



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 16-May-2018

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
May 2018	DAEU	Future	41	14.7071	14.9544	0.0000	0.0000	0	0.00
Jul 2018	DAEU	Future	34	14.8732	15.1257	0.0000	0.0000	0	0.00
			75					0.00	0.00
		Total	75					0.00	0.00
									790 933.00
									11 805 104 237.30
Future									
May 2018	DAUS	Future	30,000	12.4664	12.5980	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	34,600	12.4680	12.5997	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	20,000	12.4730	12.6048	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	30,000	12.4797	12.6117	0.0000	0.0000	20,000	248,946,000.00
May 2018	DAUS	Future	270	12.4830	12.6152	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	1,746	12.4964	12.6289	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	12.5165	12.6495	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	2,085	12.5312	12.6647	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	12.5362	12.6698	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	12.5657	12.7001	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	500	12.5723	12.7067	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	70	12.5739	12.7084	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,345	12.5772	12.7117	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	2,015	12.5838	12.7183	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	12.6052	12.7398	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	3,479	12.6343	12.7691	0.0000	0.0000	600	7,595,400.00
Sep 2018	DAUS	Future	177	12.4777	12.4777	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	2,695	12.6789	12.8145	0.0000	0.0000	1,400	17,784,900.00
Oct 2018	DAUS	Future	70	12.7220	12.8582	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	12.7284	12.8647	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	1,643	12.7316	12.8679	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	12.7523	12.8890	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	2,812	12.7788	12.9163	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Jan 2019	DAUS	Future	1,225	12.8745	13.0155	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	70	12.8945	13.0363	0.0000	0.0000	0	0.00		
Feb 2019	DAUS	Future	1,225	12.9175	13.0598	0.0000	0.0000	0	0.00		
Mar 2019	DAUS	Future	4,414	12.9586	13.1017	0.0000	0.0000	0	0.00		
Apr 2019	DAUS	Future	1,225	13.0104	13.1544	0.0000	0.0000	0	0.00		
Jul 2020	DAUS	Future	84,000	13.7262	13.8616	0.0000	0.0000	0	0.00		
			<u>237,497</u>					<u>22,000.00</u>	<u>274,326,300.00</u>	<u>9 940 265.00</u>	<u>120 690 564 586.30</u>

Option

May 2018	DAUS	12.00 Put	51,000	0.5883	0.3579	0.0000	0.0000	0	0.00
May 2018	DAUS	11.95 Call	30,000	518.9686	649.7706	0.0000	0.0000	0	0.00
May 2018	DAUS	12.00 Call	30,000	474.1622	603.3370	0.0000	0.0000	0	0.00
May 2018	DAUS	12.37 Call	30,000	176.6317	278.0139	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	80,000	68.2005	123.2951	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Call	40,000	81.3850	136.8814	0.0000	0.0000	0	0.00
May 2018	DAUS	12.45 Call	40,000	151.7530	235.9284	0.0000	0.0000	20,000	0.00
May 2018	DAUS	12.46 Call	30,000	146.4627	229.0441	0.0000	0.0000	0	0.00
May 2018	DAUS	12.24 Put	118	54.6270	32.8276	0.0000	0.0000	0	0.00
May 2018	DAUS	12.55 Call	118	119.2324	185.2088	0.0000	0.0000	0	0.00
May 2018	DAUS	12.60 Put	270	218.2238	142.5740	0.0000	0.0000	0	0.00
May 2018	DAUS	12.69 Call	270	74.5272	119.7147	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Call	118	60.3238	98.7612	0.0000	0.0000	0	0.00
May 2018	DAUS	13.80 Put	1,000	1318.5001	1187.3312	0.0000	0.0000	0	0.00
May 2018	DAUS	15.43 Call	500	0.0871	0.0918	0.0000	0.0000	0	0.00
May 2018	DAUS	15.89 Call	500	0.1514	0.1356	0.0000	0.0000	0	0.00
Jun 2018	DAUS	12.80 Call	1,746	84.0426	123.5565	0.0000	0.0000	0	0.00
Jun 2018	DAUS	13.80 Put	1,000	1291.6654	1166.4237	0.0000	0.0000	0	0.00
Jun 2018	DAUS	15.62 Call	500	1.2900	1.4017	0.0000	0.0000	0	0.00
Jun 2018	DAUS	16.10 Call	500	1.3358	1.4153	0.0000	0.0000	0	0.00
Jul 2018	DAUS	11.80 Put	2,000	30.2731	21.8608	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.50 Put	2,000	239.3562	181.6872	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.12 Call	2,000	91.9105	121.5256	0.0000	0.0000	0	0.00
Jul 2018	DAUS	12.07 Put	2,000	82.5010	56.9132	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.60 Call	1,000	43.6114	57.9599	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.73 Call	1,000	34.6022	46.0137	0.0000	0.0000	0	0.00
Jul 2018	DAUS	14.45 Put	1,500	1894.9457	1765.5192	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.94 Call	1,500	3.0516	3.6242	0.0000	0.0000	0	0.00
Jul 2018	DAUS	13.80 Put	1,000	1279.4340	1160.3850	0.0000	0.0000	0	0.00
Jul 2018	DAUS	15.82 Call	500	4.0728	4.9799	0.0000	0.0000	0	0.00
Jul 2018	DAUS	16.32 Call	500	2.6412	3.4291	0.0000	0.0000	0	0.00
Aug 2018	DAUS	12.32 Put	1,880	211.8743	165.8137	0.0000	0.0000	0	0.00
Aug 2018	DAUS	13.86 Put	1,880	1332.5566	1213.2527	0.0000	0.0000	0	0.00
Aug 2018	DAUS	16.18 Call	1,880	3.3789	4.5231	0.0000	0.0000	0	0.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Aug 2018	DAUS	13.80 Put	1,000	1275.4707	1161.0784	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	6.8571	9.2227	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	3.1178	4.6833	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	1274.2198	1163.1631	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	8.3658	11.5416	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	3.4136	4.9913	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	1273.1536	1165.8072	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	24.1597	28.4682	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	13.8058	17.2020	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.90 Put	1,880	150.7515	123.2999	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.86 Put	1,880	1322.8355	1214.3794	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.81 Call	1,880	19.5785	23.2101	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	10.83 Put	51,000	24.7526	20.9897	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.67 Put	51,000	104.2818	84.2078	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.22 Call	51,000	362.5637	410.9566	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	1273.6475	1168.2867	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	35.4499	40.3175	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	19.6819	23.0378	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.65 Put	20,000	1154.3047	1053.0753	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	15.69 Call	20,000	72.2202	79.2530	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	1273.6813	1169.1741	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	43.3778	49.7290	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	24.6042	28.4056	0.0000	0.0000	0	0.00		
				<u>566,920</u>				<u>20,000.00</u>	<u>0.00</u>	<u>18 718 599.00</u>	<u>0.00</u>
Total			804,417					42,000.00	274,326,300.00	28 658 864.00	120 690 564 586.30
Future											
Jun 2018	EUUS	Future	220	1.1816	1.1889	1.1811	1.1811	2,530	29,949,870.00		
			<u>220</u>					<u>2,530.00</u>	<u>29,949,870.00</u>	<u>709 086.00</u>	<u>8 032 445 472.00</u>
Total			220					2,530.00	29,949,870.00	709 086.00	8 032 445 472.00
Future											
Sep 2018	JYZA	Future	283	8.6386	8.5475	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	8.89 Put	1,200	2056.4105	2592.3575	0.0000	0.0000	0	0.00		
Sep 2018	JYZA	8.17 Put	50,000	1611.6125	1817.4532	0.0000	0.0000	0	0.00		
			<u>51,200</u>					<u>0.00</u>	<u>0.00</u>	<u>75 800.00</u>	<u>0.00</u>
Total			51,483					0.00	0.00	94 583.00	186 145 988.86
Future											

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Jun 2018	ZAAD	Future	12,585	9.3939	9.4471	9.4333	9.4333	250	2,358,325.00
Sep 2018	ZAAD	Future	800	9.5122	9.5666	0.0000	0.0000	0	0.00
Dec 2018	ZAAD	Future	11,412	9.6270	9.6830	0.0000	0.0000	0	0.00
			<u>24,797</u>					<u>250.00</u>	<u>2,358,325.00</u>
		Total	24,797					250.00	2,358,325.00
									3 619 939.00
									31 352 514 935.90
Future									
Jun 2018	ZACA	Future	1,850	9.7800	9.8187	0.0000	0.0000	0	0.00
			<u>1,850</u>					<u>0.00</u>	<u>0.00</u>
		Total	1,850					0.00	0.00
									131 593.00
									1 292 774 717.10
Future									
Jun 2018	ZAEU	Future	111,277	14.7850	15.0346	14.8901	14.8024	2,053	30,513,980.30
Sep 2018	ZAEU	Future	61,407	15.0659	15.3209	0.0000	0.0000	0	0.00
Dec 2018	ZAEU	Future	7,625	15.3418	15.6034	0.0000	0.0000	0	0.00
Mar 2019	ZAEU	Future	4,686	15.6493	15.9183	0.0000	0.0000	0	0.00
Jun 2019	ZAEU	Future	5,256	15.9211	16.1904	0.0000	0.0000	0	0.00
			<u>190,251</u>					<u>2,053.00</u>	<u>30,513,980.30</u>
									14 542 104.00
									207 078 104 607.80
Option									
Jun 2018	ZAEU	13.50 Put	29,734	6.1370	5.1182	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	13.75 Put	50,948	9.9246	8.0647	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	13.97 Put	6,460	15.8190	11.7444	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	14.25 Put	29,734	47.1995	20.0641	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	14.30 Call	10,000	542.4905	756.8488	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	14.40 Call	10,000	467.6209	669.5228	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	15.00 Call	3,000	160.9801	266.0547	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	15.25 Put	50,948	562.4259	382.7757	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	15.63 Call	29,734	43.5488	78.1997	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	16.00 Call	3,000	18.6314	35.4255	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	16.44 Put	6,460	1662.1193	1418.6958	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	18.61 Call	6,460	0.7453	1.0223	0.0000	0.0000	0	0.00
Jun 2018	ZAEU	20.55 Call	50,948	0.0453	0.1338	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	13.50 Put	29,734	23.8170	17.5152	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	14.25 Put	86,688	138.3153	85.2288	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	15.85 Put	86,824	1015.8497	828.8648	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	16.76 Call	29,734	97.5237	129.9486	0.0000	0.0000	0	0.00
Sep 2018	ZAEU	19.56 Call	86,824	12.7826	17.6420	0.0000	0.0000	0	0.00
			<u>607,230</u>					<u>0.00</u>	<u>0.00</u>
		Total	797,481					2,053.00	30,513,980.30
									22 461 878.00
									207 078 104 607.80

Future

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME		CUMULATIVE VOLUME	
Jun 2018	ZAFR	Future	1,215	12.5366	12.6556	0.0000	0.0000	0	0.00		
			<u>1,215</u>					0.00	0.00	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	428,549	16.8938	17.0913	16.9139	16.9075	252	4,260,702.80		
Sep 2018	ZAGB	Future	18,594	17.1691	17.3703	17.1777	17.1602	5	85,853.50		
Dec 2018	ZAGB	Future	7,517	17.4333	17.6397	0.0000	0.0000	0	0.00		
Mar 2019	ZAGB	Future	4,932	17.7218	17.9338	0.0000	0.0000	0	0.00		
Jun 2019	ZAGB	Future	5,465	17.9897	18.2038	0.0000	0.0000	0	0.00		
			<u>465,057</u>					257.00	4,346,556.30	10 789 429.00	180 716 520 295.00
		Total						257.00	4,346,556.30	12 563 542.00	180 716 520 295.00
Option											
Jun 2018	ZAGB	17.50 Put	500	712.5882	564.6525	0.0000	0.0000	0	0.00		
Jun 2018	ZAGB	20.40 Call	500	1.1048	1.2648	0.0000	0.0000	0	0.00		
			<u>1,000</u>					0.00	0.00	1 774 113.00	0.00
		Total	466,057					257.00	4,346,556.30	12 563 542.00	180 716 520 295.00
Future											
Jun 2018	ZAJY	Future	8,296	0.1137	0.1149	0.0000	0.0000	0	0.00		
			<u>8,296</u>					0.00	0.00	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	0.1239	0.1254	0.0000	0.0000	0	0.00		
Sep 2018	ZAKS	Future	562	0.1234	0.1250	0.0000	0.0000	0	0.00		
			<u>1,707</u>					0.00	0.00	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	2.7947	2.8064	0.0000	0.0000	0	0.00		
			<u>3,940</u>					0.00	0.00	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	427	12.5132	12.6462	0.0000	0.0000	0	0.00		
Sep 2018	ZAUM	Future	47	12.6614	12.7966	0.0000	0.0000	0	0.00		
Dec 2018	ZAUM	Future	10	12.8004	12.9387	0.0000	0.0000	0	0.00		
			<u>484</u>					0.00	0.00	150 742.00	173 677 655 420.00
		Total	484					0.00	0.00	155 265.00	173 677 655 420.00

<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	Future	1,128,007	12.5132	12.6462	12.6400	12.4500	53,179	668,122,353.10
Sep 2018	ZAUS	Future	90,123	12.6614	12.7966	12.7772	12.6001	524	6,668,731.00
Dec 2018	ZAUS	Future	25,417	12.8004	12.9387	12.9333	12.8777	605	7,805,834.40
Mar 2019	ZAUS	Future	4,948	12.9449	13.0877	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	Future	3,087	13.0787	13.2220	0.0000	0.0000	0	0.00
			<u>1,251,582</u>					<u>54,308.00</u>	<u>682,596,918.50</u>
									<u>173 155 700.00</u>
									<u>2 042 073 004 242.70</u>

Option

Jun 2018	ZAUS	11.00 Put	60,750	1.2705	0.9755	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.20 Put	2,550	2.6288	2.0003	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.35 Call	10,000	1167.4814	1299.5975	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.45 Call	10,000	1069.0382	1200.8825	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	40,216	6.8228	5.4216	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.60 Put	12,000	9.3305	7.2805	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.75 Put	60,000	14.9594	11.3741	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.77 Put	76,000	15.9339	12.0748	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.80 Put	5,500	17.5161	13.2094	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.90 Put	9,500	24.0156	17.8332	0.0000	0.0000	5,000	0.00
Jun 2018	ZAUS	12.00 Call	3,000	551.6774	670.3034	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	38,700	38.4774	24.1034	0.0000	0.0000	2,000	0.00
Jun 2018	ZAUS	12.06 Put	150	49.7981	31.8051	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.12 Put	372	63.3526	41.2504	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.14 Put	155,500	68.3984	44.8224	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Call	500	434.2242	542.8919	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.15 Put	1,000	71.0242	46.6919	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.20 Call	40,000	398.3992	503.1057	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.23 Call	3,000	377.7657	479.9597	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Call	40,000	364.3764	464.8425	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	12,415	101.1764	68.6425	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Call	4,000	332.2091	428.1927	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.30 Put	24,500	119.0091	81.9927	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	15,103	160.3742	113.8284	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.45 Call	150	247.1231	328.6240	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Call	6,550	222.5622	299.0492	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	115,480	209.3622	152.8492	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.55 Call	80,000	201.0537	271.3166	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	368.7455	284.6113	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	530.1126	429.8280	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Call	15,500	76.2327	106.3817	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	21,228	563.0327	460.1817	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	605.0012	499.1659	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	708.8382	596.9390	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.20 Put	372	735.2753	622.2073	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	13.30 Put	25,500	825.0172	708.4796	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.35 Call	60,000	33.9124	48.6024	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	972.8492	851.2166	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	991.6273	869.4683	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	1010.4624	887.7992	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	1143.7031	1018.0683	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	2,415	1249.7860	1122.3953	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	1298.2500	1170.2730	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	1307.9651	1179.8786	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	1327.4164	1199.1177	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	1337.1524	1208.7506	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	1395.6999	1266.7274	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Call	30,000	6.9188	10.1254	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	500	1493.7188	1363.9254	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	1592.1817	1461.7351	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	1740.4988	1609.3160	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	1.8543	2.8259	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	1.2000	1.8553	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	0.9456	1.4740	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	0.6202	0.7526	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	0.6244	0.7048	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.22 Call	372	0.6363	0.6209	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.30 Call	24,500	0.6492	0.6319	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	0.6721	0.6518	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.50 Call	114,600	0.6854	0.6635	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.53 Call	965	0.6914	0.6688	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.79 Call	40,000	0.7479	0.7197	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.16 Call	5,183	0.8445	0.8080	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.38 Call	750	0.6495	0.8694	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.41 Call	300	0.6067	0.8783	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.49 Call	7,420	0.5052	0.8155	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.52 Call	66	0.4715	0.7632	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.65 Call	500	0.3486	0.5712	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	16.92 Call	2,415	0.1839	0.3091	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.00 Call	3,500	0.1517	0.2568	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.21 Call	500	0.0908	0.1569	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	17.38 Call	7,028	0.0596	0.1045	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.48 Put	5,200	41.7890	31.3835	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.50 Put	45,000	44.1428	32.4408	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.60 Put	2,000	57.4610	42.9393	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.75 Put	93,314	82.7901	63.3263	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	11.85 Put	48,200	103.6536	80.4391	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	11.90 Put	3,000	115.3727	90.1551	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.00 Put	13,300	141.5281	112.0668	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.25 Call	500	638.6852	730.3464	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.30 Put	100	247.5221	201.3556	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.38 Put	60,000	282.0532	231.6399	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Call	4,600	500.1521	578.5450	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.50 Put	24,000	338.7521	281.9450	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.58 Put	8,000	379.7651	318.7169	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.61 Put	13,231	395.7900	333.1664	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.65 Put	1,550	417.7001	352.9841	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.77 Call	5,200	380.8243	442.7712	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.80 Call	50	369.5725	429.4241	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	12.85 Put	750	540.1113	462.2498	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.00 Call	20,000	302.2701	352.4617	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.20 Call	4,000	247.0349	288.6907	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Call	1,250	234.8902	274.5963	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.25 Put	73,314	823.4902	727.9963	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.30 Call	1,500	223.3577	261.1845	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.50 Call	3,000	182.5368	213.7361	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	13.65 Call	1,464	157.0912	183.8441	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	15.97 Call	5,300	10.5907	14.4160	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.04 Call	1,550	9.4971	13.0818	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.14 Call	750	8.1146	11.3764	0.0000	0.0000	0	0.00
Sep 2018	ZAUS	16.29 Call	73,314	6.3863	9.2079	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	11.64 Put	2,764	112.9339	92.6494	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.38 Put	39,589	349.1203	297.4407	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Call	150	705.7145	787.1266	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.50 Put	100	405.3145	348.4266	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	12.63 Put	39,589	471.3044	408.8354	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.00 Call	6,000	488.9148	548.0497	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.20 Call	7,100	422.4692	474.1660	0.0000	0.0000	7,000	0.00
Dec 2018	ZAUS	13.80 Call	2,764	274.8493	308.1433	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	13.95 Call	39,589	247.6472	277.4372	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	14.00 Call	1,500	239.2678	0.0000	0.0000	0.0000	1,500	0.00
Dec 2018	ZAUS	15.00 Call	1,000	116.2584	130.7507	0.0000	0.0000	0	0.00
Dec 2018	ZAUS	15.95 Call	2,000	64.7831	70.4544	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	10.33 Put	1,000	10.7693	9.6986	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	11.74 Put	1,000	180.3845	152.1918	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.06 Put	4,145	273.8284	235.9670	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	12.76 Put	250	584.3367	517.0161	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	13.45 Call	4,145	512.7870	564.4969	0.0000	0.0000	0	0.00
Mar 2019	ZAUS	14.48 Call	1,000	286.9531	316.4179	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	15.20 Call	1,000	190.6710	209.6411	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	10.69 Put	1,000	23.6649	20.2153	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	12.28 Put	1,000	396.4234	350.5120	0.0000	0.0000	0	0.00
Jun 2019	ZAUS	14.58 Call	1,000	388.1542	420.1176	0.0000	0.0000	0	0.00
Dec 2019	ZAUS	20.00 Call	2,000	92.6604	98.9945	0.0000	0.0000	0	0.00
			<u>2,144,324</u>					<u>15,500.00</u>	<u>0.00</u>
	Total		3,395,906					69,808.00	682,596,918.50
									221 293 904.00
									2 042 073 004 242.70

Grand Total	5,557,928					116,898.00	1 024 091 950.10	302,412,425	2,841,511,875,699.88
--------------------	------------------	--	--	--	--	-------------------	-------------------------	--------------------	-----------------------------
