



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 05-December-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jan 2018	DAAD	Future	5	10.3806	10.3963	0.0000	0.0000	0	0.00
Feb 2018	DAAD	Future	46	10.4504	10.4670	0.0000	0.0000	0	0.00
			<u>51</u>					<u>0.00</u>	<u>0.00</u>
		Total	51					0.00	0.00
									77,060.00
									730,229,419.30
Future									
Dec 2017	DAEU	Future	3	16.0640	16.1305	0.0000	0.0000	0	0.00
Dec 2017	DAEU	Future	800	16.1041	16.1719	0.0000	0.0000	0	0.00
Jan 2018	DAEU	Future	30	16.2407	16.3078	0.0000	0.0000	0	0.00
Mar 2018	DAEU	Future	63	16.3928	16.4613	0.0000	0.0000	0	0.00
Mar 2018	DAEU	Future	3	16.4437	16.5128	0.0000	0.0000	0	0.00
			<u>899</u>					<u>0.00</u>	<u>0.00</u>
									248,727.00
									3,589,786,759.20
Option									
Jan 2018	DAEU	15.80 Put	193,000	264.0397	243.5634	0.0000	0.0000	0	0.00
Feb 2018	DAEU	16.41 Put	114,748	590.2493	551.8510	0.0000	0.0000	0	0.00
			<u>307,748</u>					<u>0.00</u>	<u>0.00</u>
		Total	308,647					0.00	0.00
									632,539.00
									0.00
Future									
Dec 2017	DAGB	Future	10	18.2341	18.4017	0.0000	0.0000	0	0.00
Jan 2018	DAGB	Future	10	18.4090	18.5780	0.0000	0.0000	0	0.00
Mar 2018	DAGB	Future	17	18.5087	18.6794	0.0000	0.0000	0	0.00
Mar 2018	DAGB	Future	38	18.5578	18.7295	0.0000	0.0000	0	0.00
			<u>75</u>					<u>0.00</u>	<u>0.00</u>
		Total	75					0.00	0.00
									53,555.00
									878,571,162.50
Future									
Dec 2017	DAUS	Future	241	13.5711	13.6124	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	1,781	13.5733	13.6146	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	300	13.5819	13.6234	0.0000	0.0000	0	0.00

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Dec 2017	DAUS	Future	221	13.5862	13.6278	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	916	13.5992	13.6409	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	1,000	13.6035	13.6453	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	677	13.6165	13.6584	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	200	13.6274	13.6693	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	500	13.6295	13.6716	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	13.6339	13.6760	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	574	13.6404	13.6826	0.0000	0.0000	5,208	70,812,931.00		
Jan 2018	DAUS	Future	500	13.6426	13.6848	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	13.6469	13.6893	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	70	13.6622	13.7047	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	2,430	13.6752	13.7180	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	70	13.7033	13.7464	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	10	13.7075	13.7507	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	1,000	13.7353	13.7788	0.0000	0.0000	0	0.00		
Mar 2018	DAUS	Future	3,716	13.7673	13.8113	0.0000	0.0000	0	0.00		
Mar 2018	DAUS	Future	1,199	13.7972	13.8417	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	70	13.8527	13.8981	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	110	13.8655	13.9111	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	70	13.8890	13.9350	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	181	13.9317	13.9784	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	445	13.9940	14.0416	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	100	14.0005	14.0482	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,800	14.0392	14.0875	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	70	14.0500	14.0984	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,853	14.0629	14.1115	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	14.0908	14.1398	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	1,336	14.1296	14.1791	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	1,295	14.1902	14.2407	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.2487	14.3002	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.2574	14.3090	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.2899	14.3421	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.5005	14.5552	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	15.8212	15.8901	0.0000	0.0000	0	0.00		
			<u>107,722</u>					<u>5,208.00</u>	<u>70,812,931.00</u>	<u>6,923,722.00</u>	<u>83,962,243,041.00</u>

Option

Dec 2017	DAUS	14.30 Call	100	0.1639	1.7821	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.78 Call	5,000	127.3989	135.3779	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.50 Put	60	240.6218	200.7098	0.0000	0.0000	0	0.00
Dec 2017	DAUS	18.02 Call	60	1.7121	1.3824	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.50 Call	150	71.9477	71.3425	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.80 Call	200	40.7339	40.0792	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	12.50 Put	20,000	28.5076	22.5738	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	20,000	182.8491	163.8249	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.20 Put	2,000	167.9869	150.2519	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.76 Call	1,000	69.6673	72.3093	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.88 Call	1,000	57.8288	60.0601	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.12 Call	50,000	200.2826	208.5840	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.90 Put	20,000	532.2559	501.8821	0.0000	0.0000	20,000	0.00
Jan 2018	DAUS	13.75 Put	18,000	440.4069	412.5718	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	107,000	221.7113	206.2861	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.27 Put	154,000	229.1527	213.3749	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.30 Put	40,904	240.6116	224.3021	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.40 Put	168,000	281.3961	263.2929	0.0000	0.0000	0	0.00
Feb 2018	DAUS	12.57 Put	242	58.8828	52.7510	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.04 Put	234	154.6130	142.8979	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.15 Put	3,496	188.6003	175.0718	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.22 Call	242	68.3586	72.5309	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.52 Call	2,723	45.2141	47.2993	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.79 Call	234	30.9025	31.7732	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.88 Call	773	27.1796	27.7578	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.20 Put	35,000	211.7381	197.4808	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.80 Put	35,000	494.6493	469.3188	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.16 Put	1,880	201.3526	187.7412	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.86 Put	1,880	534.7508	508.7011	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.05 Call	1,880	100.4045	106.5021	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.75 Put	20,000	473.0444	0.0000	0.0000	0.0000	20,000	0.00
Feb 2018	DAUS	13.90 Put	20,000	563.8732	537.4570	0.0000	0.0000	0	0.00
Feb 2018	DAUS	14.20 Put	20,000	772.0548	742.2108	0.0000	0.0000	20,000	0.00
Feb 2018	DAUS	14.18 Put	90,000	767.4589	738.6183	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.40 Put	50,000	321.6272	304.1850	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.50 Put	0	366.7870	347.8686	0.0000	0.0000	100,000	0.00
Mar 2018	DAUS	13.40 Put	100,000	323.2039	305.8229	0.0000	0.0000	50,000	0.00
Apr 2018	DAUS	15.00 Put	1,000	1416.6447	1381.7539	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.81 Call	2,000	151.7046	158.9881	0.0000	0.0000	0	0.00
Apr 2018	DAUS	13.80 Put	1,000	581.2605	557.7890	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.23 Call	500	241.0300	250.6386	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.66 Call	500	177.2663	185.3446	0.0000	0.0000	0	0.00
May 2018	DAUS	12.74 Put	1,880	171.5956	161.2012	0.0000	0.0000	0	0.00
May 2018	DAUS	13.86 Put	1,880	621.7548	597.4433	0.0000	0.0000	0	0.00
May 2018	DAUS	15.63 Call	1,880	197.0977	205.6312	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Put	11,000	177.3923	166.7891	0.0000	0.0000	0	0.00
May 2018	DAUS	14.50 Put	11,000	1037.5579	1006.1475	0.0000	0.0000	0	0.00
May 2018	DAUS	15.76 Call	11,000	188.3105	196.4729	0.0000	0.0000	0	0.00

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May 2018	DAUS	13.80 Put	1,000	604.4795	580.8789	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.43 Call	500	268.8954	278.9105	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.89 Call	500	200.6618	208.8818	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	13.80 Put	1,000	625.0420	600.4126	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	15.62 Call	500	294.0036	303.1845	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	16.10 Call	500	223.3095	230.9239	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.19 Put	1,500	863.2746	833.6830	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.45 Put	1,500	1030.0681	998.0178	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.72 Call	1,500	323.3853	332.1425	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	287.6253	295.6963	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	643.4942	617.8475	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	319.2141	327.6817	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	246.5814	253.6937	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	132.3590	124.5113	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	679.3913	652.9618	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	276.3064	283.7822	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	659.9332	633.5126	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	336.7409	344.5908	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	263.8640	270.3266	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	672.2264	644.7856	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	352.8981	360.7286	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	277.6308	284.0869	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	685.0604	656.9651	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	373.4056	380.6526	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	299.4421	305.6132	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.90 Put	1,880	79.0959	65.1023	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.86 Put	1,880	717.5260	688.7622	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.81 Call	1,880	332.6791	339.2299	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	695.8288	666.8718	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	387.0933	393.9606	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	310.8634	316.0483	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	709.3390	680.8259	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	409.7003	417.5426	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	332.4981	338.5203	0.0000	0.0000	0	0.00		
			<u>1,067,978</u>					<u>210,000.00</u>	<u>0.00</u>	<u>15,356,526.00</u>	<u>0.00</u>
		Total	1,175,700					215,208.00	70,812,931.00	22,280,248.00	83,962,243,041.00
Future											
Dec 2017	EUUS	Future	30	1.1837	1.1850	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

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Future										
Dec 2017	ZAAD	Future	14,878	10.3355	10.3508	10.3404	10.3297	1,200	12,403,415.00	
Mar 2018	ZAAD	Future	656	10.4804	10.4974	0.0000	0.0000	0	0.00	
Jun 2018	ZAAD	Future	5,012	10.6263	10.6456	10.6566	10.6564	400	4,262,610.00	
Dec 2018	ZAAD	Future	10,812	10.9216	10.9450	0.0000	0.0000	0	0.00	
			<u>31,358</u>					<u>1,600.00</u>	<u>16,666,025.00</u>	<u>3,459,225.00</u>
		Total	31,358					1,600.00	16,666,025.00	3,491,602.00
Future										
Dec 2017	ZACA	Future	1,050	10.7222	10.7426	0.0000	0.0000	0	0.00	
Mar 2018	ZACA	Future	100	10.8901	10.9121	0.0000	0.0000	0	0.00	
			<u>1,150</u>					<u>0.00</u>	<u>0.00</u>	<u>122,503.00</u>
		Total	1,150					0.00	0.00	122,503.00
Future										
Dec 2017	ZADK	Future	550	2.1659	2.1743	2.1552	2.1552	150	3,232,800.00	
			<u>550</u>					<u>150.00</u>	<u>3,232,800.00</u>	<u>10,520.00</u>
		Total	550					150.00	3,232,800.00	226,735,309.00
Future										
Dec 2017	ZAEU	Future	106,525	16.0744	16.1411	16.1011	16.0378	4,784	76,864,276.20	
Mar 2018	ZAEU	Future	43,992	16.4074	16.4760	16.4100	16.3907	165	2,709,586.50	
Jun 2018	ZAEU	Future	1,046	16.7387	16.8106	16.7332	16.7332	250	4,183,300.00	
Sep 2018	ZAEU	Future	5,142	17.0815	17.1572	17.0838	17.0838	250	4,270,950.00	
Dec 2018	ZAEU	Future	1,928	17.4190	17.4979	0.0000	0.0000	0	0.00	
			<u>158,633</u>					<u>5,449.00</u>	<u>88,028,112.70</u>	<u>12,872,461.00</u>
										<u>181,613,199,653.90</u>
Option										
Dec 2017	ZAEU	14.00 Put	18,000	1.8580	1.2385	0.0000	0.0000	0	0.00	
Dec 2017	ZAEU	16.39 Call	18,000	158.6354	157.9593	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	15.05 Put	5,648	117.0555	105.8261	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	15.10 Put	19,510	126.1696	114.2946	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	16.39 Put	174,600	592.0592	555.1297	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	16.50 Call	643	562.6316	591.2782	0.0000	0.0000	0	0.00	
Mar 2018	ZAEU	17.00 Call	620	387.9733	407.9913	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.75 Put	54,507	38.3962	37.6185	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.97 Put	7,000	50.9213	49.1683	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.25 Put	54,507	214.7688	199.1379	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.44 Put	7,000	652.7746	616.9721	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	7,000	307.6846	319.0271	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	54,507	114.8072	119.8468	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	41,516	77.6012	77.5930	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.00 Put	41,516	473.2834	447.9787	0.0000	0.0000	0	0.00	

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Sep 2018	ZAEU	21.63 Call	41,516	202.7846	205.3582	0.0000	0.0000	0	0.00	
			<u>546,090</u>					0.00	0.00	6,003,698.00
		Total	704,723					5,449.00	88,028,112.70	18,876,159.00
										181,613,199,653.90
Future										
Dec 2017	ZAFR	Future	1,502	13.7684	13.8403	13.7444	13.7444	400	5,497,760.00	
			<u>1,502</u>					400.00	5,497,760.00	599,703.00
		Total	1,502					400.00	5,497,760.00	599,703.00
										6,379,813,136.60
Future										
Dec 2017	ZAGB	Future	211,997	18.2444	18.4123	18.2438	18.1368	1,118	20,309,247.00	
Mar 2018	ZAGB	Future	13,065	18.5721	18.7441	18.4995	18.4995	10	184,995.00	
Jun 2018	ZAGB	Future	4,422	18.8942	19.0721	18.8516	18.8466	1,000	18,849,100.00	
Sep 2018	ZAGB	Future	3,576	19.2226	19.4055	0.0000	0.0000	0	0.00	
			<u>233,060</u>					2,128.00	39,343,342.00	9,278,414.00
										154,590,349,926.50
Option										
Dec 2017	ZAGB	18.20 Call	400	298.0883	398.6736	0.0000	0.0000	0	0.00	
Dec 2017	ZAGB	19.80 Call	800	17.7971	25.1640	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	17.00 Put	500	169.8964	142.2868	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	19.00 Call	1,500	562.9578	633.8352	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	20.14 Call	500	269.1312	307.7936	0.0000	0.0000	0	0.00	
			<u>3,700</u>					0.00	0.00	1,771,513.00
		Total	236,760					2,128.00	39,343,342.00	11,049,927.00
										154,590,349,926.50
Future										
Dec 2017	ZAJY	Future	195	0.1205	0.1207	0.0000	0.0000	0	0.00	
			<u>195</u>					0.00	0.00	952,980.00
		Total	195					0.00	0.00	952,980.00
										10,619,392,867.80
Future										
Jun 2018	ZAKS	Future	1,145	0.1305	0.1315	0.0000	0.0000	0	0.00	
Sep 2018	ZAKS	Future	562	0.1293	0.1314	0.0000	0.0000	0	0.00	
			<u>1,707</u>					0.00	0.00	31,923.00
		Total	1,707					0.00	0.00	31,923.00
										432,652,210.00
Future										
Dec 2017	ZATR	Future	4,775	3.5031	3.4865	0.0000	0.0000	0	0.00	
Mar 2018	ZATR	Future	433	3.4543	3.4368	0.0000	0.0000	0	0.00	
			<u>5,208</u>					0.00	0.00	233,314.00
		Total	5,208					0.00	0.00	233,314.00
										843,471,050.50

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Future										
Dec 2017	ZAUM	Future	581	13.5797	13.6212	13.5804	13.4761	25	33,864,500.00	
Mar 2018	ZAUM	Future	133	13.7759	13.8200	0.0000	0.0000	0	0.00	
Jun 2018	ZAUM	Future	83	13.9703	14.0176	0.0000	0.0000	0	0.00	
			<u>797</u>					<u>25.00</u>	<u>33,864,500.00</u>	<u>145,097.00</u>
		Total	797					25.00	33,864,500.00	149,620.00
										166,716,412,310.00
Future										
Dec 2017	ZAUS	Future	900,856	13.5797	13.6212	13.5950	13.4875	93,774	1,269,266,861.00	
Mar 2018	ZAUS	Future	219,109	13.7759	13.8200	13.7877	13.6700	6,882	94,732,496.00	
Jun 2018	ZAUS	Future	120,533	13.9703	14.0176	13.9200	13.8766	1,160	16,157,635.00	
Sep 2018	ZAUS	Future	3,287	14.1663	14.2165	0.0000	0.0000	0	0.00	
			<u>1,243,785</u>					<u>101,816.00</u>	<u>1,380,156,992.00</u>	<u>159,707,130.00</u>
										1,874,558,713,740.60
Option										
Dec 2017	ZAUS	11.75 Put	1,000	1.1735	1.1161	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.00 Put	20,141	2.6124	2.5555	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.16 Put	550	4.3175	4.2792	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.20 Put	4,000	4.8888	4.8585	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.21 Put	18,000	5.0427	5.0146	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.40 Put	114,600	8.7077	7.5405	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.50 Put	16,416	11.5292	9.1771	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.56 Put	7,100	13.6354	10.3593	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.65 Put	1,819	17.5183	12.4860	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.75 Put	10,000	23.0992	15.4777	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	12.76 Put	550	23.7439	15.8205	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.00 Put	11,000	50.3440	33.5511	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.10 Put	41,000	70.5722	49.8294	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.18 Put	16,000	90.5807	66.6019	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.20 Call	7,000	475.8525	492.5654	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.20 Put	6,728	96.1525	71.3654	0.0000	0.0000	1,000	0.00	
Dec 2017	ZAUS	13.21 Put	5,000	99.0265	73.8373	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.22 Put	7,100	101.9591	76.3689	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.25 Call	16,141	440.8199	455.5344	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.35 Put	52,000	145.6695	115.0439	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.40 Put	114,600	165.3259	132.8981	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.50 Call	11,116	289.1998	294.9873	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.52 Put	21,000	219.1158	0.0000	0.0000	0.0000	42,000	0.00	
Dec 2017	ZAUS	13.53 Call	0	273.7211	0.0000	0.0000	0.0000	7,400	0.00	
Dec 2017	ZAUS	13.53 Put	3,700	224.0211	0.0000	0.0000	0.0000	7,400	0.00	
Dec 2017	ZAUS	13.60 Call	4,000	239.8600	242.8602	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.64 Put	4,400	282.6641	243.2347	0.0000	0.0000	0	0.00	
Dec 2017	ZAUS	13.67 Put	640	300.1968	260.1286	0.0000	0.0000	400	0.00	

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Dec 2017	ZAUS	13.76 Call	3,750	175.7360	175.5558	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Put	3,000	356.0360	314.3558	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.80 Put	550	382.3521	340.0960	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.90 Put	2,600	451.9056	408.5459	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.93 Call	7,820	123.4590	121.3543	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Call	19,000	106.0917	103.5512	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Put	34,000	526.3917	482.3512	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.10 Call	0	84.9375	82.0542	0.0000	0.0000	100	0.00
Dec 2017	ZAUS	14.27 Put	40,000	747.6715	703.2518	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.40 Call	1,000	42.4204	39.2704	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Call	8,000	33.5708	30.3459	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Put	2,055	953.8708	909.1459	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.63 Call	10,000	24.6765	21.5639	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.90 Call	1,500	12.9101	10.4150	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	4,580	10.4346	8.2343	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	8.5642	6.6785	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.50 Call	25,457	4.4810	3.3814	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.60 Call	10,000	3.8454	2.8835	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	16.00 Call	117,200	2.1960	1.6177	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.13 Call	18,000	0.7773	0.6809	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	0.7252	0.6504	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	0.2518	0.2463	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	225,000	39.9170	37.6714	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.36 Put	20,880	67.2416	61.5858	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	71.1531	64.9952	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.50 Put	26,000	85.8718	78.8966	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.57 Put	3,000	97.4915	89.9171	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.82 Put	10,323	148.6642	138.7815	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.94 Put	5,000	179.0911	168.0200	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	94,964	195.8337	184.1537	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.22 Put	15,000	269.0950	254.5845	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	2,478	280.5831	265.6150	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	333.7772	316.7977	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	7,500	342.4537	325.1619	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Call	40,000	663.6871	688.9283	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Put	17,750	387.7871	368.9283	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.60 Put	3,000	436.3506	415.9256	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.70 Call	25,000	563.9904	586.1118	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.74 Put	20,880	509.6567	487.0630	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.76 Call	4,000	536.5251	557.7260	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.84 Put	1,000	566.2989	542.2493	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.89 Call	1,000	482.0833	501.4621	0.0000	0.0000	0	0.00

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Mar 2018	ZAUS	13.89 Put	1,000	596.1833	571.4621	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.91 Put	7,000	608.3427	583.3535	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.93 Call	100	466.5140	485.3647	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.93 Put	10,323	620.6140	595.3647	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.95 Put	1,000	633.0019	607.4888	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.98 Put	200	651.7903	625.8913	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.00 Call	10,000	440.3578	458.3002	0.0000	0.0000	10,000	0.00
Mar 2018	ZAUS	14.02 Call	55	433.1322	450.8241	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.05 Put	500	696.6002	669.8146	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.07 Call	100	415.5472	432.6107	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.16 Put	750	769.6446	741.5194	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.18 Put	41,000	783.2566	754.8962	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Call	36	372.8710	388.3777	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Put	65,000	796.9710	768.3777	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.22 Put	2,000	810.7808	781.9570	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.25 Call	4,167	357.5801	372.5136	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.44 Call	10,000	304.7605	317.6554	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.45 Call	17,000	302.1995	314.9948	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.49 Put	80,000	1006.2661	974.5608	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Call	490	289.7084	302.0065	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Put	400	1013.8084	982.0065	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.52 Put	850	1028.9510	997.0143	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.57 Call	100	273.0561	284.8889	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.60 Call	100	266.2123	277.8515	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.75 Call	20,880	234.4649	245.1943	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.79 Call	100	226.6591	237.1592	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.79 Put	100	1240.7591	1207.1592	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.86 Call	15,000	213.6267	223.7431	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.90 Call	5,000	206.5234	216.4290	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	18,718	204.7866	214.6393	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.95 Call	3,000	197.9833	207.6296	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.00 Call	6,126	189.8051	199.2027	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	173.0157	181.8929	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.26 Call	2,500	152.1071	160.3194	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	127.3650	134.7592	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	65,000	122.9238	130.1658	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.57 Call	6,000	115.5268	122.5085	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.69 Call	750	103.8808	110.4417	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.00 Call	3,276	79.0513	84.6467	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.16 Call	225,000	68.7312	73.8904	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	750	13.4113	14.4148	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	66	28.9910	29.8698	0.0000	0.0000	0	0.00

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Jun 2018	ZAUS	12.00 Put	137,000	69.8962	67.9656	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	104,895	102.6144	97.9500	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	12,603	127.1339	120.3384	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	202.2224	190.5060	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	261.0595	247.1395	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	15,158	273.4281	259.0757	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	289.4199	274.5241	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	330.2522	314.0278	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.22 Put	15,000	348.2918	331.5114	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	2,050	378.4280	360.7504	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	447.7599	428.0258	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	456.8929	436.8969	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	533.5832	511.5468	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	104,895	590.0008	566.5808	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	616.6194	592.5776	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	622.0142	597.8503	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	632.8792	608.4677	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	638.3452	613.8083	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	671.6385	646.3711	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	6,130	728.9697	702.5097	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	789.1713	761.5820	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	883.5122	854.2855	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	460.4999	474.1486	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	434.5983	447.6112	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	365.8195	377.1259	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	359.6188	370.7722	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	304.9392	314.7366	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	287.1233	296.5482	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	245.6903	254.2355	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	197.2749	204.7576	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	173.4338	180.3726	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	170.4305	177.2994	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	162.7031	169.3909	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	159.9047	166.5263	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	148.3751	154.7204	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	104,895	128.3681	134.4214	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	123.4621	129.5167	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	111.6818	117.7356	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.28 Call	5,630	108.0805	114.1319	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	103.1949	109.2413	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.00 Put	750	15.8574	16.7566	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	5,300	213.9400	200.7103	0.0000	0.0000	0	0.00

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Sep 2018	ZAUS	12.65 Put	1,550	225.3383	211.4453	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.85 Put	750	283.9739	268.8579	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.36 Put	2,179	460.9416	440.1102	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.65 Call	1,464	1107.5382	1132.3141	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.73 Put	2,500	631.0223	604.7578	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	15.97 Call	5,300	379.4110	387.7166	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	16.04 Call	1,550	367.3953	375.5015	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	16.08 Call	2,179	360.7167	368.7141	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	16.14 Call	750	350.9531	358.7900	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	17.02 Call	2,500	237.4643	243.1716	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	628.4303	648.8380	0.0000	0.0000	0	0.00	
			<u>2,781,339</u>					<u>68,300.00</u>	<u>0.00</u>	<u>40,604,480.00</u>
		Total	4,025,124					170,116.00	1,380,156,992.00	200,311,610.00
										1,874,558,713,740.60
Grand Total			6,493,577					395,076.00	1,637,602,462.70	268,418,801
										2,567,286,413,053.80