



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 14-November-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Nov 2018	DAEU	Future	37	16.2308	16.3493	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>
Option											
Aug 2019	DAEU	17.01 Put	31,200	920.5188	871.7290	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	402.7470	437.1054	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>
		Total	93,637					0.00	0.00	2 191 986.00	11 967 156 360.40
Future											
Nov 2018	DAGB	Future	13	18.6061	18.7833	0.0000	0.0000	0	0.00		
Jan 2019	DAGB	Future	23	18.8219	18.9955	0.0000	0.0000	1	19,028.00		
			<u>36</u>					<u>1.00</u>	<u>19,028.00</u>	<u>53 977.00</u>	<u>889 500 016.60</u>
		Total	36					1.00	19,028.00	261 290.00	889 500 016.60
Future											
Nov 2018	DAUS	Future	24	14.2910	14.4679	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	308	14.2910	14.4678	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	179	14.2968	14.4776	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	368	14.3045	14.4881	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.3065	14.4898	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	2,627	14.3084	14.4916	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	500	14.3223	14.5040	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,672	14.3321	14.5129	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	3,420	14.3665	14.5465	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.3699	14.5501	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	150	14.3924	14.5731	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	8	14.3941	14.5749	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.4183	14.5995	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,764	14.4201	14.6012	0.0000	0.0000	71	1,034,860.50		
Feb 2019	DAUS	Future	70	14.4425	14.6241	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	5,841	14.4689	14.6512	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,731	14.5167	14.7002	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,753	14.5203	14.7038	0.0000	0.0000	724	10,597,912.00		
Apr 2019	DAUS	Future	55	14.5274	14.7111	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.5770	14.7619	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.6323	14.8183	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.6880	14.8749	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	14.7436	14.9315	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.8017	14.9905	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.8566	15.0462	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.9096	15.1001	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.9701	15.1624	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.0310	15.2252	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.0880	15.2839	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.1489	15.3467	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.2099	15.4095	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.2629	15.4642	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.3298	15.5330	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.4398	15.6464	0.0000	0.0000	0	0.00		
			<u>114,036</u>					<u>795.00</u>	<u>11,632,772.50</u>	<u>10 813 581.00</u>	<u>132 577 129 796.60</u>

Option

Nov 2018	DAUS	14.34 Put	171	90.9109	44.1396	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.50 Call	171	12.3322	73.0233	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	1071.1049	1247.9185	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.32 Call	15,000	69.7576	202.7384	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	7.1862	33.7049	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	6.4323	30.7695	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.78 Call	30,000	5.1657	25.6423	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	2.8794	15.5743	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	601.8794	437.7743	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.67 Put	20,000	12.6520	5.6697	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	20,000	135.1819	81.1374	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.76 Call	4,000	61.0324	115.1166	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	3.6649	2.8262	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	35.4973	20.1030	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.85 Put	600	44.4925	25.6540	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	335.9355	478.8577	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	179.9139	119.0748	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.30 Call	600	213.9114	329.7816	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.80 Call	600	68.0189	121.1553	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>
Nov 2018	DAUS	14.82 Call	250	64.8000	116.0825	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	0.8381	1.7164	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	0.3863	0.6642	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1154.1486	993.0161	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	65,000	48.5133	31.4361	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	81.6547	51.7476	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	30,000	237.8980	169.2560	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	661.9727	531.1772	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	1015.2636	861.8363	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.75 Put	125	52.4227	34.1472	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.07 Call	125	393.2682	529.2469	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.50 Call	125	186.0181	274.2907	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	45.4759	32.4620	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	89.2167	58.5530	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	76.5316	120.0318	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	24.9625	43.2021	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	128.8125	90.6299	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	293.0906	224.5292	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	697.2137	577.6982	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	1032.0670	891.7664	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	20.4193	11.6539	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	27.3363	16.4605	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	210.0868	287.5275	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	184.9104	255.7535	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	12.1521	8.1963	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	124.4053	89.3034	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	430.3649	546.4929	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	298.3987	232.3196	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	764.1765	645.7564	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	10.4951	18.9811	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	4.7047	8.2499	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.64 Put	250	98.1491	70.4360	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.12 Call	250	515.0871	637.7414	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.65 Call	250	280.7280	363.7549	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	14.5739	13.2072	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.88 Call	4,000	300.4047	376.5273	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	37.1311	31.4521	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.20 Put	250	352.7904	289.0430	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	377.0339	310.5089	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	484.3620	591.7098	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	240.4343	304.9420	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.47 Call	250	174.7468	225.3116	0.0000	0.0000	0	0.00

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Feb 2019	DAUS	13.00 Put	500	63.7794	54.0074	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.20 Put	250	409.1112	344.5795	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	433.8146	366.7536	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	529.5768	631.0194	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	297.1207	363.1709	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.63 Call	250	225.8967	279.1447	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.00 Put	65,000	361.6380	305.6469	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	89.5919	76.1577	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.20 Put	250	457.8122	392.9034	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	482.7265	415.6008	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	569.9261	667.0196	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	345.7584	412.5293	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.79 Call	250	274.7803	330.4288	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.04 Call	4,000	527.8520	614.2493	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	115.3205	97.8113	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1311.7111	1462.5421	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.20 Put	250	500.7630	436.2246	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	525.7832	459.2333	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	604.6763	699.2237	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	389.1103	456.3857	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.96 Call	250	321.2840	378.6165	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	138.7891	115.9527	0.0000	0.0000	0	0.00
May 2019	DAUS	14.20 Put	250	538.7263	474.0935	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	563.8755	497.3681	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	636.3823	728.2572	0.0000	0.0000	0	0.00
May 2019	DAUS	15.79 Call	250	428.1207	495.1886	0.0000	0.0000	0	0.00
May 2019	DAUS	16.15 Call	250	358.9865	417.5397	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.72 Put	20,000	849.4504	766.0764	0.0000	0.0000	0	0.00
Jun 2019	DAUS	17.22 Call	20,000	246.8633	288.8960	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	156.9582	130.1278	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.20 Put	250	569.6250	503.5851	0.0000	0.0000	0	0.00
Jun 2019	DAUS	14.25 Put	250	594.8774	527.0789	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	662.1204	751.2038	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.96 Call	250	460.1551	526.4067	0.0000	0.0000	0	0.00
Jun 2019	DAUS	16.32 Call	250	391.0804	450.8870	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	277.3817	240.8317	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	380.3776	439.1064	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	174.7645	143.8238	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.20 Put	250	600.8066	535.5983	0.0000	0.0000	0	0.00
Jul 2019	DAUS	14.25 Put	250	626.1079	559.2283	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	694.2934	782.3639	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.14 Call	250	497.0929	564.1293	0.0000	0.0000	0	0.00

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Jul 2019	DAUS	16.50 Call	250	428.3386	489.8021	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,147	761.1099	686.6638	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,147	483.4522	548.4722	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	190.5199	154.0902	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.20 Put	250	628.0599	563.8804	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	653.3793	586.1129	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	716.1981	802.2878	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	524.6481	591.2677	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.70 Call	250	455.2217	515.9042	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	238.6471	265.6322	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	202.9093	171.1640	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.20 Put	250	652.0657	589.4444	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	677.3649	611.7051	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	744.2859	828.8424	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	554.8427	622.1072	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.89 Call	250	483.4520	543.6805	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	218.4077	186.2896	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.20 Put	250	675.2506	614.1604	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	700.5376	636.5418	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	764.4828	846.7699	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	578.8976	645.8298	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	17.09 Call	250	509.7874	569.7885	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	235.1068	199.5124	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.20 Put	250	696.8065	636.5821	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	722.0947	659.1352	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	790.7938	873.0806	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	607.4399	674.4974	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	17.26 Call	250	539.8039	600.2570	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	253.2750	217.3439	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.20 Put	250	721.1616	659.4029	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	745.1251	682.1618	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	820.9083	903.2794	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	641.8094	709.5207	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.44 Call	250	575.3372	636.9593	0.0000	0.0000	0	0.00		
			<u>936,324</u>					<u>0.00</u>	<u>0.00</u>	<u>21 873 541.00</u>	<u>0.00</u>
Total			1,050,360					795.00	11,632,772.50	32 687 122.00	132 577 129 796.60
Future											
Dec 2018	EUUS	Future	50	1.1357	1.1295	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	GBUS	Future	5	1.3012	1.2970	1.3022	1.2991	10	130,065.00		
			5					10.00	130,065.00	169 976.00	2 187 275 765.00
		Total	5					10.00	130,065.00	169 976.00	2 187 275 765.00
Future											
Dec 2018	ZAAD	Future	23,926	10.3645	10.4583	10.4410	10.4410	2	20,882.00		
Mar 2019	ZAAD	Future	324	10.4979	10.5938	10.5099	10.5099	104	1,093,290.00		
Jun 2019	ZAAD	Future	4,934	10.6291	10.7266	10.6478	10.6478	5	53,239.00		
			29,184					111.00	1,167,411.00	3 765 615.00	32 859 354 274.60
		Total	29,184					111.00	1,167,411.00	3 797 992.00	32 859 354 274.60
Future											
Dec 2018	ZACA	Future	500	10.8469	10.9705	10.8786	10.8786	100	1,087,860.00		
Mar 2019	ZACA	Future	400	10.9927	11.1180	11.0217	11.0217	100	1,102,170.00		
Jun 2019	ZACA	Future	0	11.1270	11.2536	11.1598	11.1598	5	55,799.00		
Sep 2019	ZACA	Future	0	11.1428	11.2697	11.2998	11.2998	5	56,499.00		
			900					210.00	2,302,328.00	139 363.00	1 374 160 114.60
		Total	900					210.00	2,302,328.00	139 363.00	1 374 160 114.60
Future											
Dec 2018	ZADK	Future	140	2.1867	2.2022	2.1817	2.1817	100	2,181,700.00		
			140					100.00	2,181,700.00	12 435.00	267 991 609.00
		Total	140					100.00	2,181,700.00	12 435.00	267 991 609.00
Future											
Dec 2018	ZAEU	Future	135,262	16.2819	16.3959	16.3469	16.2821	806	13,133,665.20		
Mar 2019	ZAEU	Future	36,636	16.6207	16.7378	16.6094	16.6094	500	8,304,700.00		
Jun 2019	ZAEU	Future	4,906	16.9356	17.0560	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	Future	9,050	17.2846	17.4087	0.0000	0.0000	788	13,651,802.00		
			185,854					2,094.00	35,090,167.20	15 663 902.00	225 401 629 580.60
Option											
Mar 2019	ZAEU	15.60 Put	462	200.8573	184.0463	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	16.00 Call	650	956.2377	1043.6948	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	17.33 Put	462	1110.3664	1043.2894	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	19.65 Call	462	91.3940	106.2411	0.0000	0.0000	0	0.00		
Sep 2019	ZAEU	18.60 Call	55,000	680.0974	730.1908	0.0000	0.0000	0	0.00		
			57,036					0.00	0.00	10 904 964.00	0.00
		Total	242,890					2,094.00	35,090,167.20	26 568 866.00	225 401 629 580.60
Future											

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Dec 2018	ZAFR	Future	1,616	14.2690	14.4154	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	14.8734	15.0280	0.0000	0.0000	0	0.00	
			<u>1,766</u>					<i>0.00</i>	<i>0.00</i>	<i>620 908.00</i>
		Total	1,766					0.00	0.00	620 908.00
Future										
Dec 2018	ZAGB	Future	448,261	18.6548	18.8274	18.8613	18.6064	560	10,458,450.00	
Mar 2019	ZAGB	Future	11,149	18.9680	19.1451	18.9712	18.9712	500	9,485,600.00	
Jun 2019	ZAGB	Future	5,506	19.2591	19.4400	19.2765	19.2765	5	96,382.50	
Sep 2019	ZAGB	Future	10,363	19.5779	19.7631	0.0000	0.0000	0	0.00	
			<u>475,279</u>					<i>1,065.00</i>	<i>20,040,432.50</i>	<i>12 891 238.00</i>
		Total								<i>219 457 202 686.90</i>
Option										
Dec 2018	ZAGB	19.30 Call	200	148.9369	203.7348	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	18.00 Put	500	318.4597	282.8349	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	19.19 Put	1,000	852.1315	772.4379	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.00 Call	500	371.8981	441.5015	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	20.18 Call	1,500	330.6626	394.1061	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	21.44 Call	500	142.4259	176.9959	0.0000	0.0000	0	0.00	
			<u>4,200</u>					<i>0.00</i>	<i>0.00</i>	<i>1 779 113.00</i>
		Total	479,479					1,065.00	20,040,432.50	14 670 351.00
										<i>219 457 202 686.90</i>
Future										
Dec 2018	ZAJY	Future	6,905	0.1261	0.1276	0.0000	0.0000	0	0.00	
			<u>6,905</u>					<i>0.00</i>	<i>0.00</i>	<i>1 021 902.00</i>
		Total	6,905					0.00	0.00	1 021 902.00
Future										
Jun 2019	ZAKS	Future	2,166	0.1385	0.1405	0.0000	0.0000	0	0.00	
			<u>2,166</u>					<i>0.00</i>	<i>0.00</i>	<i>38 066.00</i>
		Total	2,166					0.00	0.00	38 066.00
Future										
Dec 2018	ZAUM	Future	416	14.3361	14.5164	14.4700	14.3347	45	64,678,550.00	
Mar 2019	ZAUM	Future	5	14.5008	14.6839	14.5338	14.4981	20	29,027,000.00	
			<u>421</u>					<i>65.00</i>	<i>93,705,550.00</i>	<i>153 793.00</i>
		Total	421					65.00	93,705,550.00	158 316.00
										<i>177 981 441 980.00</i>
Future										
Dec 2018	ZAUS	Future	801,024	14.3361	14.5164	14.5000	14.3310	56,257	812,262,125.80	
Mar 2019	ZAUS	Future	55,737	14.5008	14.6839	14.6307	14.4965	3,385	49,325,295.70	
Jun 2019	ZAUS	Future	19,390	14.6574	14.8439	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>		
Sep 2019	ZAUS	Future	14,099	14.8273	15.0165	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	Future	10,270	14.9917	15.1847	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	3,966	15.1765	15.3750	0.0000	0.0000	0	0.00		
			<u>904,486</u>					<u>59,642.00</u>	<u>861,587,421.50</u>	<u>189 409 347.00</u>	<u>2 272 908 749 247.60</u>

Option

Dec 2018	ZAUS	11.64 Put	2,764	0.2009	0.1838	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	0.2736	0.2391	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	0.4163	0.3446	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	0.5502	0.4400	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	0.5817	0.4620	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	0.7265	0.5619	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	0.9585	0.7181	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	1.1007	0.8119	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	1.5751	1.1179	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	1838.2896	2017.9033	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	2.1896	1.5033	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	3.1230	2.0742	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	3.5780	2.3482	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	4.3263	2.7944	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	7.5663	4.6004	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	1344.9168	1521.6126	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	8.8168	5.2126	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	10.2557	5.9070	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	11.9083	6.6985	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1152.0670	1325.8362	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	16.9167	10.0901	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1104.5375	1277.5465	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	18.4375	11.1465	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	22.4794	14.0002	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	23.1176	14.4564	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	918.2527	1087.4335	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	32.1527	21.0335	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	872.8650	1040.8598	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	36.7650	24.4598	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	68,500	47.7720	32.7725	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	59.7343	41.0472	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	63.5785	43.3698	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	73.9731	49.6627	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	83.1285	55.2263	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	500	621.6374	773.0940	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	500	85.5374	56.6940	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.90 Put	35,000	112.3853	76.7037	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.95 Call	39,589	513.8583	654.8089	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,000	480.5802	617.7082	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	144.4802	101.3082	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	182.0627	130.8474	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	190.2518	137.3721	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	400.5300	527.1123	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	235,564	202.9554	147.5520	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	207.3027	151.0504	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	51,000	361.3569	481.9791	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	225.2569	165.5791	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	244.1108	180.9642	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	51,000	335.0656	451.3456	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	274.0682	205.6569	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	295.8934	405.1322	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	289.7934	218.7322	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	286.6481	394.1163	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	300.5481	227.7163	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	323.7893	246.3321	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.40 Call	100,000	265.8317	367.5207	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	250.1245	347.2040	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	11,200	228.0779	318.3102	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	391.9779	301.9102	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	398.4755	307.2759	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	81,900	195.1420	275.4136	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	1,000	459.0420	359.0136	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	192.0957	271.5132	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	189.0941	267.6612	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	508.6153	402.7165	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	70,000	166.5797	238.5453	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	560.1766	448.6792	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	153.7965	221.8216	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	567.6965	455.4216	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	141.9378	206.1709	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	605.8378	489.7709	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.82 Call	250	137.4411	200.1989	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	133.0800	194.3871	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.85 Call	50,000	130.9499	191.5403	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	684.6765	561.4820	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	101,333	102.6729	153.2738	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Put	20,000	766.5729	636.8738	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	101.0147	150.9996	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	88.5079	133.9417	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.10 Call	500	87.0349	131.9454	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	80.0189	122.3930	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Call	50	73.5559	113.5196	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	937.4559	797.1196	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	981.5043	838.8843	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	1026.0280	881.2410	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	55.1936	87.5152	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	47.4011	75.9933	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	45.8254	73.6444	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	5,000	44.3026	71.3664	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1208.2026	1054.9664	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	43.5604	70.2537	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	38.0598	61.9532	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	37.4237	60.9869	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	36.7985	60.0357	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	31.6301	52.1197	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	30.0780	49.7220	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1528.6273	1365.4502	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	24.2449	41.2008	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	21.5313	37.5155	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	5,000	17.9951	32.6129	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	14.4222	26.6258	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	13.5725	25.1808	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	12.0156	22.5103	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	11.0745	20.8809	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	5.7263	11.3394	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	3.4701	7.1086	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	2.2805	4.7959	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	2.1527	2.2584	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	11.9250	9.3479	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	36.9912	31.0018	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	39.2281	32.9778	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	68.2900	58.8832	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	70.1958	60.5930	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	15,434	78.3022	67.8683	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	83.7759	72.7882	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	95.0833	80.1908	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	100.2571	83.5565	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.25 Put	224,707	118.9859	95.6600	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.33 Put	135,043	135.6803	109.7709	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	142.3478	115.4408	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.40 Put	2,100	151.5892	123.3251	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.46 Put	20,000	166.2273	135.8575	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.50 Put	50	176.5111	144.6971	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	189.9674	156.3018	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.60 Put	9,570	204.1027	168.5369	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.68 Put	14,200	228.1562	189.4542	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	234.4494	194.9466	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	240.8557	200.5428	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	250.6780	209.1402	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	264.1738	220.9829	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.85 Put	1,000	286.4254	239.5620	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	290.2763	242.7566	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	305.9898	255.8031	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	17,406	347.4175	291.5504	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	364.8408	307.1457	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.20 Put	2,000	439.3446	374.3024	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	479.4335	410.7185	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	250	690.5472	804.0138	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	516.0270	444.1130	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.42 Put	2,100	554.0060	478.9092	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	565.1055	489.1087	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.45 Put	1,000	570.6998	494.2472	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	608.4360	713.7371	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Call	224,707	599.8655	704.2714	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,050	599.0655	520.3714	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	616.7091	536.3763	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	634.5884	552.6272	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	689.6414	602.8324	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.74 Put	24,326	746.7337	655.4894	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.81 Put	135,043	792.4937	698.1881	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	799.1254	704.3848	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	805.7802	710.6094	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	812.4580	716.8584	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.99 Call	100	426.1002	507.3236	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.00 Call	200	423.1296	503.9470	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	63,500	950.6517	846.7567	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.10 Put	1,000	993.7507	887.4841	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	1008.2760	901.2288	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	1015.5679	908.1345	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	375.7249	449.8582	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1059.7188	949.9964	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1067.1437	957.0459	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.22 Call	2,785	362.8492	435.1017	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	1157.8188	1043.1611	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	309.7496	373.3920	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	307.6421	370.9399	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.50 Call	224,757	299.3604	361.2987	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.52 Call	1	295.3135	356.5773	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	291.3231	351.9249	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	268.5905	325.3409	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	242.8855	295.1409	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.83 Call	135,043	239.6694	291.3542	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	230.3069	280.3076	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.98 Call	2,100	216.7435	264.6045	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	1,906	213.7252	261.2514	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	195.1623	240.5820	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	173.4534	214.8653	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.38 Call	134,750	164.1531	203.7176	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	143.2010	178.4898	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	141.2730	176.1596	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	111.0712	139.4715	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	110.3434	138.5812	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	106.7793	134.2241	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.08 Call	7,028	102.6745	129.1991	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	99,824	102.0087	128.3820	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	101.3463	127.5708	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	93.1765	117.5387	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	89.0917	112.5094	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	79.5436	99.4420	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	62.9788	77.2615	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	53.2087	65.1985	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	7.2810	6.7834	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	48.9006	34.9720	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	104.6539	83.0825	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	144.6969	119.2148	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	148.6291	122.8082	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	202.1077	171.9957	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	388.9880	341.4957	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	5,035	408.4380	359.3036	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1128.6902	1260.4949	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	907.6484	1020.4709	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	837.9889	945.2588	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	789.9168	708.9822	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	743.2581	842.5724	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.10 Call	1,000	646.4481	736.4411	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	15.62 Call	5,035	501.4987	575.0004	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.80 Call	1,000	460.5280	529.1071	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	15.92 Call	911	435.3807	500.8573	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	16.00 Call	20	419.5126	482.9969	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	17.96 Call	8,203	178.3070	205.5840	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	10.75 Put	1,000	14.0130	14.0479	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	12.50 Put	1,000	84.3099	69.9884	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.91 Put	81,930	509.7868	458.2764	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	13.97 Put	800	534.9045	481.7725	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.09 Put	33,715	587.2135	530.8185	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.14 Put	141,127	611.1100	552.0605	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.21 Put	2,700	645.8478	582.5926	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.33 Put	33,151	707.6476	637.9590	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	14.72 Put	1,200	927.0944	845.5738	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.38 Put	5,000	1351.3496	1253.1981	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.56 Put	2,571	1477.6254	1374.8521	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	15.87 Call	1,000	662.7899	740.9771	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.23 Call	800	404.5069	457.4801	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.64 Call	5,000	351.4858	398.2240	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.85 Call	2,700	328.8713	371.6375	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	17.93 Call	2,571	322.1274	362.1131	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.29 Call	81,930	294.6340	328.2837	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.47 Call	1,200	282.4606	314.5145	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.63 Call	33,715	272.4149	303.1451	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	18.67 Call	141,127	270.0121	300.4225	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	19.32 Call	33,151	235.1276	262.1080	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	11.89 Put	1,000	44.8555	44.2678	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	13.66 Put	1,000	478.1862	427.3550	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	17.38 Call	1,000	549.2630	609.3579	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	291.7521	336.2448	0.0000	0.0000	0	0.00		
			<u>8,162,560</u>					<i>0.00</i>	<i>0.00</i>	<i>61 480 349.00</i>	<i>0.00</i>
	Total		9,067,046					59,642.00	861,587,421.50	250 889 696.00	2 272 908 749 247.60
Grand Total			10,974,985					64,093.00	1 027 856 875.70	343,271,491	3,150,738,837,718.03