



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 30-May-2018

<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									
Jul 2018	DAEU	Future	34	14.7342	14.7146	0.0000	0.0000	0	0.00
			34					0.00	0.00
		Total	34					0.00	0.00
									790 974.00
									11 805 710 627.30
									1 737 761.00
									11 805 710 627.30
Future									
May 2018	DAUS	Future	270	12.5711	12.6054	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,746	12.5813	12.6174	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	5,947	12.6013	12.6375	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	3,981	12.6163	12.6526	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	12.6213	12.6577	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	12.6512	12.6880	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	12.6579	12.6947	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	12.6595	12.6964	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,345	12.6629	12.6998	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,515	12.6695	12.7065	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	12.6911	12.7280	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,479	12.7209	12.7579	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	177	12.4777	12.4777	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	2,695	12.7667	12.8041	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	12.8108	12.8486	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	12.8173	12.8552	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,113	12.8206	12.8585	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	12.8418	12.8799	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	2,812	12.8696	12.9080	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	1,580	12.9199	12.9585	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	12.9703	13.0089	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	12.9914	13.0301	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	1,225	13.0158	13.0545	0.0000	0.0000	0	0.00
Mar 2019	DAUS	Future	4,414	13.0599	13.0991	0.0000	0.0000	0	0.00

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Apr 2019	DAUS	Future	1,225	13.1154	13.1553	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	13.8264	13.8636	0.0000	0.0000	0	0.00
			<u>124,744</u>					<u>0.00</u>	<u>0.00</u>
									<u>10 136 900.00</u>
									<u>123 153 792 497.90</u>
Option									
May 2018	DAUS	12.24 Put	118	1.0465	2.3230	0.0000	0.0000	0	0.00
May 2018	DAUS	12.55 Call	118	59.3834	97.6765	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Put	270	66.1391	61.7696	0.0000	0.0000	0	0.00
May 2018	DAUS	12.69 Call	270	14.4782	36.0905	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Call	118	7.3133	23.4793	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1228.9127	1194.6191	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.0000	0.0308	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	0.0000	0.0822	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	52.5482	65.6239	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.22 Put	500	65.0256	58.5956	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.44 Put	109	136.9387	125.3072	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.45 Put	635	141.0563	129.1618	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.47 Put	158	149.5166	137.0947	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.52 Call	109	268.2879	290.8298	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.55 Call	500	252.6723	274.4028	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.56 Call	635	247.6169	269.0745	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.62 Call	158	219.3183	238.6580	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.85 Call	500	137.2978	150.1555	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1200.5146	1166.2023	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	0.7155	0.6677	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	0.8298	0.7848	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	13.8546	13.6671	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	168.0904	154.8653	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	84.5875	92.7551	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	44.7602	40.5885	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	37.6842	41.5647	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	29.0480	32.1204	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1806.6661	1771.6735	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	2.3265	2.3960	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1191.9623	1160.0995	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	3.2133	3.4426	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	2.4074	2.3297	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	162.8275	152.7680	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1246.1369	1214.3570	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	2.9398	3.0217	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.80 Put	1,000	1192.7322	1162.5069	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.05 Call	500	6.7119	7.5402	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.57 Call	500	3.0086	3.4763	0.0000	0.0000	0	0.00

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Sep 2018	DAUS	13.80 Put	1,000	1195.7326	1166.3348	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	9.2519	11.9029	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	3.7575	5.4433	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	1199.6305	1170.8892	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	27.4193	29.5566	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	16.2781	18.2027	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.90 Put	1,880	127.1175	121.4383	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.86 Put	1,880	1248.9356	1220.0183	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.81 Call	1,880	22.5060	25.2662	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	10.83 Put	51,000	20.3934	20.1489	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.67 Put	51,000	86.7139	82.9463	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.22 Call	51,000	391.2115	406.4099	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	1203.0120	1174.7870	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	40.2179	41.5659	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	22.5613	23.9371	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.65 Put	20,000	1087.2748	1060.4418	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	15.69 Call	20,000	77.8783	80.3509	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	1206.1337	1178.3602	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	49.7979	53.1543	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	28.6184	30.7628	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	2,500	690.6501	673.1120	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	623.4495	640.7368	0.0000	0.0000	0	0.00		
			<u>244,224</u>					<u>0.00</u>	<u>0.00</u>	<u>18 724 403.00</u>	<u>0.00</u>
Total			368,968					0.00	0.00	28 861 303.00	123 153 792 497.90
Future											
Jun 2018	EUUS	Future	280	1.1625	1.1577	0.0000	0.0000	0	0.00		
			<u>280</u>					<u>0.00</u>	<u>0.00</u>	<u>709 146.00</u>	<u>8 033 145 032.00</u>
Total			280					0.00	0.00	709 146.00	8 033 145 032.00
Future											
Sep 2018	JYZA	Future	283	8.4763	8.4488	0.0000	0.0000	0	0.00		
			<u>283</u>					<u>0.00</u>	<u>0.00</u>	<u>18 783.00</u>	<u>186 145 988.86</u>
Option											
Jun 2018	JYZA	8.79 Call	50,000	589.2517	532.7010	0.0000	0.0000	0	0.00		
Jun 2018	JYZA	8.89 Put	1,200	2895.6249	3131.1664	0.0000	0.0000	0	0.00		
Sep 2018	JYZA	8.17 Put	50,000	1905.4273	2006.5784	0.0000	0.0000	0	0.00		
			<u>101,200</u>					<u>0.00</u>	<u>0.00</u>	<u>175 800.00</u>	<u>0.00</u>
Total			101,483					0.00	0.00	194 583.00	186 145 988.86

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Jun 2018	ZAAD	Future	15,640	9.5171	9.5033	9.5200	9.4942	502	4,772,806.10	
Sep 2018	ZAAD	Future	800	9.6366	9.6236	0.0000	0.0000	0	0.00	
Dec 2018	ZAAD	Future	11,412	9.7523	9.7406	0.0000	0.0000	0	0.00	
			<u>27,852</u>					<u>502.00</u>	<u>4,772,806.10</u>	<u>3 628 646.00</u>
		Total	27,852					502.00	4,772,806.10	3 661 023.00
Future										
Jun 2018	ZACA	Future	2,080	9.7865	9.7116	0.0000	0.0000	0	0.00	
			<u>2,080</u>					<u>0.00</u>	<u>0.00</u>	<u>132 343.00</u>
		Total	2,080					0.00	0.00	132 343.00
Future										
Jun 2018	ZAEU	Future	112,443	14.6454	14.6265	14.6797	14.6358	6,179	90,606,557.60	
Sep 2018	ZAEU	Future	60,742	14.9277	14.9092	14.9646	14.9646	40	598,584.00	
Dec 2018	ZAEU	Future	8,375	15.2055	15.1865	0.0000	0.0000	0	0.00	
Mar 2019	ZAEU	Future	4,808	15.5106	15.4958	0.0000	0.0000	0	0.00	
Jun 2019	ZAEU	Future	5,256	15.7890	15.7754	0.0000	0.0000	0	0.00	
			<u>191,624</u>					<u>6,219.00</u>	<u>91,205,141.60</u>	<u>14 602 750.00</u>
										<u>207 975 088 696.80</u>
Option										
Jun 2018	ZAEU	13.50 Put	29,734	2.7589	3.4895	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.75 Put	50,948	5.3730	6.3483	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	13.97 Put	6,460	12.3670	14.0804	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.25 Put	29,734	47.6896	53.5425	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.30 Call	10,000	403.8958	391.8937	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	14.40 Call	10,000	330.8021	321.0832	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.00 Call	3,000	73.1974	73.0427	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.25 Put	50,948	640.4690	659.9727	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	15.63 Call	29,734	12.1233	12.5884	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.00 Call	3,000	4.4457	4.6438	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	16.44 Put	6,460	1796.2351	1815.2532	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	6,460	0.1330	0.1195	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	50,948	0.0017	0.0013	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	13.50 Put	29,734	29.2590	27.8703	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	86,688	164.9877	168.3542	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	15.85 Put	86,824	1113.3800	1126.1251	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	16.76 Call	29,734	76.7021	74.1133	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	86,824	8.0692	6.9864	0.0000	0.0000	0	0.00	
			<u>607,230</u>					<u>0.00</u>	<u>0.00</u>	<u>7 919 774.00</u>
		Total	798,854					6,219.00	91,205,141.60	22 522 524.00
										207 975 088 696.80
Future										

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Jun 2018	ZAFR	Future	1,215	12.7479	12.7172	0.0000	0.0000	0	0.00		
			<u>1,215</u>					<i>0.00</i>	<i>0.00</i>	<i>609 303.00</i>	<i>6 506 705 521.30</i>
		Total	1,215					0.00	0.00	609 303.00	6 506 705 521.30
Future											
Jun 2018	ZAGB	Future	436,751	16.7362	16.7817	16.8020	16.8020	701	11,756,599.00		
Sep 2018	ZAGB	Future	18,594	17.0125	17.0603	0.0000	0.0000	0	0.00		
Dec 2018	ZAGB	Future	7,517	17.2796	17.3292	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	Future	4,932	17.5690	17.6215	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	5,465	17.8367	17.8932	0.0000	0.0000	0	0.00		
			<u>473,259</u>					<i>701.00</i>	<i>11,756,599.00</i>	<i>10 809 318.00</i>	<i>181 051 892 359.80</i>
Option											
Jun 2018	ZAGB	17.50 Put	500	800.8104	764.2026	0.0000	0.0000	0	0.00		
Jun 2018	ZAGB	20.40 Call	500	0.4506	0.4790	0.0000	0.0000	0	0.00		
			<u>1,000</u>					<i>0.00</i>	<i>0.00</i>	<i>1 774 113.00</i>	<i>0.00</i>
		Total	474,259					701.00	11,756,599.00	12 583 431.00	181 051 892 359.80
Future											
Jun 2018	ZAJY	Future	8,296	0.1158	0.1162	0.0000	0.0000	0	0.00		
			<u>8,296</u>					<i>0.00</i>	<i>0.00</i>	<i>985 278.00</i>	<i>10 983 324 643.00</i>
		Total	8,296					0.00	0.00	985 278.00	10 983 324 643.00
Future											
Jun 2018	ZAKS	Future	1,145	0.1238	0.1241	0.0000	0.0000	0	0.00		
Sep 2018	ZAKS	Future	562	0.1234	0.1235	0.0000	0.0000	0	0.00		
			<u>1,707</u>					<i>0.00</i>	<i>0.00</i>	<i>31 923.00</i>	<i>432 652 210.00</i>
		Total	1,707					0.00	0.00	31 923.00	432 652 210.00
Future											
Jun 2018	ZATR	Future	3,940	2.7977	2.7465	0.0000	0.0000	0	0.00		
Sep 2018	ZATR	Future	2,500	2.7334	2.6800	0.0000	0.0000	2,500	6,788,750.00		
			<u>6,440</u>					<i>2,500.00</i>	<i>6,788,750.00</i>	<i>261 429.00</i>	<i>930 020 035.50</i>
		Total	6,440					2,500.00	6,788,750.00	261 429.00	930 020 035.50
Future											
Jun 2018	ZAUM	Future	419	12.5980	12.6342	0.0000	0.0000	13	16,369,600.00		
Sep 2018	ZAUM	Future	47	12.7488	12.7859	0.0000	0.0000	0	0.00		
Dec 2018	ZAUM	Future	10	12.8923	12.9308	0.0000	0.0000	0	0.00		
			<u>476</u>					<i>13.00</i>	<i>16,369,600.00</i>	<i>150 800.00</i>	<i>173 751 594 300.00</i>
		Total	476					13.00	16,369,600.00	155 323.00	173 751 594 300.00

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Future											
Jun 2018	ZAUS	Future	1,178,864	12.5980	12.6342	12.6732	12.5796	66,966	847,042,637.30		
Sep 2018	ZAUS	Future	86,781	12.7488	12.7859	12.7800	12.7402	2,157	27,668,773.10		
Dec 2018	ZAUS	Future	25,881	12.8923	12.9308	12.8973	12.8973	1,937	24,983,525.30		
Mar 2019	ZAUS	Future	4,948	13.0452	13.0843	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	Future	3,087	13.1870	13.2268	0.0000	0.0000	0	0.00		
			<u>1,299,561</u>					<u>71,060.00</u>	<u>899,694,935.70</u>	<u>173 729 009.00</u>	<u>2 049 319 705 454.80</u>
Option											
Jun 2018	ZAUS	11.00 Put	60,750	0.4198	0.3943	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.20 Put	2,550	0.9179	0.8485	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.35 Call	10,000	1249.6489	1285.7079	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.45 Call	10,000	1150.0176	1186.2243	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.50 Put	40,216	2.2416	2.2495	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.60 Put	12,000	2.7953	2.8039	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.75 Put	60,000	4.0063	4.0073	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.77 Put	76,000	4.2156	4.2141	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.80 Put	5,500	4.5567	4.5502	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.90 Put	9,500	5.9833	5.9466	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.00 Call	3,000	607.9665	642.1356	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.00 Put	38,700	9.9665	7.9356	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.06 Put	150	14.9589	12.2013	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.12 Put	372	21.7328	18.1000	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.14 Put	155,500	24.4482	20.4903	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.15 Call	500	473.8983	505.9721	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.15 Put	1,000	25.8983	21.7721	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.20 Call	40,000	432.1443	463.3139	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.23 Call	3,000	407.9407	438.5213	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.25 Call	40,000	392.1832	422.3522	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.25 Put	12,415	44.1832	38.1522	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.30 Call	4,000	354.1857	383.2643	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.30 Put	24,500	56.1857	49.0643	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.40 Put	15,103	86.6405	77.1074	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.45 Call	150	253.2880	278.6579	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.50 Call	3,250	224.2900	248.3191	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.50 Put	115,230	126.2900	114.1191	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.55 Call	80,000	197.6546	220.3124	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.75 Call	4,000	116.5762	132.4175	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.75 Put	66	268.5762	248.2175	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.96 Put	2,700	426.6074	400.7577	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.00 Call	15,500	57.5488	67.0298	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.00 Put	21,228	459.5488	432.8298	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.05 Put	1,250	501.7489	474.0232	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	13.17 Put	965	606.9476	577.1600	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	633.9769	603.7477	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	725.4547	694.2485	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	19.9245	24.2442	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	875.8552	842.7535	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	894.9622	861.6737	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	914.1249	880.6598	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1049.5708	1015.1119	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1157.2131	1122.2165	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1206.3976	1171.2109	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1216.2504	1181.0293	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1235.9705	1200.6836	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1245.8375	1210.5194	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1305.2613	1269.6425	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	2.5381	2.9843	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1404.5381	1368.7843	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1503.9932	1468.1378	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1653.4106	1617.4475	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	0.7803	0.9027	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	0.5523	0.6347	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	0.4611	0.5277	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	0.2808	0.3174	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	0.2682	0.3028	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	0.2380	0.2684	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	0.2121	0.2406	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.1775	0.2032	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.1620	0.1865	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	0.1559	0.1798	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	0.1144	0.1345	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	0.0785	0.0948	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	0.0647	0.0794	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.0617	0.0776	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.0478	0.0665	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.0433	0.0606	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.0284	0.0402	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.0115	0.0168	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.0088	0.0129	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.0043	0.0064	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.0023	0.0036	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	30.8876	28.6503	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	31.9577	29.6404	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	42.5089	39.6071	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	11.75 Put	93,314	63.1511	59.1628	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	80.5576	75.7248	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	90.4653	85.1731	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	112.8523	106.5741	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	686.3649	713.4274	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	187.5649	177.5274	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	205.8906	195.1538	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	237.4075	225.5280	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.40 Put	250	245.7095	233.5404	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	538.5450	562.0195	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	34,000	289.7450	276.1195	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	327.9736	313.1740	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	342.9853	327.7475	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	363.5697	347.7450	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	408.3010	427.4642	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	396.1222	414.2933	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	477.7678	458.1264	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	323.2368	338.6511	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	263.4109	276.3545	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	250.2660	262.6383	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	751.4660	726.7383	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	237.7824	249.6056	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	193.6330	203.6118	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	165.9643	174.6703	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	11.6376	12.6057	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	10.4654	11.3222	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	8.9800	9.6965	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	7.1160	7.6577	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	95.7843	92.5001	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	232,078	117.5214	113.0780	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	311.8060	300.0010	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	232,078	757.2452	782.4479	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	10,100	364.9452	351.6479	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	427.7239	412.7922	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	527.5042	546.1113	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	456.5602	472.8450	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	440.3778	456.1095	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	232,078	367.8964	381.0378	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	2,764	297.6055	308.0896	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	268.1488	277.5308	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	1,500	259.0691	268.1063	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00 Call	1,000	127.0496	131.6990	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	15.95 Call	2,000	70.0400	72.1554	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	10.33 Put	1,000	9.8027	8.3713	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	11.74 Put	1,000	159.0626	154.6785	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.06 Put	4,145	246.9320	240.7640	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	12.76 Put	250	541.7803	526.8159	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	13.45 Call	4,145	557.5477	574.0929	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	14.48 Call	1,000	317.3285	326.4246	0.0000	0.0000	0	0.00	
Mar 2019	ZAUS	15.20 Call	1,000	213.4102	219.1556	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	10.69 Put	1,000	18.6655	13.6781	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	12.28 Put	1,000	364.9846	357.3533	0.0000	0.0000	0	0.00	
Jun 2019	ZAUS	14.58 Call	1,000	427.6888	438.0913	0.0000	0.0000	0	0.00	
Dec 2019	ZAUS	20.00 Call	2,000	115.9803	116.0218	0.0000	0.0000	0	0.00	
			<u>2,921,108</u>					<u>0.00</u>	<u>0.00</u>	<u>49 004 352.00</u>
		Total	<u>4,220,669</u>					<u>71,060.00</u>	<u>899,694,935.70</u>	<u>222 733 361.00</u>
										<u>0.00</u>
										<u>2 049 319 705 454.80</u>

Grand Total	<u>6,012,613</u>							<u>80,995.00</u>	<u>1 030 587 832.40</u>	<u>304,246,972</u>	<u>2,852,626,539,638.68</u>
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