



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 20-September-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	623.4716	647.8757	0.0000	0.0000	0	0.00		
			<u>25,000</u>					<u>0.00</u>	<u>0.00</u>	<u>25 000.00</u>	<u>7 830 750.00</u>
		Total	25,000					0.00	0.00	25 000.00	7 830 750.00
Future											
Oct 2018	DAEU	Future	34	17.0288	17.1807	0.0000	0.0000	0	0.00		
			<u>34</u>					<u>0.00</u>	<u>0.00</u>	<u>801 328.00</u>	<u>11 965 949 271.80</u>
Option											
Aug 2019	DAEU	16.03 Put	31,200	274.2453	257.8868	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	16.24 Put	30,200	322.7214	302.8289	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	17.01 Put	31,200	579.2299	538.9954	0.0000	0.0000	0	0.00		
Aug 2019	DAEU	19.65 Call	62,400	764.5711	835.9174	0.0000	0.0000	0	0.00		
			<u>155,000</u>					<u>0.00</u>	<u>0.00</u>	<u>1 297 987.00</u>	<u>0.00</u>
		Total	155,034					0.00	0.00	2 099 315.00	11 965 949 271.80
Future											
Sep 2018	DAGB	Future	14	19.1369	19.2908	0.0000	0.0000	0	0.00		
Oct 2018	DAGB	Future	48	19.1934	19.3490	0.0000	0.0000	0	0.00		
			<u>62</u>					<u>0.00</u>	<u>0.00</u>	<u>53 831.00</u>	<u>883 358 081.80</u>
		Total	62					0.00	0.00	261 144.00	883 358 081.80
Future											
Sep 2018	DAUS	Future	300	14.4409	14.6544	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	14.4409	14.6603	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	3,037	14.4390	14.6633	0.0000	0.0000	454	6,644,017.60		
Oct 2018	DAUS	Future	55	14.4468	14.6685	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	189	14.4487	14.6707	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	4,000	14.4714	14.6977	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	14.4752	14.7022	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.4903	14.7194	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>		
Oct 2018	DAUS	Future	225	14.4981	14.7273	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	2,500	14.5000	14.5750	0.0000	0.0000	2,500	36,437,500.00		
Oct 2018	DAUS	Future	4,399	14.5019	14.7313	0.0000	0.0000	400	5,819,068.80		
Nov 2018	DAUS	Future	55	14.5039	14.7333	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.5270	14.7570	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	24	14.5309	14.7610	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	420	14.5328	14.7630	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	14.5580	14.7889	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	6,251	14.5599	14.7909	0.0000	0.0000	2,000	29,095,200.00		
Dec 2018	DAUS	Future	3,672	14.5833	14.8149	0.0000	0.0000	5,000	73,287,500.00		
Dec 2018	DAUS	Future	4,706	14.6200	14.8521	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.6237	14.8559	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	14.6763	14.9096	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,420	14.6782	14.9115	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.7026	14.9365	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	5,787	14.7307	14.9652	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	14.7814	15.0170	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	3,029	14.7851	15.0209	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	14.7926	15.0286	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	14.8451	15.0824	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	14.9033	15.1420	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	14.9617	15.2022	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	15.0214	15.2636	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	15.0831	15.3269	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.1418	15.3877	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	15.2018	15.4496	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	15.2679	15.5179	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.3319	15.5841	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	15.3919	15.6460	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	15.4559	15.7122	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.5200	15.7783	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	15.5757	15.8360	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	15.6460	15.9085	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.7617	16.0281	0.0000	0.0000	0	0.00		
			<u>132,746</u>					<u>10,354.00</u>	<u>151,283,286.40</u>	<u>10 657 372.00</u>	<u>130 336 943 907.00</u>
Option											
Sep 2018	DAUS	14.48 Put	40,000	152.1411	69.8521	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	14.75 Call	20,000	46.8102	0.0000	0.0000	0.0000	20,000	0.00		
Sep 2018	DAUS	15.00 Call	0	18.7963	49.2667	0.0000	0.0000	20,000	0.00		
Sep 2018	DAUS	13.00 Put	500	0.3143	0.3179	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.78 Call	500	669.3222	888.6937	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	11.3800	5.8277	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 2018	DAUS	14.25 Put	250	78.6771	38.0212	0.0000	0.0000	0	0.00
Sep 2018	DAUS	14.54 Call	250	109.4699	231.2448	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	0.9723	2.2390	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	0.3380	0.8225	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.88 Put	314	540.4739	394.5581	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.96 Call	314	114.8458	187.1422	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	11.8456	7.2698	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	585.6145	776.4035	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	9.5497	7.2326	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	79.4962	51.8956	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	683.3550	873.7300	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.25 Put	250	223.7973	154.6713	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.67 Call	250	282.4703	395.8834	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.82 Put	114	552.4913	420.0882	0.0000	0.0000	0	0.00
Oct 2018	DAUS	15.01 Call	114	184.8246	265.5556	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	25.1772	44.2064	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	10.5266	19.1139	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.85 Put	1,100	581.6528	446.8078	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.50 Call	1,100	107.4958	158.8381	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	2.7166	2.4492	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	105.7092	68.9212	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	19.1594	34.7924	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	0.4726	0.3960	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	3.5118	2.7419	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	1337.7773	1561.4883	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.00 Put	10,000	178.4567	123.2561	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.72 Call	5,000	346.4895	454.8253	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.74 Call	5,000	339.5504	445.7350	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Call	5,000	291.6501	385.5652	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.89 Put	15,000	648.8501	512.5652	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.84 Call	10,000	318.0742	415.9694	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.62 Call	20,400	415.3550	535.1649	0.0000	0.0000	0	0.00
Nov 2018	DAUS	15.31 Call	10,000	216.2542	284.7561	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	26.5014	23.0239	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	147.0490	104.1389	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	721.0281	885.0504	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.25 Put	250	312.6341	232.5613	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.82 Call	250	373.6958	475.9985	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	70.8610	97.3927	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	42.2095	58.8988	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.45 Put	23,000	1110.6451	946.0611	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	30,000	188.1900	136.5908	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	14.30 Put	30,000	349.1656	264.7126	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	30,000	700.0446	567.2844	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	30,000	993.7650	836.8713	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	128.2511	91.8408	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.86 Put	7,500	184.0828	135.1250	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.08 Call	7,500	337.3794	425.9253	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	206.5739	265.0438	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.90 Put	35,000	214.1759	160.2572	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.30 Put	35,000	378.5227	292.4418	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.90 Put	35,000	726.5015	596.3030	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.30 Put	35,000	1014.7466	862.0768	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	61.8314	48.9761	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	76.0083	55.6873	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	515.5093	636.0305	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	481.3715	594.5255	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	51.9865	42.9200	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	197.8753	149.7920	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	758.7615	910.2028	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.25 Put	250	372.5239	289.8938	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.96 Put	250	782.3107	651.1978	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	112.6860	145.3237	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	74.8052	96.6934	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	43.3267	35.2200	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	78.2039	62.8433	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.25 Put	250	422.2003	339.8873	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	784.2757	927.5739	0.0000	0.0000	0	0.00
Jan 2019	DAUS	15.13 Call	250	491.1158	591.4839	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	98.2544	78.7503	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.25 Put	250	460.2629	377.4821	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	809.0605	946.6433	0.0000	0.0000	0	0.00
Feb 2019	DAUS	15.27 Call	250	532.7545	633.3377	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	115.5505	93.1506	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.25 Put	250	495.1001	413.7775	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	832.3711	966.5513	0.0000	0.0000	0	0.00
Mar 2019	DAUS	15.43 Call	250	567.7785	668.5671	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	132.1898	103.7897	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	1600.2198	1794.8066	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.25 Put	250	526.9886	449.0845	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	854.4433	984.4466	0.0000	0.0000	0	0.00
Apr 2019	DAUS	15.61 Call	250	601.4746	701.6892	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	148.1143	116.0194	0.0000	0.0000	0	0.00
May 2019	DAUS	14.25 Put	250	555.3920	480.3544	0.0000	0.0000	0	0.00

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May 2019	DAUS	15.01 Call	500	874.5193	1002.1444	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.79 Call	250	631.5317	731.0231	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	14.72 Put	20,000	822.1716	722.4422	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	17.22 Call	20,000	398.2751	465.4520	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	158.7680	122.6566	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	14.25 Put	250	579.1993	505.7570	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	890.3738	1016.0172	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.96 Call	250	655.5159	753.7088	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	283.1137	233.1039	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	560.6918	645.9537	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	168.8399	128.6849	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	14.25 Put	250	603.6132	533.3268	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	915.5143	1040.3582	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.14 Call	250	687.4407	785.9202	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.48 Put	3,950	728.5330	643.8767	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.35 Call	3,950	667.6288	762.5742	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	169.8872	133.6187	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	14.25 Put	250	627.2006	556.8691	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	929.7502	1053.2876	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	16.33 Call	250	709.3075	807.6616	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	19.00 Call	20,000	350.8010	396.9761	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	178.0693	148.1853	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	14.25 Put	250	648.8268	578.9552	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	954.5701	1077.5885	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	16.50 Call	250	738.9166	837.8380	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	199.3103	166.2520	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	14.25 Put	250	671.6721	600.8945	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	978.0539	1099.3023	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	16.70 Call	250	768.2284	866.7355	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	215.6316	181.9202	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	14.25 Put	250	690.8118	619.3396	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	1003.6901	1124.3522	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.87 Call	250	797.3815	896.1923	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	235.1704	200.9554	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	14.25 Put	250	709.9225	636.6624	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	1029.5930	1149.6264	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	17.05 Call	250	828.8610	928.5343	0.0000	0.0000	0	0.00		
			<u>831,019</u>					<u>40,000.00</u>	<u>0.00</u>	<u>20 734 526.00</u>	<u>0.00</u>
	Total		963,765					50,354.00	151,283,286.40	31 391 898.00	130 336 943 907.00

Future

Dec 2018	EUUS	Future	40	1.1823	1.1747	0.0000	0.0000	0	0.00
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DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
			40					0.00	0.00	744 425.00	8 444 889 015.00
		Total	40					0.00	0.00	744 425.00	8 444 889 015.00
Future											
	Dec 2018	GBUS	Future	500	1.3298	1.3201	0.0000	0.0000	0	0.00	
				500					0.00	0.00	168 916.00
		Total	500					0.00	0.00	168 916.00	2 173 437 129.00
Future											
	Dec 2018	ZAAD	Future	36,595	10.6157	10.7668	10.6700	10.6450	41	436,470.00	
	Mar 2019	ZAAD	Future	520	10.7570	10.9087	0.0000	0.0000	0	0.00	
	Jun 2019	ZAAD	Future	4,929	10.8934	11.0468	0.0000	0.0000	0	0.00	
				42,044					41.00	436,470.00	3 738 382.00
		Total	42,044					41.00	436,470.00	3 770 759.00	32 576 327 035.60
Future											
	Dec 2018	ZACA	Future	600	11.3209	11.4545	0.0000	0.0000	0	0.00	
				600					0.00	0.00	137 653.00
		Total	600					0.00	0.00	137 653.00	1 355 055 071.60
Future											
	Dec 2018	ZADK	Future	240	2.3302	2.3500	0.0000	0.0000	0	0.00	
				240					0.00	0.00	12 335.00
		Total	240					0.00	0.00	12 335.00	265 809 909.00
Future											
	Dec 2018	ZAEU	Future	111,394	17.2463	17.4073	17.3102	17.2312	3,426	59,440,239.00	
	Mar 2019	ZAEU	Future	36,651	17.6048	17.7700	0.0000	0.0000	0	0.00	
	Jun 2019	ZAEU	Future	5,256	17.9445	18.1140	0.0000	0.0000	0	0.00	
	Sep 2019	ZAEU	Future	6,834	18.3230	18.4990	0.0000	0.0000	0	0.00	
				160,135					3,426.00	59,440,239.00	15 541 197.00
		Total	160,135					3,426.00	59,440,239.00	15 541 197.00	223 343 059 874.50
Option											
	Mar 2019	ZAEU	15.60 Put	462	117.7913	109.5960	0.0000	0.0000	0	0.00	
	Mar 2019	ZAEU	16.00 Call	650	1787.8175	1933.2656	0.0000	0.0000	0	0.00	
	Mar 2019	ZAEU	17.33 Put	462	687.6282	623.5058	0.0000	0.0000	0	0.00	
	Mar 2019	ZAEU	19.65 Call	462	335.9363	381.2710	0.0000	0.0000	0	0.00	
				2,036					0.00	0.00	10 794 564.00
		Total	162,171					3,426.00	59,440,239.00	26 335 761.00	223 343 059 874.50
Future											
	Dec 2018	ZAFR	Future	1,648	15.2891	15.4254	0.0000	0.0000	0	0.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Jun 2019	ZAFR	Future	150	15.9416	16.0854	0.0000	0.0000	0	0.00
			<u>1,798</u>					<u>0.00</u>	<u>0.00</u>
		Total	1,798					0.00	0.00
Future									
Dec 2018	ZAGB	Future	475,779	19.3985	19.5623	19.4798	19.4798	360	6,987,258.00
Mar 2019	ZAGB	Future	4,932	19.7317	19.8998	0.0000	0.0000	0	0.00
Jun 2019	ZAGB	Future	5,856	20.0413	20.2155	0.0000	0.0000	0	0.00
Sep 2019	ZAGB	Future	10,363	20.3826	20.5636	0.0000	0.0000	0	0.00
			<u>496,930</u>					<u>360.00</u>	<u>6,987,258.00</u>
		Total						0.00	0.00
Option									
Mar 2019	ZAGB	18.00 Put	500	271.9220	247.7937	0.0000	0.0000	0	0.00
Mar 2019	ZAGB	20.00 Call	500	840.9062	0.0000	0.0000	0.0000	500	0.00
Mar 2019	ZAGB	21.44 Call	500	437.4922	496.3095	0.0000	0.0000	0	0.00
			<u>1,500</u>					<u>500.00</u>	<u>0.00</u>
		Total	498,430					860.00	6,987,258.00
Future									
Dec 2018	ZAJY	Future	6,905	0.1305	0.1328	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
Future									
Jun 2019	ZAKS	Future	2,166	0.1420	0.1439	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
Future									
Dec 2018	ZATR	Future	12,000	2.2199	2.2496	0.0000	0.0000	0	0.00
			<u>12,000</u>					<u>0.00</u>	<u>0.00</u>
		Total	12,000					0.00	0.00
Future									
Dec 2018	ZAUM	Future	334	14.5872	14.8189	0.0000	0.0000	0	0.00
Mar 2019	ZAUM	Future	10	14.7645	14.9998	0.0000	0.0000	0	0.00
			<u>344</u>					<u>0.00</u>	<u>0.00</u>
		Total	344					0.00	0.00
Future									
Dec 2018	ZAUS	Future	799,175	14.5872	14.8189	14.7227	14.5397	87,700	1,286,334,802.60
Mar 2019	ZAUS	Future	36,970	14.7645	14.9998	14.8710	14.7554	3,585	52,971,096.00

<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>		
Jun 2019	ZAUS	Future	19,415	14.9295	15.1690	0.0000	0.0000	0	0.00		
Sep 2019	ZAUS	Future	19,892	15.1100	15.3546	0.0000	0.0000	0	0.00		
Mar 2020	ZAUS	Future	3,966	15.4848	15.7420	0.0000	0.0000	0	0.00		
			<u>879,418</u>					<u>91,285.00</u>	<u>1,339,305,898.60</u>	<u>186 567 054.00</u>	<u>2 231 630 077 766.10</u>

Option

Dec 2018	ZAUS	11.64 Put	2,764	7.2886	6.0274	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	228,616	8.4241	6.8896	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	10.1339	8.2689	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	11.4659	9.3908	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	11.7531	9.6327	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	12.9764	10.6644	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	14.6902	12.1106	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	15.6324	12.9058	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	18.3829	15.2273	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	228,616	2108.5627	2336.6411	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,400	21.3627	17.7411	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	25.1575	20.9386	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	26.7964	22.3179	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	29.2777	24.4041	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	37.7624	31.5177	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	1627.4572	1852.5024	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	177,520	40.2572	33.6024	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.05 Put	1,500	42.9228	35.8267	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	45.7715	38.1999	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	1441.8693	1662.3342	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	57.1605	44.5649	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	1398.2573	1615.2174	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	17,800	61.0573	46.3174	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.32 Put	13,650	70.9323	50.6818	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.33 Put	135,000	72.4344	51.3388	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	1229.5696	1434.1307	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	92.3696	65.2307	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	228,616	1188.9641	1391.2039	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	29,800	101.7641	72.3039	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.60 Put	66,000	122.5912	88.1546	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.68 Put	13,150	141.3052	102.5758	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	146.2796	106.4351	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.75 Put	700	159.2462	116.5391	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	974.5927	1161.8231	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	170.1696	125.1067	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	960.1799	1146.2160	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Put	400	172.9799	127.3160	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	13.90 Put	35,000	203.9672	150.9588	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	858.5004	1032.7575	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	20,200	826.7078	996.3989	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Put	58,250	239.5078	177.4989	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.10 Put	1,867	278.5602	207.0564	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.12 Put	4,372	286.7919	213.8666	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	748.1616	906.2240	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.15 Put	236,970	299.4033	224.3416	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.16 Put	36,200	303.6753	227.9018	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Call	1,000	708.3164	861.3853	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.20 Put	13,650	321.1164	242.4853	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.24 Put	24,570	339.1124	257.6151	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.25 Call	1,000	680.8991	830.3840	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.30 Put	35,000	367.1416	281.3426	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	638.8140	782.5659	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Put	31,047	381.6140	293.6659	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	628.6324	770.9538	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Put	4,428	391.4324	302.0538	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.39 Put	1,000	411.4721	319.2381	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	584.4712	720.3778	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Call	700	556.5092	688.1774	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.50 Put	15,500	469.3092	369.2774	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.51 Put	3,388	474.7606	374.0246	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	84,900	512.4619	637.1567	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Put	3,000	525.2619	418.2567	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	508.4071	632.2318	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	504.3831	627.3420	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Call	5,000	484.7191	603.3742	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.67 Put	3,000	567.5191	454.4742	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	473.2804	589.3750	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.74 Put	13,150	611.2392	492.2458	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	454.8011	566.6669	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Put	700	617.6011	497.7669	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Call	400	437.0324	544.7321	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.80 Put	135,000	649.8324	525.8321	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	423.3188	527.7253	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.90 Put	35,000	716.3551	585.0367	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	11,333	372.6755	466.8601	0.0000	0.0000	100	0.00
Dec 2018	ZAUS	15.00 Put	20,700	785.4755	647.9601	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	369.7239	463.3060	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	346.9653	435.8306	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.10 Call	500	344.2248	432.5150	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.15 Call	27,030	330.8557	416.3163	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.20 Put	50	930.8349	781.8372	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.25 Put	500	968.5397	816.8633	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.30 Put	35,000	1006.7507	852.4720	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.37 Call	4,372	278.2302	352.1669	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.46 Call	1,867	259.2424	329.0091	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	255.2174	324.0863	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	4,000	251.2579	319.2453	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Put	600	1164.0579	1000.3453	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.51 Call	24,570	249.3045	316.8542	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.59 Call	31,047	234.2582	298.4047	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.60 Call	500	232.4492	296.1826	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.61 Call	4,428	230.6556	293.9555	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	7,500	215.1813	274.7112	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.73 Call	135,000	210.2841	268.6040	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.84 Put	2,000	1446.1636	1268.5569	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.85 Call	20,300	191.9013	245.6273	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.91 Call	121,970	183.3966	234.9633	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	50	171.4315	219.9233	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.11 Call	38,250	157.4844	202.9948	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.14 Call	10,000	153.7867	198.6380	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.20 Call	2,000	146.6697	190.2436	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.24 Call	750	142.1228	184.8745	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.56 Call	13,650	110.8522	146.0457	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.80 Call	13,150	92.4112	122.3418	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	17.00 Call	3,700	79.6672	105.8550	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	4.9100	3.8668	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	15.6504	13.7772	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	51.3311	38.8788	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.51 Put	720	54.5769	41.5271	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.90 Put	16,000	95.7201	75.7775	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.92 Put	139,342	98.3519	78.0016	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.00 Put	14,028	109.4473	87.4102	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.05 Put	1,155	116.8620	93.7246	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.12 Put	138,000	127.8851	103.1517	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.15 Put	10,125	132.8476	107.4070	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.36 Put	134,750	173.5807	141.0676	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	198.1339	159.6302	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.55 Put	10,000	222.1436	179.1074	0.0000	0.0000	10,000	0.00
Mar 2019	ZAUS	13.68 Put	14,200	260.1098	211.6971	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.70 Put	2,500	266.2982	217.0387	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.72 Put	10,000	272.5841	222.4691	0.0000	0.0000	0	0.00

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Mar 2019	ZAUS	13.75 Put	17,981	282.1903	230.7852	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.79 Put	262,812	295.3311	242.1837	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	319.2431	263.0037	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.90 Put	720	333.4366	275.4070	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.00 Put	16,000	370.6032	308.0234	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.04 Put	7,100	387.3388	321.7243	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.28 Put	7,028	496.4994	412.7290	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	1,000	970.7478	1121.2804	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.35 Put	139,342	531.0618	443.8015	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.44 Put	7,000	577.2542	485.5375	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	882.9074	1024.5291	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.50 Put	10,000	609.1257	514.4686	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.53 Put	108	625.3765	529.2587	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.56 Put	138,000	641.8361	544.2645	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.65 Put	10,000	692.4525	590.5635	0.0000	0.0000	10,000	0.00
Mar 2019	ZAUS	14.74 Put	24,325	744.8778	638.7385	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.82 Put	4,145	793.1502	683.1033	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.83 Put	10,010	799.2844	688.7482	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.84 Put	134,750	805.4394	694.4151	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	685.3821	803.9064	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.04 Put	77,255	932.7666	812.2850	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.12 Put	99,824	985.8672	861.8054	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.13 Put	7,100	992.5899	868.0832	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.17 Call	720	614.1586	723.1982	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.19 Put	41,300	1033.3031	906.1676	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20 Put	2,500	1040.1479	912.5853	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.32 Put	262,812	1123.6783	991.0264	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	531.3764	628.7355	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.46 Call	108	528.6580	625.6179	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	507.5967	601.2926	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.66 Call	139,342	477.9792	566.7470	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.81 Call	10	443.7523	526.8598	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.89 Call	4,145	426.6823	507.0660	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.00 Call	20,000	404.4756	481.2621	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.13 Call	138,000	380.0082	452.7542	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.30 Call	10,000	349.9891	418.4876	0.0000	0.0000	10,000	0.00
Mar 2019	ZAUS	16.38 Call	134,750	336.0734	403.4655	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.58 Call	10,000	303.9405	367.6122	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.60 Call	50	300.9260	364.0772	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.96 Call	12,600	252.1307	306.6203	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	16.97 Call	63,500	250.9124	305.1804	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.02 Call	262,812	244.9294	298.1011	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	17.08 Call	7,028	237.9668	289.8579	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.09 Call	106,824	236.8288	288.5097	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.10 Call	2,500	235.7000	287.1689	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.23 Call	41,300	221.5672	270.3968	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.30 Call	10,125	214.3783	261.8478	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	17.50 Call	16,000	195.3339	239.1515	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.00 Call	14,200	161.6792	192.0926	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	18.40 Call	7,100	143.4167	170.3339	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	13.0557	13.5791	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	44.8813	30.0462	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	104.5995	77.6154	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	148.0780	114.0989	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.00 Put	8,203	152.3500	117.7389	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	210.0888	167.6752	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	394.5474	338.3628	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	6,250	413.0176	354.9576	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	1,000	1400.9851	1578.6243	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	1162.0699	1314.6769	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	1087.7813	1232.6634	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.63 Put	8,203	766.1031	669.4262	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	985.6352	1120.7992	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	731.5406	841.1713	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	6,250	711.2836	818.5235	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	662.4832	763.4388	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.92 Call	911	632.3554	729.1103	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	16.00 Call	20	613.2021	707.3692	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	17.96 Call	8,203	298.1291	350.5767	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	20.0446	19.8416	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	70.5746	56.3528	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.91 Put	81,930	494.8214	436.8094	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	13.97 Put	800	518.5348	458.5833	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.09 Put	33,715	567.8976	504.0251	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.14 Put	141,127	589.2161	523.7059	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.21 Put	2,700	619.8057	551.9785	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.33 Put	33,151	674.2428	602.4278	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	14.72 Put	1,200	881.5651	787.3942	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.38 Put	5,000	1286.5383	1172.5182	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.55 Call	30,000	959.7607	1084.7790	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.56 Put	2,571	1406.5398	1286.6332	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	862.7744	977.7513	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.23 Call	800	564.3811	646.2222	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	17.64 Call	5,000	500.3659	574.0916	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	17.85 Call	2,700	471.3489	541.2841	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	17.93 Call	2,571	460.9060	529.4593	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.29 Call	81,930	422.1046	480.4395	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.47 Call	1,200	406.6233	460.0148	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.63 Call	33,715	393.7834	445.3459	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	18.67 Call	141,127	390.7033	441.8249	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	19.32 Call	33,151	347.0120	391.7949	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	11.89 Put	1,000	57.6993	56.9587	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	13.66 Put	1,000	451.7864	389.2099	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	17.38 Call	1,000	726.4723	817.1999	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	446.0568	501.9978	0.0000	0.0000	0	0.00	
			<u>6,776,221</u>					<u>30,100.00</u>	<u>0.00</u>	<u>59 118 450.00</u>
		Total	7,655,639					121,385.00	1,339,305,898.60	245 685 504.00
										2 231 630 077 766.10

Grand Total	9,526,738							176,066.00	1 557 453 152.00	335,764,540	3,099,036,360,901.32
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