



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 15-May-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
May 2018	DAEU	Future	41	14.9544	14.7210	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	34	15.1257	14.7073	0.0000	0.0000	34	500,048.20
			<u>75</u>					<u>34.00</u>	<u>500,048.20</u>
		Total	75					34.00	500,048.20
									790 933.00
									11 805 104 237.30
Future									
May 2018	DAGB	Future	0	17.0000	16.7028	0.0000	0.0000	11	187,000.00
			<u>0</u>					<u>11.00</u>	<u>187,000.00</u>
		Total	0					11.00	187,000.00
									53 755.00
									881 952 055.30
Future									
May 2018	DAUS	Future	0	12.6350	12.2866	0.0000	0.0000	1,000	12,635,000.00
May 2018	DAUS	Future	30,000	12.5980	12.2934	0.0000	0.0000	30,000	370,711,000.00
May 2018	DAUS	Future	34,600	12.5997	12.2951	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	20,000	12.6048	12.3001	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	40,000	12.6117	12.3067	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	270	12.6152	12.3100	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,746	12.6289	12.3232	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	20	12.3509	12.3509	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	9,546	12.6495	12.3429	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	2,085	12.6647	12.3573	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	12.6698	12.3621	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	12.7001	12.3907	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	12.7067	12.3970	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	12.7084	12.3986	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,345	12.7117	12.4017	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,015	12.7183	12.4080	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	12.7398	12.4285	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	2,879	12.7691	12.4565	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	177	12.4777	12.4777	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	DAUS	Future	1,295	12.8145	12.5001	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	70	12.8582	12.5422	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	225	12.8647	12.5484	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	Future	1,643	12.8679	12.5515	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	70	12.8890	12.5718	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	Future	2,812	12.9163	12.5976	0.0000	0.0000	1,600	20,372,480.00		
Jan 2019	DAUS	Future	1,225	13.0155	12.6915	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	13.0363	12.7112	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	1,225	13.0598	12.7336	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	13.1017	12.7736	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,225	13.1544	12.8239	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	13.8616	13.5445	0.0000	0.0000	0	0.00		
			<u>245,497</u>					<u>32,600.00</u>	<u>403,718,480.00</u>	<u>9 918 265.00</u>	<u>120 416 238 286.30</u>

Option

May 2018	DAUS	12.00 Put	51,000	0.3579	7.4662	0.0000	0.0000	0	0.00
May 2018	DAUS	11.95 Call	30,000	649.7706	354.0569	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Call	30,000	603.3370	313.0870	0.0000	0.0000	0	0.00
May 2018	DAUS	12.37 Call	30,000	278.0139	86.9457	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	80,000	123.2951	29.5770	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	40,000	136.8814	37.3360	0.0000	0.0000	0	0.00
May 2018	DAUS	12.45 Call	40,000	235.9284	77.3831	0.0000	0.0000	0	0.00
May 2018	DAUS	12.46 Call	30,000	229.0441	74.3771	0.0000	0.0000	0	0.00
May 2018	DAUS	12.24 Put	118	32.8276	109.9196	0.0000	0.0000	0	0.00
May 2018	DAUS	12.55 Call	118	185.2088	62.1201	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Put	270	142.5740	341.5093	0.0000	0.0000	0	0.00
May 2018	DAUS	12.69 Call	270	119.7147	36.4105	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Call	118	98.7612	28.7185	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1187.3312	1490.6516	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.0918	0.1159	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	0.1356	0.2070	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	123.5565	45.9018	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1166.4237	1454.3100	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	1.4017	1.1604	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	1.4153	1.1331	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	21.8608	46.0098	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	181.6872	326.8656	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	121.5256	56.1965	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	56.9132	122.0506	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	57.9599	25.3668	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	46.0137	19.0097	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1765.5192	2061.6537	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	3.6242	2.4461	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Jul 2018	DAUS	13.80 Put	1,000	1160.3850	1431.0267	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	4.9799	2.9865	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	3.4291	1.7792	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	165.8137	271.7639	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1213.2527	1484.0363	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	4.5231	2.1236	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	1161.0784	1419.7928	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	9.2227	3.9190	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	4.6833	1.6203	0.0000	0.0000	0	0.00
Sep 2018	DAUS	13.80 Put	1,000	1163.1631	1411.7019	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.25 Call	500	11.5416	4.4284	0.0000	0.0000	0	0.00
Sep 2018	DAUS	16.80 Call	500	4.9913	1.7441	0.0000	0.0000	0	0.00
Oct 2018	DAUS	13.80 Put	1,000	1165.8072	1404.0971	0.0000	0.0000	0	0.00
Oct 2018	DAUS	16.47 Call	500	28.4682	14.1198	0.0000	0.0000	0	0.00
Oct 2018	DAUS	17.02 Call	500	17.2020	7.1294	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.90 Put	1,880	123.2999	181.4213	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.86 Put	1,880	1214.3794	1454.1491	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.81 Call	1,880	23.2101	10.7432	0.0000	0.0000	0	0.00
Nov 2018	DAUS	10.83 Put	51,000	20.9897	26.8267	0.0000	0.0000	0	0.00
Nov 2018	DAUS	11.67 Put	51,000	84.2078	125.9465	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.22 Call	51,000	410.9566	286.3309	0.0000	0.0000	0	0.00
Nov 2018	DAUS	13.80 Put	1,000	1168.2867	1399.3273	0.0000	0.0000	0	0.00
Nov 2018	DAUS	16.70 Call	500	40.3175	21.5867	0.0000	0.0000	0	0.00
Nov 2018	DAUS	17.31 Call	500	23.0378	11.2559	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.65 Put	20,000	1053.0753	1272.9721	0.0000	0.0000	0	0.00
Dec 2018	DAUS	15.69 Call	20,000	79.2530	52.7539	0.0000	0.0000	0	0.00
Dec 2018	DAUS	13.80 Put	1,000	1169.1741	1395.0748	0.0000	0.0000	0	0.00
Dec 2018	DAUS	16.93 Call	500	49.7290	27.5899	0.0000	0.0000	0	0.00
Dec 2018	DAUS	17.58 Call	500	28.4056	14.7854	0.0000	0.0000	0	0.00
			<u>566,920</u>					<u>0.00</u>	<u>0.00</u>
		Total	812,417					32,600.00	403,718,480.00
								28 616 864.00	120 416 238 286.30
Future									
Jun 2018	EUUS	Future	2,508	1.1889	1.1993	0.0000	0.0000	0	0.00
			<u>2,508</u>					<u>0.00</u>	<u>0.00</u>
		Total	2,508					0.00	0.00
								706 556.00	8 002 495 602.00
Future									
Sep 2018	JYZA	Future	283	8.5475	8.7009	0.0000	0.0000	0	0.00
			<u>283</u>					<u>0.00</u>	<u>0.00</u>
								18 783.00	186 145 988.86
Option									
Jun 2018	JYZA	8.89 Put	1,200	2592.3575	1914.1699	0.0000	0.0000	0	0.00

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Sep 2018	JYZA	8.17 Put	50,000	1817.4532	1682.2975	0.0000	0.0000	0	0.00	
			<u>51,200</u>					0.00	0.00	75 800.00
		Total	51,483					0.00	0.00	94 583.00
										186 145 988.86
Future										
Jun 2018	ZAAD	Future	12,585	9.4471	9.3190	0.0000	0.0000	20	188,940.00	
Sep 2018	ZAAD	Future	800	9.5666	9.4341	0.0000	0.0000	0	0.00	
Dec 2018	ZAAD	Future	11,412	9.6830	9.5465	0.0000	0.0000	0	0.00	
			<u>24,797</u>					20.00	188,940.00	3 619 689.00
		Total	24,797					20.00	188,940.00	3 652 066.00
										31 350 156 610.90
Future										
Jun 2018	ZACA	Future	1,850	9.8187	9.6708	0.0000	0.0000	0	0.00	
			<u>1,850</u>					0.00	0.00	131 593.00
		Total	1,850					0.00	0.00	131 593.00
										1 292 774 717.10
Future										
Jun 2018	ZAEU	Future	111,327	15.0346	14.7989	15.0599	14.8703	3,089	46,047,682.20	
Sep 2018	ZAEU	Future	61,407	15.3209	15.0752	0.0000	0.0000	432	6,568,387.20	
Dec 2018	ZAEU	Future	7,625	15.6034	15.3477	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	Future	4,686	15.9183	15.6511	0.0000	0.0000	0	0.00	
Jun 2019	ZAEU	Future	5,256	16.1904	15.9179	0.0000	0.0000	0	0.00	
			<u>190,301</u>					3,521.00	52,616,069.40	14 540 051.00
										207 047 590 627.50
Option										
Jun 2018	ZAEU	13.50 Put	29,734	5.1182	4.7871	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.75 Put	50,948	8.0647	7.7071	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.97 Put	6,460	11.7444	12.3096	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.25 Put	29,734	20.0641	39.0215	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.30 Call	10,000	756.8488	547.0378	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.40 Call	10,000	669.5228	469.7239	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.00 Call	3,000	266.0547	152.3868	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.25 Put	50,948	382.7757	539.3058	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.63 Call	29,734	78.1997	36.5576	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.00 Call	3,000	35.4255	15.2116	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.44 Put	6,460	1418.6958	1646.7845	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	6,460	1.0223	0.4081	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	50,948	0.1338	0.0147	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	13.50 Put	29,734	17.5152	20.3556	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	86,688	85.2288	120.1007	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	828.8648	987.9763	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	129.9486	84.6959	0.0000	0.0000	0	0.00	

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Sep 2018	ZAEU	19.56 Call	86,824	17.6420	10.7176	0.0000	0.0000	0	0.00	
			607,230					0.00	0.00	7 919 774.00
		Total	797,531					3,521.00	52,616,069.40	22 459 825.00
										207 047 590 627.50
Future										
Jun 2018	ZAFR	Future	1,215	12.6556	12.3940	0.0000	0.0000	0	0.00	
			1,215					0.00	0.00	609 303.00
		Total	1,215					0.00	0.00	609 303.00
										6 506 705 521.30
Future										
Jun 2018	ZAGB	Future	428,549	17.0913	16.7973	17.1098	16.8821	2,855	48,681,763.00	
Sep 2018	ZAGB	Future	18,594	17.3703	17.0659	0.0000	0.0000	0	0.00	
Dec 2018	ZAGB	Future	7,517	17.6397	17.3249	0.0000	0.0000	0	0.00	
Mar 2019	ZAGB	Future	4,932	17.9338	17.6064	0.0000	0.0000	0	0.00	
Jun 2019	ZAGB	Future	5,465	18.2038	17.8701	0.0000	0.0000	0	0.00	
			465,057					2,855.00	48,681,763.00	10 789 172.00
										180 712 173 738.70
Option										
Jun 2018	ZAGB	17.50 Put	500	564.6525	783.8407	0.0000	0.0000	0	0.00	
Jun 2018	ZAGB	20.40 Call	500	1.2648	0.8553	0.0000	0.0000	0	0.00	
			1,000					0.00	0.00	1 774 113.00
		Total	466,057					2,855.00	48,681,763.00	12 563 285.00
										180 712 173 738.70
Future										
Jun 2018	ZAJY	Future	8,296	0.1149	0.1129	0.0000	0.0000	6,493	74,794,814.90	
			8,296					6,493.00	74,794,814.90	985 278.00
		Total	8,296					6,493.00	74,794,814.90	10 983 324 643.00
										10 983 324 643.00
Future										
Jun 2018	ZAKS	Future	1,145	0.1254	0.1223	0.0000	0.0000	0	0.00	
Sep 2018	ZAKS	Future	562	0.1250	0.1215	0.0000	0.0000	0	0.00	
			1,707					0.00	0.00	31 923.00
		Total	1,707					0.00	0.00	31 923.00
										432 652 210.00
Future										
Jun 2018	ZATR	Future	3,940	2.8064	2.8235	0.0000	0.0000	0	0.00	
			3,940					0.00	0.00	258 929.00
		Total	3,940					0.00	0.00	258 929.00
										923 231 285.50
Future										
Jun 2018	ZAUM	Future	427	12.6462	12.3398	0.0000	0.0000	1,000	1,255,810,000.00	
Sep 2018	ZAUM	Future	47	12.7966	12.4830	0.0000	0.0000	0	0.00	

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Dec 2018	ZAUM	Future	10	12.9387	12.6188	0.0000	0.0000	0	0.00	
			484					1,000.00	1,255,810,000.00	
		Total	484					1,000.00	1,255,810,000.00	
									150 742.00	
									173 677 655 420.00	
									155 265.00	
									173 677 655 420.00	
Future										
Jun 2018	ZAUS	Future	1,126,541	12.6462	12.3398	12.7000	12.4231	153,416	1,919,240,369.10	
Sep 2018	ZAUS	Future	89,623	12.7966	12.4830	12.8437	12.5781	3,526	44,478,830.40	
Dec 2018	ZAUS	Future	24,812	12.9387	12.6188	12.9035	12.7525	288	3,674,170.50	
Mar 2019	ZAUS	Future	4,948	13.0877	12.7602	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	Future	3,087	13.2220	12.8923	0.0000	0.0000	0	0.00	
			1,249,011					157,230.00	1,967,393,370.00	
									173 101 392.00	
									2 041 390 407 324.20	
Option										
Jun 2018	ZAUS	11.00 Put	60,750	0.9755	1.9026	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.20 Put	2,550	2.0003	3.8275	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.35 Call	10,000	1299.5975	996.0161	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.45 Call	10,000	1200.8825	898.4115	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.50 Put	40,216	5.4216	10.1420	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.60 Put	12,000	7.2805	14.0815	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.75 Put	60,000	11.3741	23.0670	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.77 Put	76,000	12.0748	25.5240	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.80 Put	5,500	13.2094	29.5816	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	11.90 Put	9,500	17.8332	46.6908	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.00 Call	3,000	670.3034	409.9066	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.00 Put	38,700	24.1034	70.1066	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.06 Put	150	31.8051	87.5510	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.12 Put	372	41.2504	107.7157	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.14 Put	155,500	44.8224	115.0593	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.15 Call	500	542.8919	308.6486	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.15 Put	1,000	46.6919	118.8486	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.20 Call	40,000	503.1057	0.0000	0.0000	0.0000	40,000	0.00	
Jun 2018	ZAUS	12.23 Call	3,000	479.9597	261.8299	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.25 Call	40,000	464.8425	250.9232	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.25 Put	12,415	68.6425	161.1232	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.30 Call	4,000	428.1927	225.0501	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.30 Put	24,500	81.9927	185.2501	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.40 Put	15,103	113.8284	240.5298	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.45 Call	150	328.6240	161.3531	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.50 Call	6,550	299.0492	144.1165	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.50 Put	115,480	152.8492	304.3165	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.55 Call	80,000	271.3166	0.0000	0.0000	0.0000	80,000	0.00	
Jun 2018	ZAUS	12.75 Put	66	284.6113	490.3985	0.0000	0.0000	0	0.00	
Jun 2018	ZAUS	12.96 Put	2,700	429.8280	668.3007	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>
Jun 2018	ZAUS	13.00 Call	15,500	106.3817	43.3349	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	21,228	460.1817	703.5349	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	499.1659	748.1993	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	596.9390	857.8232	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	622.2073	885.6887	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	708.4796	979.6664	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	48.6024	17.0002	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	851.2166	1132.8044	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	869.4683	1152.1357	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	887.7992	1171.5022	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1018.0683	1307.9577	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1122.3953	1416.0466	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1170.2730	1465.3466	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1179.8786	1475.2173	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1199.1177	1494.9690	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1208.7506	1504.8496	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1266.7274	1564.1963	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	10.1254	3.1128	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1363.9254	1663.3128	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1461.7351	1762.6330	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1609.3160	1911.8930	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	2.8259	0.8820	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	1.8553	0.5907	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	1.4740	0.4856	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	0.7526	0.4881	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	0.7048	0.4891	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	0.6209	0.4923	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	0.6319	0.4964	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.6518	0.5046	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.6635	0.5098	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	0.6688	0.5123	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	0.7197	0.5371	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	0.8080	0.4354	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	0.8694	0.2529	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.8783	0.2346	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.8155	0.1918	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.7632	0.1777	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.5712	0.1275	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.3091	0.0631	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.2568	0.0511	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.1569	0.0291	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.1045	0.0183	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	11.48 Put	5,200	31.3835	54.3900	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	32.4408	57.3606	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	42.9393	74.0660	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	63.3263	105.4251	0.0000	0.0000	10,000	0.00
Sep 2018	ZAUS	11.85 Put	48,200	80.4391	130.9330	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	90.1551	145.1529	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	112.0668	178.2204	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	730.3464	513.0179	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	201.3556	303.6494	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	231.6399	343.6846	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	578.5450	391.7312	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	24,000	281.9450	408.7312	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	318.7169	0.0000	0.0000	0.0000	8,000	0.00
Sep 2018	ZAUS	12.61 Put	13,231	333.1664	475.6195	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	352.9841	501.0732	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	442.7712	293.8433	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	429.4241	284.5451	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	462.2498	636.6845	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	20,000	352.4617	229.5865	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	288.6907	185.1951	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	274.5963	175.4197	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	727.9963	942.4197	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	261.1845	166.1755	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	213.7361	133.9898	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	183.8441	114.2207	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	14.4160	6.0352	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	13.0818	5.3992	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	11.3764	4.6001	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	9.2079	3.5990	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	92.6494	134.4869	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	297.4407	405.8320	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	150	787.1266	586.6334	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	100	348.4266	467.8334	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	408.8354	540.5550	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	548.0497	397.1729	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	474.1660	340.1218	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	2,764	308.1433	216.8327	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	277.4372	193.1153	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	1,000	130.7507	86.0523	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.95 Call	2,000	70.4544	47.1569	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	9.6986	14.2242	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	152.1918	206.2156	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 2019	ZAUS	12.06 Put	4,145	235.9670	310.3261	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	12.76 Put	250	517.0161	654.1889	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	13.45 Call	4,145	564.4969	427.0723	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	14.48 Call	1,000	316.4179	230.2779	0.0000	0.0000	0	0.00		
Mar 2019	ZAUS	15.20 Call	1,000	209.6411	149.4634	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	10.69 Put	1,000	20.2153	36.4044	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	12.28 Put	1,000	350.5120	438.7463	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	14.58 Call	1,000	420.1176	321.3693	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	98.9945	67.8325	0.0000	0.0000	0	0.00		
			<u>2,142,824</u>					<u>138,000.00</u>	<u>0.00</u>	<u>48 122 704.00</u>	<u>0.00</u>
	Total		<u>3,391,835</u>					<u>295,230.00</u>	<u>1,967,393,370.00</u>	<u>221 224 096.00</u>	<u>2 041 390 407 324.20</u>

Grand Total	<u>5,564,195</u>		<u>341,764.00</u>	<u>3 803 890 485.50</u>	<u>302,502,840</u>	<u>2,840,487,783,749.78</u>
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