

## **DAR ES SALAAM STOCK EXCHANGE**

### **Market Report**

**Wednesday, 28<sup>th</sup> February, 2018**

DSE recorded a total turnover of TZS 118.57 mln from 34,558 shares traded in 48 deals compared to the last session which recorded a turnover of TZS 1,352.49 mln from 296,196 shares traded in 84 deals. On Government Bond Market Board, 5 years bond with 9.18% coupon rate and a total face value of 15.00 mln was traded at price 94.3903% in 1 deal. 10 years bonds with 11.44% coupon rate and a total face value of 122.30 mln was traded at prices 84.8168% and 90.6398 in 2 deals.

CRDB counter 205 shares traded at weighted average price of TZS 200 per share in 2 deals. DSE counter had 2,770 shares traded at weighted average price of TZS 1,580 per share in 13 deals. NMB counter had 63 shares traded at weighted average price of TZS 2,340 per share in 3 deals. TBL counter had 6,718 shares traded at weighted average price of TZS 14,000 per share in 15 deals. TPCC counter had 1,622 share traded at weighted average price of TZS 1,480 per share in 4 deals. VODA counter 23,180 shares traded at weighted average price of TZS 760 per share in 11 deals.

#### **Equities Market Turnover (in million TZS)**

	<b>28 Feb "18"</b>	<b>Jan- Mar "18"</b>	<b>Oct - Dec "17"</b>	<b>Jan –Mar "17"</b>
Total Turnover	118.57	70,995.03	195,334.15	75,297.08
Turnover from shares bought by foreign investors	111.52	68,006.39	192,309.17	73,316.79
%Buying Local Investors	5.95%	4.21%	1.34%	2.63%
%Buying Foreign Investors	94.05%	95.79%	98.66%	97.37%
Turnover from shares sold by foreign investors	0.00	49,307.79	103,054.21	36,715.81
%Selling Local Investors	100%	30.43%	0.30%	48.87%
%Selling Foreign Investors	0.00%	69.57%	99.70%	51.13%

#### **Key Equities Market Indicators:**

	<b>28 Feb "18"</b>	<b>31 Jan "17"</b>	<b>28 Feb "17"</b>
Total Market Capitalisation (TZS bln)	22,801.09	22,628.95	20,043.71
Domestic Market Capitalisation (TZS bln)	10,234.48	10,360.81	7,408.58
All Shares Index (DSEI)	2,367.67	2,349.79	2,304.11
Tanzania Share Index (TSI)	3,903.69	3,951.87	3,525.41
Industrial & Allied (IA)	5,365.55	5,504.27	4,534.35
Banks, Finance & Investment (BI)	2,607.85	2,555.28	2,541.37
Commercial Services (CS)	2,463.93	2,476.55	3,137.02
TZS/USD (BOT Mean Rate)	2,223.56	2,238.29	2,226.32
TZS/KE (BOT Mean Rate)	22.21	21.74	21.53
TZS/GBP (BOT Mean Rate)	3,180.14	3,092.31	2,762.65

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**For: CHIEF EXECUTIVE OFFICER**

## Dar Es Salaam Stock Exchange

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### EQUITY DAILY PRICES

DATE: 28-February-2018

Co.	Opening Price (TZS)	Closing Price (TZS)	High (TZS)	Low (TZS)	Turnover (TZS)	Deals	Outstanding Bids	Outstanding Offers	Volume	Market Cap (TZS) Billions
ACA	5,270	5,310	0	0	0	0	3,800	0	0	2,177.55
CRDB	200	200	200	190	40,950	2	995,432	12,150	205	522.37
DCB	380	380	0	0	0	0	0	41,187	0	25.77
DSE	1,620	1,580	1,600	1,580	4,377,720	13	5,989	7,370	2,770	37.64
EABL	5,380	5,290	0	0	0	0	0	0	0	4,183.20
JHL	11,070	10,983	0	0	0	0	0	0	0	795.97
KA	350	360	0	0	0	0	0	0	0	2,045.31
KCB	980	970	0	0	0	0	0	0	0	2,881.23
MBP	600	600	0	0	0	0	0	7,860	0	8.78
MCB	500	500	0	0	0	0	0	31,790	0	30.91
MKCB	830	830	0	0	0	0	0	9,042	0	17.11
MUCOBA	400	400	0	0	0	0	0	10,174	0	3.26
NMB	2,750	2,750	2,340	2,340	147,420	3	0	247,565	63	1,375.00
NMG	2,320	2,370	0	0	0	0	0	0	0	446.85
PAL	470	470	0	0	0	0	0	19,200	0	75.42
SWALA	500	500	0	0	0	0	0	400	0	49.98
SWIS	3,540	3,540	0	0	0	0	0	996	0	127.44
TBL	14,000	14,000	14,000	13,500	93,919,000	15	1,251	150	6,718	4,130.78
TCC	15,200	15,200	0	0	0	0	0	22,325	0	1,520.00
TCCL	1,200	1,200	0	0	0	0	0	21,900	0	76.41
TOL	780	780	0	0	0	0	0	32,810	0	44.85
TPCC	1,480	1,480	1,480	1,480	2,400,560	4	32,315	1,000	1,622	266.29
TTP	600	600	0	0	0	0	0	12,976	0	11.19
USL	100	100	0	0	0	0	0	0	0	36.50
VODA	850	850	800	760	17,684,400	11	0	139,490	23,180	1,904.00

Co.	Opening Price (TZS)	Closing Price (TZS)	High (TZS)	Low (TZS)	Turnover (TZS)	Deals	Outstanding Bids	Outstanding Offers	Volume	Market Cap (TZS) Billions
YETU	600	600	0	0	0	0	0	12,430	0	7.27
Total					118,570,050	48			34,558	22,801.09

## **DAR ES SALAAM STOCK EXCHANGE**

### **GOVERNMENT BONDS TRADE SUMMARY**

#### **Value of Government Bonds Traded (in billion TZS)**

	28-Feb"18"	Jan-March"18"	Oct – Dec "17"	Jan-March"17"
Face Value	0.137	199.69	156.1403	229.39
Transaction Value	0.119	182.39	129.4645	167.97

#### **Value of Corporate Bonds Traded (in Million TZS)**

	28-Feb"18"	Jan-March"18"	Oct – Dec "17"	Jan-March"17"
Face Value	-	1.61	285.51	116.00
Transaction Value	-	1.499	279.05	111.22

### **Government Bond Detailed Price Information**

Trade Date	Bond No.	Term (Years)	Coupon (%)	Issue Date	Maturity Date	Amount (Bln TZS)	Deals	Price	YTM (%)
28-01-2018	445	10	11.44	30-03-2017	30-03-2027	0.0955	1	84.8168	
28-02-2018	467	10	11.44	03-01-2018	02-01-2028	0.0268	1	90.6398	
28-02-2018	468	5	9.18	18-01-2018	18-01-2023	0.015	1	94.3903	
27-02-2018	468	5	9.18	18-01-2018	18-01-2023	4.985	1	93.8584	
26-02-2018	446	5	9.18	13-04-17	13-04-22	0.005	1	81.9999	
23-02-2018	348	10	11.44	06-09-2013	05-09-2023	5.00	1	105.0771	
22-02-2018	321	10	11.44	28-11-2012	28-11-2022	6.00	1	89.3795	
22-02-2018	321	10	11.44	28-11-2012	28-11-2022	6.00	1	100.5380	
22-02-2018	470	2	7.82	14-02-18	15-02-2020	0.50	1	98.9309	
21-02-2018	456	7	10.08	03-08-17	03-08-24	6.1	1	83.6799	
21-02-2018	456	7	10.08	03-08-17	03-08-24	6.1	1	92.0254	
21-02-2018	467	10	11.44	03-01-2018	02-01-2028	0.021	1	97.1466	
21-02-2018	348	10	11.44	06-09-2013	05-09-2023	7.5	1	88.3218	
21-02-2018	348	10	11.44	06-09-2013	05-09-2023	7.5	1	95.6103	
21-02-2018	454	15	13.50	06-07-2017	06-07-2032	10.7	1	93.1434	
21-02-2018	454	15	13.50	06-07-2017	06-07-2032	10.7	1	98.3010	
20-02-2018	348	10	11.44	06-09-2013	05-09-2023	0.9	1	96.3192	
20-02-2018	348	10	11.44	06-09-2013	05-09-2023	0.2	1	96.3192	
19-02-2018	461	7	10.08	01-02-17	01-02-24	0.1444	1	103.8352	
19-02-2018	456	7	10.08	03-08-17	03-08-24	1.00	1	87.5144	
16-02-2018	461	7	10.08	01-02-17	01-02-24	0.1444	1	101.9426	
16-02-2018	461	7	10.08	01-02-17	01-02-24	0.04	1	84.6355	
14-02-2018	467	10	11.44	03-01-2018	02-01-2028	1.00	1	89.4822	
14-02-2018	467	10	11.44	03-01-2018	02-01-2028	0.268	1	89.4822	
14-02-2018	467	10	11.44	03-01-2018	02-01-2028	0.232	1	89.4822	
14-02-2018	467	10	11.44	03-01-2018	02-01-2028	0.4	1	89.4822	
14-02-2018	464	15	13.50	23-11-2017	23-11-2032	1.5	1	97.9374	
14-02-2018	469	15	13.50	01-02-2018	01-02-2033	0.1097	1	91.0090	
14-02-2018	457	10	11.44	17-08-17	17-08-27	1.00	1	89.6644	
14-02-2018	457	10	11.44	17-08-17	17-08-27	0.5	1	90.1123	
14-02-2018	457	10	11.44	17-08-17	17-08-27	0.5	1	90.1123	

14-02-2018	457	10	11.44	17-08-17	17-08-27	0.07	1	81.8804	
14-02-2018	414	15	13.50	03-03-16	04-03-31	0.07	1	88.6900	
14-02-2018	414	15	13.50	03-03-16	04-03-31	0.0252	1	99.2061	
14-02-2018	414	15	13.50	03-03-16	04-03-31	0.0262	1	99.2366	
14-02-2018	414	15	13.50	03-03-16	04-03-31	0.0053	1	98.0454	
14-02-2018	437	15	13.50	08-12-16	08-12-31	0.0433	1	99.3073	
13-02-2018	469	15	13.50	01-02-2018	01-02-2033	1.50	1	98.0849	
12-02-2018	464	15	13.50	23-11-2017	23-11-2032	0.02	1	102.7577	
09-02-2018	464	15	13.50	23-11-2017	23-11-2032	0.02	1	102.7209	
09-02-2018	469	15	13.50	01-02-2018	01-02-2033	0.0850	1	100.1791	
07-02-2018	452	10	11.44	08-06-2017	08-06-2027	5.80	1	88.3244	
06-02-2018	469	15	13.50	01-02-2018	01-02-2033	5.00	1	95.2904	
06-02-2018	461	7	10.08	01-02-17	01-02-24	0.04	1	84.3096	
06-02-2018	447	15	13.50	27-04-17	27-04-32	0.0284	1	96.9523	
06-02-2018	465	2	7.82	06-12-2017	06-12-2019	6.00	1	96.0849	
05-02-2018	464	15	13.50	23-11-2017	23-11-2032	0.0225	1	100.00	
02-02-2018	427	15	13.50	12-07-2016	12-07-2031	0.022	1	79.0000	
02-02-2018	390	7	10.08	02-04-15	02-04-22	0.25	1	98.7677	
02-02-2018	441	5	9.18	02-02-17	02-02-22	0.25	1	97.3045	
02-02-2018	446	5	9.18	13-04-17	13-04-22	0.25	1	95.2316	
02-02-2018	453	5	9.18	22-06-17	22-06-22	1.00	1	93.2117	
01-02-2018	365	15	13.50	02-05-2014	02-05-2029	0.03	1	91.1292	
01-02-2018	453	5	9.18	22-06-17	22-06-22	1.00	1	91.6259	
01-02-2018	465	2	7.82	06-12-2017	06-12-2019	5.00	1	95.9437	
31-01-2018	361	7	10.08	06-03-2014	06-03-2021	0.02	1	94.7315	
31-01-2018	464	15	13.50	23-11-2017	23-11-2032	0.065	1	88.9628	
30-01-2018	459	15	13.50	14-09-17	14-09-2032	0.012	1	90.0975	
30-01-2018	447	15	13.50	27-04-17	27-04-32	0.012	1	88.6321	
30-01-2018	414	15	13.50	03-03-16	04-03-31	0.012	1	91.0455	
30-01-2018	465	2	7.82	06-12-2017	06-12-2019	11.00	1	95.8083	
30-01-2018	426	5	9.18	06-07-2016	06-07-2021	0.0251	1	92.4111	
29-01-2018	464	15	13.50	23-11-2017	23-11-2032	0.02	1	88.7767	
26-01-2018	464	15	13.50	23-11-2017	23-11-2032	10.00	1	91.9038	
25-01-2018	464	15	13.50	23-11-2017	23-11-2032	0.045	1	86.5411	
24-01-2018	454	15	13.50	06-07-17	06-07-2032	0.0615	1	93.3277	
24-01-2018	442	15	13.50	16-02-17	16-02-32	0.118	1	72.7672	
24-01-2018	464	15	13.50	23-11-2017	23-11-2032	0.70	1	93.9210	
24-01-2018	464	15	13.50	23-11-2017	23-11-2032	0.20	1	93.9210	
24-01-2018	464	15	13.50	23-11-2017	23-11-2032	0.30	1	93.9210	
23-01-2018	467	10	11.44	03-01-2018	02-01-2028	0.1433	1	85.4772	
23-01-2018	467	10	11.44	03-01-2018	02-01-2028	0.1433	1	85.4772	
23-01-2018	467	10	11.44	03-01-2018	02-01-2028	0.2866	1	85.4772	
23-01-2018	364	5	9.18	17-04-2014	17-04-2019	0.5	1	103.4541	
23-01-2018	461	7	10.08	12-10-2017	12-10-2024	1.00	1	83.4914	
23-01-2018	457	10	11.44	17-08-17	17-08-27	0.80	1	89.3553	
23-01-2018	457	10	11.44	17-08-17	17-08-27	2.2	1	89.3553	
22-01-2018	454	15	13.50	06-07-17	06-07-2032	4.70	1	95.6571	
22-01-2018	464	15	13.50	23-11-2017	23-11-2032	0.18	1	84.1959	
22-01-2018	457	10	11.44	17-08-17	17-08-27	3.00	1	88.9060	
22-01-2018	445	10	11.44	30-03-2017	30-03-2027	0.0852	1	90.4448	
22-01-2018	461	7	10.08	12-10-2017	12-10-2024	0.4	1	89.4569	

19-01-2018	464	15	13.50	23-11-2017	23-11-2032	0.16	1	93.9965	
18-01-2018	442	15	13.50	16-02-17	16-02-32	0.008	1	95.3373	
18-01-2018	409	15	13.50	23-12-2015	23-12-2030	0.0053		90.8790	
17-01-2018	467	10	11.44	03-01-2018	02-01-2028	0.299	1	83.5804	
16-01-2018	464	15	13.50	23-11-2017	23-11-2032	0.007	1	87.8698	
15-01-2018	464	15	13.50	23-11-2017	23-11-2032	0.022	1	94.3493	
15-01-2018	464	15	13.50	23-11-2017	23-11-2032	0.05	1	88.2200	
15-01-2018	464	15	13.50	23-11-2017	23-11-2032	0.043	1	93.8129	
11-01-2018	456	7	10.08	03-08-17	03-08-24	0.250	1	87.9223	
11-01-2018	454	15	13.50	06-07-17	06-07-2032	1.00	1	87.1164	
11-01-2018	454	15	13.50	06-07-17	06-07-2032	0.127	1	92.8202	
11-01-2018	432	15	13.50	29-09-16	29-09-31	0.076	1	95.1241	
11-01-2018	329	10	11.44	20-03-13	20-03-23	0.11	1	98.2918	
11-01-2018	434	7	10.08	27-10-16	27-10-23	0.0015	1	86.0001	
11-01-2018	457	10	11.44	17-08-17	17-08-27	1.00	1	88.9898	
11-01-2018	457	10	11.44	17-08-17	17-08-27	1.00	1	87.6315	
10-01-2018	415	2	7.82	17-03-16	17-03-18	0.0555	1	100.50	
10-01-2018	447	15	13.50	27-04-17	27-04-32	0.60	1	89.7730	
10-01-2018	447	15	13.50	27-04-17	27-04-32	0.70	1	89.7730	
10-01-2018	467	10	11.44	03-01-18	02-01-28	0.072	1	84.2627	
10-01-2018	467	10	11.44	03-01-18	02-01-28	0.217	1	84.2627	
10-01-2018	467	10	11.44	03-01-18	02-01-28	1.86	1	84.2627	
10-01-2018	467	10	11.44	03-01-18	02-01-28	0.145	1	84.2627	
10-01-2018	467	10	11.44	03-01-18	02-01-28	12.00	1	82.5028	
10-01-2018	454	15	13.50	06-07-17	06-07-2032	1.00	1	87.1167	
10-01-2018	464	15	13.50	23-11-2017	23-11-2032	4.70	1	92.8556	
09-01-2018	447	15	13.50	27-04-17	27-04-32	1.30	1	89.5226	
09-01-2018	407	10	11.44	27-11-15	26-11-25	0.015	1	75.9300	
09-01-2018	453	5	9.18	22-06-17	22-06-22	6.00	1	90.5091	
08-01-2018	464	15	13.50	23-11-2017	23-11-2032	0.11	1	93.2578	
08-01-2018	464	15	13.50	23-11-2017	23-11-2032	0.01	1	92.8762	
08-01-2018	452	10	11.44	08-06-2017	08-06-2027	10.00	1	85.5203	
08-01-2018	452	10	11.44	08-06-2017	08-06-2027	10.00	1	89.5203	
04-01-2018	466	7	10.08	21-12-2017	21-12-2024	0.5	1	70.56	
04-01-2018	466	7	10.08	21-12-2017	21-12-2024	1.00	1	70.56	
04-01-2018	466	7	10.08	21-12-2017	21-12-2024	1.00	1	70.56	
04-01-2018	461	7	10.08	12-10-2017	12-10-2024	2.35	1	87.3448	
04-01-2018	416	7	10.08	31-03-2016	31-03-2023	0.05	1	64.11	
04-01-2018	412	10	11.44	04-02-2016	04-02-2026	0.05	1	64.111	
27-12-2017	464	15	13.50	23-11-2017	23-11-2032	0.006	1	93.3002	
22.12.2017	452	10	11.44	08-06-2017	08-06-2027	0.0105	1	80.6077	
21.12.2017	452	10	11.44	08-06-2017	08-06-2027	12	1	84.8674	
21.12.2017	461	7	10.08	12-10-2017	12-10-2024	1	1	82.4275	
20.12.2017	426	5	9.18	06-07-2016	06-07-2021	0.0104	1	80.0110	
20.12.2017	452	10	11.44	08-06-2017	08-06-2027	0.0125	1	80.5747	
19.12.2017	427	15	13.50	12-07-2016	12-07-2031	0.135	1	95.1126	
19.12.2017	461	7	10.08	12-10-2017	12-10-2024	0.06	1	84.9743	
19.12.2017	452	10	11.44	08-06-2017	08-06-2027	0.021	1	80.5418	
19.12.2017	351	10	11.44	18-10-2013	18-10-2023	0.7	2	91.8883	
19.12.2017	464	15	13.50	23-11-2017	23-11-2032	0.599	1	91.9036	
19.12.2017	464	15	13.50	23-11-2017	23-11-2032	6.4986	3	88.2392	
18.12.2017	464	15	13.50	23-11-2017	23-11-2032	0.53	1	88.3301	
18.12.2017	464	15	13.50	23-11-2017	23-11-2032	5.2947	1	88.3301	

18.12.2017	464	15	13.50	23-11-2017	23-11-2032	0.6	1	89.2710	
18.12.2017	464	15	13.50	23-11-2017	23-11-2032	10	1	88.4953	
18-12-2017	395	7	10.08	11-06-2015	11-06-2022	0.37	1	87.3548	
14-12-2017	353	15	13.50	14-11-2013	14-11-2028	0.007	1	88.9592	
14-12-2017	464	15	13.50	23-11-2017	23-11-2032	1.00	1	88.7163	
14-12-2017	464	15	13.50	23-11-2017	23-11-2032	0.5993	1	89.7580	
13-12-2017	457	10	11.44	17-08-17	17-08-27	0.012	1	90.7445	
13-12-2017	444	7	10.08	16-03-17	16-03-24	1.00	1	88.6392	
13-12-2017	456	7	10.08	03-08-17	03-08-24	1.00	1	88.5040	
13-12-2017	457	10	11.44	17-08-17	17-08-27	0.50	1	86.8391	
13-12-2017	454	15	13.50	06-07-17	06-07-2032	0.50	1	95.1972	
13-12-2017	459	15	13.50	14-09-17	14-09-2032	0.62	1	92.5365	
13-12-2017	459	15	13.50	14-09-17	14-09-2032	0.38	1	92.5365	
12-12-2017	459	15	13.50	14-09-17	14-09-2032	0.50	1	93.8605	
12-12-2017	464	15	13.50	23-11-2017	23-11-2032	0.20	1	91.6854	
12-12-2017	454	15	13.50	06-07-17	06-07-2032	1.00	1	91.1965	
11-12-2017	464	15	13.50	23/11/2017	23/11/2032	0.1351	1	90.6179	
11-12-2017	464	15	13.50	23/11/2017	23/11/2032	0.3384	1	90.6179	
07-12-2017	464	15	13.50	23/11/2017	23/11/2032	0.3250	1	87.0496	
07-12-2017	464	15	13.50	23/11/2017	23/11/2032	0.0725	1	90.9958	
05-12-2017	464	15	13.50	23/11/2017	23/11/2032	0.44	1	88.1302	
04-12-2017	453	5	9.18	22-06-17	22-06-22	0.70	1	89.8019	
30-11-2017	464	15	13.50	23-11-17	23-11-32	7.00	1	87.6566	
29-11-2017	453	5	9.18	22-06-17	22-06-22	0.70	1	89.6414	
29-11-2017	447	15	13.50	27-04-17	27-04-32	0.0119	1	92.3924	
29-11-2017	464	15	13.50	23-11-17	23-11-32	0.077	1	91.3593	
29-11-2017	464	15	13.50	23-11-17	23-11-32	1.39	1	90.4004	
29-11-2017	457	10	11.44	17-08-17	17-08-27	0.50	1	85.7881	
29-11-2017	464	15	13.50	23-11-17	23-11-32	0.023	1	91.3593	
28-11-2017	376	10	11.44	18-09-14	18-09-24	0.068	1	87.8763	
28-11-2017	461	7	10.08	12-10-17	12-10-24	1.00	1	83.9026	
28-11-2017	453	5	9.18	22-06-17	22-06-22	0.30	1	89.6091	
28-11-2017	464	15	13.50	23-11-2017	23-11-32	5.00	1	88.1337	
28-11-2017	464	15	13.50	23-11-2017	23-11-32	3.00	1	87.6204	
21-11-2017	293	7	10.08	04-04-12	04-04-19	0.01	1	99.5435	
21-11-2017	447	15	13.50	27-04-17	27-04-32	0.025	1	83.2933	
15-11-2017	459	15	13.50	14-09-17	14-09-32	3.60	1	87.1846	
14-11-2017	461	7	10.08	12-10-17	12-10-24	0.13	1	81.6193	
10-11-2017	462	10	11.44	26-10-17	26-10-27	1.43	1	81.2398	
09-11-2017	454	15	13.50	06-07-17	06-07-32	5.00	1	90.4841	
09-11-2017	454	15	13.50	06-07-17	06-07-32	3.86	1	90.4841	
09-11-2017	447	15	13.50	27-04-17	27-04-32	2.14	1	90.4839	
08-11-2017	459	15	13.50	14-09-17	14-09-32	0.001	1	89.9294	
08-11-2017	427	15	13.50	25-07-16	21-07-31	0.002	1	92.2279	
06-11-2017	426	5	9.18	08-07-16	06-07-21	0.05	1	88.2717	
03-11-2017	453	5	9.18	22-06-17	22-06-22	15.00	1	91.3566	
03-11-2017	444	7	10.08	16-03-17	16-03-24	0.04	1	82.8791	
03-11-2017	440	10	11.44	19-01-17	19-01-27	0.59	1	82.9107	
03-11-2017	412	10	11.44	04-02-16	04-02-26	0.13	1	84.246	
03-11-2017	462	10	11.44	26-10-17	26-10-27	1.50	1	80.8078	
02-11-2017	414	15	13.50	03-03-16	04-03-31	0.0652	1	86.1349	
31-10-2017	390	7	10.08	02-04-15	02-04-22	0.05	1	92.4305	
31-10-2017	461	7	10.08	12-10-17	12-10-24	0.65	2	81.0540	

31-10-2017	462	10	11.44	26-10-17	26-10-27	10.0	1	79.0154	
27-10-2017	411	7	10.08	21-01-16	21-01-23	0.22	1	89.7863	
26-10-2017	414	15	13.50	03-03-16	04-03-31	0.01	1	88.8062	
26-10-2017	447	15	13.50	27-04-17	27-04-32	0.01	1	93.2389	
26-10-2017	459	15	13.50	14-09-17	14-09-32	0.01	1	87.9248	
25-10-2017	447	15	13.50	27-04-17	27-04-32	0.06	1	91.5316	
19-10-2017	387	5	9.18	19-02-15	19-02-20	0.02	1	88.6700	
18-10-2017	443	2	7.82	02-03-17	02-03-19	0.03	1	95.2291	
18-10-2017	447	15	13.50	27-04-17	27-04-32	0.01	1	93.6853	
18-10-2017	447	15	13.50	27-04-17	27-04-32	0.06	1	92.2752	
18-10-2017	445	10	11.44	30-08-17	30-03-27	0.01	1	77.9656	
18-10-2017	390	7	10.08	02-04-15	02-04-22	0.50	1	87.7767	
18-10-2017	445	10	11.44	30-08-17	30-03-27	0.02	1	82.5315	
18-10-2017	461	7	10.08	12-10-17	24-10-24	2.0	1	79.3050	
17-10-2017	452	10	11.44	08-06-17	08-06-27	12.00	1	87.4903	
17-10-2017	461	7	10.08	12-10-17	24-10-24	2.75	1	70.5600	
16-10-2017	453	5	9.18	22-06-17	22-06-22	5.00	1	90.7408	
13-10-2017	456	7	10.08	03-08-17	03-08-24	3.30	1	82.6741	
13-10-2017	459	15	13.50	14-09-17	14-09-32	0.04	1	84.0551	
13-10-2017	459	15	13.50	14-09-17	14-09-32	7.00	1	83.8581	
11-10-2017	408	5	9.18	10-12-15	10-12-20	0.33	1	93.4038	
11-10-2017	447	15	13.50	27-04-17	27-04-32	0.15	1	86.9944	
11-10-2017	414	15	13.50	03-03-16	04-03-31	0.10	1	82.675	
09-10-2017	459	15	13.50	14-09-17	14-09-32	0.06	1	86.6554	
09-10-2017	459	15	13.50	14-09-17	14-09-32	0.25	1	86.6554	
09-10-2017	436	5	9.18	28-11-16	24-11-21	0.7	1	88.3524	
06-10-2017	456	7	10.08	03-08-17	03-08-24	0.50	1	84.8484	
06-10-2017	401	7	10.08	03-08-17	03-08-24	0.87	1	87.0399	
06-10-2017	459	15	13.50	14-09-17	14-09-32	0.06	1	85.1878	
06-10-2017	459	15	13.50	14-09-17	14-09-32	0.50	1	87.4309	
05-10-2017	459	15	13.50	14-09-17	14-09-32	0.07	1	86.6556	
05-10-2017	360	15	13.50	20-02-14	20-02-29	0.03	1	86.3154	
04-10-2017	459	15	13.50	14-09-17	14-09-32	0.50	1	83.7618	
04-10-2017	442	15	13.50	16-02-17	16-02-32	0.002	1	83.9403	
04-10-2017	454	15	13.50	06-07-17	06-07-32	0.006	1	85.3606	
04-10-2017	427	15	13.50	25-07-16	21-07-31	0.011	1	84.8870	
27-09-2017	427	15	13.50	25-07-16	21-07-31	0.04	1	88.1715	
27-09-2017	427	15	13.50	25-07-16	21-07-31	0.03	1	88.2456	
27-09-2017	428	2	7.82	06-08-16	04-08-18	0.05	1	94.0669	
27-09-2017	423	2	7.82	26-05-16	26-05-18	0.05	1	97.0770	
25-09-2017	459	15	13.50	14-09-17	14-09-32	6.50	1	82.6255	



25-09-2017	442	15	13.50	16-02-17	16-02-32	0.058	1	87.2943	
21-09-2017	427	15	13.50	25-07-16	21-07-31	0.035	1	88.1712	
21-09-2017	459	15	13.50	14-09-17	14-09-32	4.00	2	82.6202	
21-09-2017	442	15	13.50	16-02-17	16-02-32	0.017	1	83.2228	
21-09-2017	442	15	13.50	16-02-17	16-02-32	0.050	1	82.5162	
20-09-2017	454	15	13.50	06-07-17	06-07-32	1.50	1	88.2669	
19-09-2017	459	15	13.50	14-09-17	14-09-32	7.00	2	82.5629	
19-09-2017	459	15	13.50	14-09-17	14-09-32	4.00	1	82.2859	
18-09-2017	448	2	7.82	11-05-17	11-05-19	10.00	1	96.2158	
18-09-2017	448	2	7.82	11-05-17	11-05-19	13.41	1	96.2026	
15-09-2017	390	7	10.08	02-04-15	02-04-22	0.50	1	91.8579	
14-09-2017	448	2	7.82	11-05-17	11-05-19	10.00	1	96.2159	
13-09-2017	457	10	11.44	17-08-17	17-08-27	1.86	1	78.0357	
12-09-2017	451	7	10.08	01-06-17	25-05-24	1.00	1	84.7419	
12-09-2017	448	2	7.82	11-05-17	11-05-19	5.00	1	96.2231	
11-09-2017	452	10	11.44	08-06-17	08-06-27	1.45	1	83.4616	
11-09-2017	457	10	11.44	17-08-17	17-08-27	0.10	1	84.7166	
11-09-2017	415	2	7.82	17-03-16	17-03-18	0.50	1	102.9805	
11-09-2017	451	7	10.08	01-06-17	25-05-24	1.00	1	84.3725	
11-09-2017	455	2	7.82	20-07-17	20-07-19	2.30	1	94.2634	
08-09-2017	452	10	11.44	08-06-17	08-06-27	1.00	1	84.0255	
08-09-2017	452	10	11.44	08-06-17	08-06-27	1.49	1	85.9965	
08-09-2017	440	10	11.44	19-01-17	19-01-27	0.015	1	76.0001	
08-09-2017	457	10	11.44	17-08-17	17-08-27	1.49	1	83.4576	
06-09-2017	446	5	9.18	13-04-17	13-04-22	1.00	1	87.3976	
06-09-2017	441	5	9.18	02-02-17	02-02-22	1.50	1	85.0862	
06-09-2017	452	10	11.44	08-06-17	08-06-27	1.00	1	80.6169	
06-09-2017	456	7	10.08	03-08-17	03-08-24	1.00	1	82.3947	
06-09-2017	454	15	13.50	06-07-17	06-07-32	0.23	1	88.9533	
05-09-2017	447	15	13.50	27-04-17	27-04-32	1.50	2	79.8601	
05-09-2017	447	15	13.50	27-04-17	27-04-32	2.00	2	77.8335	
05-09-2017	447	15	13.50	27-04-17	27-04-32	0.14	1	78.0359	
04-09-2017	456	7	10.08	03-08-17	03-08-24	2	2	82.1449	
04-09-2017	454	15	13.50	06-07-17	06-07-32	8.86	10	88.2295	
04-09-2017	447	15	13.50	27-04-17	27-04-32	2.14	1	90.8649	
31-08-17	457	10	11.44	17-08-17	17-08-27	1.49	1	79.3104	
31-08-17	414	15	13.50	03-03-16	04-03-31	0.04	1	76.2271	
30-08-2017	419	15	13.50	12-05-16	12-05-31	0.500	1	92.3297	

29-08-2017	457	10	11.44	17-08-17	17-08-27	2.000	1	77.6408	
29-08-2017	457	10	11.44	17-08-17	17-08-27	2.000	1	77.6408	
29-08-2017	457	10	11.44	17-08-17	17-08-27	0.470	1	77.6408	
29-08-2017	457	10	11.44	17-08-17	17-08-27	0.400	1	77.6474	
29-08-2017	432	15	13.50	29-09-16	29-09-31	0.020	1	85.7146	
28-08-2017	457	10	11.44	17-08-17	17-08-17	2.000	1	77.6409	
28-08-2017	445	10	11.44	30-08-17	30-03-27	0.050	1	81.5744	
28-08-2017	412	10	11.44	04-02-16	04-02-26	0.062	1	84.5472	
28-08-2017	329	10	11.44	20-03-13	20-03-23	0.190	1	87.3738	
28-08-2017	396	10	11.44	25-06-15	25-06-25	0.05	1	80.8690	
28-08-2017	457	10	11.44	17-0817	17-08-27	2.00	1	77.6409	
28-08-2017	441	5	9.18	02-02-17	02-02-22	0.080	1	82.9900	
28-08-2017	426	5	9.18	08-07-16	06-07-21	0.048	1	81.0165	
28-08-2017	434	7	10.08	27-10-16	27-10-23	0.232	1	79.5405	
28-08-2017	442	15	13.50	16-02-17	16-02-32	0.127	1	85.1106	
28-08-2017	427	15	13.50	25-07-16	21-07-31	0.060	1	81.6911	
28-08-2017	427	15	13.50	25-07-16	21-07-31	0.135	1	81.6911	
28-08-2017	365	15	13.50	02-05-14	02-05-29	0.300	1	90.0082	
28-08-2017	419	15	13.50	12-05-16	12-05-31	0.034	1	84.2874	
25-08-2017	447	15	13.50	27-04-17	27-04-32	0.029	1	95.3162	
25-08-2017	447	15	13.50	27-04-17	27-04-32	0.024	1	95.3162	
24-08-2017	453	5	9.18	22-06-17	22-06-22	4.00	1	89.0005	
24-08-2017	447	15	13.50	27-04-17	27-04-32	1.00	1	89.6130	
23-08-2017	457	10	11.44	17-08-17	17-08-27	1.500	1	77.9828	
22-08-2017	457	10	11.44	17-08-17	17-08-27	1.500	1	77.9826	
22-08-2017	457	10	11.44	17-08-17	17-08-27	1.500	1	77.9826	
22-08-2017	457	10	11.44	17-08-17	17-08-27	2.000	1	77.9826	
22-08-2017	457	10	11.44	17-08-17	17-08-27	1.500	1	77.9826	
22-08-2017	457	10	11.44	17-08-17	17-08-27	1.500	1	77.9826	
22-08-2017	386	10	11.44	05-02-15	05-02-25	0.030	1	75.0001	
16-08-2017	447	15	13.50	27-04-17	27-04-32	0.022	1	90.8175	
16-08-2017	427	15	13.50	25-07-16	21-07-31	0.051	1	89.4580	
14-08-2017	278	10	11.44	07-09-11	08-09-21	0.021	1	90.6849	
14-08-2017	444	7	10.08	16-03-17	16-03-24	0.140	1	71.2110	
11-08-2017	447	15	13.50	27-04-17	27-04-32	0.040	1	88.8754	
11-08-2017	442	15	13.50	16-02-17	16-02-32	0.104	1	77.2972	
11-08-2017	442	15	13.50	16-02-17	16-02-32	0.002	1	81.2898	
11-08-2017	442	15	13.50	16-02-17	16-02-32	0.061	1	77.2972	

11-08-2017	427	15	13.50	25-07-16	21-07-31	0.051	1	80.7298	
11-08-2017	427	15	13.50	25-07-16	21-07-31	0.092	1	80.7298	
11-08-2017	427	15	13.50	25-07-16	21-07-31	0.05	1	80.7298	
09-08-2017	444	7	10.08	16-03-17	16-03-24	0.045	1	86.1160	
09-08-2017	278	10	11.44	07-09-11	08-09-21	0.025	1	90.1770	
09-08-2017	454	15	13.50	06-07-17	06-07-32	0.014	1	87.9184	
04-08-2017	376	10	11.44	18-09-14	18-09-24	0.272	1	91.7707	
04-08-2017	454	15	13.50	06-07-17	06-07-32	1.500	1	86.9484	
04-08-2017	454	15	13.50	06-07-17	06-07-32	1.500	1	86.9484	
04-08-2017	454	15	13.50	06-07-17	06-07-32	1.500	1	86.9484	
03-08-2017	454	15	13.50	06-07-17	06-07-32	1.50	1	86.7009	
03-08-2017	454	15	13.50	06-07-17	06-07-32	3.00	1	86.7009	
31-07-2017	454	15	13.50	06-07-17	06-07-32	0.12	1	87.6385	
27-07-2017	412	10	11.44	04-02-16	04-02-26	0.06	1	84.5476	
27-07-2017	396	10	11.44	25-06-15	25-06-25	0.05	1	80.8690	
27-07-2017	427	15	13.50	25-07-17	21-07-31	0.14	1	81.6909	
27-07-2017	427	15	13.50	25-07-17	21-07-31	0.06	1	81.6909	
27-07-2017	434	7	10.08	27-10-16	27-10-23	0.23	1	79.5404	
27-07-2017	426	5	9.18	08-07-16	06-07-21	0.05	1	81.0165	
27-07-2017	441	5	9.18	02-02-17	02-02-22	0.08	1	82.9900	
27-07-2017	432	15	13.50	29-09-16	29-09-31	0.02	1	85.7146	
27-07-2017	419	15	13.50	12-05-16	12-05-31	0.03	1	84.2876	
27-07-2017	445	10	11.44	30-03-17	30-03-27	0.05	1	81.5746	
27-07-2017	329	10	11.44	20-03-13	20-03-23	0.19	1	87.3740	
27-07-2017	365	15	13.50	02-05-14	02-05-29	0.30	1	90.0081	
25-07-2017	409	15	13.50	23-12-15	23-12-30	0.17	1	90.7914	
25-07-2017	454	15	13.50	06-07-17	06-07-32	0.18	1	84.1955	
21-07-2017	431	5	9.18	15-09-16	15-09-21	0.07	1	77.9999	
21-07-2017	447	15	13.50	27-04-17	24-04-32	2.00	1	88.5706	
21-07-2017	453	5	9.18	22-06-17	22-06-22	15.00	1	88.8651	
20-07-2017	454	15	13.50	06-07-17	06-07-32	4.50	1	85.6969	
19-07-2017	454	15	13.50	06-07-17	06-07-32	15.00	1	85.6983	
19-07-2017	454	15	13.50	06-07-17	06-07-32	2.10	1	86.3642	
18-07-2017	442	15	13.50	16-02-17	16-02-32	0.26	1	78.5596	
18-07-2017	442	15	13.50	16-02-17	16-02-32	0.06	1	96.0643	
17-07-2017	454	15	13.50	06-07-17	06-07-32	0.15	1	85.4785	
17-07-2017	454	15	13.50	06-07-17	06-07-32	0.59	1	85.5878	
17-07-2017	442	15	13.50	16-02-17	16-02-32	0.80	1	76.7180	

14-07-2017	419	15	13.50	12-05-16	12-05-31	0.500	1	88.5064	
14-07-2017	447	15	13.50	27-04-17	24-04-32	1.051	1	88.8012	
14-07-2017	427	15	13.50	25-07-17	21-07-31	0.149	1	92.6066	
14-07-2017	454	15	13.50	06-07-17	06-07-32	1.000	1	86.2187	
13-07-2017	454	15	13.50	06-07-17	6-07-32	2.00	1	86.1450	
13-07-2017	451	7	10.08	01-06-17	25-05-24	5.00	1	83.9027	
13-07-2017	391	10	11.44	16-04-15	15-04-25	2.18	1	87.5369	
12-07-2017	454	15	13.50	06-07-17	6-07-32	10.00	1	85.3088	
11-07-2017	453	5	9.18	22-06-17	22-06-22	5.00	1	87.8488	
11-07-2017	453	5	9.18	22-06-17	22-06-22	10.00	1	87.8488	
11-07-2017	451	7	10.08	01-06-17	25-05-24	5.00	1	82.8354	
10-07-2017	445	10	11.44	30-03-17	30-03-27	4.00	1	90.3501	
10-07-2017	446	5	9.18	13-04-17	13-04-22	4.40	2	91.0671	
10-07-2017	419	15	13.50	12-05-16	12-05-31	0.05	1	94.0095	
06-07-2017	447	15	13.50	27-04-17	27-04-32	0.03	1	88.6515	
06-07-2017	445	10	11.44	30-03-17	30-03-27	4.00	1	90.2445	
06-07-2017	446	5	9.18	13-04-17	13-04-22	4.40	2	91.0225	
05-07-2017	446	5	9.18	13-04-17	13-04-22	0.50	1	91.8333	
05-07-2017	453	5	9.18	22-06-17	22-06-22	0.50	1	89.7954	
05-07-2017	423	2	7.82	26-05-16	26-05-18	0.05	1	101.0099	
05-07-2017	415	2	7.82	17-03-16	17-03-18	0.45	1	102.6700	
05-07-2017	408	5	9.18	10-12-15	10-12-20	0.20	1	95.5238	
05-07-2017	390	7	10.08	02-04-15	02-04-22	0.75	1	95.5661	
05-07-2017	428	2	7.82	06-08-16	04-08-18	0.25	1	102.9588	
05-07-2017	439	7	10.08	12-01-17	05-01-24	0.50	1	90.4628	
05-07-2017	441	5	9.18	02-02-17	02-02-22	0.20	1	93.9173	
05-07-2017	444	7	10.08	16-03-17	16-03-24	0.50	1	88.2795	
04-07-2017	446	5	9.18	13-04-17	13-04-22	1	1	89.2238	
29-06-2017	453	5	9.18	22-06-17	22-06-22	1.00	1	87.5900	
29-06-2017	453	5	9.18	22-06-17	22-06-22	5.00	1	87.2696	
28-06-2017	453	5	9.18	22-06-17	22-06-22	5.00	1	87.0716	
23-06-2017	443	2	7.82	02-03-17	02-03-19	0.500	1	94.8908	
22-06-2017	433	2	7.82	13-10-16	13-10-18	0.250	1	99.1007	
19-06-2017	440	10	11.44	19-01-17	19-01-27	0.063	1	78.8375	
15-06-2017	452	10	11.44	08-06-17	08-06-27	1.00	1	86.5679	
15-06-2017	423	2	7.82	26-05-16	26-05-18	0.28	1	96.4827	
14-06-2017	437	15	13.50	08-12-16	12-08-31	0.07	1	77.2700	
14-06-2017	442	15	13.50	16-02-17	16-02-32	0.28	1	81.2897	

13-06-2017	451	7	10.08	01-06-17	25-05-24	4.00	1	81.2107	
12-06-2017	442	15	13.50	16-02-17	16-02-32	4.00	1	88.7993	
09-06-2017	364	5	9.18	17-04-14	17-04-19	0.50	1	94.8217	
09-06-2017	448	2	7.82	11-05-17	11-05-19	0.03	1	87.5172	
09-06-2017	445	10	11.44	30-03-17	30-03-27	0.50	1	85.9691	
09-06-2017	448	2	7.82	11-05-17	11-05-19	0.17	1	87.5172	
08-06-2017	447	15	13.50	27-04-17	27-04-32	0.03	1	76.4148	
08-06-2017	447	15	13.50	27-04-17	27-04-32	0.02	1	76.4148	
08-06-2017	447	15	13.50	27-04-17	27-04-32	0.03	1	76.4148	
08-06-2017	364	5	9.18	17-04-14	17-04-19	0.50	1	93.3200	
08-06-2017	451	7	10.08	01-06-17	25-05-24	4.00	1	79.1958	
08-06-2017	442	15	13.50	16-02-17	16-02-32	4.00	1	86.5385	
07-06-2017	442	15	13.50	16-02-17	16-02-32	4.00	1	79.8408	
07-06-2017	445	10	11.44	30-03-17	30-03-27	1.00	1	77.5537	
06-06-2017	444	7	10.08	16-03-17	16-03-24	2.00	1	77.5866	
06-06-2017	446	5	9.18	13-04-17	13-04-22	5.00	1	81.7564	
06-06-2017	414	15	13.50	03-03-16	04-03-31	0.08	1	84.9151	
06-06-2017	415	2	7.82	17-03-16	17-03-18	1.17	1	101.2136	
05-06-2017	390	7	10.08	02-04-15	02-04-22	0.58	1	82.2264	
02-06-2017	447	15	13.50	27-04-17	27-04-32	2.30	1	81.1019	
02-06-2017	447	15	13.50	27-04-17	27-04-32	1.00	1	83.8090	
02-06-2017	441	5	9.18	02-02-17	02-02-22	1.50	1	83.6370	
02-06-2017	446	5	9.18	13-04-17	13-04-22	4.00	1	81.3301	
02-06-2017	390	7	10.08	02-04-15	02-04-22	0.50	1	84.8498	
31-05-2017	447	15	13.50	27-04-17	27-04-32	2.30	1	80.2328	
30-05-2017	446	5	9.18	13-04-17	13-04-22	1.47	1	78.5299	
26-05-2017	426	5	9.18	08-07-16	06-07-21	0.25	1	81.1748	
26-05-2017	431	5	9.18	15-09-16	15-09-21	0.10	1	78.7540	
26-05-2017	436	5	9.18	28-11-16	24-11-21	0.50	1	76.3656	
26-05-2017	441	5	9.18	02-02-17	02-02-22	0.30	1	78.2934	
26-05-2017	443	2	7.82	02-03-17	02-03-19	0.25	1	90.2586	
26-05-2017	446	5	9.18	13-04-17	13-04-22	0.40	1	75.7542	
24-05-2017	444	7	10.08	16-03-17	16-03-24	2.00	1	72.0615	
19-05-2017	447	15	13.50	27-04-17	27-04-32	1.00	1	77.0011	
18-05-2017	447	15	13.50	27-04-17	27-04-32	1.00	1	76.3171	
18-05-2017	446	5	9.18	13-04-17	13-04-22	10.00	1	74.9491	
17-05-2017	446	5	9.18	13-04-17	13-04-22	10.00	1	74.8501	
16-05-2017	444	7	10.08	16-03-17	16-03-24	6.00	1	71.0539	

16-05-2017	446	5	9.18	13-04-17	13-04-22	3.00	1	74.0834	
16-05-2017	447	15	13.50	27-04-17	27-04-32	0.20	1	75.3845	
15-05-2017	447	15	13.50	27-04-17	27-04-32	8.00	1	76.4899	
15-05-2017	447	15	13.50	27-04-17	27-04-32	0.27	1	75.5308	
12-05-2017	444	7	10.08	16-03-17	16-03-24	4.00	1	71.0202	
12-05-2017	447	15	13.50	27-04-17	27-04-32	2.70	1	75.699	
11-05-2017	447	15	13.50	27-04-17	27-04-32	0.14	1	75.3479	
11-05-2017	447	15	13.50	27-04-17	27-04-32	2.00	1	74.9937	
11-05-2017	447	15	13.50	27-04-17	27-04-32	1.97	2	75.3848	
11-05-2017	444	7	10.08	16-03-17	16-03-24	3.00	1	70.7206	
11-05-2017	444	7	10.08	16-03-17	16-03-24	2.50	1	70.4705	
11-05-2017	444	7	10.08	16-03-17	16-03-24	2.50	1	70.7525	
11-05-2017	446	5	9.18	13-04-17	13-04-22	0.60	1	74.7123	
10-05-2017	446	5	9.18	13-04-17	13-04-22	2.00	1	73.6556	
09-05-2017	414	15	13.50	03-03-16	04-03-31	0.04	1	76.2270	
09-05-2017	444	7	10.08	16-03-17	16-03-24	7.00	1	70.3888	
09-05-2017	444	7	10.08	16-03-17	16-03-24	2.50	1	70.5041	
08-05-2017	444	7	10.08	16-03-17	16-03-24	0.50	1	70.3217	
05-05-2017	439	7	10.08	12-01-17	05-01-24	0.06	1	73.6053	
05-05-2017	444	7	10.08	16-03-17	16-03-24	0.14	1	71.0209	
05-05-2017	445	10	11.44	30-03-17	30-03-27	0.30	1	71.1238	
05-05-2017	447	15	13.50	27-04-17	27-04-32	12.75	1	73.9074	
05-05-2017	402	10	11.44	17-09-15	17-09-25	0.07	1	73.5574	
04-05-2017	446	5	9.18	13-04-17	13-04-22	5.00	1	73.0259	
03-05-2017	442	15	13.50	16-02-17	16-02-32	5.00	1	79.4884	
03-05-2017	447	15	13.50	27-04-17	27-04-32	0.15	1	75.5304	
03-05-2017	444	7	10.08	16-03-17	16-03-24	4.80	1	69.8278	
03-05-2017	446	5	9.18	13-04-17	13-04-22	0.27	1	73.2865	
03-05-2017	403	5	9.18	01-10-15	01-10-20	0.01	1	75.3133	
03-05-2017	403	5	9.18	01-10-15	01-10-20	0.04	1	82.3119	
03-05-2017	447	15	13.50	27-04-17	27-04-32	8.00	1	74.0852	
28-04-2017	444	7	10.08	16-03-17	16-03-24	0.14	1	72.1137	
27-04-2017	438	2	7.82	22-12-16	22-12-18	0.10	1	91.7571	
25-04-2017	428	2	7.82	06-08-16	04-08-18	0.77	1	93.9090	
25-04-2017	445	10	11.44	30-03-17	30-03-27	5.00	1	69.0409	
24-04-2017	445	10	11.44	30-03-17	30-03-27	0.14	1	70.8903	
24-04-2017	444	7	10.08	16-03-17	16-03-24	0.14	1	71.2111	
21-04-2017	442	15	13.50	16-02-17	16-02-32	5.00	1	76.4555	

21-04-2017	390	7	10.08	02-04-15	02-04-22	0.25	1	77.4361	
21-04-2017	437	15	13.50	08-12-16	12-08-31	5.00	1	79.3100	
19-04-2017	445	10	11.44	30-03-17	30-03-27	7.00	1	68.8399	
18-04-2017	445	10	11.44	30-03-17	30-03-27	15.00	1	68.9086	
13-04-2017	413	5	9.18	23-02-16	17-02-21	7.00	1	80.6014	
12-04-2017	445	10	11.44	30-03-17	30-03-27	0.86	1	69.7275	
11-04-2017	445	10	11.44	30-03-17	30-03-27	1.00	1	69.0456	
06-04-2017	409	15	13.50	23-12-15	23-12-30	0.20	1	77.1860	
06-04-2017	444	7	10.08	16-03-17	16-03-24	5.00	1	68.6298	
06-04-2017	445	10	11.44	30-03-17	30-03-27	3.00	1	68.3733	
06-04-2017	445	10	11.44	30-03-17	30-03-27	5.00	1	68.7431	
03-04-2017	390	7	10.08	02-04-15	02-04-22	2.00	1	81.7206	
03-04-2017	444	7	10.08	16-03-17	16-04-24	2.00	1	69.1566	
31-03-2017	444	7	10.08	16-03-17	16-03-24	10.00	2	68.6122	
31-03-2017	444	7	10.08	16-03-17	16-03-24	2.00	1	68.7111	
31-03-2017	444	7	10.08	16-03-17	16-03-24	2.00	1	68.4644	
31-03-2017	402	10	11.44	17-09-15	17-09-25	0.07	1	69.8307	
30-03-2017	413	5	9.18	23-02-16	17-02-21	0.13	1	76.4163	
29-03-2017	438	2	7.82	22-12-16	22-12-18	0.15	1	89.0488	
29-03-2017	433	2	7.82	13-10-16	13-10-18	1	1	92.8426	
29-03-2017	428	2	7.82	06-08-16	04-08-18	0.25	1	91.7232	
29-03-2017	423	2	7.82	26-05-16	26-05-18	4.8	1	94.9641	
28-03-2017	442	15	13.50	16-02-17	16-02-32	4	1	79.8407	
28-03-2017	390	7	10.08	02-04-15	02-04-22	0.33	1	80.7895	
28-03-2017	444	7	10.08	16-03-17	16-03-24	2.5	1	69.2585	
28-03-2017	431	5	9.18	15-09-16	15-09-21	0.15	1	75.9490	
28-03-2017	426	5	9.18	08-07-16	06-07-21	0.75	1	78.4496	
28-03-2017	408	5	9.18	10-12-15	10-12-20	0.3	1	81.6548	
28-03-2017	443	2	7.82	02-03-17	02-03-19	0.25	1	85.9485	
27-03-2017	390	7	10.08	02-04-15	02-04-22	0.33	1	80.4069	
27-03-2017	442	15	13.50	16-02-17	16-02-32	0.06	1	77.2970	
27-03-2017	442	15	13.50	16-02-17	16-02-32	0.10	1	77.2970	
24-03-2017	444	7	10.08	16-03-17	16-03-24	3.0	1	68.3816	
24-03-2017	442	15	13.50	16-02-17	16-02-32	4.0	1	75.8427	
23-03-2017	444	7	10.08	16-03-17	16-03-24	3.2	1	68.6456	
22-03-2017	434	7	10.08	27-10-16	27-10-23	1.00	1	74.1921	
21-03-2017	439	7	10.08	12-01-17	05-01-24	0.90	1	71.7055	
21-03-2017	442	15	13.50	16-02-17	16-02-32	4.20	1	75.7322	

21-03-2017	436	5	9.18	28-11-16	24-11-21	0.50	3	76.9116	
20-03-2017	439	7	10.08	12-01-17	05-01-24	1.00	1	71.2259	
20-03-2017	442	15	13.50	16-02-17	16-02-32	0.24	1	77.0383	
20-03-2017	436	5	9.18	28-11-16	24-11-21	1.00	1	77.0040	
16-03-2017	414	15	13.50	03-03-16	04-03-31	0.263	1	75.2166	
16-03-2017	434	7	10.08	27-10-16	27-10-23	1.00	1	73.3911	
16-03-2017	439	7	10.08	12-01-17	05-01-24	6.90	1	70.3047	
16-03-2017	443	2	7.82	02-03-17	02-03-19	3.50	3	85.1985	
15-03-2017	439	7	10.08	12-01-17	05-01-24	6.90	1	70.1242	
14-03-2017	442	15	13.50	16-02-17	16-02-32	0.80	1	75.4509	
14-03-2017	440	10	11.44	19-01-17	19-01-27	10.00	1	69.9869	
14-03-2017	414	15	13.50	03-03-16	04-03-31	0.5857	1	80.4947	
08-03-2017	427	15	13.50	25-07-16	21-07-31	0.045	1	80.9151	
07-03-2017	427	15	13.50	25-07-16	21-07-31	0.092	2	80.8780	
03-03-2017	427	15	13.50	25-07-16	21-07-31	1.3	2	80.7296	
28-02-2017	361	7	10.08	06-03-14	06-03-21	0.02	1	85.0892	
28-02-2017	361	7	10.08	06-03-14	06-03-21	0.01	1	85.2406	
24-02-2017	265	7	10.08	09-03-11	10-02-18	0.20	1	99.1391	
24-02-2017	378	15	13.50	17-10-14	17-10-29	0.40	1	80.1816	
23-02-2017	442	15	13.50	16-02-17	16-02-32	13.00	1	76.4170	
23-02-2017	439	7	10.08	12-01-17	05-01-24	7.10	1	70.0873	
22-02-2017	442	15	13.50	16-02-17	16-02-32	10.00	1	74.3141	
22-02-2017	442	15	13.50	16-02-17	16-02-32	10.00	1	73.8938	
22-02-2017	442	15	13.50	16-02-17	16-02-32	5.00	1	74.1999	
21-02-2017	439	7	10.08	12-01-17	05-01-24	7.10	1	70.0066	
21-02-2017	442	15	13.50	16-02-17	16-02-32	13.00	1	74.6288	
21-02-2017	442	15	13.50	16-02-17	16-02-32	7.00	1	76.6205	
21-02-2017	441	5	9.18	02-02-17	02-02-22	3.00	1	73.9015	
21-02-2017	414	15	13.50	03-03-16	04-03-31	0.62	1	80.0396	
16-02-2017	278	10	11.44	07-09-11	08-09-21	0.05	1	83.9277	
15-02-2017	265	7	10.08	09-03-11	10-03-18	0.10	1	98.6729	
13-02-2017	437	15	13.50	08-12-16	12-8-31	5.00	1	76.7600	
02-02-2017	439	7	10.08	12-01-17	05-01-24	5	1	69.0426	
01-02-2017	440	10	11.44	19-01-17	19-01-27	4.00	1	68.7744	
01-02-2017	435	10	11.44	10-11-16	10-11-26	0.99	1	71.3163	
01-02-2017	354	7	10.08	28-11-13	28-11-20	1.41	1	81.2103	
27-01-2017	265	7	10.08	09-03-11	10-03-18	0.10	1	97.4610	
27-01-2017	440	10	11.44	19-01-17	19-01-27	13.50	1	68.3728	



26-01-2017	439	7	10.08	12-01-17	05-01-24	5.00	1	68.8696	
26-01-2017	437	15	13.50	08-12-16	12-08-31	1.50	1	75.9000	
26-01-2017	265	7	10.08	09-03-11	10-03-18	0.10	1	97.6973	
24-01-2017	413	5	9.18	23-02-16	17-02-21	2.00	1	80.9651	
24-01-2017	434	7	10.08	27-10-16	27-10-23	5.50	1	71.5402	
24-01-2017	434	7	10.08	27-10-16	27-10-23	1.00	1	71.8371	
23-01-2017	434	7	10.08	27-10-16	27-10-23	5.50	1	71.3584	
19-01-2017	433	2	7.82	13-10-16	13-10-18	0.14	1	88.4668	
18-01-2017	437	15	13.50	08-12-16	12-08-31	3.00	1	75.7900	
18-01-2017	435	10	11.44	10-11-16	10-11-26	5.00	1	71.0041	
18-01-2017	439	7	10.08	12-01-17	05-01-24	3.995	1	68.6944	
18-01-2017	419	15	13.50	12-05-16	12-05-31	0.137	1	75.6867	
17-01-2017	439	7	10.08	12-01-17	05-01-24	10.00	1	68.5724	
16-01-2017	390	7	10.08	02-04-15	02-04-22	0.04	1	77.1915	
13-01-2017	409	15	13.50	23-12-15	23-12-30	0.05	1	74.4047	
13-01-2017	419	15	13.50	12-05-16	12-05-31	0.0515	1	75.4243	
03-01-2017	427	15	13.50	25-07-16	21-07-31	0.0096	1	83.1140	
02-01-2017	427	15	13.50	25-07-16	21-07-31	0.15	1	83.1141	

### Corporate Bond Detailed Price Information

Trade Date	Bond No.	Term (Years)	Coupon (%)	Issue Date	Maturity Date	Amount (Bln TZS)	Deals	Price	YTM (%)
20-02-2018	NMB	3	13.00	13-06-16	13-06-19	0.005	1	96.3260	
20-02-2018	NMB	3	13.00	13-06-16	13-06-19	0.005	1	93.0000	
14-02-2018	EXIM	6	15.56	21-12-15	21-12-21	0.01	1	93.8001	
13-02-2018	NMB	3	13.00	13-06-16	13-06-19	0.001	1	97.0000	
01-02-2018	NMB	3	13.00	13-06-16	13-06-19	0.007	1	96.3568	
24-01-2018	NMB	3	13.00	13-06-16	13-06-19	0.004	1	95.9999	
24-01-2018	NMB	3	13.00	13-06-16	13-06-19	0.002	1	95.9999	
23-01-2018	NMB	3	13.00	13-06-16	13-06-19	0.002	1	97.0000	
22-01-2018	EXIM	6	15.56	21-12-15	21-12-21	0.05	1	85.0001	
16-01-2018	NMB	3	13.00	13-06-16	13-06-19	0.003	1	97.0000	
16-01-2018	NMB	3	13.00	13-06-16	13-06-19	0.002	1	97.0000	
16-01-2018	NMB	3	13.00	13-06-16	13-06-19	0.006	1	97.000	
15-01-2018	NMB	3	13.00	13-06-16	13-06-19	0.01	1	96.9999	
15-01-2018	NMB	3	13.00	13-06-16	13-06-19	0.002	1	96.999	
08-01-2018	NMB	3	13.00	13-06-16	13-06-19	0.0015	1	94.0000	
29-12-2017	NMB	3	13.00	13-06-16	13-06-19	0.002	1	96.0001	
15-12-2017	NMB	3	13.00	13-06-16	13-06-19	0.0035	1	96.0000	
07-12-2017	NMB	3	13.00	13-06-16	13-06-19	0.002	1	98.0001	
22-11-2017	NMB	3	13.00	13-06-16	13-06-19	0.003	1	96.0000	
22-11-2017	NMB	3	13.00	13-06-16	13-06-19	0.0085	1	96.0000	
15-11-2017	NMB	3	13.00	13-06-16	13-06-19	0.001	1	96.0000	
07-11-2017	NMB	3	13.00	13-06-16	13-06-19	0.065	1	103.8499	
07-11-2017	NMB	3	13.00	13-06-16	13-06-19	0.0455	1	103.8499	
07-11-2017	NMB	3	13.00	13-06-16	13-06-19	0.005	1	95.0000	
07-11-2017	NMB	3	13.00	13-06-16	13-06-19	0.01	1	95.0000	
07-11-2017	NMB	3	13.00	13-06-16	13-06-19	0.005	1	95.0000	
03-11-2017	NMB	3	13.00	13-06-16	13-06-19	0.015	1	96.1493	
30-10-2017	NMB	3	13.00	13-06-16	13-06-19	0.005	1	95.0001	
25-10-2017	NMB	3	13.00	13-06-16	13-06-19	0.005	1	95.0000	
24-10-2017	EXIM	6	15.56	21-12-15	21-12-21	0.02	1	95.0000	
19-10-2017	NMB	3	13.00	13-06-16	13-06-19	0.002	1	96.0000	
17-10-2017	NMB	3	13.00	13-06-16	13-06-19	0.01	1	96.0000	
13-10-2017	NMB	3	13.00	13-06-16	13-06-19	0.01	1	96.0000	

13-10-2017	NMB	3	13.00	13-06-16	13-06-19	0.01	1	96.0000	
26-09-2017	NMB	3	13.00	13-06-16	13-06-19	0.0200	1	95.0000	
25-09-2017	NMB	3	13.00	13-06-16	13-06-19	0.0065	1	96.0000	
22-09-2017	NMB	3	13.00	13-06-16	13-06-19	0.010	1	96.0000	
21-09-2017	NMB	3	13.00	13-06-16	13-06-19	0.001	1	95.9999	
21-09-2017	NMB	3	13.00	13-06-16	13-06-19	0.002	1	93.8961	
21-09-2017	NMB	3	13.00	13-06-16	13-06-19	0.025	2	97.9999	
19-09-2017	NMB	3	13.00	13-06-16	13-06-19	0.004	1	89.9999	
18-09-2017	NMB	3	13.00	13-06-16	13-06-19	0.004	1	93.7500	
06-09-2017	NMB	3	13.00	13-06-16	13-06-19	0.005	1	97.0000	
31-08-2017	EXIM	6	15.56	21-12-15	21-12-21	0.061	8	93.0000	
30-08-2017	NMB	3	13.00	13-06-16	13-06-19	0.010	1	97.0500	
25-08-2017	NMB	3	13.00	13-06-16	13-06-19	0.009	1	97.0000	
22-08-2017	NMB	3	13.00	13-06-16	13-06-19	0.001	1	97.0000	
15-08-2017	NMB	3	13.00	13-06-16	13-06-19	0.003	1	97.2082	
31-07-2017	NMB	3	13.00	13-06-16	13-06-19	0.005	1	97.0001	
31-07-2017	NMB	3	13.00	13-06-16	13-06-19	0.002	1	97.0001	
31-07-2017	NMB	3	13.00	13-06-16	13-06-19	0.010	1	97.0001	
24-07-2017	NMB	3	13.00	13-06-16	13-06-19	0.003	1	97.0001	
18-07-2017	EXIM	6	15.56	21-12-15	21-12-21	0.001	1	92.9999	
12-07-2017	EXIM	6	15.56	21-12-15	21-12-21	0.005	1	93.61	
12-07-2017	EXIM	6	15.56	21-12-15	21-12-21	0.011	1	93.61	
10-07-2017	NMB	3	13.00	13-06-16	13-06-19	0.040	1	87.0000	
03-07-2017	NMB	3	13.00	13-06-16	13-06-19	0.020	1	87.5999	
03-07-2017	NMB	3	13.00	13-06-16	13-06-19	0.040	1	87.5999	
28-06-2017	EXIM	6	13.50	21-12-15	21-12-21	0.030	1	93.0001	
28-06-2017	EXIM	6	13.50	21-12-15	21-12-21	0.005	1	93.6005	
12-06-2017	EXIM	6	13.50	21-12-15	21-12-21	0.001	1	100.0000	
09-06-2017	NMB	3	13.00	13-06-16	13-06-19	0.001	1	85.0000	
08-06-2017	NMB	3	13.00	13-06-16	13-06-19	0.004	1	86.2999	
08-06-2017	NMB	3	13.00	13-06-16	13-06-19	0.001	1	86.2999	
08-06-2017	NMB	3	13.00	13-06-16	13-06-19	0.014	1	86.2999	
08-06-2017	NMB	3	13.00	13-06-16	13-06-19	0.002	1	86.2999	
07-06-2017	NMB	3	13.00	13-06-16	13-06-19	0.001	1	86.3000	
07-06-2017	NMB	3	13.00	13-06-16	13-06-19	0.002	1	86.3000	
06-06-2017	NMB	3	13.00	13-06-16	13-05-19	0.005	1	87.0000	
06-06-2017	NMB	3	13.00	13-06-16	13-05-19	0.012	1	87.0000	

06-06-2017	NMB	3	13.00	13-06-16	13-05-19	0.003	1	87.0000	
18-05-2017	EXIM	6	15.56	21-12-15	21-12-21	0.040	1	93.5850	
03-05-2017	EXIM	6	15.56	21-12-15	21-12-21	0.030	1	94.0000	
06-04-2017	NMB	3	13.00	13-06-16	13-06-19	0.005	1	100.0000	
29-03-2017	EXIM	6	15.56	21-12-15	21-12-21	0.003	1	93.5657	
29-03-2017	EXIM	6	15.56	21-12-15	21-12-21	0.007	1	93.5657	
06-03-2017	EXIM	6	15.56	21-12-15	21-12-21	0.002	1	100.0002	
20-01-2017	NMB	3	13.00	13-06-16	13-06-19	0.002	1	100.00	
11-01-2017	EXIM	6	15.56	21-12-15	21-12-21	0.10	1	96.0001	
05-01-2017	EXIM	6	15.56	21-12-15	21-12-21	0.002	1	93.5342	
21-12-2016	EXIM	6	15.56	21-12-15	21-12-21	0.003	1	99.9999	
19-12-2016	EXIM	6	15.56	21-12-15	21-12-21	0.003	1	105.7920	
21-10-2016	EXIM	6	15.56	21-12-15	21-12-21	0.004	1	100.0002	
13-09-2016	NMB	3	13	13-06-16	13-06-19	0.31	1	92.5523	
26-08-2016	EXIM	6	15.56	21-12-15	21-12-21	0.005	1	93.5304	
24-08-2016	EXIM	6	15.56	21-12-15	21-12-21	0.001	1	100.0000	
24-08-2016	EXIM	6	15.56	21-12-15	21-12-21	0.005	1	100.0000	
24-08-2016	EXIM	6	15.56	21-12-15	21-12-21	0.004	1	100.0000	
24-08-2016	EXIM	6	15.56	21-12-15	21-12-21	0.0005	1	100.0000	
24-08-2016	EXIM	6	15.56	21-12-15	21-12-21	0.0005	1	100.0000	
22-08-2016	EXIM	6	15.56	21-12-15	21-12-21	0.0109	1	93.5289	
02-08-2016	EXIM	6	15.56	21-12-15	21-12-21	0.021	1	93.4745	
02-08-2016	EXIM	6	15.56	21-12-15	21-12-21	0.05	1	93.4745	