



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 28-May-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jul 2018	DAEU	Future	34	14.6164	14.7203	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	60,000	12.4566	12.5025	0.0000	0.0000	50,000	621,855,000.00
May 2018	DAUS	Future	270	12.4566	12.5041	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,746	12.4701	12.5178	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	12.4898	12.5387	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,981	12.5046	12.5543	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	12.5095	12.5593	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	12.5392	12.5888	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	12.5458	12.5954	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	12.5475	12.5970	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,345	12.5508	12.6003	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,515	12.5574	12.6069	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	12.5789	12.6276	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,479	12.6085	12.6562	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	12.6533	12.7015	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	12.6966	12.7452	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	12.7030	12.7516	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	3,113	12.7062	12.7549	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	12.7270	12.7759	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	2,812	12.7542	12.8034	0.0000	0.0000	0	0.00
Dec 2018	DAUS	Future	1,580	12.8029	12.8528	0.0000	0.0000	0	0.00
Jan 2019	DAUS	Future	1,225	12.8517	12.9023	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	12.8722	12.9231	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	1,225	12.8958	12.9470	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	DAUS	Future	4,414	12.9381	12.9888	0.0000	0.0000	0	0.00
Apr 2019	DAUS	Future	1,225	12.9915	13.0414	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	13.7057	13.7546	0.0000	0.0000	0	0.00
			<u>182,744</u>					<u>50,000.00</u>	<u>621,855,000.00</u>
									<u>10 114 900.00</u>
									<u>122 875 626 297.90</u>
Option									
May 2018	DAUS	12.45 Call	40,000	50.7778	96.5875	0.0000	0.0000	0	0.00
May 2018	DAUS	12.46 Call	30,000	46.1897	90.1802	0.0000	0.0000	0	0.00
May 2018	DAUS	12.24 Put	118	16.0734	21.3115	0.0000	0.0000	0	0.00
May 2018	DAUS	12.55 Call	118	43.8668	76.3492	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Put	270	175.7041	155.4912	0.0000	0.0000	0	0.00
May 2018	DAUS	12.69 Call	270	18.4836	37.4427	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Call	118	12.7400	27.1983	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1343.4202	1296.0553	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.0844	0.0657	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	0.2348	0.2103	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	37.2370	56.7447	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.22 Put	500	99.0147	0.0000	0.0000	0.0000	500	0.00
Jun 2018	DAUS	12.44 Put	109	190.3379	0.0000	0.0000	0.0000	109	0.00
Jun 2018	DAUS	12.45 Put	635	195.3458	0.0000	0.0000	0.0000	635	0.00
Jun 2018	DAUS	12.47 Put	158	205.5812	188.5182	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.52 Call	109	217.4257	0.0000	0.0000	0.0000	109	0.00
Jun 2018	DAUS	12.55 Call	500	204.9720	0.0000	0.0000	0.0000	500	0.00
Jun 2018	DAUS	12.56 Call	635	200.9584	0.0000	0.0000	0.0000	635	0.00
Jun 2018	DAUS	12.62 Call	158	178.2799	204.9085	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.85 Call	500	111.1117	0.0000	0.0000	0.0000	500	0.00
Jun 2018	DAUS	13.80 Put	1,000	1308.6919	1263.4413	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	0.7305	0.9435	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	0.7990	1.0608	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	21.7932	19.7966	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	226.6185	208.3726	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	69.1950	82.6801	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	69.3478	62.7674	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	31.1321	38.1741	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	24.0654	29.8220	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1916.3600	1869.4512	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	2.5042	2.7901	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1296.6137	1254.6641	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	3.2824	3.6789	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	2.4780	2.5461	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	208.9877	193.8726	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1350.1134	1309.0497	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	2.7100	3.0746	0.0000	0.0000	0	0.00

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Aug 2018	DAUS	13.80 Put	1,000	1293.9789	1255.4069	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	5.8234	6.5460	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	2.5399	2.8216	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	1294.5388	1256.8372	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	9.2678	12.2499	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	4.0821	5.8848	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	1295.7934	1258.6676	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	26.6477	28.6638	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	14.8960	16.9438	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.90 Put	1,880	155.4239	145.1558	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.86 Put	1,880	1346.0197	1308.5268	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.81 Call	1,880	20.9169	23.6063	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	10.83 Put	51,000	24.7139	22.8107	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.67 Put	51,000	107.9002	99.9301	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.22 Call	51,000	357.9178	375.8815	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	1296.9688	1260.7211	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	37.0126	40.6910	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	20.7786	23.0804	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.65 Put	20,000	1177.6641	1142.7682	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	15.69 Call	20,000	74.4582	79.0536	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	1298.2821	1262.3341	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	45.5070	49.7618	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	26.1112	28.8323	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.00 Put	2,500	760.4368	733.6996	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	13.49 Call	2,500	580.9161	599.8668	0.0000	0.0000	0	0.00		
				<u>314,224</u>				<u>2,988.00</u>	<u>0.00</u>	<u>18 724 403.00</u>	<u>0.00</u>
			Total	496,968				52,988.00	621,855,000.00	28 839 303.00	122 875 626 297.90
Future											
Jun 2018	EUUS	Future	260	1.1636	1.1672	1.1645	1.1645	10	116,450.00		
			<u>260</u>					<u>10.00</u>	<u>116,450.00</u>	<u>709 126.00</u>	<u>8 032 912 972.00</u>
			Total	260				10.00	116,450.00	709 126.00	8 032 912 972.00
Future											
Sep 2018	JYZA	Future	283	8.5875	8.5487	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	1119.4051	1006.6094	0.0000	0.0000	0	0.00		
Jun 2018	JYZA	8.89 Put	1,200	2134.2796	2439.7082	0.0000	0.0000	0	0.00		
Sep 2018	JYZA	8.17 Put	50,000	1700.7639	1831.8319	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>

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Total			101,483					0.00	0.00	194 583.00	186 145 988.86
Future											
Jun 2018	ZAAD	Future	15,522	9.4257	9.4708	0.0000	0.0000	0	0.00		
Sep 2018	ZAAD	Future	800	9.5447	9.5895	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	11,412	9.6598	9.7060	0.0000	0.0000	0	0.00		
			<u>27,734</u>					<i>0.00</i>	<i>0.00</i>	3 628 144.00	31 430 698 508.10
Total			27,734					0.00	0.00	3 660 521.00	31 430 698 508.10
Future											
Jun 2018	ZACA	Future	2,080	9.5983	9.6606	0.0000	0.0000	0	0.00		
			<u>2,080</u>					<i>0.00</i>	<i>0.00</i>	132 343.00	1 300 163 420.10
Total			2,080					0.00	0.00	132 343.00	1 300 163 420.10
Future											
Jun 2018	ZAEU	Future	112,519	14.5292	14.6307	14.5267	14.5246	73	1,059,779.90		
Sep 2018	ZAEU	Future	60,742	14.8089	14.9112	14.8245	14.8245	47	697,345.50		
Dec 2018	ZAEU	Future	7,625	15.0823	15.1873	0.0000	0.0000	0	0.00		
Mar 2019	ZAEU	Future	4,808	15.3851	15.4954	0.0000	0.0000	0	0.00		
Jun 2019	ZAEU	Future	5,256	15.6585	15.7676	0.0000	0.0000	0	0.00		
			<u>190,950</u>					<i>120.00</i>	<i>1,757,125.40</i>	14 594 614.00	207 855 157 962.50
Option											
Jun 2018	ZAEU	13.50 Put	29,734	4.2632	4.4018	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.75 Put	50,948	8.2049	7.4806	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.97 Put	6,460	23.6541	16.0121	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.25 Put	29,734	78.7855	60.1598	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.30 Call	10,000	323.4770	403.7773	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	14.40 Call	10,000	260.4543	335.1133	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.00 Call	3,000	57.2085	88.0011	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.25 Put	50,948	749.5464	666.8133	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.63 Call	29,734	10.2518	17.9282	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	16.00 Call	3,000	3.9120	6.8600	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	16.44 Put	6,460	1912.3839	1811.9699	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	18.61 Call	6,460	0.1319	0.1833	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	20.55 Call	50,948	0.0011	0.0024	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	13.50 Put	29,734	33.1758	28.1932	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	14.25 Put	86,688	197.8242	173.1315	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	15.85 Put	86,824	1210.2573	1134.1473	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	16.76 Call	29,734	67.8213	81.1404	0.0000	0.0000	0	0.00		
Sep 2018	ZAEU	19.56 Call	86,824	6.1627	7.0172	0.0000	0.0000	0	0.00		
			<u>607,230</u>					<i>0.00</i>	<i>0.00</i>	7 919 774.00	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME			
Total			798,180					120.00	1,757,125.40	22 514 388.00	207 855 157 962.50	
Future												
	Jun 2018	ZAFR	Future	1,215	12.5816	12.6630	0.0000	0.0000	0	0.00		
				<u>1,215</u>					<u>0.00</u>	<u>0.00</u>	609 303.00	6 506 705 521.30
			Total	1,215					0.00	0.00	609 303.00	6 506 705 521.30
Future												
	Jun 2018	ZAGB	Future	436,441	16.6199	16.7027	0.0000	0.0000	5,238	87,114,225.60		
	Sep 2018	ZAGB	Future	18,594	16.8944	16.9771	0.0000	0.0000	0	0.00		
	Dec 2018	ZAGB	Future	7,517	17.1565	17.2425	0.0000	0.0000	0	0.00		
	Mar 2019	ZAGB	Future	4,932	17.4404	17.5303	0.0000	0.0000	0	0.00		
	Jun 2019	ZAGB	Future	5,465	17.7043	17.7944	0.0000	0.0000	0	0.00		
				<u>472,949</u>					<u>5,238.00</u>	<u>87,114,225.60</u>	10 807 970.00	181 029 252 725.80
Option												
	Jun 2018	ZAGB	17.50 Put	500	912.3712	846.3301	0.0000	0.0000	0	0.00		
	Jun 2018	ZAGB	20.40 Call	500	0.3530	0.6434	0.0000	0.0000	0	0.00		
				<u>1,000</u>					<u>0.00</u>	<u>0.00</u>	1 774 113.00	0.00
			Total	473,949					5,238.00	87,114,225.60	12 582 083.00	181 029 252 725.80
Future												
	Jun 2018	ZAJY	Future	8,296	0.1143	0.1148	0.0000	0.0000	0	0.00		
				<u>8,296</u>					<u>0.00</u>	<u>0.00</u>	985 278.00	10 983 324 643.00
			Total	8,296					0.00	0.00	985 278.00	10 983 324 643.00
Future												
	Jun 2018	ZAKS	Future	1,145	0.1228	0.1235	0.0000	0.0000	0	0.00		
	Sep 2018	ZAKS	Future	562	0.1223	0.1230	0.0000	0.0000	0	0.00		
				<u>1,707</u>					<u>0.00</u>	<u>0.00</u>	31 923.00	432 652 210.00
			Total	1,707					0.00	0.00	31 923.00	432 652 210.00
Future												
	Jun 2018	ZATR	Future	3,940	2.7001	2.6335	0.0000	0.0000	0	0.00		
				<u>3,940</u>					<u>0.00</u>	<u>0.00</u>	258 929.00	923 231 285.50
			Total	3,940					0.00	0.00	258 929.00	923 231 285.50
Future												
	Jun 2018	ZAUM	Future	419	12.4865	12.5352	0.0000	0.0000	0	0.00		
	Sep 2018	ZAUM	Future	47	12.6357	12.6837	0.0000	0.0000	0	0.00		
	Dec 2018	ZAUM	Future	10	12.7762	12.8257	0.0000	0.0000	0	0.00		
				<u>476</u>					<u>0.00</u>	<u>0.00</u>	150 787.00	173 735 224 700.00

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Total			476					0.00	0.00	155 310.00	173 735 224 700.00
Future											
Jun 2018	ZAUS	Future	1,156,737	12.4865	12.5352	12.5187	12.4605	7,955	99,506,457.60		
Sep 2018	ZAUS	Future	85,609	12.6357	12.6837	12.6380	12.6105	656	8,281,160.50		
Dec 2018	ZAUS	Future	25,774	12.7762	12.8257	0.0000	0.0000	247	3,158,784.20		
Mar 2019	ZAUS	Future	4,948	12.9240	12.9749	0.0000	0.0000	0	0.00		
Jun 2019	ZAUS	Future	3,087	13.0611	13.1102	0.0000	0.0000	0	0.00		
			1,276,155					8,858.00	110,946,402.30	173 603 708.00	2 047 734 732 098.40
Option											
Jun 2018	ZAUS	11.00 Put	60,750	0.6358	0.2185	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.20 Put	2,550	1.3803	1.0321	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.35 Call	10,000	1138.6253	1187.4708	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.45 Call	10,000	1039.2279	1088.0449	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.50 Put	40,216	3.1054	3.1984	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.60 Put	12,000	4.0664	4.0831	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.75 Put	60,000	6.2715	6.0525	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.77 Put	76,000	6.6633	6.3960	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.80 Put	5,500	7.3068	6.9570	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	11.90 Put	9,500	10.0558	9.3201	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.00 Call	3,000	506.6180	553.6107	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.00 Put	38,700	20.1180	18.4107	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.06 Put	150	29.0188	26.4301	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.12 Put	372	40.5020	36.7776	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.14 Put	155,500	44.9581	40.7965	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.15 Call	500	383.8098	428.1185	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.15 Put	1,000	47.3098	42.9185	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.20 Call	40,000	346.8499	389.9000	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.23 Call	3,000	325.7335	367.9416	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.25 Call	40,000	312.1107	353.7237	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.25 Put	12,415	75.6107	68.5237	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.30 Call	4,000	279.6785	319.6904	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.30 Put	24,500	93.1785	84.4904	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.40 Put	15,103	135.3875	123.0815	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.45 Call	150	196.5139	230.9405	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.50 Call	3,250	173.4229	205.8142	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.50 Put	115,230	186.9229	170.6142	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.55 Call	80,000	152.8988	182.8473	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.75 Call	4,000	90.2377	112.4586	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.75 Put	66	353.7377	327.2586	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	12.96 Put	2,700	523.9295	490.5631	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	13.00 Call	15,500	45.0498	59.2632	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 Put	21,228	558.5498	524.0632	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	602.6044	566.8088	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	711.1441	672.7611	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	738.6525	699.8826	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	25,500	831.7886	790.7028	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	15.5645	22.1950	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	984.3735	940.5084	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	1003.6823	959.5399	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	1023.0338	978.6276	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1159.4959	1113.5910	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1267.6541	1220.9206	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1317.1627	1269.9840	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1327.0725	1279.8562	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1346.8995	1299.6108	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1356.8166	1309.4932	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1416.3652	1368.8513	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	2.2603	3.1887	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1515.7603	1467.9887	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1615.2983	1567.3282	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1764.7965	1716.6096	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	0.7396	1.0134	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	0.5327	0.7193	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	0.4486	0.6004	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	0.2775	0.3721	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	0.2650	0.3592	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	0.2351	0.3279	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	0.2094	0.3005	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.1749	0.2629	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.1594	0.2457	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	0.1534	0.2388	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	0.1118	0.1908	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	0.0757	0.1465	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	0.0458	0.1063	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.0416	0.0973	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.0320	0.0767	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.0290	0.0701	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.0189	0.0473	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.0076	0.0205	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.0057	0.0159	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.0028	0.0081	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.0015	0.0047	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	40.6911	37.0186	0.0000	0.0000	0	0.00

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Sep 2018	ZAUS	11.50 Put	45,000	43.0582	39.2104	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	56.4987	51.6906	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	82.2064	75.7074	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	103.4701	95.6814	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.90 Put	3,000	115.4373	106.9579	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	142.1844	132.2349	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	616.4619	649.4640	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Put	40,000	230.7619	215.7640	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	251.6668	235.7643	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	287.3174	269.9570	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.40 Put	250	296.6488	278.9249	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	481.4943	509.9460	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	34,000	345.7943	326.2460	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	388.0331	367.0341	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	404.5235	382.9854	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	427.0545	404.8051	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	365.9023	388.7330	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	355.0011	377.3217	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	551.8236	525.3026	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	30,000	289.9713	309.0673	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	236.8216	253.0523	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	225.1661	240.7377	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	839.4661	807.0377	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	214.1028	229.0408	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	174.6148	187.4380	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	150.0551	161.3844	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	9.5364	10.8153	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	8.5014	9.6400	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	7.2001	8.1613	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	5.5869	6.3263	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	117.5533	109.2899	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.75 Put	232,174	142.7179	133.1671	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	362.0064	342.7515	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	232,174	696.0040	724.5130	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	10,100	419.8040	398.8130	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	487.5050	464.6732	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	484.7104	506.1438	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	419.6874	438.7795	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.25 Call	10,000	404.8805	423.4219	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.50 Call	232,174	338.7130	354.6702	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.80 Call	2,764	274.5091	287.9464	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	247.5984	259.9354	0.0000	0.0000	0	0.00

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Dec 2018	ZAUS	14.00	Call	1,500	239.3019	251.2977	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.00	Call	1,000	117.5260	124.6133	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.95	Call	2,000	66.5230	70.7876	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33	Put	1,000	12.8715	10.4200	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74	Put	1,000	188.2008	176.6670	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06	Put	4,145	285.4940	270.2611	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.76	Put	250	605.8401	580.9250	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45	Call	4,145	518.1290	537.1255	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48	Call	1,000	293.5725	306.1180	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	15.20	Call	1,000	197.6011	206.9143	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69	Put	1,000	29.3600	22.3682	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28	Put	1,000	411.1610	394.0042	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58	Call	1,000	398.5335	412.1798	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00	Call	2,000	105.3924	109.6290	0.0000	0.0000	0	0.00
				<u>2,921,396</u>					<i>0.00</i>	<i>0.00</i>
	Total			4,197,551					8,858.00	110,946,402.30
									<i>49 003 776.00</i>	<i>0.00</i>
									222 607 484.00	2 047 734 732 098.40

Grand Total	6,113,873							67,214.00	821 789 203.30	304,086,576	2,850,592,666,497.88
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