



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 01-December-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Jan 2018	DAAD	Future	5	10.4677	10.3664	0.0000	0.0000	0	0.00		
			5					0.00	0.00	77,014.00	729,744,050.30
		Total	5					0.00	0.00	146,014.00	729,744,050.30
Future											
Dec 2017	DAEU	Future	3	16.2885	16.1781	0.0000	0.0000	0	0.00		
Dec 2017	DAEU	Future	800	16.3309	16.2499	0.0000	0.0000	0	0.00		
Jan 2018	DAEU	Future	30	16.4666	16.3841	0.0000	0.0000	0	0.00		
Mar 2018	DAEU	Future	63	16.6225	16.5393	0.0000	0.0000	0	0.00		
Mar 2018	DAEU	Future	3	16.6746	16.5915	0.0000	0.0000	0	0.00		
			899					0.00	0.00	248,727.00	3,589,786,759.20
Option											
Jan 2018	DAEU	15.80 Put	193,000	196.3348	225.0269	0.0000	0.0000	0	0.00		
Feb 2018	DAEU	16.41 Put	114,748	474.2668	520.8290	0.0000	0.0000	0	0.00		
			307,748					0.00	0.00	632,539.00	0.00
		Total	308,647					0.00	0.00	881,266.00	3,589,786,759.20
Future											
Dec 2017	DAGB	Future	10	18.4787	18.3734	0.0000	0.0000	0	0.00		
Jan 2018	DAGB	Future	10	18.6554	18.5488	0.0000	0.0000	0	0.00		
Mar 2018	DAGB	Future	17	18.7577	18.6507	0.0000	0.0000	0	0.00		
Mar 2018	DAGB	Future	38	18.8086	18.7014	0.0000	0.0000	0	0.00		
			75					0.00	0.00	53,555.00	878,571,162.50
		Total	75					0.00	0.00	260,868.00	878,571,162.50
Future											
Dec 2017	DAUS	Future	241	13.7186	13.6093	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	1,781	13.7209	13.6115	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	300	13.7298	13.6203	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	221	13.7342	13.6247	0.0000	0.0000	0	0.00		

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Dec 2017	DAUS	Future	916	13.7476	13.6379	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	500	13.7521	13.6423	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	677	13.7655	13.6555	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	200	13.7766	13.6666	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	500	13.7788	13.6688	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	241	13.7833	13.6732	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	500	13.7922	13.6821	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	241	13.7966	13.6865	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	70	13.8122	13.7020	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	1,930	13.8255	13.7153	0.0000	0.0000	0	0.00
Feb 2018	DAUS	Future	70	13.8542	13.7438	0.0000	0.0000	0	0.00
Feb 2018	DAUS	Future	10	13.8586	13.7482	0.0000	0.0000	0	0.00
Feb 2018	DAUS	Future	500	13.8871	13.7765	0.0000	0.0000	0	0.00
Mar 2018	DAUS	Future	3,716	13.9202	13.8094	0.0000	0.0000	0	0.00
Mar 2018	DAUS	Future	699	13.9510	13.8402	0.0000	0.0000	0	0.00
Apr 2018	DAUS	Future	70	14.0084	13.8974	0.0000	0.0000	0	0.00
Apr 2018	DAUS	Future	110	14.0216	13.9107	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	70	14.0459	13.9349	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	181	14.0900	13.9789	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	445	14.1539	14.0422	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	14.1605	14.0487	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	14.2001	14.0880	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	14.2111	14.0989	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,853	14.2243	14.1119	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	14.2529	14.1403	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	1,336	14.2925	14.1795	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	1,295	14.3551	14.2414	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	14.4157	14.3012	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	14.4246	14.3101	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	14.4583	14.3433	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	14.6765	14.5581	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	16.0414	15.9078	0.0000	0.0000	0	0.00
			<u>105,148</u>					<u>0.00</u>	<u>0.00</u>
									<u>6,916,293.00</u>
									<u>83,860,440,499.40</u>
Option									
Dec 2017	DAUS	14.47 Call	30,000	0.7255	1.2969	0.0000	0.0000	406	0.00
Dec 2017	DAUS	14.30 Call	100	5.7659	5.0055	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.78 Call	5,000	149.0308	123.8051	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.50 Put	60	142.6416	201.2046	0.0000	0.0000	0	0.00
Dec 2017	DAUS	18.02 Call	60	1.5301	1.3506	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.50 Call	150	88.9227	81.0495	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.80 Call	200	51.2797	47.7099	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.20 Put	2,000	124.8775	161.8303	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>
Jan 2018	DAUS	14.76 Call	1,000	89.9024	80.3843	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.88 Call	1,000	75.2216	67.4069	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.12 Call	50,000	245.9348	0.0000	0.0000	0.0000	50,000	0.00
Jan 2018	DAUS	13.90 Put	20,000	441.0964	513.6386	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.75 Put	18,000	359.6572	423.9887	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	107,000	175.5794	212.8027	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.27 Put	154,000	181.8664	219.9757	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.30 Put	40,904	191.5752	231.0247	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.40 Put	168,000	226.4117	270.3926	0.0000	0.0000	0	0.00
Feb 2018	DAUS	12.57 Put	242	40.9678	55.4948	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.04 Put	234	119.8735	148.2349	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.15 Put	3,496	148.1049	180.9068	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.22 Call	242	86.8585	75.1179	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.52 Call	2,723	57.9358	49.3786	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.79 Call	234	39.8240	33.4316	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.88 Call	773	35.0789	29.2873	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.20 Put	35,000	167.7243	203.4680	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.80 Put	35,000	413.7713	476.8134	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.16 Put	1,880	159.1068	193.5673	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.86 Put	1,880	449.3851	516.1391	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.05 Call	1,880	121.7839	109.5372	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.90 Put	20,000	476.3120	544.7054	0.0000	0.0000	0	0.00
Feb 2018	DAUS	14.20 Put	20,000	670.1760	749.1349	0.0000	0.0000	0	0.00
Feb 2018	DAUS	14.18 Put	90,000	667.1030	745.3398	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.40 Put	50,000	263.7586	0.0000	0.0000	0.0000	50,000	0.00
Mar 2018	DAUS	13.50 Put	100,000	303.4705	354.6092	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.40 Put	100,000	265.2464	312.3367	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.00 Put	1,000	1293.2383	1385.5283	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.81 Call	2,000	172.1577	161.4110	0.0000	0.0000	0	0.00
Apr 2018	DAUS	13.80 Put	1,000	499.1222	561.3304	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.23 Call	500	269.5591	253.5524	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.66 Call	500	200.3438	187.8914	0.0000	0.0000	0	0.00
May 2018	DAUS	12.74 Put	1,880	135.9888	161.9498	0.0000	0.0000	0	0.00
May 2018	DAUS	13.86 Put	1,880	536.5286	600.6300	0.0000	0.0000	0	0.00
May 2018	DAUS	15.63 Call	1,880	221.6842	208.1437	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Put	11,000	140.9199	167.3590	0.0000	0.0000	0	0.00
May 2018	DAUS	14.50 Put	11,000	927.6100	1009.2500	0.0000	0.0000	0	0.00
May 2018	DAUS	15.76 Call	11,000	211.4981	198.8922	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	520.9236	582.7547	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	297.6782	281.7740	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	223.6306	211.2189	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	542.5825	602.5056	0.0000	0.0000	0	0.00

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Jun 2018	DAUS	15.62 Call	500	323.0592	305.6195	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	16.10 Call	500	246.2919	233.1609	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.19 Put	1,500	767.3505	836.1459	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.45 Put	1,500	925.7777	1000.4585	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.72 Call	1,500	353.2305	334.5424	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	314.5957	298.0325	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	561.9261	620.0042	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	348.3148	330.0297	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	269.8933	255.8765	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	107.7655	124.9188	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	595.3564	654.7368	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	302.1974	286.1245	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	578.6816	635.0968	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	366.4125	347.1793	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	287.4204	272.4759	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	591.6609	646.8305	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	382.5214	363.2468	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	301.6466	286.4897	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	605.0082	658.9078	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	402.9882	383.4429	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	323.7914	308.3117	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.90 Put	1,880	52.4895	67.2890	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.86 Put	1,880	635.0434	690.1384	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.81 Call	1,880	359.0528	341.7903	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	615.4679	668.1372	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	416.5105	396.4942	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	332.3915	316.5949	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	630.7058	682.2672	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	441.4810	421.3856	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	356.8508	342.3510	0.0000	0.0000	0	0.00		
			<u>1,137,978</u>					<u>100,406.00</u>	<u>0.00</u>	<u>15,106,526.00</u>	<u>0.00</u>
	Total		1,243,126					100,406.00	0.00	22,022,819.00	83,860,440,499.40
Future											
Dec 2017	EUUS	Future	30	1.1873	1.1909	0.0000	0.0000	0	0.00		
			<u>30</u>					<u>0.00</u>	<u>0.00</u>	<u>649,050.00</u>	<u>7,292,611,135.00</u>
	Total		30					0.00	0.00	649,050.00	7,292,611,135.00
Future											
Dec 2017	ZAAD	Future	15,928	10.4216	10.3210	10.4097	10.3962	240	2,497,113.00		
Mar 2018	ZAAD	Future	656	10.5702	10.4679	0.0000	0.0000	0	0.00		
Jun 2018	ZAAD	Future	5,118	10.7205	10.6172	0.0000	0.0000	0	0.00		

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Dec 2018	ZAAD	Future	10,812	11.0226	10.9151	0.0000	0.0000	0	0.00	
			<u>32,514</u>					<u>240.00</u>	<u>2,497,113.00</u>	
		Total	32,514					240.00	2,497,113.00	
									3,489,846.00	
									29,777,197,188.10	
Future										
Dec 2017	ZACA	Future	1,050	10.7723	10.5967	0.0000	0.0000	0	0.00	
Mar 2018	ZACA	Future	100	10.9436	10.7658	0.0000	0.0000	0	0.00	
			<u>1,150</u>					<u>0.00</u>	<u>0.00</u>	
		Total	1,150					0.00	0.00	
									122,503.00	
									1,204,183,527.10	
Future										
Dec 2017	ZADK	Future	700	2.1954	2.1842	2.1996	2.1996	100	2,199,600.00	
			<u>700</u>					<u>100.00</u>	<u>2,199,600.00</u>	
		Total	700					100.00	2,199,600.00	
									10,370.00	
									223,502,509.00	
Future										
Dec 2017	ZAEU	Future	110,495	16.2990	16.2174	16.4393	16.3050	324	5,299,935.10	
Mar 2018	ZAEU	Future	43,992	16.6374	16.5542	16.7115	16.6435	340	5,676,799.30	
Jun 2018	ZAEU	Future	796	16.9765	16.8925	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	Future	4,892	17.3264	17.2394	17.3083	17.3083	26	449,790.90	
Dec 2018	ZAEU	Future	1,928	17.6718	17.5814	0.0000	0.0000	0	0.00	
			<u>162,103</u>					<u>690.00</u>	<u>11,426,525.30</u>	
									12,866,247.00	
									181,512,653,160.80	
Option										
Dec 2017	ZAEU	14.00 Put	18,000	0.5733	0.1338	0.0000	0.0000	0	0.00	
Dec 2017	ZAEU	16.39 Call	18,000	184.2278	168.4076	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	15.05 Put	5,648	85.3779	98.6417	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	15.10 Put	19,510	92.5274	106.6132	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	16.39 Put	174,600	481.0283	524.8670	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	16.50 Call	643	672.7512	635.9477	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	17.00 Call	620	466.3995	441.7613	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.75 Put	54,507	34.7110	36.7831	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.97 Put	7,000	44.8819	47.7433	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.25 Put	54,507	170.7888	185.5029	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.44 Put	7,000	547.0759	584.8471	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	7,000	354.0006	338.1746	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	54,507	133.6716	126.5372	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	41,516	67.5486	72.0456	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.00 Put	41,516	399.2769	425.0936	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	21.63 Call	41,516	216.9241	209.2407	0.0000	0.0000	0	0.00	
			<u>546,090</u>					<u>0.00</u>	<u>0.00</u>	
		Total	708,193					690.00	11,426,525.30	
									18,869,945.00	
									181,512,653,160.80	

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Future											
Dec 2017	ZAFR	Future	1,215	13.9339	13.8528	0.0000	0.0000	0	0.00		
			<u>1,215</u>					<u>0.00</u>	<u>0.00</u>	<u>599,303.00</u>	<u>6,374,315,376.60</u>
		Total	1,215					0.00	0.00	599,303.00	6,374,315,376.60
Future											
Dec 2017	ZAGB	Future	212,017	18.4892	18.3840	18.6341	18.4985	1,150	21,367,492.50		
Mar 2018	ZAGB	Future	13,065	18.8232	18.7160	18.9003	18.9003	250	4,725,075.00		
Jun 2018	ZAGB	Future	4,422	19.1538	19.0455	0.0000	0.0000	0	0.00		
Sep 2018	ZAGB	Future	3,576	19.4883	19.3764	19.4728	19.4728	22	428,187.10		
			<u>233,080</u>					<u>1,422.00</u>	<u>26,520,754.60</u>	<u>9,273,662.00</u>	<u>154,502,310,647.50</u>
		Total						1,422.00	26,520,754.60	11,045,175.00	154,502,310,647.50
Option											
Dec 2017	ZAGB	18.20 Call	400	465.6189	415.2053	0.0000	0.0000	0	0.00		
Dec 2017	ZAGB	19.80 Call	800	32.5095	30.4160	0.0000	0.0000	0	0.00		
Mar 2018	ZAGB	17.00 Put	500	130.5282	149.9204	0.0000	0.0000	0	0.00		
Mar 2018	ZAGB	19.00 Call	1,500	663.7884	623.2067	0.0000	0.0000	0	0.00		
Mar 2018	ZAGB	20.14 Call	500	321.6893	301.2057	0.0000	0.0000	0	0.00		
			<u>3,700</u>					<u>0.00</u>	<u>0.00</u>	<u>1,771,513.00</u>	<u>0.00</u>
		Total	236,780					1,422.00	26,520,754.60	11,045,175.00	154,502,310,647.50
Future											
Dec 2017	ZAJY	Future	195	0.1219	0.1217	0.0000	0.0000	0	0.00		
			<u>195</u>					<u>0.00</u>	<u>0.00</u>	<u>952,980.00</u>	<u>10,619,392,867.80</u>
		Total	195					0.00	0.00	952,980.00	10,619,392,867.80
Future											
Jun 2018	ZAKS	Future	1,145	0.1322	0.1306	0.0000	0.0000	0	0.00		
Sep 2018	ZAKS	Future	562	0.1325	0.1308	0.0000	0.0000	0	0.00		
			<u>1,707</u>					<u>0.00</u>	<u>0.00</u>	<u>31,923.00</u>	<u>432,652,210.00</u>
		Total	1,707					0.00	0.00	31,923.00	432,652,210.00
Future											
Dec 2017	ZATR	Future	4,775	3.4805	3.4569	0.0000	0.0000	0	0.00		
Mar 2018	ZATR	Future	433	3.4292	3.4055	0.0000	0.0000	0	0.00		
			<u>5,208</u>					<u>0.00</u>	<u>0.00</u>	<u>233,314.00</u>	<u>843,471,050.50</u>
		Total	5,208					0.00	0.00	233,314.00	843,471,050.50
Future											
Dec 2017	ZAUM	Future	606	13.7275	13.6181	13.7476	13.7476	2	2,749,520.00		
Mar 2018	ZAUM	Future	138	13.9290	13.8182	0.0000	0.0000	0	0.00		
Jun 2018	ZAUM	Future	83	14.1296	14.0182	0.0000	0.0000	0	0.00		

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
			827					2.00	2,749,520.00	145,037.00	166,634,330,210.00
	Total		827					2.00	2,749,520.00	149,560.00	166,634,330,210.00
Future											
Dec 2017	ZAUS	Future	943,965	13.7275	13.6181	13.8304	13.6913	38,598	530,324,996.50		
Mar 2018	ZAUS	Future	219,001	13.9290	13.8182	13.9720	13.9074	7,936	110,498,039.30		
Jun 2018	ZAUS	Future	121,403	14.1296	14.0182	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	Future	3,287	14.3305	14.2170	0.0000	0.0000	0	0.00		
			<u>1,287,656</u>					<u>46,534.00</u>	<u>640,823,035.80</u>	<u>159,547,944.00</u>	<u>1,872,384,592,420.20</u>
Option											
Dec 2017	ZAUS	11.75 Put	1,000	0.5452	0.8724	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.00 Put	20,141	1.2599	2.0192	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.16 Put	550	2.1367	3.4153	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.20 Put	4,000	2.4357	3.8889	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.21 Put	18,000	2.5166	4.0168	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.40 Put	114,600	4.3218	5.6884	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.50 Put	16,416	5.1586	6.6555	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.56 Put	7,100	5.7590	7.3464	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.65 Put	1,819	6.8346	8.5808	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.75 Put	10,000	8.3434	10.3106	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.76 Put	550	8.5164	10.5090	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.00 Put	11,000	14.4273	23.6410	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.10 Put	41,000	23.1114	37.8662	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.18 Put	16,000	32.7698	53.2059	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.20 Call	7,000	563.1260	475.7542	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.20 Put	6,728	35.6260	57.6542	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.21 Put	5,000	37.1262	59.9761	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.22 Put	7,100	38.6757	62.3627	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.25 Call	16,141	521.1295	438.0236	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.35 Put	52,000	63.7460	99.6743	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.40 Put	114,600	76.0947	117.2903	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.50 Call	11,016	333.3958	276.3000	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.60 Call	4,000	270.5434	224.8271	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.64 Put	4,400	160.0648	228.6521	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.76 Call	3,750	188.4348	159.3539	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.76 Put	3,000	220.9348	301.2539	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.80 Put	550	244.4625	327.5992	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.90 Put	2,600	308.3638	397.7207	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.93 Call	7,820	126.3647	107.9592	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.00 Call	19,000	106.3851	91.4132	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.00 Put	34,000	378.8851	473.3132	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	14.10 Call	100	82.6549	71.7021	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	14.27 Put	40,000	595.5357	698.8014	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.40 Call	1,000	37.4161	33.8497	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Call	8,000	28.9328	26.3232	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Put	2,055	801.4328	908.2232	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.63 Call	10,000	20.7274	18.9611	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.90 Call	1,500	10.4654	9.6095	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	4,580	8.1667	7.6488	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	6.3453	6.1288	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.50 Call	25,457	2.8859	2.9636	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.60 Call	10,000	2.3952	2.4965	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	16.00 Call	117,200	1.2099	1.3325	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.13 Call	18,000	0.4149	0.5956	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	0.3950	0.5760	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	0.1722	0.2269	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	225,000	33.8028	39.2364	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.36 Put	20,880	53.9473	63.8299	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	56.8044	67.3235	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.50 Put	26,000	64.6054	81.5444	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.57 Put	3,000	74.0955	92.7978	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.82 Put	10,323	116.8354	142.5260	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.94 Put	5,000	142.7801	172.1845	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	94,964	157.1915	188.5258	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.22 Put	15,000	219.0509	259.5925	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	2,478	228.9818	270.6906	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	275.3317	322.1387	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	7,500	282.9435	330.5388	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Call	40,000	751.9385	692.6691	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Put	17,750	322.9385	374.4691	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.60 Put	3,000	366.1646	421.5992	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.70 Call	25,000	641.5993	590.0841	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.74 Put	20,880	432.0646	492.8691	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.76 Call	4,000	610.9868	561.7428	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.84 Put	1,000	482.9310	548.1058	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.89 Call	1,000	548.5259	505.5330	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.89 Put	1,000	509.5259	577.3330	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.91 Put	7,000	520.5647	589.2265	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.93 Call	100	530.9121	489.4387	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.93 Put	10,323	531.9121	601.2387	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.95 Put	1,000	543.3804	613.3656	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.98 Put	200	560.8073	631.7674	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.02 Call	55	493.4573	0.0000	0.0000	0.0000	55	0.00
Mar 2018	ZAUS	14.05 Put	500	602.5016	675.6784	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 2018	ZAUS	14.07 Call	100	473.6752	436.6684	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.16 Put	750	670.8527	747.3429	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.18 Put	41,000	683.6403	760.7116	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Call	36	425.5359	392.3785	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Put	65,000	696.5359	774.1785	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.22 Put	2,000	709.5384	787.7482	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.25 Call	4,167	408.2403	376.4862	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.44 Call	10,000	348.2981	321.4728	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.45 Call	17,000	345.3849	318.8008	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.49 Put	80,000	894.9620	980.1283	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Call	490	331.1631	305.7648	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Put	400	902.1631	987.5648	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.52 Put	850	916.6325	1002.5604	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.57 Call	100	312.1938	288.6050	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.60 Call	100	304.3873	281.5491	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.75 Call	20,880	268.7538	248.7792	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.79 Call	100	259.9788	240.7110	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.79 Put	100	1120.9788	1212.5110	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.86 Call	15,000	245.3204	227.2318	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.90 Call	5,000	237.3257	219.8811	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	18,718	235.3691	218.0815	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.95 Call	3,000	227.7069	211.0363	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.00 Call	6,126	218.4896	202.5578	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	199.5492	185.1376	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.26 Call	2,500	176.4517	163.3928	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	148.7007	137.5777	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	65,000	143.6464	132.9321	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.57 Call	6,000	135.2194	125.1876	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.69 Call	750	121.9287	112.9708	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.00 Call	3,276	93.4903	86.8086	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.16 Call	225,000	81.6187	75.8748	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	750	14.0558	14.7003	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	66	26.1507	30.3028	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	137,000	58.6285	68.2375	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	104,895	84.2937	97.9900	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	12,603	103.5522	120.1829	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	163.1284	190.2917	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	214.4903	247.3988	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	15,158	225.3926	259.4366	0.0000	0.0000	1,000	0.00
Jun 2018	ZAUS	13.05 Put	1,250	239.5385	275.0167	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	275.8723	314.8557	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.22 Put	15,000	292.0222	332.4862	0.0000	0.0000	0	0.00

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Jun 2018	ZAUS	13.30 Put	2,050	319.1142	361.9678	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	379.3793	429.5323	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	387.6638	438.4418	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	457.6549	513.3829	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	104,895	509.5624	568.6214	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	534.1611	594.7075	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	539.1529	599.9947	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	549.2145	610.6451	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	554.2843	616.0082	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	585.2040	648.6721	0.0000	0.0000	1,000	0.00
Jun 2018	ZAUS	14.00 Put	6,130	638.6667	704.9799	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	694.4860	764.0678	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	783.5334	856.7863	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	505.4825	477.1834	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	476.5496	450.5867	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	401.1773	379.8984	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	394.3802	373.5219	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	334.8314	317.2853	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	316.3347	299.0576	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	271.3661	256.6223	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	218.7701	206.9637	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	192.8365	182.4675	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	189.5718	179.3804	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	181.1600	171.4314	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	178.1141	168.5505	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	165.5574	156.6806	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	104,895	142.7740	136.2468	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	137.5884	131.3029	0.0000	0.0000	1,000	0.00
Jun 2018	ZAUS	17.21 Call	500	125.1345	119.4251	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.28 Call	5,630	121.3265	115.7891	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	116.1584	110.8542	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.00 Put	750	16.8760	17.1332	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	5,300	174.0364	201.6479	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	183.8883	212.3709	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	238.5048	269.7945	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.36 Put	2,179	400.3471	441.7251	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	1195.6977	1134.7801	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.73 Put	2,500	552.2453	606.7972	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	412.0569	390.2262	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	399.0830	377.9982	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.08 Call	2,179	391.8740	371.2073	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	381.3230	361.2711	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	17.02 Call	2,500	258.3318	245.4479	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	683.2050	651.5073	0.0000	0.0000	0	0.00	
			<u>2,745,999</u>					<u>3,055.00</u>	<u>0.00</u>	<u>40,529,172.00</u>
		Total	4,033,655					49,589.00	640,823,035.80	200,077,116.00
										1,872,384,592,420.20

Grand Total	6,574,027							152,449.00	686,216,548.70	267,913,500	2,564,712,289,105.70
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