



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 05-July-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jul 2018	DAEU	Future	34	15.9246	16.0019	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	33	15.9721	16.0502	0.0000	0.0000	0	0.00
			<u>67</u>					<u>0.00</u>	<u>0.00</u>
									<u>791 057.00</u>
									<u>11 807 017 135.60</u>
Option									
Jul 2018	DAEU	15.63 Put	10,000	61.6106	52.4433	0.0000	0.0000	0	0.00
			<u>10,000</u>					<u>0.00</u>	<u>0.00</u>
									<u>956 787.00</u>
									<u>0.00</u>
		Total	10,067					0.00	0.00
									1 747 844.00
									11 807 017 135.60
Future									
Jul 2018	DAUS	Future	150	13.5932	13.7180	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	142	13.5933	13.7268	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	34	13.6003	13.7339	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	13.6072	13.7410	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	13.6141	13.7481	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	13.6158	13.7498	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	920	13.6193	13.7534	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,867	13.6262	13.7605	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	55	13.6296	13.7640	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	13.6487	13.7835	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	5,470	13.6522	13.7871	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	600	13.6610	13.7960	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,547	13.6803	13.8156	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	197	13.6855	13.8210	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	4,280	13.7298	13.8661	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	55	13.7369	13.8733	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	13.7774	13.9147	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	13.7844	13.9219	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,608	13.7879	13.9255	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	55	13.7897	13.9273	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	13.8107	13.9488	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	Future	700	13.8160	13.9542	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	3,363	13.8405	13.9794	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	2,078	13.8949	14.0350	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	13.8984	14.0386	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	55	13.9472	14.0885	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	13.9490	14.0902	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	13.9716	14.1133	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	4,725	13.9977	14.1400	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	14.0447	14.1879	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	55	14.0551	14.1986	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,280	14.1044	14.2489	0.0000	0.0000	0	0.00
May 2019	DAUS	Future	55	14.1593	14.3049	0.0000	0.0000	0	0.00
Jun 2019	DAUS	Future	54,000	14.1646	14.3103	0.0000	0.0000	0	0.00
Jul 2019	DAUS	Future	55	14.2141	14.3608	0.0000	0.0000	0	0.00
Aug 2019	DAUS	Future	55	14.2722	14.4046	0.0000	0.0000	0	0.00
Sep 2019	DAUS	Future	55	14.3334	14.4462	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.3908	14.4852	0.0000	0.0000	0	0.00
Oct 2019	DAUS	Future	55	14.4462	14.5229	0.0000	0.0000	0	0.00
Dec 2019	DAUS	Future	55	14.5074	14.5644	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.5667	14.6047	0.0000	0.0000	0	0.00
Jan 2020	DAUS	Future	55	14.6222	14.6424	0.0000	0.0000	0	0.00
Mar 2020	DAUS	Future	55	14.6814	14.6826	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.7407	14.7229	0.0000	0.0000	0	0.00
Apr 2020	DAUS	Future	55	14.7923	14.7580	0.0000	0.0000	0	0.00
Jun 2020	DAUS	Future	1,055	14.8574	14.8021	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	14.9722	14.9048	0.0000	0.0000	0	0.00
			<u>181,520</u>					<u>0.00</u>	<u>0.00</u>
									<u>10 298 761.00</u>
									<u>125 323 288 377.60</u>
Option									
Jul 2018	DAUS	12.07 Put	2,000	0.0001	0.0000	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.25 Put	20,000	1.9357	1.6293	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	54.6012	149.7514	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Put	20,000	61.4012	31.7514	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	17.5595	68.8535	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.75 Put	20,000	171.3406	93.0804	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	859.4660	743.6954	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	0.7035	1.0629	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.50 Put	40,000	143.9680	104.3261	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.00 Put	500	27.3632	21.8170	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.50 Call	500	293.1861	386.9949	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	336.9901	266.2962	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	1.9497	3.3342	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	0.7275	1.0774	0.0000	0.0000	0	0.00

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Aug 2018	DAUS	12.32 Put	1,880	4.7226	4.1700	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	398.0356	324.2230	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	1.5640	2.6859	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	78.5722	63.2610	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	353.7471	435.1861	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	411.5769	345.4965	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	12.1986	19.5024	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	5.7928	9.7557	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	189.2415	156.1274	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	118.0499	99.2309	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	397.6997	473.8837	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	459.9744	398.3782	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	31.9521	41.7361	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	16.4465	22.6429	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	156.4177	136.0865	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	502.9026	445.2677	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	440.0728	512.2652	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	53.6465	65.7749	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	34.3839	44.0210	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	22.3238	22.1286	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	543.7566	482.9883	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	44.9134	55.2306	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	4.5614	4.5236	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	17.9908	17.4835	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	841.8166	949.0375	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	186.6486	165.5374	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	534.9587	479.4124	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	467.3459	537.5158	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	71.2829	84.4902	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	50.9421	60.3284	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	463.6916	415.1161	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	159.8963	188.5013	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	271.0338	243.1056	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	310.5137	276.7900	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	349.6622	402.3213	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	329.0903	379.0375	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	212.5654	191.2038	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	560.3540	506.7997	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	494.4076	563.8053	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	88.4608	102.5459	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	65.8694	76.4686	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	237.4290	215.1024	0.0000	0.0000	0	0.00

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Jan 2019	DAUS	14.38 Call	500	516.6347	584.6456	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	257.7934	234.8296	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	536.6511	603.4850	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.00 Put	500	277.6193	253.6756	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.67 Call	500	555.0176	620.0347	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	296.9304	272.6019	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	1100.6169	1205.4152	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	572.2746	636.1197	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	314.9969	290.3141	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	587.9576	650.6409	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	329.7719	305.0507	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	599.5233	661.6304	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	501.6856	466.7746	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	364.3642	406.3866	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	347.7362	326.1020	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	624.0143	680.0424	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	363.0810	345.6979	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	641.5152	689.3683	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	376.2609	360.4596	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	663.6619	703.8202	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	389.3887	378.9332	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	679.8430	711.9962	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	398.6919	392.3644	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	697.5472	723.2010	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	408.7053	406.6352	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	715.2570	733.8405	0.0000	0.0000	0	0.00		
			<u>429,527</u>					<u>0.00</u>	<u>0.00</u>	<u>19 223 832.00</u>	<u>0.00</u>
Total			611,047					0.00	0.00	29 522 593.00	125 323 288 377.60
Future											
Sep 2018	EUUS	Future	230	1.1764	1.1706	1.1784	1.1765	45	530,055.00		
			<u>230</u>					<u>45.00</u>	<u>530,055.00</u>	<u>729 309.00</u>	<u>8 268 748 617.00</u>
Total			230					45.00	530,055.00	729 309.00	8 268 748 617.00
Future											
Sep 2018	ZAAD	Future	12,355	10.1283	10.2202	10.1958	10.1958	250	2,548,950.00		
Dec 2018	ZAAD	Future	11,412	10.2490	10.3439	0.0000	0.0000	0	0.00		
Jun 2019	ZAAD	Future	4,929	10.5105	10.6101	0.0000	0.0000	0	0.00		
			<u>28,696</u>					<u>250.00</u>	<u>2,548,950.00</u>	<u>3 683 748.00</u>	<u>31 990 969 049.30</u>
Total			28,696					250.00	2,548,950.00	3 716 125.00	31 990 969 049.30

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Dec 2018	ZACA	Future	500	10.5910	10.6743	0.0000	0.0000	0	0.00		
			500					0.00	0.00	136 153.00	1 339 439 627.10
		Total	500					0.00	0.00	136 153.00	1 339 439 627.10
Future											
Sep 2018	ZAEU	Future	138,188	16.1281	16.2081	16.2650	16.1111	2,683	43,227,333.40		
Dec 2018	ZAEU	Future	21,526	16.4263	16.5081	16.5825	16.4172	2,386	39,424,098.10		
Mar 2019	ZAEU	Future	4,808	16.7537	16.8400	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	17.0682	17.1585	0.0000	0.0000	0	0.00		
			169,778					5,069.00	82,651,431.50	15 038 065.00	214 773 532 465.00
Option											
Sep 2018	ZAEU	13.50 Put	29,734	4.3433	4.8040	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	86,688	9.5396	10.2625	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	286.5505	266.4100	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	223.6442	254.9335	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	8.7834	11.5592	0.0000	0.0000	0	0.00		
			319,804					0.00	0.00	7 964 516.00	0.00
		Total	489,582					5,069.00	82,651,431.50	23 002 581.00	214 773 532 465.00
Future											
Sep 2018	ZAFR	Future	1,215	13.9046	14.0222	14.0060	13.8606	130	1,816,744.00		
Dec 2018	ZAFR	Future	45	14.1733	14.2957	14.2907	14.1488	45	638,146.50		
			1,260					175.00	2,454,890.50	613 158.00	6 558 908 863.80
		Total	1,260					175.00	2,454,890.50	613 158.00	6 558 908 863.80
Future											
Sep 2018	ZAGB	Future	226,726	18.1819	18.3548	18.3273	18.3036	1,500	27,478,450.00		
Dec 2018	ZAGB	Future	7,437	18.4594	18.6386	18.6735	18.6201	1,000	18,646,800.00		
Mar 2019	ZAGB	Future	4,932	18.7618	18.9466	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,543	19.0484	19.2395	0.0000	0.0000	0	0.00		
			245,638					2,500.00	46,125,250.00	11 909 667.00	200 503 262 421.50
		Total	245,638					2,500.00	46,125,250.00	13 683 780.00	200 503 262 421.50
Future											
Sep 2018	ZAJY	Future	115	0.1246	0.1259	0.0000	0.0000	0	0.00		
			115					0.00	0.00	993 919.00	11 089 418 491.40
		Total	115					0.00	0.00	993 919.00	11 089 418 491.40
Future											
Sep 2018	ZAKS	Future	562	0.1344	0.1361	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,093	0.1329	0.1346	0.0000	0.0000	0	0.00		

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			1,655					0.00	0.00	35 358.00	476 333 960.00
		Total	1,655					0.00	0.00	35 358.00	476 333 960.00
Future											
	Sep 2018 ZATR	Future	12,775	2.8893	2.8716	0.0000	0.0000	0	0.00		
			12,775					0.00	0.00	292 754.00	1 018 368 407.50
		Total	12,775					0.00	0.00	292 754.00	1 018 368 407.50
Future											
	Sep 2018 ZAUM	Future	345	13.7103	13.8462	13.6936	13.6903	10	13,691,950.00		
	Dec 2018 ZAUM	Future	15	13.8651	14.0045	0.0000	0.0000	0	0.00		
			360					10.00	13,691,950.00	151 981.00	175 329 028 990.00
		Total	360					10.00	13,691,950.00	156 504.00	175 329 028 990.00
Future											
	Sep 2018 ZAUS	Future	556,031	13.7103	13.8462	13.8456	13.6601	79,277	1,092,635,096.20		
	Dec 2018 ZAUS	Future	73,073	13.8651	14.0045	13.9000	13.8435	1,011	13,996,294.00		
	Mar 2019 ZAUS	Future	5,932	14.0290	14.1719	0.0000	0.0000	0	0.00		
	Jun 2019 ZAUS	Future	14,910	14.1840	14.3302	0.0000	0.0000	0	0.00		
			649,946					80,288.00	1,106,631,390.20	178 392 735.00	2 111 854 162 609.60
Option											
	Sep 2018 ZAUS	11.48 Put	5,200	4.2071	4.3557	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.50 Put	45,000	4.3256	4.4758	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.60 Put	2,000	4.9761	5.1323	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.75 Put	93,314	6.1635	6.3215	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.85 Put	48,200	7.1287	7.2800	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	11.90 Put	3,000	7.6736	7.8180	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.00 Put	13,300	8.9094	9.0304	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.25 Call	500	1473.4025	1609.2771	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.25 Put	40,000	13.1025	13.0771	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.30 Put	100	14.1861	14.1083	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.38 Put	60,000	17.0943	15.9513	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.50 Call	4,600	1235.9982	1367.1874	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.50 Put	34,000	25.6982	20.9874	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.58 Put	8,000	33.1190	27.0390	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.61 Put	13,231	36.2964	29.6357	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.65 Put	1,550	40.8933	33.3983	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.77 Call	5,200	997.6793	1123.1552	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.80 Call	50	972.4839	1097.1236	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	12.85 Put	3,750	70.8450	58.0975	0.0000	0.0000	0	0.00		
	Sep 2018 ZAUS	13.00 Call	30,000	812.3997	930.3742	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	ZAUS	13.00 Put	10,000	102.0997	84.1742	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	670.0894	777.7364	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Put	4,000	159.7894	131.5364	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.22 Put	26,000	166.5097	137.2932	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	637.2245	742.4359	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	74,064	176.9245	146.2359	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	2,000	489.6597	581.7273	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Call	26,000	438.4142	524.9419	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.60 Put	4,000	328.1142	278.7419	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	414.4176	498.1479	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	571.0666	496.3419	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	92.0957	116.5056	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	29.7859	40.1653	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	27.5172	37.2353	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	24.5929	33.4416	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	20.8186	28.5146	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	21.8340	20.7828	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	26.2389	25.0291	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	33.5209	32.0476	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	39.3252	37.6348	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	40.5875	38.8488	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	46.0006	44.0538	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	53.6561	51.4029	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	57.8866	55.4589	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	70.2743	67.3163	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1450.8796	1584.6198	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	85.7796	80.1198	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	109.0957	97.4224	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	119.1668	106.3898	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	134.3465	119.9248	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	1064.5367	1182.7084	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	190,030	199.4367	178.2084	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	230.4764	206.1404	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	930.6335	1041.3461	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	273.1337	243.3244	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	899.8752	1007.7569	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	7,800	284.7752	253.2569	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	369.6726	329.4575	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	757.9620	855.1756	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	392.8620	350.6756	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	493.2351	443.0547	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	498.5653	447.9849	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 2018	ZAUS	13.78 Call	100	621.8032	707.8087	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	536.7032	483.3087	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	542.2642	488.4702	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	612.9572	698.1565	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	551.1714	629.3741	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	16,000	532.0907	607.8199	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	485.4852	556.1084	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	421.6640	484.7887	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	407.0977	468.4198	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	390.3054	449.5098	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	349.0414	402.7945	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	346.6281	400.0469	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	344.2327	397.3151	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	325.7016	376.1670	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	314.6719	363.6932	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	295.8353	342.3444	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	26,600	265.3549	307.6720	0.0000	0.0000	5,000	0.00
Dec 2018	ZAUS	15.01 Call	10,000	263.5698	305.6365	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	249.7669	289.8775	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	239.9515	278.6503	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	190.7777	224.0925	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.50 Call	1,000	188.1073	221.0184	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	163.5301	192.6196	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	16.00 Call	10,000	133.0010	157.1346	0.0000	0.0000	10,000	0.00
Mar 2019	ZAUS	10.33 Put	1,000	5.4253	6.0719	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	37.0237	35.2716	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	68.4180	63.6518	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	133.4201	121.9809	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	1019.9636	1123.2706	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	445.5655	405.6415	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	589.9346	540.3622	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	650.0424	596.7935	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	646.5647	721.6979	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	587.3276	656.8080	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	457.0233	512.5072	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	357.8517	402.0784	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	341.1657	384.9657	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	9.4881	11.3053	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	119.2926	103.5158	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	244.1786	219.4087	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	315.9239	291.7389	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	407.7040	377.6321	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	13.83 Put	25,000	680.1428	629.9709	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	13.88 Put	12,450	707.3504	655.7762	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.58 Call	1,000	740.5914	816.7106	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.82 Call	30,000	666.3182	736.1996	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.55 Call	25,000	490.0137	542.8831	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.62 Call	12,450	476.0236	527.7844	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.80 Call	1,000	440.5418	491.2345	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.92 Call	911	418.5734	467.1747	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	10.75 Put	1,000	18.8955	19.8961	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	12.50 Put	1,000	203.7114	187.1625	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	15.87 Call	1,000	596.4187	637.2785	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	246.3977	262.1554	0.0000	0.0000	0	0.00	
			<u>2,576,161</u>					<u>15,000.00</u>	<u>0.00</u>	<u>50 786 410.00</u>
	Total		<u>3,226,107</u>					<u>95,288.00</u>	<u>1,106,631,390.20</u>	<u>229 179 145.00</u>
										<u>2 111 854 162 609.60</u>

Grand Total	<u>4,628,032</u>							<u>103,337.00</u>	<u>1 254 633 917.20</u>	<u>312,643,813</u>	<u>2,946,297,295,943.02</u>
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