



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 30-July-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	315.8668	325.0461	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											
Jul 2018	DAEU	Future	33	15.4021	15.3483	0.0000	0.0000	0	0.00		
Sep 2018	DAEU	Future	34	15.5143	15.4637	0.0000	0.0000	0	0.00		
			<u>67</u>					<u>0.00</u>	<u>0.00</u>	<u>801 227.00</u>	<u>11 964 244 481.80</u>
		Total	67					0.00	0.00	1 758 014.00	11 964 244 481.80
Future											
Sep 2018	DAGB	Future	14	17.4611	17.4594	0.0000	0.0000	0	0.00		
			<u>14</u>					<u>0.00</u>	<u>0.00</u>	<u>53 769.00</u>	<u>882 198 966.30</u>
		Total	14					0.00	0.00	261 082.00	882 198 966.30
Future											
Jul 2018	DAUS	Future	1,762	13.1505	13.1698	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	55	13.1505	13.1716	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	420	13.1574	13.1785	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	13.1693	13.1906	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	4,144	13.1727	13.1940	0.0000	0.0000	42	554,085.00		
Aug 2018	DAUS	Future	600	13.1812	13.2025	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	3,299	13.1998	13.2214	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	13.2049	13.2266	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	5,532	13.2478	13.2696	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	13.2546	13.2765	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	13.2802	13.3020	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	13.2938	13.3156	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	13.3007	13.3224	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	3,608	13.3041	13.3259	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	55	13.3058	13.3275	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	13.3260	13.3478	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	420	13.3311	13.3529	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	13.3530	13.3749	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	3,363	13.3547	13.3766	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,078	13.4070	13.4290	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.4103	13.4324	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.4576	13.4797	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.4593	13.4814	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.4808	13.5032	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	13.5055	13.5283	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.5501	13.5735	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.5600	13.5835	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	13.6062	13.6304	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	13.6583	13.6823	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	Future	29,000	13.6634	13.6873	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	13.7105	13.7342	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	13.7626	13.7862	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	13.8209	13.8442	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	13.8755	13.8985	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	13.9283	13.9511	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	13.9866	14.0091	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.0431	14.0652	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.0959	14.1178	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.1523	14.1740	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.2088	14.2301	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.2580	14.2791	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.3199	14.3407	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.4219	14.4422	0.0000	0.0000	0	0.00		
			<u>153,313</u>					<u>42.00</u>	<u>554,085.00</u>	<u>10 487 923.00</u>	<u>127 867 841 912.90</u>
Option											
Jul 2018	DAUS	13.00 Put	500	8.0630	19.5084	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.50 Call	500	0.6738	7.3980	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	649.5214	631.3696	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	0.0000	0.0115	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	0.0000	0.0458	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	1.1516	1.6142	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	705.2921	687.2422	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	0.0484	0.0414	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.18 Put	350	170.9703	169.6900	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.22 Call	350	146.5692	165.5639	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.43 Put	106	336.3711	329.9160	0.0000	0.0000	0	0.00		

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Aug 2018	DAUS	13.55 Call	106	54.2765	66.6160	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.21 Put	50,000	217.1134	212.5836	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.23 Put	35,000	241.4327	235.6446	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.00 Put	500	143.0065	139.9221	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.65 Call	500	95.3497	105.4148	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	669.8367	656.5831	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	0.6454	0.7683	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	0.7395	0.8464	0.0000	0.0000	0	0.00
Sep 2018	DAUS	12.90 Put	100	124.5937	120.9649	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.09 Put	600	199.3144	194.1098	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.32 Call	600	215.5050	228.0454	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.45 Call	100	171.3371	182.4694	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Call	100	90.3442	98.0831	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.90 Call	600	74.8511	81.9098	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	324.9587	314.9875	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	207.0074	198.6736	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	155.4763	162.1606	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	703.3303	688.1103	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	4.0320	4.4328	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	2.6863	2.5415	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.51 Call	5,000	270.3617	279.6205	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	336.7399	327.7121	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	169.3495	176.0559	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	256.8650	249.9079	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	733.5528	720.2977	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	206.2602	214.0984	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	11.0278	11.9960	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	4.7883	5.1644	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	25.0166	25.3065	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	782.2489	768.6896	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	7.3868	8.0122	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	5.5920	5.5364	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	21.8427	20.8976	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	492.9106	505.5794	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	293.9598	285.8457	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	759.4466	745.9754	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	243.4260	250.5134	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	25.2049	25.6029	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	16.1830	15.9981	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	664.3725	651.5704	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	67.8553	70.1624	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	409.4150	399.8242	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	13.30 Put	1,000	461.4806	451.1541	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.66 Call	1,000	181.0593	186.0608	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.75 Call	1,000	168.6600	173.4261	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.00 Put	500	323.1910	314.2921	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	779.1676	765.5303	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	14.22 Call	500	276.7781	283.1875	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	39.9495	39.9067	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	26.4930	27.2773	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	12.66 Put	263	212.5886	205.9157	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	13.00 Put	500	350.0670	340.5921	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	14.38 Call	500	304.1226	309.9699	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	13.00 Put	500	372.8207	364.3490	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	14.52 Call	500	329.2357	335.6985	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	13.00 Put	500	394.8062	385.4982	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	14.67 Call	500	352.0718	358.9951	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	3,000	415.0335	405.7418	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	777.6861	790.7507	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	14.84 Call	500	373.3583	380.9853	0.0000	0.0000	0	0.00		
May 2019	DAUS	13.00 Put	500	433.1831	424.2404	0.0000	0.0000	0	0.00		
May 2019	DAUS	15.01 Call	500	392.5553	400.5861	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	13.00 Put	500	447.3939	440.5093	0.0000	0.0000	0	0.00		
Jun 2019	DAUS	15.17 Call	500	405.8170	415.2296	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.45 Put	39,250	671.2611	661.3274	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	16.44 Call	39,250	232.6396	238.5592	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	13.00 Put	500	464.4096	458.0220	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	15.34 Call	500	424.7340	433.9165	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	13.00 Put	500	481.9604	475.5527	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	15.52 Call	500	442.9816	451.6494	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	13.00 Put	500	497.5901	491.3264	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	15.68 Call	500	464.8837	473.2617	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	13.00 Put	500	513.3529	506.3897	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	15.87 Call	500	481.6147	489.7681	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	13.00 Put	500	526.0391	519.1757	0.0000	0.0000	0	0.00		
Nov 2019	DAUS	16.03 Call	500	500.0496	507.9158	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	13.00 Put	500	538.2436	531.4247	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	16.21 Call	500	518.5349	526.2633	0.0000	0.0000	0	0.00		
			<u>419,062</u>					<u>0.00</u>	<u>0.00</u>	<u>19 425 577.00</u>	<u>0.00</u>
		Total	572,375					42.00	554,085.00	29 913 500.00	127 867 841 912.90

Option

Aug 2018	DAYJ	8.07 Put	13,000	413.1919	496.6259	0.0000	0.0000	0	0.00
Aug 2018	DAYJ	8.27 Call	13,000	2198.8262	2170.4984	0.0000	0.0000	0	0.00

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Aug 2018	DAYJ	8.35 Call	20,000	1676.3907	1655.5651	0.0000	0.0000	0	0.00	
			46,000					0.00	0.00	40 000.00
		Total	46,000					0.00	0.00	40 000.00
Future										
Sep 2018	EUUS	Future	165	1.1752	1.1694	0.0000	0.0000	0	0.00	
			165					0.00	0.00	729 509.00
		Total	165					0.00	0.00	729 509.00
Future										
Sep 2018	GBUS	Future	8	1.3174	1.3152	0.0000	0.0000	0	0.00	
			8					0.00	0.00	167 347.00
		Total	8					0.00	0.00	167 347.00
Future										
Sep 2018	ZAAD	Future	12,322	9.8031	9.8174	0.0000	0.0000	0	0.00	
Dec 2018	ZAAD	Future	11,417	9.9199	9.9336	0.0000	0.0000	0	0.00	
Jun 2019	ZAAD	Future	4,929	10.1686	10.1835	0.0000	0.0000	0	0.00	
			28,668					0.00	0.00	3 685 079.00
		Total	28,668					0.00	0.00	3 717 456.00
Future										
Dec 2018	ZACA	Future	595	10.3155	10.2827	0.0000	0.0000	0	0.00	
			595					0.00	0.00	136 818.00
		Total	595					0.00	0.00	136 818.00
Future										
Sep 2018	ZADK	Future	245	2.0906	2.0829	0.0000	0.0000	0	0.00	
Dec 2018	ZADK	Future	15	2.1308	2.1221	0.0000	0.0000	0	0.00	
			260					0.00	0.00	11 835.00
		Total	260					0.00	0.00	11 835.00
Future										
Sep 2018	ZAEU	Future	132,595	15.5462	15.4950	15.5626	15.5286	871	13,541,857.00	
Dec 2018	ZAEU	Future	28,621	15.8324	15.7787	15.8602	15.8602	19	301,343.80	
Mar 2019	ZAEU	Future	4,808	16.1486	16.0957	0.0000	0.0000	0	0.00	
Jun 2019	ZAEU	Future	5,256	16.4517	16.3996	0.0000	0.0000	0	0.00	
			171,280					890.00	13,843,200.80	15 084 545.00
Option										
Sep 2018	ZAEU	13.50 Put	29,734	3.0067	3.7596	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	57,090	15.6694	19.1282	0.0000	0.0000	0	0.00	

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Sep 2018	ZAEU	15.85 Put	86,824	508.4457	549.4229	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	49.4005	48.5743	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	2.3413	2.5026	0.0000	0.0000	0	0.00	
			<u>290,206</u>					<i>0.00</i>	<i>0.00</i>	<i>8 023 712.00</i>
	Total		461,486					890.00	13,843,200.80	23 108 257.00 215 511 937 073.20
Future										
Sep 2018	ZAFR	Future	1,575	13.4306	13.3804	0.0000	0.0000	0	0.00	
Dec 2018	ZAFR	Future	400	13.6920	13.6378	0.0000	0.0000	0	0.00	
Jun 2019	ZAFR	Future	150	14.2545	14.2035	0.0000	0.0000	0	0.00	
			<u>2,125</u>					<i>0.00</i>	<i>0.00</i>	<i>614 653.00</i>
	Total		2,125					0.00	0.00	614 653.00 6 579 733 890.30
Future										
Sep 2018	ZAGB	Future	226,543	17.4278	17.4267	17.4100	17.4100	21	366,162.30	
Dec 2018	ZAGB	Future	11,544	17.6953	17.6930	17.7050	17.7050	2	35,410.00	
Mar 2019	ZAGB	Future	4,932	17.9855	17.9851	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	6,156	18.2591	18.2599	0.0000	0.0000	0	0.00	
Sep 2019	ZAGB	Future	895	18.5670	18.5680	0.0000	0.0000	0	0.00	
			<u>250,070</u>					<i>23.00</i>	<i>401,572.30</i>	<i>11 928 285.00</i>
	Total		250,070					23.00	401,572.30	13 702 398.00 200 839 360 987.10
Future										
Sep 2018	ZAJY	Future	115	0.1196	0.1198	0.0000	0.0000	0	0.00	
			<u>115</u>					<i>0.00</i>	<i>0.00</i>	<i>993 919.00</i>
	Total		115					0.00	0.00	993 919.00 11 089 418 491.40
Future										
Sep 2018	ZAKS	Future	562	0.1304	0.1309	0.0000	0.0000	0	0.00	
Jun 2019	ZAKS	Future	1,093	0.1268	0.1293	0.0000	0.0000	0	0.00	
			<u>1,655</u>					<i>0.00</i>	<i>0.00</i>	<i>35 358.00</i>
	Total		1,655					0.00	0.00	35 358.00 476 333 960.00
Future										
Sep 2018	ZATR	Future	1,500	2.6573	2.6795	0.0000	0.0000	65	172,562.00	
			<u>1,500</u>					<i>65.00</i>	<i>172,562.00</i>	<i>305 794.00</i>
	Total		1,500					65.00	172,562.00	305 794.00 1 053 284 652.00
Future										
Sep 2018	ZAUM	Future	345	13.2289	13.2507	0.0000	0.0000	20	26,500,000.00	
Dec 2018	ZAUM	Future	20	13.3783	13.4003	0.0000	0.0000	0	0.00	

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME	
Mar 2019	ZAUM	Future	5	13.5353	13.5584	0.0000	0.0000	0	0.00	
			370					20.00	26,500,000.00	
		Total	370					20.00	26,500,000.00	
									152 076.00	
									175 457 435 620.00	
									156 599.00	
									175 457 435 620.00	
Future										
Sep 2018	ZAUS	Future	439,653	13.2289	13.2507	13.3038	13.2200	21,406	283,960,327.70	
Dec 2018	ZAUS	Future	66,738	13.3783	13.4003	13.4448	13.3850	4	53,659.60	
Mar 2019	ZAUS	Future	7,820	13.5353	13.5584	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	Future	15,910	13.6819	13.7057	0.0000	0.0000	0	0.00	
			530,121					21,410.00	284,013,987.30	
									179 333 815.00	
									2 124 536 844 823.80	
Option										
Sep 2018	ZAUS	11.48 Put	5,200	2.3862	2.4046	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.50 Put	45,000	2.4837	2.5052	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.60 Put	2,000	3.0418	3.0811	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.75 Put	93,314	4.1534	4.2306	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.85 Put	48,200	5.1396	5.2514	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.90 Put	3,000	5.7270	5.8594	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.00 Put	13,300	7.8923	8.0059	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.25 Call	500	999.6886	1021.0196	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.25 Put	40,000	20.7886	20.3196	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.30 Put	100	24.8028	24.1143	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.38 Put	60,000	32.5290	31.3979	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.50 Call	4,600	776.5470	796.3134	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.50 Put	44,000	47.6470	45.6134	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.58 Put	8,000	60.4757	57.6680	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.61 Put	13,231	66.0744	62.9759	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.65 Put	1,550	74.5358	71.1202	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.77 Call	5,200	563.4460	580.7770	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.80 Call	50	542.0905	559.1372	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.80 Put	500	113.1905	108.4372	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.85 Put	750	128.6585	123.4136	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.00 Call	7,500	412.1953	427.1598	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.00 Put	72,000	183.2953	176.4598	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.10 Put	2,500	226.7489	218.7879	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.20 Call	4,000	304.7457	317.4292	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.20 Put	4,000	275.8457	266.7292	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.22 Put	26,000	286.3339	276.9855	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.25 Call	1,250	281.3768	293.4828	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.25 Put	74,064	302.4768	292.7828	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.30 Call	500	260.8378	272.4478	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.50 Call	2,000	191.2494	200.9799	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.60 Call	26,000	163.2114	172.0755	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	13.60 Put	4,000	534.3114	521.3755	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	150.6783	159.1298	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Call	60,000	85.2626	91.2298	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	856.3626	840.5298	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	61.1112	65.9582	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	25.8824	28.5025	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	14.1335	15.5678	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	2.0828	2.2324	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	2.0426	2.1831	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	1.9921	2.1208	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	1.9304	2.0434	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	30.0969	29.0788	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	35.9771	34.5526	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	45.7202	43.5956	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	53.5110	50.8160	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	55.2092	52.3880	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	64.4670	61.2493	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	79.4674	75.8351	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	87.8783	84.0343	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	112.8116	108.3981	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1018.3314	1035.3761	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	140.0314	135.0761	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	174.4103	168.8567	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	189.0489	183.2650	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	210.9083	204.7980	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	7,000	686.9582	700.9765	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	175,030	308.6582	300.6765	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	353.9909	345.2443	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	581.1205	593.6101	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	412.9996	403.3351	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	556.8246	568.9330	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	27,800	428.5246	418.6330	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Put	4,080	540.4662	529.1075	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	449.3816	459.6825	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	571.0816	559.3825	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	700.9343	687.9294	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	707.7232	694.6541	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	354.2717	362.7751	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Put	100	755.9717	742.4751	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	762.9665	749.4114	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	348.2898	356.6734	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	306.5361	314.0692	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.00 Call	16,130	293.7800	301.0444	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.13 Call	20,000	263.1198	269.8066	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	222.3408	228.3055	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.38 Call	30	213.2358	219.0349	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	202.8329	208.4400	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	177.6966	182.8257	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	176.2426	181.3432	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	174.8042	179.8764	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	163.7346	168.5917	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	157.2099	161.9352	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	145.4220	149.8620	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	20,100	126.7019	130.6809	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	125.6209	129.5700	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	117.3102	121.0508	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	111.4652	115.0525	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	84.4574	87.3197	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	70.4724	72.9407	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	6.3077	6.8523	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	65.5772	64.5033	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	110.8996	107.2537	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	201.4523	195.2535	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	697.4429	709.6153	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	617.7670	606.7868	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	793.3257	780.7831	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	865.2794	852.1665	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	412.8056	420.7610	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	371.0791	378.3711	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	280.5995	286.4275	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	207.8594	212.6396	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	196.8901	201.5053	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	10.2580	11.6303	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	201.5025	197.0161	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	344.9429	338.0225	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	431.8195	424.0370	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	552.7826	543.8707	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	885.7340	874.3224	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	12,450	917.3546	905.7235	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	508.2886	517.7302	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	453.5393	462.2120	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	319.0811	326.1666	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.62 Call	12,450	308.5208	315.4902	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.80 Call	1,000	283.1633	289.8503	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	15.92 Call	911	267.6006	274.1060	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	10.75 Put	1,000	19.3442	16.1060	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	12.50 Put	1,000	312.0422	306.7027	0.0000	0.0000	0	0.00
Sep 2019	ZAUS	15.87 Call	1,000	410.4864	418.4902	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	142.8227	147.3177	0.0000	0.0000	0	0.00
			<u>2,737,291</u>					<i>0.00</i>	<i>0.00</i>
	Total		3,267,412					21,410.00	284,013,987.30
									<i>51 241 032.00</i>
									<i>0.00</i>
									<i>230 574 847.00</i>
									<i>2 124 536 844 823.80</i>

Grand Total	4,657,885	22,450.00	325 485 407.40	315,423,664	2,962,981,457,945.12
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