



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 08-August-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Future											
Oct 2018	CC01	Future	25,000	395.5343	405.0858	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											
Nov 2018	CX05	Future	25,000	183.4984	167.7280	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>4 449 500.00</u>
		Total	25,000					0.00	0.00	25 000.00	4 449 500.00
Future											
Sep 2018	DAEU	Future	34	15.6181	15.5179	0.0000	0.0000	0	0.00		
			<u>34</u>					<u>0.00</u>	<u>0.00</u>	<u>801 260.00</u>	<u>11 964 751 196.80</u>
		Total	34					0.00	0.00	1 758 047.00	11 964 751 196.80
Future											
Sep 2018	DAGB	Future	14	17.3820	17.3812	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											
Aug 2018	DAUS	Future	70	13.3917	13.3176	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	4,144	13.3985	13.3210	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	600	13.4078	13.3295	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	Future	3,299	13.4241	13.3483	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	197	13.4285	13.3534	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	Future	5,532	13.4691	13.3958	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	55	13.4760	13.4026	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	235	13.5017	13.4282	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	13.5154	13.4421	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	13.5223	13.4490	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>		
Oct 2018	DAUS	Future	3,442	13.5257	13.4524	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	55	13.5274	13.4542	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	13.5480	13.4749	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	420	13.5531	13.4800	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	461	13.5756	13.5022	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	3,197	13.5774	13.5039	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	Future	2,078	13.6310	13.5568	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.6345	13.5602	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	55	13.6830	13.6080	0.0000	0.0000	0	0.00		
Jan 2019	DAUS	Future	1,225	13.6847	13.6097	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.7072	13.6319	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	4,725	13.7331	13.6576	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.7796	13.7038	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	55	13.7899	13.7141	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,280	13.8382	13.7621	0.0000	0.0000	0	0.00		
May 2019	DAUS	Future	55	13.8919	13.8152	0.0000	0.0000	0	0.00		
Jul 2019	DAUS	Future	55	13.9457	13.8682	0.0000	0.0000	0	0.00		
Aug 2019	DAUS	Future	55	13.9996	13.9213	0.0000	0.0000	0	0.00		
Sep 2019	DAUS	Future	55	14.0580	13.9794	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.1143	14.0355	0.0000	0.0000	0	0.00		
Oct 2019	DAUS	Future	55	14.1687	14.0898	0.0000	0.0000	0	0.00		
Dec 2019	DAUS	Future	55	14.2288	14.1497	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.2870	14.2077	0.0000	0.0000	0	0.00		
Jan 2020	DAUS	Future	55	14.3414	14.2619	0.0000	0.0000	0	0.00		
Mar 2020	DAUS	Future	55	14.3996	14.3199	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.4578	14.3779	0.0000	0.0000	0	0.00		
Apr 2020	DAUS	Future	55	14.5085	14.4284	0.0000	0.0000	0	0.00		
Jun 2020	DAUS	Future	1,055	14.5723	14.4920	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	14.6775	14.5968	0.0000	0.0000	0	0.00		
			<u>121,744</u>					<u>0.00</u>	<u>0.00</u>	<u>10 523 872.00</u>	<u>128 364 768 389.90</u>
Option											
Aug 2018	DAUS	13.18 Put	350	41.7553	61.7701	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.22 Call	350	229.3056	175.1524	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.43 Put	106	130.6542	182.7653	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.55 Call	106	58.6416	42.9621	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.35 Put	20,000	106.0105	144.9897	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.21 Put	50,000	80.8220	107.2387	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.00 Put	500	49.0075	67.1148	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.65 Call	500	120.8909	100.6380	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	459.8114	521.2734	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	0.4270	0.3952	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	0.3800	0.4164	0.0000	0.0000	0	0.00		

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Sep 2018	DAUS	13.43 Put	10,000	225.4103	267.9431	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.44 Put	15,000	230.7036	274.0418	0.0000	0.0000	0	0.00
Sep 2018	DAUS	12.90 Put	100	46.7231	61.7992	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.09 Put	600	91.0095	114.2874	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.32 Call	600	290.2060	250.4466	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.45 Call	100	224.3675	194.1481	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Call	100	110.2730	94.6956	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.90 Call	600	89.1443	76.5522	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.30 Put	747	184.4930	217.1901	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.00 Put	500	113.1891	133.5862	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.78 Call	500	193.5629	171.4664	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	518.7071	570.5127	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	2.4971	2.4326	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	2.1476	2.1419	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.51 Call	5,000	340.0103	306.8223	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.20 Put	1,630	225.2295	253.0421	0.0000	0.0000	0	0.00
Oct 2018	DAUS	14.00 Call	1,630	207.8031	187.9190	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.00 Put	500	167.6387	189.0569	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	567.2755	615.0323	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.93 Call	500	253.2293	230.8415	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	13.1856	11.7339	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	6.0687	5.6892	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	16.8654	17.4843	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	613.4908	662.3069	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	9.5024	8.6718	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	3.9079	4.2850	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	14.6909	16.1279	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	605.7779	561.0784	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.00 Put	500	204.7770	227.8005	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	601.6268	647.8723	0.0000	0.0000	0	0.00
Nov 2018	DAUS	14.08 Call	500	292.0671	270.6122	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	25.3737	21.0100	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	13.9842	10.0584	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	519.0120	561.4331	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	77.5927	71.5358	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.20 Put	1,000	304.2552	333.7372	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.30 Put	1,000	348.2030	380.3295	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.66 Call	1,000	211.9101	197.5438	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.75 Call	1,000	196.8519	183.4502	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.00 Put	500	233.7948	259.2473	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	627.8210	673.1191	0.0000	0.0000	0	0.00
Dec 2018	DAUS	14.22 Call	500	326.8763	305.6749	0.0000	0.0000	0	0.00

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Dec 2018	DAUS	16.93 Call	500	41.5278	38.6400	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	28.5949	26.3385	0.0000	0.0000	0	0.00
Jan 2019	DAUS	12.66 Put	263	150.6824	168.0453	0.0000	0.0000	0	0.00
Jan 2019	DAUS	13.00 Put	500	260.5668	287.2968	0.0000	0.0000	0	0.00
Jan 2019	DAUS	14.38 Call	500	354.0991	333.5804	0.0000	0.0000	0	0.00
Feb 2019	DAUS	13.00 Put	500	283.7897	310.0852	0.0000	0.0000	0	0.00
Feb 2019	DAUS	14.52 Call	500	379.0077	359.2139	0.0000	0.0000	0	0.00
Mar 2019	DAUS	13.00 Put	500	306.3537	331.5456	0.0000	0.0000	0	0.00
Mar 2019	DAUS	14.67 Call	500	402.8275	383.1433	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.00 Put	3,000	327.4335	353.2490	0.0000	0.0000	0	0.00
Apr 2019	DAUS	13.49 Call	2,500	889.8056	851.0020	0.0000	0.0000	0	0.00
Apr 2019	DAUS	14.84 Call	500	423.9195	405.1211	0.0000	0.0000	0	0.00
May 2019	DAUS	13.00 Put	500	347.9615	373.6404	0.0000	0.0000	0	0.00
May 2019	DAUS	15.01 Call	500	443.7974	425.0121	0.0000	0.0000	0	0.00
Jun 2019	DAUS	13.00 Put	500	364.6337	390.2892	0.0000	0.0000	0	0.00
Jun 2019	DAUS	15.17 Call	500	458.7655	439.9620	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.45 Put	39,250	557.5877	593.5425	0.0000	0.0000	0	0.00
Jul 2019	DAUS	16.44 Call	39,250	262.4036	250.7899	0.0000	0.0000	0	0.00
Jul 2019	DAUS	13.00 Put	500	382.4280	408.1193	0.0000	0.0000	0	0.00
Jul 2019	DAUS	15.34 Call	500	479.1255	459.6219	0.0000	0.0000	0	0.00
Aug 2019	DAUS	13.00 Put	500	400.3446	425.5405	0.0000	0.0000	0	0.00
Aug 2019	DAUS	15.52 Call	500	496.3216	476.0404	0.0000	0.0000	0	0.00
Sep 2019	DAUS	13.00 Put	500	417.3872	441.7364	0.0000	0.0000	0	0.00
Sep 2019	DAUS	15.68 Call	500	519.5088	498.9610	0.0000	0.0000	0	0.00
Oct 2019	DAUS	13.00 Put	500	433.6010	456.5711	0.0000	0.0000	0	0.00
Oct 2019	DAUS	15.87 Call	500	536.9648	515.7029	0.0000	0.0000	0	0.00
Nov 2019	DAUS	13.00 Put	500	447.1234	469.1621	0.0000	0.0000	0	0.00
Nov 2019	DAUS	16.03 Call	500	556.2130	534.2452	0.0000	0.0000	0	0.00
Dec 2019	DAUS	13.00 Put	500	460.5878	481.4364	0.0000	0.0000	0	0.00
Dec 2019	DAUS	16.21 Call	500	575.8458	553.0053	0.0000	0.0000	0	0.00
			<u>420,422</u>					<u>0.00</u>	<u>0.00</u>
	Total		542,166					0.00	0.00
									<u>19 635 577.00</u>
									<u>128 364 768 389.90</u>
									<u>0.00</u>
Option									
Aug 2018	DAYJ	8.07 Put	13,000	429.0476	348.1993	0.0000	0.0000	0	0.00
Aug 2018	DAYJ	8.27 Call	13,000	1060.6423	1488.8581	0.0000	0.0000	0	0.00
Aug 2018	DAYJ	8.35 Call	20,000	710.5650	1025.8703	0.0000	0.0000	0	0.00
Sep 2018	DAYJ	8.26 Call	25,000	1401.9239	1798.3054	0.0000	0.0000	0	0.00
			<u>71,000</u>					<u>0.00</u>	<u>0.00</u>
	Total		71,000					0.00	0.00
									<u>50 000.00</u>
									<u>0.00</u>
Future									

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME		
Sep 2018	EUUS	Future	210	1.1634	1.1624	0.0000	0.0000	0	0.00			
			210					0.00	0.00	729 594.00	8 272 094 817.00	
		Total	210					0.00	0.00	729 594.00	8 272 094 817.00	
Future												
Sep 2018	GBUS	Future	14	1.2899	1.2969	0.0000	0.0000	0	0.00			
			14					0.00	0.00	167 353.00	2 152 976 011.00	
		Total	14					0.00	0.00	167 353.00	2 152 976 011.00	
Future												
Sep 2018	ZAAD	Future	11,762	9.9818	9.9339	0.0000	0.0000	425	4,251,190.00			
Dec 2018	ZAAD	Future	11,822	10.0976	10.0494	10.1010	10.0737	402	4,049,807.00			
Mar 2019	ZAAD	Future	510	10.2264	10.1768	10.1974	10.1974	100	1,019,740.00			
Jun 2019	ZAAD	Future	4,929	10.3507	10.3001	0.0000	0.0000	0	0.00			
			29,023					927.00	9,320,737.00	3 688 042.00	32 034 144 490.50	
		Total	29,023					927.00	9,320,737.00	3 720 419.00	32 034 144 490.50	
Future												
Dec 2018	ZACA	Future	590	10.4345	10.4098	0.0000	0.0000	0	0.00			
			590					0.00	0.00	137 623.00	1 354 709 052.10	
		Total	590					0.00	0.00	137 623.00	1 354 709 052.10	
Future												
Sep 2018	ZADK	Future	245	2.1048	2.0918	0.0000	0.0000	0	0.00			
		Dec 2018	ZADK	Future	235	2.1452	2.1321	0.0000	0.0000	0	0.00	
				480					0.00	0.00	12 085.00	259 978 669.00
		Total	480					0.00	0.00	12 085.00	259 978 669.00	
Future												
Sep 2018	ZAEU	Future	130,818	15.6483	15.5494	15.7000	15.5562	13	202,949.60			
Dec 2018	ZAEU	Future	35,433	15.9348	15.8342	0.0000	0.0000	0	0.00			
Mar 2019	ZAEU	Future	4,686	16.2588	16.1541	0.0000	0.0000	0	0.00			
Jun 2019	ZAEU	Future	5,256	16.5670	16.4602	0.0000	0.0000	0	0.00			
			176,193					13.00	202,949.60	15 138 555.00	216 356 770 809.80	
Option												
Sep 2018	ZAEU	13.50 Put	29,734	1.3606	1.8287	0.0000	0.0000	0	0.00			
Sep 2018	ZAEU	14.25 Put	57,090	9.7317	12.0570	0.0000	0.0000	0	0.00			
Sep 2018	ZAEU	15.85 Put	86,824	408.8187	479.8448	0.0000	0.0000	0	0.00			
Sep 2018	ZAEU	16.76 Call	29,734	41.2996	35.7443	0.0000	0.0000	0	0.00			
Sep 2018	ZAEU	19.56 Call	86,824	1.5188	1.7550	0.0000	0.0000	0	0.00			
Mar 2019	ZAEU	16.00 Call	650	846.8848	795.7279	0.0000	0.0000	0	0.00			

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			290,856					0.00	0.00	8 025 012.00	0.00
		Total	467,049					13.00	202,949.60	23 163 567.00	216 356 770 809.80
Future											
Sep 2018	ZAFR	Future	1,975	13.5658	13.4898	0.0000	0.0000	0	0.00		
Dec 2018	ZAFR	Future	650	13.8267	13.7493	0.0000	0.0000	0	0.00		
Jun 2019	ZAFR	Future	150	14.4057	14.3223	0.0000	0.0000	0	0.00		
			2,775					0.00	0.00	616 325.00	6 602 585 530.30
		Total	2,775					0.00	0.00	616 325.00	6 602 585 530.30
Future											
Sep 2018	ZAGB	Future	200,469	17.3493	17.3487	17.4135	17.3700	400	6,951,701.00		
Dec 2018	ZAGB	Future	14,284	17.6142	17.6141	17.6396	17.6350	7	123,468.00		
Mar 2019	ZAGB	Future	4,932	17.9125	17.9091	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	6,156	18.1909	18.1876	0.0000	0.0000	0	0.00		
Sep 2019	ZAGB	Future	4,645	18.5016	18.4954	0.0000	0.0000	0	0.00		
			230,486					407.00	7,075,169.00	11 976 628.00	201 703 854 336.80
		Total	230,486					407.00	7,075,169.00	13 750 741.00	201 703 854 336.80
Future											
Sep 2018	ZAJY	Future	115	0.1215	0.1206	0.0000	0.0000	0	0.00		
			115					0.00	0.00	994 149.00	11 092 203 963.90
		Total	115					0.00	0.00	994 149.00	11 092 203 963.90
Future											
Sep 2018	ZAKS	Future	562	0.1330	0.1323	0.0000	0.0000	0	0.00		
Jun 2019	ZAKS	Future	1,093	0.1308	0.1302	0.0000	0.0000	0	0.00		
			1,655					0.00	0.00	35 358.00	476 333 960.00
		Total	1,655					0.00	0.00	35 358.00	476 333 960.00
Future											
Sep 2018	ZATR	Future	5,270	2.4988	2.4996	0.0000	0.0000	5,270	13,117,030.00		
			5,270					5,270.00	13,117,030.00	312 699.00	1 070 462 245.00
		Total	5,270					5,270.00	13,117,030.00	312 699.00	1 070 462 245.00
Future											
Sep 2018	ZAUM	Future	355	13.4502	13.3772	0.0000	0.0000	0	0.00		
Dec 2018	ZAUM	Future	20	13.6016	13.5278	0.0000	0.0000	0	0.00		
Mar 2019	ZAUM	Future	5	13.7641	13.6884	0.0000	0.0000	0	0.00		
			380					0.00	0.00	152 156.00	175 565 454 520.00
		Total	380					0.00	0.00	156 679.00	175 565 454 520.00

<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>	
Future										
Sep 2018	ZAUS	Future	473,397	13.4502	13.3772	13.5350	13.3300	54,100	727,543,395.70	
Dec 2018	ZAUS	Future	63,994	13.6016	13.5278	13.5680	13.5601	3,290	44,890,789.00	
Mar 2019	ZAUS	Future	7,820	13.7641	13.6884	13.8501	13.8501	50	692,505.00	
Jun 2019	ZAUS	Future	15,910	13.9162	13.8391	0.0000	0.0000	0	0.00	
			<u>561,121</u>					<u>57,440.00</u>	<u>773,126,689.70</u>	<u>180 003 063.00</u> <u>2 133 525 274 829.40</u>
Option										
Sep 2018	ZAUS	11.48 Put	5,200	0.8653	1.0413	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.50 Put	45,000	0.9187	1.1009	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.60 Put	2,000	1.2391	1.4548	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.75 Put	93,314	1.9371	2.2127	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.85 Put	48,200	2.6059	2.9285	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	11.90 Put	3,000	3.0209	3.3699	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.00 Put	13,300	4.0557	4.4633	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.25 Call	500	1209.1330	1137.6135	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.25 Put	40,000	8.9330	10.4135	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.30 Put	100	10.4993	12.3417	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.38 Put	60,000	13.5390	16.1023	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.50 Call	4,600	969.8288	900.8690	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.50 Put	44,000	19.6288	23.6690	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.58 Put	8,000	24.9699	30.3149	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.61 Put	13,231	27.2885	33.1980	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.65 Put	1,550	30.6791	37.4112	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.77 Call	5,200	723.4060	660.7735	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.80 Call	50	697.1667	636.4723	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.80 Put	500	46.9667	59.2723	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	12.85 Put	750	55.7154	69.7392	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.00 Call	7,500	539.4308	486.2339	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.00 Put	72,000	89.2308	109.0339	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.10 Put	2,500	118.2501	142.3436	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.20 Call	4,000	403.2719	358.8832	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.20 Put	4,000	153.0719	181.6832	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.22 Put	10,000	160.7553	190.2874	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.25 Call	1,250	372.9383	330.8556	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.25 Put	74,064	172.7383	203.6556	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.30 Call	500	344.1316	304.3645	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.50 Call	2,000	245.6238	216.3726	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.60 Call	26,000	207.3857	182.2401	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.60 Put	4,000	357.1857	405.0401	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.65 Call	1,464	190.2872	167.0513	0.0000	0.0000	0	0.00	
Sep 2018	ZAUS	13.66 Call	100	187.0217	164.1541	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	14.00 Call	60,000	102.1698	89.5032	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.00 Put	1,500	651.9698	712.3032	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.20 Call	500	70.6573	61.8335	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	14.70 Call	63,000	27.5081	24.2976	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.00 Call	4,000	14.8510	13.0049	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	1.7684	1.5878	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	1.5168	1.3654	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	1.2188	1.1962	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	1.1817	1.1876	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	21.0037	23.1553	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	230,784	24.9788	27.6117	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.90 Put	11,300	31.5696	35.0085	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.00 Put	174,530	36.8505	40.9391	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.02 Put	5,500	38.0024	42.2337	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.10 Put	8,580	42.9619	47.8068	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.20 Put	7,300	50.0247	55.7424	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.25 Put	3,300	53.9745	62.2257	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	71.6065	81.8207	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	230,784	1193.0415	1131.4838	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	26,500	91.4415	103.6838	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	117.2023	131.8623	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.68 Put	10,000	128.3782	144.0244	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.75 Put	1,000	145.2691	162.3463	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.95 Put	500	202.8115	0.0000	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	13.00 Call	7,000	821.5168	771.6173	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Put	175,030	219.9168	243.8173	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.10 Put	11,300	256.7719	283.3378	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	698.7647	654.2354	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.22 Put	5,500	305.6687	335.4785	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	670.2880	627.1143	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Put	37,800	318.6880	349.3143	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.45 Call	500	565.1284	527.3380	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	13.45 Put	4,080	413.5284	449.5380	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	230,784	540.9854	504.5171	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Put	26,300	439.3854	476.7171	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.70 Put	7,300	552.9979	596.2650	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.71 Put	30	559.1114	602.6140	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.78 Call	100	424.3583	395.6799	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.79 Put	10,000	609.1142	654.4620	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	3,264	417.0996	388.8724	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	366.2997	341.3105	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	21,010	350.7319	326.7619	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.13 Call	20,000	313.2311	291.7641	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.33 Call	100	263.2501	245.1706	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.35 Call	500	258.7429	0.0000	0.0000	0.0000	500	0.00
Dec 2018	ZAUS	14.38 Call	30	252.1298	234.7621	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.44 Call	11,300	239.4301	222.8765	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.60 Call	18,900	208.7307	194.1781	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.61 Call	1,500	206.9544	192.5220	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.62 Call	5,500	205.1968	190.8785	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.70 Call	20,000	191.6875	178.2643	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.75 Call	127,100	183.7301	170.8380	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.84 Call	1,000	170.2958	158.3032	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	100	148.5891	137.6529	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.01 Call	10,000	147.2817	136.4305	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.09 Call	500	137.2357	127.0621	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.15 Call	27,030	130.1749	120.4781	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.48 Call	29,600	97.6275	90.1782	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.70 Call	11,380	80.8545	74.5900	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	6.0088	6.1652	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	47.3390	52.5604	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	80.0832	88.9692	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.47 Put	721	146.8671	163.0781	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	807.5692	767.8272	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.46 Put	20,000	498.4834	534.6462	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.75 Put	17,981	655.2361	697.5441	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.86 Put	721	721.1852	765.5026	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.30 Call	500	476.0806	451.8965	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	426.2670	404.8629	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.96 Call	17,981	321.0413	305.0189	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.45 Call	20,000	239.1617	225.7674	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.54 Call	721	226.3364	213.5972	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	10.5853	9.7200	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	150.4909	164.3041	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.75 Put	1,000	273.4244	295.7762	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.98 Put	911	349.0183	374.9585	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.24 Put	30,000	450.0014	481.6968	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.83 Put	25,000	752.0406	793.8485	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.88 Put	12,450	781.1533	823.8179	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	13.98 Call	250	777.2434	744.4353	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.42 Call	30	623.4291	0.0000	0.0000	0.0000	30	0.00
Jun 2019	ZAUS	14.58 Call	1,000	575.7584	551.5671	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.82 Call	30,000	512.7823	491.3294	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	15.55 Call	25,000	362.3833	346.4491	0.0000	0.0000	0	0.00

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Jun 2019	ZAUS	15.62 Call	12,450	350.3090	334.8402	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.80 Call	1,000	321.2933	306.9503	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	15.92 Call	911	303.4698	289.8282	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	10.75 Put	1,000	16.0905	16.3635	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	12.50 Put	1,000	238.6554	264.0445	0.0000	0.0000	0	0.00	
Sep 2019	ZAUS	15.87 Call	1,000	458.8914	440.2314	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	167.3645	155.4932	0.0000	0.0000	0	0.00	
			<u>2,717,951</u>					<u>1,530.00</u>	<u>0.00</u>	<u>51 332 832.00</u>
	Total		3,279,072					58,970.00	773,126,689.70	231 335 895.00
										2 133 525 274 829.40

Grand Total			4,680,333					65,587.00	802 842 575.30	316,622,343	2,974,376,430,674.12
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