5530	81.3524	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	120.0318	105.4017	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	43.2021	37.9910	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	90.6299	117.0077	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	224.5292	268.7998	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	577.6982	647.3253	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	891.7664	970.1288	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	11.6539	16.6837	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	16.4605	23.1969	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	287.5275	256.6149	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	255.7535	228.0249	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	8.1963	10.3148	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	89.3034	113.6759	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	546.4929	495.3376	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	232.3196	274.5639	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	645.7564	714.4260	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	18.9811	16.8270	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	8.2499	7.5639	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.64 Put	250	70.4360	90.6956	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.12 Call	250	637.7414	582.9733	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.65 Call	250	363.7549	330.0128	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	13.2072	15.7038	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.88 Call	4,000	376.5273	345.5158	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	31.4521	36.0931	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	289.0430	327.0928	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	310.5089	350.1509	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	591.7098	544.1443	0.0000	0.0000	0	0.00

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Jan 2019	DAUS	15.13 Call	250	304.9420	279.7168	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	225.3116	206.6323	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	54.0074	60.4787	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	344.5795	382.1540	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	366.7536	405.6337	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	631.0194	586.1564	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	363.1709	337.0951	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	279.1447	259.4459	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	305.6469	338.8798	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	76.1577	85.2090	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	392.9034	430.7844	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	415.6008	454.6152	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	667.0196	625.3062	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	412.5293	386.1062	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	330.4288	309.5632	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.04 Call	4,000	614.2493	578.6086	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	97.8113	110.0948	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1462.5421	1394.4302	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	436.2246	474.0776	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	459.2333	498.0900	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	699.2237	659.6445	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	456.3857	430.0596	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	378.6165	356.9723	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	115.9527	131.0467	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	474.0935	511.9540	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	497.3681	536.1750	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	728.2572	690.4811	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	495.1886	469.5614	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	417.5397	396.2318	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	766.0764	813.1135	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	288.8960	274.4053	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	130.1278	145.7478	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	503.5851	541.6888	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	527.0789	566.0950	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	751.2038	714.6786	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	526.4067	500.9535	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	450.8870	429.1773	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	240.8317	263.9982	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	439.1064	417.3709	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	143.8238	161.3354	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	535.5983	573.5059	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	559.2283	598.0136	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	15.34 Call	500	782.3639	746.9870	0.0000	0.0000	0	0.00			
Jul 2019	DAUS	16.14 Call	250	564.1293	539.0135	0.0000	0.0000	0	0.00			
Jul 2019	DAUS	16.50 Call	250	489.8021	467.1560	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	14.48 Put	3,147	686.6638	729.2496	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	16.35 Call	3,147	548.4722	524.8270	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	13.00 Put	500	154.0902	175.6496	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	14.20 Put	250	563.8804	600.2542	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	14.25 Put	250	586.1129	624.8178	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	15.52 Call	500	802.2878	768.1192	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	16.33 Call	250	591.2677	566.6561	0.0000	0.0000	0	0.00			
Aug 2019	DAUS	16.70 Call	250	515.9042	493.7268	0.0000	0.0000	0	0.00			
Sep 2019	DAUS	19.00 Call	20,000	265.6322	258.0035	0.0000	0.0000	0	0.00			
Sep 2019	DAUS	13.00 Put	500	171.1640	192.2078	0.0000	0.0000	0	0.00			
Sep 2019	DAUS	14.20 Put	250	589.4444	624.2792	0.0000	0.0000	0	0.00			
Sep 2019	DAUS	14.25 Put	250	611.7051	648.8377	0.0000	0.0000	0	0.00			
Sep 2019	DAUS	15.68 Call	500	828.8424	795.2311	0.0000	0.0000	0	0.00			
Sep 2019	DAUS	16.50 Call	250	622.1072	597.4360	0.0000	0.0000	0	0.00			
Sep 2019	DAUS	16.89 Call	250	543.6805	521.8799	0.0000	0.0000	0	0.00			
Oct 2019	DAUS	13.00 Put	500	186.2896	207.9191	0.0000	0.0000	0	0.00			
Oct 2019	DAUS	14.20 Put	250	614.1604	648.8875	0.0000	0.0000	0	0.00			
Oct 2019	DAUS	14.25 Put	250	636.5418	671.8594	0.0000	0.0000	0	0.00			
Oct 2019	DAUS	15.87 Call	500	846.7699	814.7135	0.0000	0.0000	0	0.00			
Oct 2019	DAUS	16.70 Call	250	645.8298	621.1224	0.0000	0.0000	0	0.00			
Oct 2019	DAUS	17.09 Call	250	569.7885	548.2678	0.0000	0.0000	0	0.00			
Nov 2019	DAUS	13.00 Put	500	199.5124	224.2528	0.0000	0.0000	0	0.00			
Nov 2019	DAUS	14.20 Put	250	636.5821	672.1242	0.0000	0.0000	0	0.00			
Nov 2019	DAUS	14.25 Put	250	659.1352	695.2551	0.0000	0.0000	0	0.00			
Nov 2019	DAUS	16.03 Call	500	873.0806	841.3526	0.0000	0.0000	0	0.00			
Nov 2019	DAUS	16.87 Call	250	674.4974	649.8963	0.0000	0.0000	0	0.00			
Nov 2019	DAUS	17.26 Call	250	600.2570	578.7778	0.0000	0.0000	0	0.00			
Dec 2019	DAUS	13.00 Put	500	217.3439	243.2680	0.0000	0.0000	0	0.00			
Dec 2019	DAUS	14.20 Put	250	659.4029	696.1581	0.0000	0.0000	0	0.00			
Dec 2019	DAUS	14.25 Put	250	682.1618	719.5038	0.0000	0.0000	0	0.00			
Dec 2019	DAUS	16.21 Call	500	903.2794	870.6834	0.0000	0.0000	0	0.00			
Dec 2019	DAUS	17.05 Call	250	709.5207	683.9408	0.0000	0.0000	0	0.00			
Dec 2019	DAUS	17.44 Call	250	636.9593	614.2690	0.0000	0.0000	0	0.00			
			<u>936,324</u>					<u>40,000.00</u>	<u>0.00</u>	<u>21 873 541.00</u>	<u>0.00</u>	
		Total	1,049,565					40,178.00	2,574,278.00	32 686 327.00	132 565 497 024.10	
Future												
	Dec 2018	EUUS	Future	50	1.1295	1.1291	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>

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		Total	50					0.00	0.00	744 705.00	8 448 109 050.00
Future											
	Dec 2018 GBUS	Future	5	1.2970	1.2918	1.2989	1.2900	15	194,195.00		
			<u>5</u>					<u>15.00</u>	<u>194,195.00</u>	169 966.00	2 187 145 700.00
		Total	5					15.00	194,195.00	169 966.00	2 187 145 700.00
Future											
	Dec 2018 ZAAD	Future	23,928	10.4583	10.4011	0.0000	0.0000	0	0.00		
	Mar 2019 ZAAD	Future	420	10.5938	10.5377	0.0000	0.0000	0	0.00		
	Jun 2019 ZAAD	Future	4,932	10.7266	10.6714	0.0000	0.0000	0	0.00		
			<u>29,280</u>					<u>0.00</u>	<u>0.00</u>	3 765 504.00	32 858 186 863.60
		Total	29,280					0.00	0.00	3 797 881.00	32 858 186 863.60
Future											
	Dec 2018 ZACA	Future	500	10.9705	10.9278	0.0000	0.0000	0	0.00		
	Mar 2019 ZACA	Future	400	11.1180	11.0761	0.0000	0.0000	0	0.00		
			<u>900</u>					<u>0.00</u>	<u>0.00</u>	139 153.00	1 371 857 786.60
		Total	900					0.00	0.00	139 153.00	1 371 857 786.60
Future											
	Dec 2018 ZADK	Future	240	2.2022	2.1874	0.0000	0.0000	0	0.00		
			<u>240</u>					<u>0.00</u>	<u>0.00</u>	12 335.00	265 809 909.00
		Total	240					0.00	0.00	12 335.00	265 809 909.00
Future											
	Dec 2018 ZAEU	Future	135,508	16.3959	16.2866	16.3675	16.3675	25	409,187.50		
	Mar 2019 ZAEU	Future	36,636	16.7378	16.6283	0.0000	0.0000	0	0.00		
	Jun 2019 ZAEU	Future	4,906	17.0560	16.9468	0.0000	0.0000	0	0.00		
	Sep 2019 ZAEU	Future	8,262	17.4087	17.2985	0.0000	0.0000	0	0.00		
			<u>185,312</u>					<u>25.00</u>	<u>409,187.50</u>	15 661 808.00	225 366 539 413.40
Option											
	Mar 2019 ZAEU	15.60 Put	462	184.0463	214.2605	0.0000	0.0000	0	0.00		
	Mar 2019 ZAEU	16.00 Call	650	1043.6948	978.1123	0.0000	0.0000	0	0.00		
	Mar 2019 ZAEU	17.33 Put	462	1043.2894	1122.9042	0.0000	0.0000	0	0.00		
	Mar 2019 ZAEU	19.65 Call	462	106.2411	99.9623	0.0000	0.0000	0	0.00		
	Sep 2019 ZAEU	18.60 Call	55,000	730.1908	699.6684	0.0000	0.0000	0	0.00		
			<u>57,036</u>					<u>0.00</u>	<u>0.00</u>	10 904 964.00	0.00
		Total	242,348					25.00	409,187.50	26 566 772.00	225 366 539 413.40
Future											

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Dec 2018	ZAFR	Future	1,616	14.4154	14.3281	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	15.0280	14.9402	0.0000	0.0000	0	0.00	
			1,766					0.00	0.00	620 908.00
		Total	1,766					0.00	0.00	620 908.00
Future										
Dec 2018	ZAGB	Future	447,771	18.8274	18.6330	18.7654	18.7654	7,500	141,210,200.00	
Mar 2019	ZAGB	Future	11,149	19.1451	18.9495	19.1871	19.1871	2	38,374.20	
Jun 2019	ZAGB	Future	5,506	19.4400	19.2430	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	10,363	19.7631	19.5636	0.0000	0.0000	0	0.00	
			474,789					7,502.00	141,248,574.20	12 890 173.00
		Total						7,502.00	141,248,574.20	12 890 173.00
Option										
Dec 2018	ZAGB	19.30 Call	200	203.7348	156.7367	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	18.00 Put	500	282.8349	332.0667	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	772.4379	878.3800	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	441.5015	383.3416	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	394.1061	342.3603	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	176.9959	153.0095	0.0000	0.0000	0	0.00	
			4,200					0.00	0.00	1 779 113.00
		Total	478,989					7,502.00	141,248,574.20	14 669 286.00
Future										
Dec 2018	ZAJY	Future	6,905	0.1276	0.1270	0.0000	0.0000	0	0.00	
			6,905					0.00	0.00	1 021 902.00
		Total	6,905					0.00	0.00	1 021 902.00
Future										
Jun 2019	ZAKS	Future	2,166	0.1405	0.1393	0.0000	0.0000	0	0.00	
			2,166					0.00	0.00	38 066.00
		Total	2,166					0.00	0.00	38 066.00
Future										
Dec 2018	ZAUM	Future	411	14.5164	14.4240	14.5031	14.4278	50	72,451,870.00	
Mar 2019	ZAUM	Future	5	14.6839	14.5934	0.0000	0.0000	0	0.00	
			416					50.00	72,451,870.00	153 728.00
		Total	416					50.00	72,451,870.00	158 251.00
Future										
Dec 2018	ZAUS	Future	803,867	14.5164	14.4240	14.6159	14.4150	89,005	1,289,961,072.80	
Mar 2019	ZAUS	Future	55,134	14.6839	14.5934	14.7500	14.5834	1,155	16,926,854.10	
Jun 2019	ZAUS	Future	19,390	14.8439	14.7536	14.8963	14.8963	10	148,963.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Sep 2019	ZAUS	Future	14,099	15.0165	14.9255	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	Future	10,270	15.1847	15.0920	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	3,966	15.3750	15.2768	0.0000	0.0000	0	0.00		
			<u>906,726</u>					<u>90,170.00</u>	<u>1,307,036,889.90</u>	<u>189,349,705.00</u>	<u>2,272,047,161,826.10</u>

Option

Dec 2018	ZAUS	11.64 Put	2,764	0.1838	0.2861	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	0.2391	0.3701	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	0.3446	0.5259	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	0.4400	0.6652	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	0.4620	0.6973	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	0.5619	0.8419	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	0.7181	1.0661	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	0.8119	1.2000	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	1.1179	1.6336	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2017.9033	1926.1741	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	1.5033	2.1741	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	2.0742	2.9667	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	2.3482	3.3446	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	2.7944	3.9569	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	4.6004	6.4091	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	1521.6126	1431.5626	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	5.2126	7.5626	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	5.9070	8.8997	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	6.6985	10.4456	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1325.8362	1238.2749	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	10.0901	15.1754	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1277.5465	1190.6202	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	11.1465	16.6202	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	14.0002	20.4731	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	14.4564	21.0832	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1087.4335	1003.7359	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	21.0335	29.7359	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1040.8598	958.1595	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	24.4598	34.1595	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	68,500	32.7725	44.7180	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	41.0472	55.0405	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	43.3698	57.9114	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	49.6627	67.2831	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	55.2263	75.5450	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	500	773.0940	701.7193	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	500	56.6940	77.7193	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	76.7037	101.9718	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.95 Call	39,589	654.8089	589.8800	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,000	617.7082	555.0275	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	101.3082	131.0275	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	130.8474	165.1577	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	137.3721	172.6096	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	527.1123	470.4146	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	235,564	147.5520	184.1832	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	151.0504	188.1470	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	481.9791	428.5332	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	165.5791	204.5332	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	180.9642	221.7705	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	451.3456	400.2129	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	205.6569	249.2212	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	405.1322	357.6614	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	218.7322	263.6614	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	394.1163	347.5513	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	227.7163	273.5513	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	246.3321	293.9588	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	367.5207	323.1907	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	347.2040	305.6892	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	11,200	318.3102	280.9480	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	301.9102	356.9480	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	307.2759	362.9971	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	81,900	275.4136	243.5753	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	1,000	359.0136	419.5753	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	271.5132	240.0914	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	267.6612	236.6522	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	402.7165	466.1112	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	238.5453	210.6982	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	448.6792	514.7179	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	221.8216	195.8240	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	455.4216	521.8240	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	206.1709	181.9239	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	489.7709	557.9239	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.82 Call	250	200.1989	176.6258	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	194.3871	171.4742	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	191.5403	168.9509	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	561.4820	632.8526	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	153.2738	135.0936	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	20,000	636.8738	711.0936	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	150.9996	133.0849	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	133.9417	118.0297	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.10 Call	500	131.9454	116.2678	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	122.3930	107.6291	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Call	50	113.5196	99.6099	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	797.1196	875.6099	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	838.8843	918.1719	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	881.2410	961.2773	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	87.5152	76.4706	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	75.9933	66.4602	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	73.6444	64.4194	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	71.3664	62.4413	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1054.9664	1138.4413	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	70.2537	61.4757	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	61.9532	54.2705	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	60.9869	53.4323	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	60.0357	52.6064	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	52.1197	45.7374	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	49.7220	43.6572	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1365.4502	1452.8251	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	41.2008	36.2617	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	37.5155	32.5069	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	5,000	32.6129	27.5514	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	26.6258	22.4596	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	25.1808	21.2339	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	22.5103	18.9707	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	20.8809	17.5918	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	11.3394	9.5390	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	7.1086	5.9814	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	4.7959	4.0397	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	2.2584	2.4168	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	9.3479	10.2358	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	31.0018	34.6384	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	32.9778	36.8606	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	58.8832	65.9458	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	60.5930	67.8608	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	15,434	67.8683	76.0088	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	72.7882	81.5139	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	80.1908	89.7898	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	83.5565	93.5489	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	95.6600	110.9811	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	109.7709	126.5432	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	115.4408	132.7637	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.40 Put	2,100	123.3251	141.3881	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.46 Put	20,000	135.8575	155.0588	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	144.6971	164.6699	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	156.3018	177.2562	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	9,570	168.5369	190.4858	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	189.4542	213.0251	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	194.9466	218.9274	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	200.5428	224.9378	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	209.1402	234.1586	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	220.9829	246.8345	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	239.5620	266.6853	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	242.7566	270.3354	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	255.8031	285.2272	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	17,406	291.5504	324.5614	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	307.1457	341.1345	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	374.3024	412.1696	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	410.7185	450.4944	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	804.0138	753.7643	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	444.1130	485.5356	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.42 Put	2,100	478.9092	521.9576	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	489.1087	532.6110	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	494.2472	537.9823	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	713.7371	667.6537	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	704.2714	658.6382	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	520.3714	565.2382	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	536.3763	581.9155	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	552.6272	598.8324	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	602.8324	651.5304	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	655.4894	706.7212	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	698.1881	751.0219	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	704.3848	757.4483	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	710.6094	763.8949	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	716.8584	770.3684	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.99 Call	100	507.3236	473.5790	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	200	503.9470	470.4119	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	846.7567	904.5500	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	887.4841	946.4844	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	901.2288	960.6261	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	908.1345	967.7254	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	449.8582	419.7274	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	949.9964	1010.7457	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	957.0459	1017.9854	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	435.1017	405.9188	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	15.32 Put	262,812	1043.1611	1106.3016	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	373.3920	348.4552	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	370.9399	346.1709	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	361.2987	337.2038	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	356.5773	332.8167	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	351.9249	328.4887	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	325.3409	303.7901	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	295.1409	275.7619	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	291.3542	272.2469	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	280.3076	262.0063	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.98 Call	2,100	264.6045	247.4486	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	261.2514	244.3417	0.0000	0.0000	750	0.00
Mar 2019	ZAUS	16.13 Call	138,000	240.5820	224.4037	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	214.8653	200.3873	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	203.7176	190.0591	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	178.4898	166.7035	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	176.1596	164.5467	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	139.4715	130.6064	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	138.5812	129.7837	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	134.2241	125.7560	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	129.1991	121.1077	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	128.3820	120.3528	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	127.5708	119.6014	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	117.5387	110.3236	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	112.5094	105.6715	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	99.4420	93.5888	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	77.2615	74.9688	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	65.1985	63.9103	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	6.7834	7.1742	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	34.9720	41.8667	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	83.0825	95.5083	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	119.2148	134.9134	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	122.8082	138.8079	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	171.9957	191.7290	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	341.4957	370.2399	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	359.3036	388.8401	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1260.4949	1201.3170	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	1020.4709	972.1412	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	945.2588	899.7512	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	708.9822	754.6338	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	842.5724	801.0267	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,000	736.4411	699.6009	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	15.62 Call	5,035	575.0004	546.2734	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	529.1071	502.7191	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	500.8573	475.9265	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	16.00 Call	20	482.9969	458.9954	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	17.96 Call	8,203	205.5840	197.5493	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	14.0479	14.0763	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	69.9884	81.5873	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.91 Put	81,930	458.2764	489.2162	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	481.7725	513.5446	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.09 Put	33,715	530.8185	564.2444	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.14 Put	141,127	552.0605	586.1772	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	582.5926	617.9949	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.33 Put	33,151	637.9590	677.9619	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	845.5738	891.5315	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1253.1981	1307.4272	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1374.8521	1431.3747	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	740.9771	710.5556	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	457.4801	438.6859	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	398.2240	382.0717	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	371.6375	356.6835	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	362.1131	347.5912	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.29 Call	81,930	328.2837	317.5949	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	314.5145	304.4977	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	303.1451	293.6868	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.67 Call	141,127	300.4225	291.0969	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	262.1080	254.6618	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	44.2678	51.0179	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	427.3550	458.8241	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	609.3579	587.6578	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	336.2448	322.5333	0.0000	0.0000	0	0.00		
			<u>8,162,560</u>					<u>750.00</u>	<u>0.00</u>	<u>61 480 349.00</u>	<u>0.00</u>
	Total		9,069,286					90,920.00	1,307,036,889.90	250 830 054.00	2 272 047 161 826.10
	Grand Total		10,975,588					138,690.00	1 523 914 994.60	343,207,398	3,149,710,980,842.33