



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 29-November-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Jan 2018	DAAD	Future	5	10.4361	10.5080	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	16.2463	16.3246	0.0000	0.0000	0	0.00		
Dec 2017	DAEU	Future	800	16.3277	16.4058	0.0000	0.0000	0	0.00		
Jan 2018	DAEU	Future	30	16.4595	16.5408	0.0000	0.0000	0	0.00		
Mar 2018	DAEU	Future	63	16.6156	16.6944	0.0000	0.0000	0	0.00		
Mar 2018	DAEU	Future	3	16.6674	16.7433	0.0000	0.0000	0	0.00		
			899					0.00	0.00	248,704.00	3,589,411,886.30
Option											
Jan 2018	DAEU	15.80 Put	193,000	207.2730	193.1124	0.0000	0.0000	0	0.00		
Feb 2018	DAEU	16.41 Put	114,748	494.0257	461.2291	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	881,243.00	3,589,411,886.30
Future											
Dec 2017	DAGB	Future	10	18.4349	18.2631	0.0000	0.0000	0	0.00		
Jan 2018	DAGB	Future	10	18.6115	18.4368	0.0000	0.0000	0	0.00		
Mar 2018	DAGB	Future	17	18.7137	18.5383	0.0000	0.0000	0	0.00		
Mar 2018	DAGB	Future	38	18.7648	18.5864	0.0000	0.0000	0	0.00		
			75					0.00	0.00	53,555.00	878,571,162.50
Option											
Dec 2017	DAGB	19.19 Call	15,200	6.2022	5.5104	0.0000	0.0000	0	0.00		
			15,200					0.00	0.00	207,313.00	0.00
		Total	15,275					0.00	0.00	260,868.00	878,571,162.50
Future											

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Nov 2017	DAUS	Future	2,708	13.7176	13.7274	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	24	13.7219	13.7339	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	241	13.7443	13.7562	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	1,781	13.7465	13.7585	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	317	13.7554	13.7674	0.0000	0.0000	17	232,305.00		
Dec 2017	DAUS	Future	221	13.7598	13.7719	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	916	13.7732	13.7854	0.0000	0.0000	0	0.00		
Dec 2017	DAUS	Future	500	13.7776	13.7899	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	677	13.7910	13.8031	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	200	13.8022	13.8142	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	500	13.8045	13.8164	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	13.8090	13.8208	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	500	13.8179	13.8297	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	241	13.8224	13.8341	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	70	13.8381	13.8496	0.0000	0.0000	0	0.00		
Jan 2018	DAUS	Future	1,930	13.8515	13.8629	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	70	13.8802	13.8917	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	10	13.8846	13.8961	0.0000	0.0000	0	0.00		
Feb 2018	DAUS	Future	500	13.9133	13.9249	0.0000	0.0000	0	0.00		
Mar 2018	DAUS	Future	1,521	13.9465	13.9581	0.0000	0.0000	1,332	18,596,318.40		
Mar 2018	DAUS	Future	699	13.9774	13.9891	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	70	14.0350	14.0466	0.0000	0.0000	0	0.00		
Apr 2018	DAUS	Future	110	14.0483	14.0599	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	70	14.0726	14.0842	0.0000	0.0000	0	0.00		
May 2018	DAUS	Future	181	14.1169	14.1285	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	Future	445	14.1813	14.1924	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	100	14.1880	14.1990	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,800	14.2279	14.2386	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	70	14.2390	14.2496	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	Future	1,853	14.2524	14.2628	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	70	14.2813	14.2915	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	1,336	14.3212	14.3311	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	1,295	14.3841	14.3935	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	14.4448	14.4536	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	14.4538	14.4626	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	14.4875	14.4960	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	14.7044	14.7141	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	16.0690	16.0801	0.0000	0.0000	0	0.00		
			<u>105,702</u>					<u>1,349.00</u>	<u>18,828,623.40</u>	<u>6,894,032.00</u>	<u>83,554,239,025.30</u>

Option

Nov 2017	DAUS	12.75 Put	238,000	0.0000	0.0849	0.0000	0.0000	0	0.00
Nov 2017	DAUS	14.00 Call	30,000	5.1977	16.0804	0.0000	0.0000	0	0.00

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Dec 2017	DAUS	14.47 Call	30,000	4.7678	7.1038	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.30 Call	100	12.8553	18.2382	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.78 Call	5,000	195.3219	222.6266	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.50 Put	60	173.4782	186.4001	0.0000	0.0000	0	0.00
Dec 2017	DAUS	18.02 Call	60	2.2127	2.4411	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.50 Call	150	124.1341	135.0325	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.80 Call	200	77.9699	86.3865	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.20 Put	2,000	132.5416	137.1197	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.76 Call	1,000	108.5106	118.0378	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.88 Call	1,000	91.8658	100.5905	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.90 Put	20,000	444.6757	447.6676	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.75 Put	18,000	364.1411	368.3690	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	107,000	177.7020	181.3792	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.27 Put	154,000	184.0171	187.7321	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.30 Put	40,904	193.7666	197.5325	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.40 Put	168,000	228.6975	232.5958	0.0000	0.0000	0	0.00
Feb 2018	DAUS	12.57 Put	242	45.8427	47.4450	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.04 Put	234	122.9096	126.0262	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.15 Put	3,496	150.0132	153.4778	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.22 Call	242	99.5033	107.8854	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.52 Call	2,723	68.6581	76.1324	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.79 Call	234	48.6668	55.2855	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.88 Call	773	43.3398	49.6651	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.20 Put	35,000	170.8299	0.0000	0.0000	0.0000	35,000	0.00
Feb 2018	DAUS	13.80 Put	35,000	415.8595	419.5302	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.16 Put	1,880	162.4032	165.8474	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.86 Put	1,880	451.9873	454.9124	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.05 Call	1,880	137.5827	146.2676	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.90 Put	20,000	478.6837	481.1737	0.0000	0.0000	0	0.00
Feb 2018	DAUS	14.20 Put	20,000	671.1961	671.9264	0.0000	0.0000	0	0.00
Feb 2018	DAUS	14.18 Put	90,000	670.4758	670.6319	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.50 Put	100,000	309.7917	312.2161	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.40 Put	100,000	271.5592	273.9917	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.00 Put	1,000	1293.4212	1290.6348	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.81 Call	2,000	190.9975	197.3572	0.0000	0.0000	0	0.00
Apr 2018	DAUS	13.80 Put	1,000	508.3491	510.1347	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.23 Call	500	294.2031	302.3639	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.66 Call	500	221.0540	227.9296	0.0000	0.0000	0	0.00
May 2018	DAUS	12.74 Put	1,880	143.5593	146.1953	0.0000	0.0000	0	0.00
May 2018	DAUS	13.86 Put	1,880	546.1811	547.7610	0.0000	0.0000	0	0.00
May 2018	DAUS	15.63 Call	1,880	243.4432	250.5685	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Put	11,000	148.6445	151.3267	0.0000	0.0000	0	0.00

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May 2018	DAUS	14.50 Put	11,000	934.1649	933.4807	0.0000	0.0000	0	0.00			
May 2018	DAUS	15.76 Call	11,000	232.4468	239.3433	0.0000	0.0000	0	0.00			
May 2018	DAUS	13.80 Put	1,000	531.5795	533.5287	0.0000	0.0000	0	0.00			
May 2018	DAUS	15.43 Call	500	323.2192	331.4413	0.0000	0.0000	0	0.00			
May 2018	DAUS	15.89 Call	500	245.1290	252.1151	0.0000	0.0000	0	0.00			
Jun 2018	DAUS	13.80 Put	1,000	551.8001	554.8696	0.0000	0.0000	0	0.00			
Jun 2018	DAUS	15.62 Call	500	348.7458	357.2991	0.0000	0.0000	0	0.00			
Jun 2018	DAUS	16.10 Call	500	267.3987	274.9185	0.0000	0.0000	0	0.00			
Jul 2018	DAUS	14.19 Put	1,500	774.9299	778.2152	0.0000	0.0000	0	0.00			
Jul 2018	DAUS	14.45 Put	1,500	932.1295	934.7171	0.0000	0.0000	0	0.00			
Jul 2018	DAUS	15.72 Call	1,500	379.3626	388.5729	0.0000	0.0000	0	0.00			
Jul 2018	DAUS	15.94 Call	1,500	338.5825	347.3482	0.0000	0.0000	0	0.00			
Jul 2018	DAUS	13.80 Put	1,000	569.8115	574.0691	0.0000	0.0000	0	0.00			
Jul 2018	DAUS	15.82 Call	500	373.6456	382.9308	0.0000	0.0000	0	0.00			
Jul 2018	DAUS	16.32 Call	500	290.6659	298.9592	0.0000	0.0000	0	0.00			
Aug 2018	DAUS	12.32 Put	1,880	106.1131	108.8277	0.0000	0.0000	0	0.00			
Aug 2018	DAUS	13.86 Put	1,880	603.1528	607.5049	0.0000	0.0000	0	0.00			
Aug 2018	DAUS	16.18 Call	1,880	324.2704	333.0188	0.0000	0.0000	0	0.00			
Aug 2018	DAUS	13.80 Put	1,000	585.2861	590.8515	0.0000	0.0000	0	0.00			
Aug 2018	DAUS	16.05 Call	500	389.1266	400.2595	0.0000	0.0000	0	0.00			
Aug 2018	DAUS	16.57 Call	500	306.4706	316.1911	0.0000	0.0000	0	0.00			
Sep 2018	DAUS	13.80 Put	1,000	597.2068	604.0273	0.0000	0.0000	0	0.00			
Sep 2018	DAUS	16.25 Call	500	404.7344	415.9126	0.0000	0.0000	0	0.00			
Sep 2018	DAUS	16.80 Call	500	319.8329	329.9762	0.0000	0.0000	0	0.00			
Oct 2018	DAUS	13.80 Put	1,000	609.9581	617.6604	0.0000	0.0000	0	0.00			
Oct 2018	DAUS	16.47 Call	500	424.6405	436.4399	0.0000	0.0000	0	0.00			
Oct 2018	DAUS	17.02 Call	500	341.8526	352.7077	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	11.90 Put	1,880	63.0157	67.0174	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	13.86 Put	1,880	640.1193	647.9524	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	16.81 Call	1,880	378.6411	389.9800	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	13.80 Put	1,000	620.8678	629.6330	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	16.70 Call	500	437.8803	450.5545	0.0000	0.0000	0	0.00			
Nov 2018	DAUS	17.31 Call	500	350.1427	361.8329	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	13.80 Put	1,000	637.2702	645.7067	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	16.93 Call	500	463.1218	475.5383	0.0000	0.0000	0	0.00			
Dec 2018	DAUS	17.58 Call	500	374.1500	385.5537	0.0000	0.0000	0	0.00			
			<u>1,305,978</u>					<u>35,000.00</u>	<u>0.00</u>	<u>15,006,120.00</u>	<u>0.00</u>	
		Total	1,411,680					36,349.00	18,828,623.40	21,900,152.00	83,554,239,025.30	
Future												
	Dec 2017	EUUS	Future	40	1.1845	1.1894	1.1848	1.1848	10	118,480.00		
				<u>40</u>					<u>10.00</u>	<u>118,480.00</u>	<u>649,040.00</u>	<u>7,292,492,415.00</u>

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Total			40					10.00	118,480.00	649,040.00	7,292,492,415.00
Future											
Dec 2017	GBUS	Future	10	1.3412	1.3275	1.3400	1.3400	10	134,000.00		
			<u>10</u>					<u>10.00</u>	<u>134,000.00</u>	164,875.00	2,118,197,584.00
Total			10					10.00	134,000.00	164,875.00	2,118,197,584.00
Future											
Dec 2017	ZAAD	Future	15,678	10.3903	10.4617	0.0000	0.0000	22	228,976.00		
Mar 2018	ZAAD	Future	656	10.5383	10.6105	10.5395	10.5395	75	790,462.50		
Jun 2018	ZAAD	Future	5,346	10.6885	10.7611	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	10,812	10.9927	11.0617	0.0000	0.0000	0	0.00		
			<u>32,492</u>					<u>97.00</u>	<u>1,019,438.50</u>	3,456,497.00	29,767,076,909.10
Total			32,492					97.00	1,019,438.50	3,488,874.00	29,767,076,909.10
Future											
Dec 2017	ZACA	Future	1,050	10.7016	10.7545	0.0000	0.0000	0	0.00		
Mar 2018	ZACA	Future	100	10.8716	10.9247	0.0000	0.0000	0	0.00		
			<u>1,150</u>					<u>0.00</u>	<u>0.00</u>	122,503.00	1,204,183,527.10
Total			1,150					0.00	0.00	122,503.00	1,204,183,527.10
Future											
Dec 2017	ZADK	Future	800	2.1935	2.2036	0.0000	0.0000	0	0.00		
			<u>800</u>					<u>0.00</u>	<u>0.00</u>	10,270.00	221,302,909.00
Total			800					0.00	0.00	10,270.00	221,302,909.00
Future											
Dec 2017	ZAEU	Future	110,717	16.2913	16.3725	16.2847	16.2124	15,210	247,271,640.00		
Mar 2018	ZAEU	Future	39,992	16.6303	16.7083	16.6536	16.5556	3,283	54,406,435.80		
Jun 2018	ZAEU	Future	546	16.9696	17.0517	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	Future	4,679	17.3198	17.4019	17.3351	17.3351	10	173,351.00		
Dec 2018	ZAEU	Future	1,928	17.6639	17.7446	0.0000	0.0000	0	0.00		
			<u>157,862</u>					<u>18,503.00</u>	<u>301,851,426.80</u>	12,860,543.00	181,418,160,879.30
Option											
Dec 2017	ZAEU	14.00 Put	18,000	0.8853	1.0638	0.0000	0.0000	0	0.00		
Dec 2017	ZAEU	16.39 Call	18,000	221.1648	280.8370	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	15.05 Put	5,648	93.2586	85.6658	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	15.10 Put	19,510	100.7770	92.6573	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	16.39 Put	174,600	500.0322	469.8068	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	16.50 Call	643	685.5134	731.0590	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	17.00 Call	620	480.7911	515.8048	0.0000	0.0000	0	0.00		

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Jun 2018	ZAEU	13.75 Put	54,507	32.1313	30.2785	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.97 Put	7,000	42.9394	40.4860	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.25 Put	54,507	183.1159	173.4688	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.44 Put	7,000	565.4609	535.5658	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	7,000	364.3799	386.9461	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	54,507	136.9241	147.9003	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	41,516	67.6680	64.1198	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.00 Put	41,516	416.1813	395.1645	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	21.63 Call	41,516	220.1212	227.8998	0.0000	0.0000	0	0.00	
			<u>546,090</u>					<u>0.00</u>	<u>0.00</u>	<u>6,003,698.00</u>
		Total	703,952					18,503.00	301,851,426.80	18,864,241.00
										181,418,160,879.30
Future										
Dec 2017	ZAFR	Future	1,215	13.9673	14.0135	0.0000	0.0000	0	0.00	
			<u>1,215</u>					<u>0.00</u>	<u>0.00</u>	<u>599,303.00</u>
		Total	1,215					0.00	0.00	599,303.00
										6,374,315,376.60
Future										
Dec 2017	ZAGB	Future	213,201	18.4458	18.2737	18.4681	18.3389	2,549	46,784,137.50	
Mar 2018	ZAGB	Future	13,065	18.7794	18.6000	18.7253	18.7253	55	1,032,699.50	
Jun 2018	ZAGB	Future	4,422	19.1091	18.9289	0.0000	0.0000	0	0.00	
Sep 2018	ZAGB	Future	3,565	19.4427	19.2579	19.3887	19.3887	5	96,943.50	
			<u>234,253</u>					<u>2,609.00</u>	<u>47,913,780.50</u>	<u>9,270,906.00</u>
										<u>154,451,184,825.90</u>
Option										
Dec 2017	ZAGB	18.20 Call	400	482.9308	400.7414	0.0000	0.0000	0	0.00	
Dec 2017	ZAGB	19.80 Call	800	44.3498	34.3365	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	17.00 Put	500	147.5782	182.8802	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	19.00 Call	1,500	665.6233	596.8110	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	20.14 Call	500	328.7399	291.1127	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>
		Total	237,953					2,609.00	47,913,780.50	11,042,419.00
										154,451,184,825.90
Future										
Dec 2017	ZAJY	Future	195	0.1228	0.1237	0.0000	0.0000	0	0.00	
			<u>195</u>					<u>0.00</u>	<u>0.00</u>	<u>952,980.00</u>
		Total	195					0.00	0.00	952,980.00
										10,619,392,867.80
Future										
Jun 2018	ZAKS	Future	1,145	0.1326	0.1312	0.0000	0.0000	0	0.00	
Sep 2018	ZAKS	Future	562	0.1323	0.1317	0.0000	0.0000	0	0.00	
			<u>1,707</u>					<u>0.00</u>	<u>0.00</u>	<u>31,923.00</u>
										432,652,210.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Total			1,707					0.00	0.00	31,923.00	432,652,210.00
Future											
Dec 2017	ZATR	Future	4,775	3.4540	3.4658	0.0000	0.0000	0	0.00		
Mar 2018	ZATR	Future	433	3.4018	3.4137	0.0000	0.0000	0	0.00		
			5,208					0.00	0.00	233,314.00	843,471,050.50
Total			5,208					0.00	0.00	233,314.00	843,471,050.50
Future											
Dec 2017	ZAUM	Future	609	13.7532	13.7652	13.6974	13.6239	32	43,710,900.00		
Mar 2018	ZAUM	Future	138	13.9553	13.9669	13.8989	13.8256	15	20,795,150.00		
Jun 2018	ZAUM	Future	83	14.1569	14.1681	0.0000	0.0000	92	130,155,160.00		
			830					139.00	194,661,210.00	145,025.00	166,617,891,290.00
Total			830					139.00	194,661,210.00	149,548.00	166,617,891,290.00
Future											
Dec 2017	ZAUS	Future	963,269	13.7532	13.7652	13.7900	13.6200	132,685	1,816,403,422.50		
Mar 2018	ZAUS	Future	222,920	13.9553	13.9669	13.9299	13.8256	60,877	846,519,192.30		
Jun 2018	ZAUS	Future	121,395	14.1569	14.1681	14.1210	14.0500	1,228	17,300,786.50		
Sep 2018	ZAUS	Future	3,287	14.3593	14.3690	14.3162	14.3162	10	143,162.00		
			1,310,871					194,800.00	2,680,366,563.30	159,436,064.00	1,870,845,742,166.80
Option											
Dec 2017	ZAUS	11.75 Put	1,000	0.6685	0.9004	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.00 Put	20,141	1.5216	1.9540	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.16 Put	550	2.5496	3.1796	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.20 Put	4,000	2.8970	3.5869	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.21 Put	18,000	2.9908	3.6964	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.40 Put	114,600	5.4376	6.5023	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.50 Put	16,416	6.8847	8.4670	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.56 Put	7,100	7.9457	9.9187	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.65 Put	1,819	9.8761	12.5712	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.75 Put	10,000	12.6198	16.3458	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.76 Put	550	12.9355	16.7797	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.00 Put	11,000	23.6562	31.3362	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.10 Put	41,000	33.1038	42.7467	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.18 Put	16,000	45.2914	56.3108	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.20 Call	7,000	602.0077	625.3555	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.20 Put	6,728	48.8077	60.1555	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.21 Put	5,000	50.6405	62.1493	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.22 Put	7,100	52.5241	64.1907	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.25 Call	16,141	561.6874	585.8138	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.35 Put	52,000	81.9485	95.3983	0.0000	0.0000	0	0.00		

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Dec 2017	ZAUS	13.40 Put	114,600	95.8866	109.8508	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.50 Call	11,016	381.6901	408.3289	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.60 Call	4,000	320.8801	347.6677	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.64 Put	2,600	185.2441	0.0000	0.0000	0.0000	5,200	0.00
Dec 2017	ZAUS	13.76 Call	3,750	237.7872	263.7066	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Put	3,000	244.5872	258.5066	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.80 Put	550	267.1348	280.6958	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.90 Put	2,600	327.9435	340.3130	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.93 Call	7,820	170.5676	194.5075	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Call	19,000	147.8801	170.7114	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Put	34,000	394.6801	405.5114	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.10 Call	100	119.9598	141.0085	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.27 Put	40,000	599.7962	605.5335	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.40 Call	1,000	62.0622	77.2463	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Call	8,000	49.3350	61.7909	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Put	2,055	796.1350	796.5909	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.63 Call	10,000	36.3414	44.8015	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.90 Call	1,500	18.9847	21.8758	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	4,580	14.8770	16.5025	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	11.3633	11.9842	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.50 Call	25,457	5.4389	5.9619	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.60 Call	10,000	4.5852	5.1204	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	16.00 Call	117,200	2.4391	2.9497	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.13 Call	18,000	1.0902	1.8375	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	1.0782	1.8792	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	0.7707	1.6534	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	225,000	35.2332	36.6403	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.36 Put	20,880	59.0071	60.9735	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	62.3981	64.4306	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.50 Put	26,000	71.6610	73.8627	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.57 Put	3,000	79.6632	81.9871	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.82 Put	10,323	123.2473	125.9799	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.94 Put	5,000	149.4501	152.3277	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	94,964	163.9437	166.8826	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.22 Put	15,000	225.5368	228.5811	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	2,478	235.0106	238.0548	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	281.8969	284.7668	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	7,500	289.5834	292.4188	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Call	15,000	785.2113	799.4441	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Put	17,750	329.9113	332.5441	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.60 Put	3,000	373.3994	375.7812	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.74 Put	20,880	439.5335	441.4887	0.0000	0.0000	0	0.00

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Mar 2018	ZAUS	13.76 Call	4,000	644.7759	658.2635	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.84 Put	1,000	490.4626	0.0000	0.0000	0.0000	2,000	0.00
Mar 2018	ZAUS	13.89 Call	1,000	582.3553	0.0000	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.89 Put	1,000	517.0553	0.0000	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.91 Put	7,000	527.9007	529.2341	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.93 Call	100	564.1635	577.0174	0.0000	0.0000	100	0.00
Mar 2018	ZAUS	13.93 Put	10,323	538.8635	540.1174	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.95 Put	1,000	549.9431	0.0000	0.0000	0.0000	2,000	0.00
Mar 2018	ZAUS	13.98 Put	200	567.1938	568.2363	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.05 Put	500	608.4426	609.1773	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.07 Call	100	505.7822	518.0280	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.16 Put	750	676.0225	676.2475	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.18 Put	41,000	688.6608	688.7895	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Call	36	456.7046	468.3395	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Put	65,000	701.4046	701.4395	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.22 Put	2,000	714.2528	714.1904	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.44 Call	10,000	377.4750	387.9293	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.45 Call	17,000	374.4716	384.8782	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.49 Put	80,000	897.3903	895.9971	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Call	240	359.8024	369.9555	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Put	400	904.5024	903.0555	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.52 Put	1,000	918.7898	917.2444	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.57 Call	100	340.1868	349.9907	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.60 Call	100	332.1025	0.0000	0.0000	0.0000	100	0.00
Mar 2018	ZAUS	14.68 Call	0	311.4897	320.7841	0.0000	0.0000	2,000	0.00
Mar 2018	ZAUS	14.68 Put	0	1036.1897	1033.8841	0.0000	0.0000	2,000	0.00
Mar 2018	ZAUS	14.75 Call	20,880	294.5629	303.5913	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.79 Call	100	285.3025	294.1816	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.79 Put	100	1120.0025	1117.2816	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.86 Call	15,000	269.7966	278.4143	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.90 Call	5,000	261.3219	269.7918	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	18,718	259.2450	267.6767	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.95 Call	3,000	251.1065	259.3914	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.00 Call	6,126	241.2979	249.3993	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	221.0788	228.7815	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.26 Call	2,500	196.2955	203.4743	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	166.8721	173.3829	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	65,000	161.4175	167.7989	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.57 Call	6,000	152.3050	158.4641	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.69 Call	750	137.8815	143.6713	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.00 Call	3,276	106.7659	111.6741	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.16 Call	225,000	93.6583	98.1573	0.0000	0.0000	0	0.00

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Jun 2018	ZAUS	11.00 Put	750	12.9195	13.4794	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	66	24.4549	25.3379	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	137,000	58.8626	60.5317	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	104,895	86.6049	88.7532	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	12,603	107.5208	109.9729	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	170.9366	174.0964	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	223.2974	226.6128	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	15,158	234.3747	237.7074	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	248.7299	252.0824	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	285.5276	288.8909	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.22 Put	15,000	301.8487	305.2057	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	2,050	329.1894	332.5202	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	388.6950	391.9120	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	397.0187	400.2162	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	467.2706	470.2399	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	104,895	519.2688	522.0396	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	543.8839	546.5539	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	548.8796	551.5287	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	558.9432	561.5498	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	564.0111	566.5960	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	594.9192	597.3693	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	6,130	648.3112	650.5229	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	704.0071	705.9559	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	792.0965	793.5855	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	538.3854	549.4390	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	508.6516	519.3345	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	430.4867	440.1270	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	423.4325	432.9687	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	361.3774	369.9444	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	342.3739	350.6199	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	294.9634	302.6113	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	238.7883	245.6403	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	210.9075	217.3093	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	207.3870	213.7310	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	198.3065	204.4952	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	195.0147	201.1442	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	181.4292	187.3105	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	104,895	156.4315	161.8262	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	149.7844	155.0405	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	136.0153	141.0788	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.28 Call	5,630	131.7989	136.8000	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	126.0694	130.9819	0.0000	0.0000	0	0.00

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Sep 2018	ZAUS	11.00 Put	750	15.7077	16.4643	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.61 Put	5,300	176.1667	180.7396	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.65 Put	1,550	186.4645	191.2248	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.85 Put	750	243.5748	249.2656	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.36 Put	2,179	406.8284	413.2427	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.65 Call	1,464	1231.0828	1247.2137	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.73 Put	2,500	558.6888	565.1160	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	15.97 Call	5,300	435.7003	446.9875	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	16.04 Call	1,550	422.2246	433.3840	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	16.08 Call	2,179	414.7254	425.8107	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	16.14 Call	750	403.7576	414.7292	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	17.02 Call	2,500	275.1085	284.4251	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	697.2236	709.7013	0.0000	0.0000	0	0.00	
			<u>2,689,877</u>					<u>13,400.00</u>	<u>0.00</u>	<u>40,441,600.00</u>
	Total		<u>4,000,748</u>					<u>208,200.00</u>	<u>2,680,366,563.30</u>	<u>199,877,664.00</u>
										<u>1,870,845,742,166.80</u>

Grand Total	<u>6,721,907</u>	<u>265,917.00</u>	<u>3,244,893,522.50</u>	<u>267,581,794</u>	<u>2,562,692,232,273.20</u>
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