



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 13-December-2017

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME
Future									
Jan 2018	DAAD	Future	5	10.3420	10.3741	0.0000	0.0000	0	0.00
Feb 2018	DAAD	Future	46	10.4096	10.4416	0.0000	0.0000	0	0.00
			<u>51</u>					<u>0.00</u>	<u>0.00</u>
		Total	51					0.00	0.00
									77 060.00 730 229 419.30
									146 060.00 730 229 419.30
Future									
Dec 2017	DAEU	Future	3	15.9080	16.0421	0.0000	0.0000	0	0.00
Dec 2017	DAEU	Future	800	15.9442	16.0809	0.0000	0.0000	0	0.00
Jan 2018	DAEU	Future	30	16.0870	16.2203	0.0000	0.0000	0	0.00
Mar 2018	DAEU	Future	63	16.2341	16.3683	0.0000	0.0000	0	0.00
Mar 2018	DAEU	Future	3	16.2851	16.4194	0.0000	0.0000	0	0.00
			<u>899</u>					<u>0.00</u>	<u>0.00</u>
									248 727.00 3 589 786 759.20
Option									
Jan 2018	DAEU	15.80 Put	193,000	327.0537	273.0871	0.0000	0.0000	0	0.00
Feb 2018	DAEU	16.41 Put	114,748	689.2946	610.0155	0.0000	0.0000	0	0.00
			<u>307,748</u>					<u>0.00</u>	<u>0.00</u>
		Total	308,647					0.00	0.00
									632 539.00 0.00
									881 266.00 3 589 786 759.20
Future									
Dec 2017	DAGB	Future	10	18.1005	18.2157	0.0000	0.0000	0	0.00
Jan 2018	DAGB	Future	10	18.2793	18.3895	0.0000	0.0000	0	0.00
Mar 2018	DAGB	Future	17	18.3771	18.4876	0.0000	0.0000	0	0.00
Mar 2018	DAGB	Future	38	18.4243	18.5352	0.0000	0.0000	0	0.00
			<u>75</u>					<u>0.00</u>	<u>0.00</u>
		Total	75					0.00	0.00
									53 555.00 878 571 162.50
									260 868.00 878 571 162.50
Future									
Dec 2017	DAUS	Future	241	13.5382	13.6602	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	1,781	13.5382	13.6602	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	300	13.5447	13.6687	0.0000	0.0000	0	0.00

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Dec 2017	DAUS	Future	221	13.5490	13.6729	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	916	13.5618	13.6855	0.0000	0.0000	0	0.00
Dec 2017	DAUS	Future	1,000	13.5660	13.6897	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	677	13.5787	13.7022	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	220	13.5893	13.7127	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	500	13.5914	13.7148	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	241	13.5956	13.7190	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	574	13.6020	13.7253	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	500	13.6041	13.7274	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	241	13.6083	13.7316	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	70	13.6230	13.7464	0.0000	0.0000	0	0.00
Jan 2018	DAUS	Future	2,430	13.6356	13.7590	0.0000	0.0000	0	0.00
Feb 2018	DAUS	Future	70	13.6629	13.7864	0.0000	0.0000	0	0.00
Feb 2018	DAUS	Future	10	13.6671	13.7907	0.0000	0.0000	0	0.00
Feb 2018	DAUS	Future	1,000	13.6943	13.8181	0.0000	0.0000	0	0.00
Mar 2018	DAUS	Future	2,641	13.7257	13.8498	0.0000	0.0000	0	0.00
Mar 2018	DAUS	Future	1,199	13.7556	13.8799	0.0000	0.0000	0	0.00
Apr 2018	DAUS	Future	70	13.8111	13.9360	0.0000	0.0000	0	0.00
Apr 2018	DAUS	Future	110	13.8239	13.9489	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	70	13.8473	13.9726	0.0000	0.0000	0	0.00
May 2018	DAUS	Future	181	13.8900	14.0157	0.0000	0.0000	0	0.00
Jun 2018	DAUS	Future	445	13.9524	14.0790	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	100	13.9589	14.0856	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,800	13.9979	14.1253	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,000	14.0065	14.1342	0.0000	0.0000	500	7,013,100.00
Jul 2018	DAUS	Future	70	14.0087	14.1364	0.0000	0.0000	0	0.00
Jul 2018	DAUS	Future	1,853	14.0217	14.1496	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	70	14.0498	14.1783	0.0000	0.0000	0	0.00
Aug 2018	DAUS	Future	1,336	14.0888	14.2180	0.0000	0.0000	0	0.00
Sep 2018	DAUS	Future	1,295	14.1499	14.2802	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	70	14.2095	14.3405	0.0000	0.0000	0	0.00
Oct 2018	DAUS	Future	225	14.2183	14.3494	0.0000	0.0000	0	0.00
Nov 2018	DAUS	Future	70	14.2514	14.3830	0.0000	0.0000	0	0.00
Feb 2019	DAUS	Future	70	14.4640	14.5994	0.0000	0.0000	0	0.00
Jul 2020	DAUS	Future	84,000	15.8153	15.9629	0.0000	0.0000	0	0.00
			<u>107,667</u>					<u>500.00</u>	<u>7,013,100.00</u>
									<u>6 926 058.00</u>
									<u>83 994 766 410.50</u>
Option									
Dec 2017	DAUS	13.78 Call	5,000	69.2326	120.5763	0.0000	0.0000	0	0.00
Dec 2017	DAUS	13.50 Put	60	274.2691	206.6195	0.0000	0.0000	0	0.00
Dec 2017	DAUS	18.02 Call	60	1.5600	1.7640	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.50 Call	150	68.9148	88.7240	0.0000	0.0000	0	0.00
Dec 2017	DAUS	14.80 Call	200	38.3867	50.9868	0.0000	0.0000	0	0.00

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Jan 2018	DAUS	12.50 Put	20,000	32.2811	21.1587	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.25 Put	20,000	199.6354	158.7738	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.20 Put	2,000	183.7388	145.5885	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.76 Call	1,000	63.9647	80.6044	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.88 Call	1,000	52.6521	66.8690	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.50 Put	238	319.4987	0.0000	0.0000	0.0000	238	0.00
Jan 2018	DAUS	13.75 Call	238	309.2392	0.0000	0.0000	0.0000	476	0.00
Jan 2018	DAUS	14.12 Call	50,000	190.4366	228.0909	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.90 Put	20,000	559.0664	483.4223	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.75 Put	18,000	465.7018	397.3062	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.20 Put	17,000	219.2290	0.0000	0.0000	0.0000	17,000	0.00
Jan 2018	DAUS	13.25 Put	107,000	238.0892	197.4137	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.27 Put	154,000	245.9107	204.2835	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.30 Put	40,904	257.9408	214.8795	0.0000	0.0000	0	0.00
Jan 2018	DAUS	13.40 Put	168,000	300.6409	252.7293	0.0000	0.0000	0	0.00
Jan 2018	DAUS	14.25 Call	29,000	209.3715	245.2496	0.0000	0.0000	19,821	0.00
Feb 2018	DAUS	12.57 Put	242	64.2775	49.3905	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.04 Put	234	167.1077	136.0440	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.15 Put	3,496	203.0925	167.0778	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.22 Call	242	64.0921	78.9803	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.52 Call	2,723	41.7853	52.0217	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.79 Call	234	28.1158	35.2872	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.88 Call	773	24.5862	30.9330	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.20 Put	35,000	227.5506	189.2345	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.80 Put	35,000	520.7809	452.5526	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.16 Put	1,880	216.4646	179.4522	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.86 Put	1,880	561.3167	490.4771	0.0000	0.0000	0	0.00
Feb 2018	DAUS	15.05 Call	1,880	94.5738	112.5279	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.75 Put	20,000	498.0008	433.2575	0.0000	0.0000	0	0.00
Feb 2018	DAUS	13.90 Put	20,000	590.4419	518.4621	0.0000	0.0000	0	0.00
Feb 2018	DAUS	14.20 Put	20,000	801.8751	718.8172	0.0000	0.0000	0	0.00
Feb 2018	DAUS	14.18 Put	90,000	798.9517	717.0028	0.0000	0.0000	0	0.00
Mar 2018	DAUS	13.40 Put	100,000	345.6498	296.4542	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.00 Put	1,000	1450.6981	1352.2026	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.81 Call	2,000	146.8581	163.0033	0.0000	0.0000	0	0.00
Apr 2018	DAUS	13.80 Put	1,000	606.8592	541.9616	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.23 Call	500	233.8219	257.1462	0.0000	0.0000	0	0.00
Apr 2018	DAUS	15.66 Call	500	171.6514	190.0225	0.0000	0.0000	0	0.00
May 2018	DAUS	12.74 Put	1,880	184.5553	156.9423	0.0000	0.0000	0	0.00
May 2018	DAUS	13.86 Put	1,880	647.5330	580.7385	0.0000	0.0000	0	0.00
May 2018	DAUS	15.63 Call	1,880	190.7545	210.3193	0.0000	0.0000	0	0.00
May 2018	DAUS	12.75 Put	11,000	190.4309	162.4966	0.0000	0.0000	0	0.00

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May 2018	DAUS	14.50 Put	11,000	1067.6049	981.5050	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.76 Call	11,000	182.2020	200.7518	0.0000	0.0000	0	0.00		
May 2018	DAUS	13.80 Put	1,000	628.6687	564.5768	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.43 Call	500	260.3934	284.5639	0.0000	0.0000	0	0.00		
May 2018	DAUS	15.89 Call	500	194.0271	212.4448	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	13.80 Put	1,000	647.9695	584.5334	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	15.62 Call	500	284.2778	308.5596	0.0000	0.0000	0	0.00		
Jun 2018	DAUS	16.10 Call	500	215.5802	234.2677	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.19 Put	1,500	888.5379	814.5300	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	14.45 Put	1,500	1056.6875	976.1212	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.72 Call	1,500	313.7013	338.7285	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.94 Call	1,500	278.8715	301.1752	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	13.80 Put	1,000	666.0597	603.5538	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	15.82 Call	500	309.8894	334.1968	0.0000	0.0000	0	0.00		
Jul 2018	DAUS	16.32 Call	500	239.1345	257.9254	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	12.32 Put	1,880	141.3460	123.8857	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.86 Put	1,880	701.9889	638.2888	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.18 Call	1,880	268.4597	288.9940	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	13.80 Put	1,000	680.9133	620.4263	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.05 Call	500	327.5307	351.9530	0.0000	0.0000	0	0.00		
Aug 2018	DAUS	16.57 Call	500	256.1137	275.4656	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	13.80 Put	1,000	693.2235	632.9299	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.25 Call	500	344.0223	368.8048	0.0000	0.0000	0	0.00		
Sep 2018	DAUS	16.80 Call	500	270.4487	289.8005	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	13.80 Put	1,000	705.4169	646.0396	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	16.47 Call	500	365.0012	389.5969	0.0000	0.0000	0	0.00		
Oct 2018	DAUS	17.02 Call	500	292.7334	312.2016	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	11.90 Put	1,880	82.6338	64.1728	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.86 Put	1,880	737.7087	677.4334	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.81 Call	1,880	325.1053	346.9505	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	13.80 Put	1,000	715.0748	656.8505	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	16.70 Call	500	379.2692	403.1172	0.0000	0.0000	0	0.00		
Nov 2018	DAUS	17.31 Call	500	304.1573	321.0970	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.65 Put	20,000	643.5645	591.5772	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	15.69 Call	20,000	583.6485	619.1124	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	13.80 Put	1,000	727.1876	668.9159	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	16.93 Call	500	400.1438	424.1712	0.0000	0.0000	0	0.00		
Dec 2018	DAUS	17.58 Call	500	325.8128	341.7744	0.0000	0.0000	0	0.00		
			<u>1,104,354</u>					<u>37,535.00</u>	<u>0.00</u>	<u>15 613 061.00</u>	<u>0.00</u>
		Total	1,212,021					38,035.00	7,013,100.00	22 539 119.00	83 994 766 410.50

Future

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Mar 2018	EUUS	Future	15	1.1831	1.1822	0.0000	0.0000	0	0.00		
			15					0.00	0.00	649 125.00	7 293 499 720.00
		Total	15					0.00	0.00	649 125.00	7 293 499 720.00
Future											
Dec 2017	ZAAD	Future	9,333	10.2977	10.3307	10.3381	10.3004	5,420	55,986,949.00		
Mar 2018	ZAAD	Future	4,259	10.4389	10.4710	10.4877	10.4833	1,720	18,035,881.00		
Jun 2018	ZAAD	Future	5,012	10.5850	10.6179	0.0000	0.0000	0	0.00		
Dec 2018	ZAAD	Future	10,812	10.8839	10.9175	0.0000	0.0000	0	0.00		
			29,416					7,140.00	74,022,830.00	3 473 471.00	29 943 246 326.50
		Total	29,416					7,140.00	74,022,830.00	3 505 848.00	29 943 246 326.50
Future											
Dec 2017	ZACA	Future	600	10.5331	10.6217	10.5601	10.5601	250	2,640,025.00		
Mar 2018	ZACA	Future	250	10.6999	10.7876	0.0000	0.0000	0	0.00		
			850					250.00	2,640,025.00	123 403.00	1 213 849 932.10
		Total	850					250.00	2,640,025.00	123 403.00	1 213 849 932.10
Future											
Dec 2017	ZADK	Future	350	2.1462	2.1644	2.1503	2.1503	100	2,150,300.00		
			350					100.00	2,150,300.00	10 920.00	235 376 009.00
		Total	350					100.00	2,150,300.00	10 920.00	235 376 009.00
Future											
Dec 2017	ZAEU	Future	92,841	15.9149	16.0523	16.0415	15.9106	8,073	129,221,495.10		
Mar 2018	ZAEU	Future	58,929	16.2486	16.3829	16.4211	16.3321	889	14,565,018.80		
Jun 2018	ZAEU	Future	1,851	16.5770	16.7141	16.7399	16.7399	24	401,757.60		
Sep 2018	ZAEU	Future	5,142	16.9182	17.0614	0.0000	0.0000	0	0.00		
Dec 2018	ZAEU	Future	1,928	17.2596	17.4068	0.0000	0.0000	0	0.00		
			160,691					8,986.00	144,188,271.50	13 016 443.00	183 951 600 594.90
Option											
Dec 2017	ZAEU	14.00 Put	18,000	2.4922	1.4111	0.0000	0.0000	0	0.00		
Dec 2017	ZAEU	16.39 Call	18,000	92.4340	117.8361	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	15.05 Put	5,648	151.4398	125.5077	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	15.10 Put	19,510	162.4592	135.1347	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	16.39 Put	174,600	691.0140	614.0881	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	16.50 Call	643	507.2571	560.7604	0.0000	0.0000	0	0.00		
Mar 2018	ZAEU	17.00 Call	620	349.3958	387.9383	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.75 Put	54,507	46.5469	42.6400	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	13.97 Put	7,000	61.7243	55.6430	0.0000	0.0000	0	0.00		
Jun 2018	ZAEU	15.25 Put	54,507	258.3435	223.0023	0.0000	0.0000	0	0.00		

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Jun 2018	ZAEU	16.44 Put	7,000	738.9682	666.9740	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	18.61 Call	7,000	279.0613	301.5480	0.0000	0.0000	0	0.00	
Jun 2018	ZAEU	20.55 Call	54,507	103.5964	113.2146	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	14.25 Put	166,283	99.6818	85.6487	0.0000	0.0000	249,534	0.00	
Sep 2018	ZAEU	15.85 Put	124,767	478.6369	0.0000	0.0000	0.0000	124,767	0.00	
Sep 2018	ZAEU	16.00 Put	41,516	535.4022	484.1513	0.0000	0.0000	0	0.00	
Sep 2018	ZAEU	19.56 Call	124,767	338.9900	0.0000	0.0000	0.0000	249,534	0.00	
Sep 2018	ZAEU	21.63 Call	41,516	191.9666	199.2994	0.0000	0.0000	0	0.00	
			920,391					623,835.00	0.00	6 627 533.00
		Total	1,081,082					632,821.00	144,188,271.50	19 643 976.00
										183 951 600 594.90
Future										
Dec 2017	ZAFR	Future	1,215	13.6811	13.7738	13.7030	13.7030	250	3,425,750.00	
			1,215					250.00	3,425,750.00	600 453.00
		Total	1,215					250.00	3,425,750.00	6 390 170 956.60
Future										
Dec 2017	ZAGB	Future	45,792	18.1075	18.2259	18.2520	18.1353	1,857	33,688,063.50	
Mar 2018	ZAGB	Future	195,106	18.4386	18.5496	18.4925	18.4500	1,787	33,040,492.40	
Jun 2018	ZAGB	Future	5,182	18.7606	18.8738	0.0000	0.0000	0	0.00	
Sep 2018	ZAGB	Future	3,626	19.0895	19.2085	0.0000	0.0000	50	954,885.00	
			249,706					3,694.00	67,683,440.90	9 638 037.00
		Total								161 196 823 652.60
Option										
Dec 2017	ZAGB	18.20 Call	400	270.9985	326.2751	0.0000	0.0000	0	0.00	
Dec 2017	ZAGB	19.80 Call	800	22.9155	23.1306	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	17.00 Put	500	197.0849	179.7094	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	19.00 Call	1,500	513.9880	558.8298	0.0000	0.0000	0	0.00	
Mar 2018	ZAGB	20.14 Call	500	241.9530	266.1373	0.0000	0.0000	0	0.00	
			3,700					0.00	0.00	1 773 113.00
		Total	253,406					3,694.00	67,683,440.90	11 411 150.00
										161 196 823 652.60
Future										
Dec 2017	ZAJY	Future	80	0.1197	0.1203	0.0000	0.0000	0	0.00	
Mar 2018	ZAJY	Future	115	0.1221	0.1227	0.0000	0.0000	0	0.00	
			195					0.00	0.00	953 210.00
		Total	195					0.00	0.00	10 622 152 867.80
Future										
Jun 2018	ZAKS	Future	1,145	0.1302	0.1311	0.0000	0.0000	0	0.00	
Sep 2018	ZAKS	Future	562	0.1300	0.1295	0.0000	0.0000	0	0.00	
			1,707					0.00	0.00	31 923.00
		Total								432 652 210.00

DATE	CONTRACT		OPEN INT	MTM	PREV MTM	HIGH	LOW	DAILY VOLUME	CUMULATIVE VOLUME		
Total			1,707					0.00	0.00	31 923.00	432 652 210.00
Future											
Mar 2018	ZATR	Future	433	3.4702	3.5096	0.0000	0.0000	0	0.00		
			<u>433</u>					<u>0.00</u>	<u>0.00</u>	238 189.00	860 554 603.00
Total			433					0.00	0.00	238 189.00	860 554 603.00
Future											
Dec 2017	ZAUM	Future	333	13.5426	13.6666	0.0000	0.0000	0	0.00		
Mar 2018	ZAUM	Future	399	13.7342	13.8584	0.0000	0.0000	70	96,985,000.00		
Jun 2018	ZAUM	Future	86	13.9285	14.0547	0.0000	0.0000	0	0.00		
			<u>818</u>					<u>70.00</u>	<u>96,985,000.00</u>	145 607.00	167 417 910 390.00
Total			818					70.00	96,985,000.00	150 130.00	167 417 910 390.00
Future											
Dec 2017	ZAUS	Future	358,641	13.5426	13.6666	13.6800	13.5401	137,433	1,875,106,685.20		
Mar 2018	ZAUS	Future	703,820	13.7342	13.8584	13.8775	13.7850	151,144	2,091,185,234.30		
Jun 2018	ZAUS	Future	128,935	13.9285	14.0547	13.9950	13.9950	6,350	88,703,955.00		
Sep 2018	ZAUS	Future	3,787	14.1257	14.2556	0.0000	0.0000	35	494,508.00		
			<u>1,195,183</u>					<u>294,962.00</u>	<u>4,055,490,382.50</u>	161 204 129.00	1 895 105 729 043.40
Option											
Dec 2017	ZAUS	11.75 Put	1,000	1.9550	1.5140	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.00 Put	16,141	4.3396	3.3194	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.16 Put	550	7.1021	5.4015	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.20 Put	4,000	8.0145	6.0885	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.21 Put	18,000	8.1190	6.2728	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.40 Put	114,600	10.3709	9.2827	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.50 Put	16,416	11.9313	10.6018	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.56 Put	7,100	13.0341	11.5233	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.65 Put	1,819	14.9832	13.1317	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.75 Put	10,000	17.6781	15.3175	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	12.76 Put	550	17.9850	15.5638	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.00 Put	10,500	41.5928	26.9968	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.10 Put	41,000	61.6717	41.0740	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.18 Put	16,000	82.0961	55.8511	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.20 Call	7,000	430.4522	526.6878	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.20 Put	6,728	87.8522	60.0878	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.21 Put	5,000	90.8313	62.2919	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.22 Put	7,100	93.8776	64.5535	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.25 Call	16,141	396.0268	488.2941	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.35 Put	52,000	139.8093	99.5271	0.0000	0.0000	0	0.00		
Dec 2017	ZAUS	13.40 Put	114,600	160.6764	115.8890	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>
Dec 2017	ZAUS	13.50 Call	11,116	250.3946	320.3436	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.52 Put	21,000	218.0726	162.1509	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.53 Put	3,700	223.3166	166.4603	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.56 Put	3,700	239.2579	179.8091	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.60 Call	4,000	203.5249	265.1918	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.64 Put	4,400	283.6807	218.4938	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.67 Put	640	301.4512	234.0412	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Call	3,750	140.8676	190.7880	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.76 Put	3,000	358.2676	284.1880	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.80 Put	550	385.1447	308.2021	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.90 Put	2,600	456.4256	372.6587	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	13.93 Call	7,820	91.4818	129.7727	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Call	19,000	75.6534	109.6160	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.00 Put	34,000	533.0534	443.0160	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.27 Put	40,000	762.2813	657.6171	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.40 Call	1,000	27.6061	38.8099	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Call	8,000	23.3118	31.2108	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.50 Put	2,055	980.7118	864.6108	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.63 Call	10,000	18.9707	23.6468	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	14.90 Call	1,500	12.9574	13.6181	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.00 Call	4,580	10.8520	11.2049	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.11 Call	1,900	8.9831	9.1900	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.50 Call	25,457	4.8378	4.8260	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	15.60 Call	10,000	4.1808	4.1510	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	16.00 Call	117,200	2.4510	2.4030	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.13 Call	18,000	0.2052	0.2550	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	17.24 Call	33,000	0.1549	0.1942	0.0000	0.0000	0	0.00
Dec 2017	ZAUS	18.06 Call	2,055	0.0147	0.0208	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.00 Put	225,000	45.1236	37.9791	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.36 Put	20,880	75.6345	62.4335	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.40 Put	2,500	79.9854	65.9134	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.50 Put	26,200	95.9451	77.5467	0.0000	0.0000	200	0.00
Mar 2018	ZAUS	12.57 Put	3,000	108.4611	88.2525	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.82 Put	10,323	163.0774	135.6657	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	12.94 Put	5,000	195.2594	164.0246	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.00 Put	105,016	212.8954	179.6726	0.0000	0.0000	150	0.00
Mar 2018	ZAUS	13.22 Put	15,000	290.3610	247.1219	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.25 Put	45,478	302.2633	257.8162	0.0000	0.0000	43,000	0.00
Mar 2018	ZAUS	13.32 Put	7,500	331.1693	283.8927	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.38 Put	2,500	357.2058	307.4922	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.40 Put	7,500	366.1443	315.6145	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.50 Call	40,000	646.9510	716.5526	0.0000	0.0000	0	0.00

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Mar 2018	ZAUS	13.50 Put	17,750	412.7510	358.1526	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.52 Put	7,200	422.4534	0.0000	0.0000	0.0000	7,200	0.00
Mar 2018	ZAUS	13.60 Call	0	596.7281	662.2842	0.0000	0.0000	85,477	0.00
Mar 2018	ZAUS	13.60 Put	200,389	462.5281	403.8842	0.0000	0.0000	87,953	0.00
Mar 2018	ZAUS	13.70 Call	25,150	549.6148	611.1781	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.72 Call	100	540.5571	601.3305	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.72 Put	100	526.3571	462.9305	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.74 Put	20,880	537.4197	473.2067	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.76 Call	4,000	522.9451	582.0062	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.79 Call	2,000	510.3612	567.8368	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.84 Put	1,000	595.7788	526.4273	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.89 Call	1,000	470.3180	523.1681	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.89 Put	1,000	626.1180	554.7681	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.91 Put	7,000	638.4516	566.3730	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.93 Call	100	455.0970	506.4951	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.93 Put	10,323	650.8970	578.0951	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.95 Put	1,000	663.4532	589.9337	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	13.98 Put	200	682.4942	607.9068	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.00 Call	10,000	429.5225	478.4327	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.02 Call	55	422.4579	470.6688	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.05 Put	500	727.8604	650.8357	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.07 Call	100	405.2584	451.7530	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.12 Call	4,951	388.7033	433.5213	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.16 Put	750	801.7104	721.0158	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.18 Put	41,000	815.4616	734.1219	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Call	36	363.5097	405.7315	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.20 Put	65,000	829.3097	747.3315	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.22 Put	2,000	843.2536	760.6436	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.25 Call	4,167	348.5479	389.2001	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.44 Call	10,000	296.8420	331.9131	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.45 Call	17,000	294.3333	329.1281	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.49 Put	80,000	1040.3600	949.8136	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.50 Call	10,490	282.1673	315.5380	0.0000	0.0000	10,000	0.00
Mar 2018	ZAUS	14.50 Put	400	1047.9673	957.1380	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.52 Put	850	1063.2406	971.8535	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.54 Call	7,500	272.7891	305.0512	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.57 Call	100	265.9589	297.4741	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.60 Call	100	259.2949	290.1087	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.75 Call	20,880	228.3840	255.8955	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.86 Call	15,000	208.0918	233.3899	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.90 Call	5,000	201.1734	225.7108	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	14.91 Call	18,718	199.4812	223.8296	0.0000	0.0000	0	0.00

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Mar 2018	ZAUS	14.95 Call	3,000	192.8543	216.4694	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.00 Call	6,126	184.8869	207.6129	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.11 Call	2,500	168.5272	189.4134	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.26 Call	2,500	147.8576	167.1488	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.46 Call	3,867	123.8951	140.4189	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.50 Call	65,000	119.5948	135.6139	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.57 Call	6,000	112.4285	127.5989	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	15.69 Call	750	101.1445	114.9657	0.0000	0.0000	0	0.00
Mar 2018	ZAUS	16.00 Call	13,276	77.0744	87.9471	0.0000	0.0000	20,000	0.00
Mar 2018	ZAUS	16.16 Call	225,000	67.0644	76.6770	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.00 Put	750	14.6151	14.5671	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	11.50 Put	66	32.8040	28.6393	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.00 Put	137,000	76.5680	66.0179	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.25 Put	104,895	110.9924	95.5802	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.40 Put	12,603	136.6008	117.6928	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.50 Put	114,600	155.9487	134.4672	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.75 Put	66	215.0619	185.7373	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	12.96 Put	2,700	275.8577	240.7374	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.00 Put	30,358	288.5995	252.3373	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.05 Put	1,250	305.0645	267.3537	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.17 Put	965	347.0172	305.7762	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.22 Put	15,000	365.5235	322.7938	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.30 Put	2,050	397.6683	351.2599	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.46 Put	5,183	468.3557	415.5425	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.48 Put	7,420	477.6514	424.1867	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.50 Put	114,600	487.0442	432.9326	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.64 Put	70,530	555.6030	496.9820	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.75 Put	104,895	612.8385	550.7314	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.80 Put	500	639.8147	576.1415	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.81 Put	40,000	645.2816	581.2985	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.83 Put	300	656.2818	591.6808	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.84 Put	500	661.8188	596.9060	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	13.90 Put	1,000	695.5188	628.7692	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.00 Put	6,130	753.8276	683.7529	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.10 Put	7,028	814.6659	741.3599	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.25 Put	2,000	909.8988	832.4190	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.53 Call	7,600	498.0315	539.5608	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.71 Call	50	447.6758	484.7069	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	14.81 Call	500	422.3196	457.0551	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.11 Call	760	355.0078	384.2184	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.14 Call	2,700	348.9441	377.6488	0.0000	0.0000	0	0.00
Jun 2018	ZAUS	15.43 Call	15,000	294.8730	320.0905	0.0000	0.0000	0	0.00

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Jun 2018	ZAUS	15.50 Call	114,600	282.6182	307.1049	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.53 Call	965	277.5286	301.6136	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	15.79 Call	40,000	237.2110	258.0871	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.16 Call	5,183	190.1609	207.2118	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.38 Call	750	167.0136	182.1527	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.41 Call	300	164.1025	178.9986	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.49 Call	7,420	156.6052	170.8747	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.52 Call	66	153.8892	167.9334	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.65 Call	500	142.7099	155.8163	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	16.92 Call	104,895	123.8738	134.4066	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.00 Call	3,500	119.1537	129.3797	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.21 Call	500	107.8219	117.3087	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.28 Call	5,630	104.3590	113.6198	0.0000	0.0000	0	0.00		
Jun 2018	ZAUS	17.38 Call	7,028	99.6608	108.6144	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.00 Put	750	18.5660	19.0898	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	11.75 Put	73,314	57.6145	0.0000	0.0000	0.0000	146,628	0.00		
Sep 2018	ZAUS	12.61 Put	5,300	225.4074	197.1905	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.65 Put	1,550	237.0592	207.6601	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	12.85 Put	750	297.1474	265.2806	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.25 Put	73,314	434.8358	0.0000	0.0000	0.0000	73,314	0.00		
Sep 2018	ZAUS	13.36 Put	2,179	478.4971	433.0902	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.65 Call	1,464	1086.7602	1160.4779	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	13.73 Put	2,500	651.4219	593.0309	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	15.97 Call	5,300	369.9489	396.7910	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.04 Call	1,550	358.1531	384.1884	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.08 Call	2,179	351.6002	377.1859	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.14 Call	750	342.0153	366.9415	0.0000	0.0000	0	0.00		
Sep 2018	ZAUS	16.29 Call	73,314	319.2927	0.0000	0.0000	0.0000	146,628	0.00		
Sep 2018	ZAUS	17.02 Call	2,500	230.6957	247.5231	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	12.96 Put	23,443	372.8392	336.9471	0.0000	0.0000	0	0.00		
Dec 2018	ZAUS	17.24 Call	23,443	331.5155	350.2826	0.0000	0.0000	0	0.00		
Dec 2019	ZAUS	20.00 Call	2,000	623.6512	660.5861	0.0000	0.0000	0	0.00		
			<u>3,713,909</u>					<u>620,550.00</u>	<u>0.00</u>	<u>41 992 216.00</u>	<u>0.00</u>
	Total		4,909,092					915,512.00	4,055,490,382.50	203 196 345.00	1 895 105 729 043.40
	Grand Total		7,799,373					1,597,872.00	4 453 599 099.90	272,713,633	2,597,712,867,289.10