



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 14-December-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jan 2018	DAAD	Future	5	10.3451	10.3420	0.0000	0.0000	0	0.00
Feb 2018	DAAD	Future	46	10.4143	10.4096	0.0000	0.0000	0	0.00
			<u>51</u>					<i>0.00</i>	<i>0.00</i>
		Total	51					0.00	0.00
									<i>77 060.00</i>
									<i>730 229 419.30</i>
Future									
Dec 2017	DAEU	Future	3	15.8827	15.9080	0.0000	0.0000	0	0.00
Dec 2017	DAEU	Future	800	15.9035	15.9442	0.0000	0.0000	0	0.00
Jan 2018	DAEU	Future	30	16.0471	16.0870	0.0000	0.0000	0	0.00
Mar 2018	DAEU	Future	63	16.1941	16.2341	0.0000	0.0000	0	0.00
Mar 2018	DAEU	Future	3	16.2440	16.2851	0.0000	0.0000	0	0.00
			<u>899</u>					<i>0.00</i>	<i>0.00</i>
									<i>248 727.00</i>
									<i>3 589 786 759.20</i>
Option									
Jan 2018	DAEU	15.80 Put	193,000	361.0852	327.0537	0.0000	0.0000	0	0.00
Feb 2018	DAEU	16.41 Put	114,748	724.9005	689.2946	0.0000	0.0000	0	0.00
			<u>307,748</u>					<i>0.00</i>	<i>0.00</i>
		Total	308,647					0.00	0.00
									<i>632 539.00</i>
									<i>0.00</i>
Future									
Dec 2017	DAGB	Future	10	18.0482	18.1005	0.0000	0.0000	0	0.00
Jan 2018	DAGB	Future	10	18.2113	18.2793	0.0000	0.0000	0	0.00
Mar 2018	DAGB	Future	17	18.3102	18.3771	0.0000	0.0000	0	0.00
Mar 2018	DAGB	Future	38	18.3558	18.4243	0.0000	0.0000	0	0.00
			<u>75</u>					<i>0.00</i>	<i>0.00</i>
		Total	75					0.00	0.00
									<i>53 555.00</i>
									<i>878 571 162.50</i>
Future									
Dec 2017	DAUS	Future	0	13.4503	13.5382	0.0000	0.0000	241	3,241,522.30
Dec 2017	DAUS	Future	1,781	13.4567	13.5382	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	300	13.4525	13.5447	0.0000	0.0000	0	0.00

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Dec 2017	DAUS	Future	221	13.4567	13.5490	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	916	13.4693	13.5618	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	1,000	13.4735	13.5660	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	677	13.4860	13.5787	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	220	13.4965	13.5893	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	500	13.4986	13.5914	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	13.5028	13.5956	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	574	13.5090	13.6020	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	500	13.5111	13.6041	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	13.5153	13.6083	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	70	13.5304	13.6230	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	2,430	13.5434	13.6356	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	70	13.5715	13.6629	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	10	13.5758	13.6671	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	1,000	13.6027	13.6943	0.0000	0.0000	0	0.00		
Mar 2018	DAUS	Future	2,641	13.6331	13.7257	0.0000	0.0000	0	0.00		
Mar 2018	DAUS	Future	1,199	13.6624	13.7556	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	70	13.7176	13.8111	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	110	13.7304	13.8239	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	70	13.7537	13.8473	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	181	13.7962	13.8900	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	445	13.8584	13.9524	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	100	13.8650	13.9589	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,800	13.9043	13.9979	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,500	13.9130	14.0065	0.0000	0.0000	500	6,983,750.00		
Jul 2018	DAUS	Future	70	13.9152	14.0087	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,853	13.9282	14.0217	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	13.9566	14.0498	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	1,336	13.9959	14.0888	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	1,295	14.0573	14.1499	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.1171	14.2095	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.1260	14.2183	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.1593	14.2514	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.3724	14.4640	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.7249	15.8153	0.0000	0.0000	0	0.00		
			<u>107,926</u>					<u>741.00</u>	<u>10,225,272.30</u>	<u>6 926 799.00</u>	<u>84 004 991 682.80</u>
Option											
Dec 2017	DAUS	13.78 Call	5,000	5.9888	69.2326	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	13.50 Put	60	346.6590	274.2691	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	18.02 Call	60	1.8110	1.5600	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	14.50 Call	150	68.9749	68.9148	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	14.80 Call	200	40.4126	38.3867	0.0000	0.0000	0	0.00		

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Jan 2018	DAUS	12.50 Put	20,000	52.1819	32.2811	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	20,000	255.3323	199.6354	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.20 Put	2,000	237.1936	183.7388	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.76 Call	1,000	63.8374	63.9647	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.88 Call	1,000	53.1218	52.6521	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.50 Put	238	387.1190	319.4987	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.75 Call	238	293.6427	309.2392	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.12 Call	50,000	182.7943	190.4366	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.90 Put	20,000	639.2815	559.0664	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.75 Put	18,000	541.8442	465.7018	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.16 Put	19,500	255.0932	0.0000	0.0000	0.0000	19,500	0.00
Jan 2018	DAUS	13.20 Put	17,000	271.1319	219.2290	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	107,000	292.0418	238.0892	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.27 Put	154,000	300.6747	245.9107	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.30 Put	40,904	313.9095	257.9408	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.40 Put	168,000	360.5134	300.6409	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.00 Call	19,500	265.0798	0.0000	0.0000	0.0000	37,000	0.00
Jan 2018	DAUS	14.25 Call	29,000	199.4488	209.3715	0.0000	0.0000	0	0.00
Feb 2018	DAUS	12.57 Put	242	88.9201	64.2775	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.04 Put	234	212.1299	167.1077	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.15 Put	3,496	252.7295	203.0925	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.22 Call	242	61.4681	64.0921	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.52 Call	2,723	40.4973	41.7853	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.79 Call	234	27.5396	28.1158	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.88 Call	773	24.1727	24.5862	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.20 Put	35,000	278.4864	227.5506	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.80 Put	35,000	593.0619	520.7809	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.16 Put	1,880	265.4845	216.4646	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.86 Put	1,880	634.3885	561.3167	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.05 Call	1,880	90.2196	94.5738	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.75 Put	20,000	567.5546	498.0008	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.90 Put	20,000	663.4429	590.4419	0.0000	0.0000	0	0.00
Feb 2018	DAUS	14.20 Put	20,000	878.4257	801.8751	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.80 Call	8,500	415.6853	0.0000	0.0000	0.0000	17,000	0.00
Feb 2018	DAUS	14.18 Put	90,000	869.5234	798.9517	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.40 Put	100,000	394.4280	345.6498	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.00 Put	1,000	1524.7541	1450.6981	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.81 Call	2,000	134.8239	146.8581	0.0000	0.0000	0	0.00
Apr 2018	DAUS	13.80 Put	1,000	659.0423	606.8592	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.23 Call	500	215.7590	233.8219	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.66 Call	500	157.9448	171.6514	0.0000	0.0000	0	0.00
May 2018	DAUS	12.74 Put	1,880	209.3462	184.5553	0.0000	0.0000	0	0.00

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May 2018	DAUS	13.86 Put	1,880	700.7512	647.5330	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.63 Call	1,880	175.8546	190.7545	0.0000	0.0000	0	0.00		
May 2018	DAUS	12.75 Put	11,000	215.5087	190.4309	0.0000	0.0000	0	0.00		
May 2018	DAUS	14.50 Put	11,000	1132.1613	1067.6049	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.76 Call	11,000	168.0071	182.2020	0.0000	0.0000	0	0.00		
May 2018	DAUS	13.80 Put	1,000	678.5499	628.6687	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.43 Call	500	241.2975	260.3934	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.89 Call	500	179.4283	194.0271	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	13.80 Put	1,000	696.3501	647.9695	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	15.62 Call	500	264.1724	284.2778	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	16.10 Call	500	200.0904	215.5802	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.19 Put	1,500	942.2602	888.5379	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.45 Put	1,500	1114.3254	1056.6875	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.72 Call	1,500	292.7215	313.7013	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	260.0489	278.8715	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	712.3017	666.0597	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	289.6122	309.8894	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	223.0041	239.1345	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	161.7414	141.3460	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	749.1435	701.9889	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	250.7357	268.4597	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	726.5762	680.9133	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	307.8475	327.5307	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	240.6047	256.1137	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	737.4046	693.2235	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	324.4470	344.0223	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	255.0999	270.4487	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	747.6086	705.4169	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	345.0601	365.0012	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	276.6427	292.7334	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.90 Put	1,880	96.0440	82.6338	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.86 Put	1,880	781.0505	737.7087	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.81 Call	1,880	307.4790	325.1053	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	756.2705	715.0748	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	359.4467	379.2692	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	289.5985	304.1573	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.65 Put	20,000	681.8711	643.5645	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	15.69 Call	20,000	554.5007	583.6485	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	767.1940	727.1876	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	380.4917	400.1438	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	311.1097	325.8128	0.0000	0.0000	0	0.00		
			<u>1,151,854</u>					<u>73,500.00</u>	<u>0.00</u>	<u>15 686 561.00</u>	<u>0.00</u>

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Total			1,259,780					74,241.00	10,225,272.30	22 613 360.00	84 004 991 682.80	
Future												
	Mar 2018	EUUS	Future	15	1.1881	1.1831	0.0000	0.0000	0	0.00		
				15					0.00	0.00	649 125.00	7 293 499 720.00
	Total			15					0.00	0.00	649 125.00	7 293 499 720.00
Future												
	Dec 2017	ZAAD	Future	2,263	10.3060	10.2977	10.3700	10.2985	9,174	94,977,097.00		
	Mar 2018	ZAAD	Future	11,381	10.4425	10.4389	10.5100	10.5100	7,160	75,186,890.00		
	Jun 2018	ZAAD	Future	7,682	10.5886	10.5850	0.0000	0.0000	2,670	28,296,660.00		
	Dec 2018	ZAAD	Future	10,812	10.8896	10.8839	0.0000	0.0000	0	0.00		
				32,138					19,004.00	198,460,647.00	3 492 475.00	30 141 706 973.50
	Total			32,138					19,004.00	198,460,647.00	3 524 852.00	30 141 706 973.50
Future												
	Dec 2017	ZACA	Future	350	10.4732	10.5331	10.5035	10.4409	250	2,616,485.00		
	Mar 2018	ZACA	Future	250	10.6334	10.6999	0.0000	0.0000	0	0.00		
				600					250.00	2,616,485.00	123 653.00	1 216 466 417.10
	Total			600					250.00	2,616,485.00	123 653.00	1 216 466 417.10
Future												
	Dec 2017	ZADK	Future	350	2.1416	2.1462	0.0000	0.0000	0	0.00		
				350					0.00	0.00	10 920.00	235 376 009.00
	Total			350					0.00	0.00	10 920.00	235 376 009.00
Future												
	Dec 2017	ZAEU	Future	88,271	15.8827	15.9149	16.0795	15.8825	37,796	601,921,665.80		
	Mar 2018	ZAEU	Future	83,746	16.2074	16.2486	16.4044	16.1798	54,007	878,744,550.00		
	Jun 2018	ZAEU	Future	3,541	16.5359	16.5770	0.0000	0.0000	1,690	28,037,100.00		
	Sep 2018	ZAEU	Future	5,392	16.8786	16.9182	16.9206	16.9181	250	4,229,550.00		
	Dec 2018	ZAEU	Future	1,928	17.2229	17.2596	0.0000	0.0000	0	0.00		
				182,878					93,743.00	1,512,932,865.80	13 110 186.00	185 464 533 460.70
Option												
	Dec 2017	ZAEU	14.00 Put	18,000	2.3427	2.4922	0.0000	0.0000	0	0.00		
	Dec 2017	ZAEU	16.39 Call	18,000	60.0877	92.4340	0.0000	0.0000	0	0.00		
	Mar 2018	ZAEU	15.05 Put	5,648	168.8368	151.4398	0.0000	0.0000	0	0.00		
	Mar 2018	ZAEU	15.10 Put	19,510	180.6188	162.4592	0.0000	0.0000	0	0.00		
	Mar 2018	ZAEU	16.39 Put	174,600	726.6329	691.0140	0.0000	0.0000	0	0.00		
	Mar 2018	ZAEU	16.50 Call	643	502.3751	507.2571	0.0000	0.0000	0	0.00		
	Mar 2018	ZAEU	17.00 Call	620	346.6903	349.3958	0.0000	0.0000	0	0.00		

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Jun 2018	ZAEU	13.75 Put	54,507	51.9183	46.5469	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.97 Put	7,000	68.2505	61.7243	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.25 Put	54,507	275.9103	258.3435	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.44 Put	7,000	768.4214	738.9682	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	7,000	276.6467	279.0613	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	54,507	104.6698	103.5964	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	166,283	104.8815	99.6818	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	124,767	495.7992	478.6369	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.00 Put	41,516	553.8884	535.4022	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	124,767	335.4088	338.9900	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	21.63 Call	41,516	190.1492	191.9666	0.0000	0.0000	0	0.00	
			<u>920,391</u>					0.00	0.00	6 627 533.00
		Total	1,103,269					93,743.00	1,512,932,865.80	19 737 719.00
										185 464 533 460.70
Future										
Dec 2017	ZAFR	Future	1,215	13.6106	13.6811	13.6460	13.5522	750	10,192,275.00	
			<u>1,215</u>					750.00	10,192,275.00	601 203.00
		Total	1,215					750.00	10,192,275.00	6 400 363 231.60
Future										
Dec 2017	ZAGB	Future	44,245	18.0482	18.1075	18.1258	18.0224	1,949	35,286,350.50	
Mar 2018	ZAGB	Future	196,426	18.3689	18.4386	18.4658	18.4011	1,751	32,308,419.40	
Jun 2018	ZAGB	Future	7,282	18.6906	18.7606	0.0000	0.0000	2,100	39,413,802.00	
Sep 2018	ZAGB	Future	3,626	19.0221	19.0895	0.0000	0.0000	0	0.00	
			<u>251,579</u>					5,800.00	107,008,571.90	9 643 837.00
										161 303 832 224.50
Option										
Dec 2017	ZAGB	18.20 Call	400	230.9626	270.9985	0.0000	0.0000	0	0.00	
Dec 2017	ZAGB	19.80 Call	800	19.5034	22.9155	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	17.00 Put	500	209.1345	197.0849	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	19.00 Call	1,500	485.8865	513.9880	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	20.14 Call	500	226.6425	241.9530	0.0000	0.0000	0	0.00	
Jun 2018	ZAGB	17.50 Put	500	451.5269	0.0000	0.0000	0.0000	500	0.00	
Jun 2018	ZAGB	20.40 Call	500	441.4826	0.0000	0.0000	0.0000	500	0.00	
			<u>4,700</u>					1,000.00	0.00	1 774 113.00
		Total	256,279					6,800.00	107,008,571.90	11 417 950.00
										161 303 832 224.50
Future										
Dec 2017	ZAJY	Future	80	0.1195	0.1197	0.0000	0.0000	0	0.00	
Mar 2018	ZAJY	Future	115	0.1218	0.1221	0.0000	0.0000	0	0.00	
			<u>195</u>					0.00	0.00	953 210.00
		Total	195					0.00	0.00	10 622 152 867.80

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jun 2018	ZAKS	Future	1,145	0.1297	0.1302	0.0000	0.0000	0	0.00
Sep 2018	ZAKS	Future	562	0.1291	0.1300	0.0000	0.0000	0	0.00
			<u>1,707</u>					<u>0.00</u>	<u>0.00</u>
		Total	1,707					0.00	0.00
									31 923.00 432 652 210.00
Future									
Mar 2018	ZATR	Future	433	3.4227	3.4702	0.0000	0.0000	0	0.00
			<u>433</u>					<u>0.00</u>	<u>0.00</u>
		Total	433					0.00	0.00
									238 189.00 860 554 603.00
Future									
Dec 2017	ZAUM	Future	333	13.4567	13.5426	0.0000	0.0000	0	0.00
Mar 2018	ZAUM	Future	399	13.6412	13.7342	0.0000	0.0000	0	0.00
Jun 2018	ZAUM	Future	86	13.8345	13.9285	0.0000	0.0000	0	0.00
			<u>818</u>					<u>0.00</u>	<u>0.00</u>
		Total	818					0.00	0.00
									145 607.00 167 417 910 390.00
Future									
Dec 2017	ZAUS	Future	270,760	13.4567	13.5426	13.5181	13.3932	138,835	1,871,630,035.00
Mar 2018	ZAUS	Future	773,586	13.6412	13.7342	13.7227	13.5900	157,014	2,145,709,388.90
Jun 2018	ZAUS	Future	140,124	13.8345	13.9285	13.9151	13.8000	24,597	340,736,502.30
Sep 2018	ZAUS	Future	3,797	14.0330	14.1257	13.9892	13.9892	10	139,892.00
Mar 2019	ZAUS	Future	0	14.4510	14.5424	0.0000	0.0000	1,550	21,146,650.00
			<u>1,188,267</u>					<u>322,006.00</u>	<u>4,379,362,468.20</u>
									161 526 135.00 1 899 485 091 511.60
Option									
Dec 2017	ZAUS	11.75 Put	1,000	2.2358	1.9550	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.00 Put	16,141	4.9562	4.3396	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.16 Put	550	7.4271	7.1021	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.20 Put	4,000	7.9259	8.0145	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.21 Put	18,000	8.0571	8.1190	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.40 Put	114,600	11.1603	10.3709	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.50 Put	16,416	13.4025	11.9313	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.56 Put	7,100	15.0225	13.0341	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.65 Put	1,819	17.9422	14.9832	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.75 Put	10,000	22.0698	17.6781	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	12.76 Put	550	22.5448	17.9850	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.00 Put	10,500	53.0222	41.5928	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.10 Put	41,000	74.7005	61.6717	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.18 Put	16,000	96.4081	82.0961	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.20 Call	7,000	359.1930	430.4522	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>
Dec 2017	ZAUS	13.20 Put	6,728	102.4930	87.8522	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.21 Put	5,000	105.6380	90.8313	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.22 Put	7,100	108.8522	93.8776	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.25 Call	16,141	325.6158	396.0268	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.35 Put	52,000	157.1798	139.8093	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.40 Put	114,600	179.1252	160.6764	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.50 Call	11,116	186.2624	250.3946	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.52 Put	21,000	240.7265	218.0726	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.53 Put	3,700	246.4218	223.3166	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.56 Put	3,700	263.9562	239.2579	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.60 Call	4,000	145.0649	203.5249	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.64 Put	4,400	313.9199	283.6807	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.67 Put	640	333.8154	301.4512	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Call	3,750	93.7627	140.8676	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Put	3,000	397.0627	358.2676	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.80 Put	550	426.7837	385.1447	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.90 Put	2,600	504.9929	456.4256	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.93 Call	7,820	56.1513	91.4818	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Call	19,000	44.8104	75.6534	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Put	34,000	588.1104	533.0534	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.27 Put	40,000	836.6971	762.2813	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.40 Call	1,000	18.8609	27.6061	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Call	8,000	16.1960	23.3118	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Put	2,055	1059.4960	980.7118	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.63 Call	10,000	13.5046	18.9707	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.90 Call	1,500	9.0568	12.9574	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	4,580	7.5486	10.8520	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	6.2183	8.9831	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.50 Call	25,457	3.3035	4.8378	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.60 Call	10,000	2.8471	4.1808	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	16.00 Call	117,200	1.6551	2.4510	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.13 Call	18,000	0.1389	0.2052	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	0.1075	0.1549	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	0.0101	0.0147	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	225,000	52.1892	45.1236	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.36 Put	20,880	88.2420	75.6345	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	94.8658	79.9854	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.50 Put	26,200	113.0395	95.9451	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.57 Put	3,000	127.2040	108.4611	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.82 Put	10,323	188.3133	163.0774	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.94 Put	5,000	223.8947	195.2594	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	107,516	244.1474	212.8954	0.0000	0.0000	2,500	0.00

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Mar 2018	ZAUS	13.22 Put	15,000	328.8491	290.3610	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	45,478	341.6049	302.2633	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.32 Put	7,500	372.4961	331.1693	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	400.2185	357.2058	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	7,500	409.7156	366.1443	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Call	40,000	600.2846	646.9510	0.0000	0.0000	5,000	0.00
Mar 2018	ZAUS	13.50 Put	17,750	459.0846	412.7510	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.52 Put	7,200	469.3352	422.4534	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.60 Put	200,389	511.5655	462.5281	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.70 Call	25,150	508.9599	549.6148	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.72 Call	100	500.6940	540.5571	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.72 Put	100	579.4940	526.3571	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.74 Put	20,880	591.3422	537.4197	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.76 Call	4,000	484.5063	522.9451	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.79 Call	2,000	472.6676	510.3612	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.84 Put	1,000	652.3044	595.7788	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.89 Call	1,000	435.0311	470.3180	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.89 Put	1,000	683.8311	626.1180	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.91 Put	7,000	696.6348	638.4516	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.93 Call	100	420.7428	455.0970	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.93 Put	10,323	709.5428	650.8970	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.95 Put	1,000	722.5568	663.4532	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.98 Put	200	742.2743	682.4942	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.00 Call	12,500	396.7486	429.5225	0.0000	0.0000	2,500	0.00
Mar 2018	ZAUS	14.02 Call	55	390.1279	422.4579	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.05 Put	500	789.1819	727.8604	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.07 Call	100	374.0091	405.2584	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.12 Call	4,951	358.5076	388.7033	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.16 Put	750	865.3350	801.7104	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.18 Put	41,000	879.4892	815.4616	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Call	36	334.9356	363.5097	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Put	65,000	893.7356	829.3097	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.22 Put	2,000	908.0757	843.2536	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.25 Call	4,167	320.9503	348.5479	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.44 Call	10,000	272.9775	296.8420	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.45 Call	17,000	270.6710	294.3333	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.49 Put	80,000	1110.4398	1040.3600	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Call	10,490	259.4277	282.1673	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Put	400	1118.2277	1047.9673	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.52 Put	850	1133.8586	1063.2406	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.54 Call	7,500	250.7648	272.7891	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.57 Call	100	244.4570	265.9589	0.0000	0.0000	0	0.00

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Mar 2018	ZAUS	14.60 Call	100	238.3072	259.2949	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.75 Call	20,880	209.8050	228.3840	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.86 Call	15,000	191.1169	208.0918	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.90 Call	5,000	184.7502	201.1734	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	18,718	183.1943	199.4812	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.95 Call	3,000	177.0984	192.8543	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.00 Call	6,126	169.7711	184.8869	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	153.9847	168.5272	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.26 Call	2,500	134.7816	147.8576	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	112.8675	123.8951	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	65,000	108.9385	119.5948	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.57 Call	6,000	102.3945	112.4285	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.69 Call	750	92.0964	101.1445	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.00 Call	13,276	70.1622	77.0744	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.16 Call	225,000	61.0516	67.0644	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	750	16.7854	14.6151	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	66	39.0973	32.8040	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	137,000	88.5432	76.5680	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	104,895	126.6912	110.9924	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	135.6020	0.0000	0.0000	0.0000	49,000	0.00
Jun 2018	ZAUS	12.40 Put	12,603	154.8031	136.6008	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	114,600	176.3551	155.9487	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	240.6251	215.0619	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	305.5684	275.8577	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	30,358	319.1144	288.5995	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	336.5885	305.0645	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	381.4512	347.0172	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.22 Put	15,000	402.2045	365.5235	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,550	436.7437	397.6683	0.0000	0.0000	24,500	0.00
Jun 2018	ZAUS	13.46 Put	5,183	510.6870	468.3557	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	520.3798	477.6514	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	530.1756	487.0442	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	601.4667	555.6030	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	104,895	660.7893	612.8385	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	688.6871	639.8147	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	694.3397	645.2816	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	705.7057	656.2818	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	711.4228	661.8188	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	746.5618	695.5188	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	6,130	807.0252	753.8276	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	869.6356	814.6659	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	967.4073	909.8988	0.0000	0.0000	0	0.00

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Jun 2018	ZAUS	14.53 Call	7,600	465.8786	498.0315	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	14.71 Call	50	418.7273	447.6758	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	14.81 Call	500	394.7788	422.3196	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.11 Call	760	331.2922	355.0078	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.14 Call	2,700	325.5803	348.9441	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.30 Call	24,500	296.3154	0.0000	0.0000	0.0000	49,000	0.00		
Jun 2018	ZAUS	15.43 Call	15,000	273.6440	294.8730	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.50 Call	114,600	262.1877	282.6182	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.53 Call	965	257.4301	277.5286	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.79 Call	40,000	219.8027	237.2110	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.16 Call	5,183	175.9917	190.1609	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.38 Call	750	154.4847	167.0136	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.41 Call	300	151.7802	164.1025	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.49 Call	7,420	144.8212	156.6052	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.52 Call	66	142.3018	153.8892	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.65 Call	500	132.4768	142.7099	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.92 Call	104,895	116.1807	123.8738	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.00 Call	3,500	111.8603	119.1537	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.21 Call	500	101.4838	107.8219	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.28 Call	5,630	98.3117	104.3590	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.38 Call	7,028	94.0073	99.6608	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.00 Put	750	22.1944	18.5660	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.75 Put	73,314	70.1603	57.6145	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.61 Put	5,300	251.2495	225.4074	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.65 Put	1,550	263.5127	237.0592	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.85 Put	750	323.3541	297.1474	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.25 Put	73,314	467.4564	434.8358	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.36 Put	2,179	513.1526	478.4971	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.65 Call	1,464	1036.1246	1086.7602	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.73 Put	2,500	694.8509	651.4219	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	15.97 Call	5,300	348.3414	369.9489	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.04 Call	1,550	337.2129	358.1531	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.08 Call	2,179	331.0310	351.6002	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.14 Call	750	321.9930	342.0153	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.29 Call	73,314	300.5844	319.2927	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	17.02 Call	2,500	219.2170	230.6957	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.96 Put	23,443	398.4758	372.8392	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	17.24 Call	23,443	314.6143	331.5155	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	602.7185	623.6512	0.0000	0.0000	0	0.00		
			<u>3,791,409</u>					<u>132,500.00</u>	<u>0.00</u>	<u>42 124 716.00</u>	<u>0.00</u>
	Total		4,979,676					454,506.00	4,379,362,468.20	203 650 851.00	1 899 485 091 511.60

<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>
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Grand Total		7,945,248					649,294.00	6 220 798 585.20	273,362,927	2,603,933,665,874.30
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