

NIGERIA'S UPDATED ACTION PLAN TO REDUCE CO₂ EMISSIONS FROM INTERNATIONAL CIVIL AVIATION



TABLE OF CONTENT

Contents

ABBREVIATIONS	5
PREAMBLE	7
EXECUTIVE SUMMARY	10
1.0 INTRODUCTION	13
1.1 Overview	13
1.1.1 Nigeria’s previous Action Plan on Co ₂ Emissions Reduction	13
1.1.2 Out of Sector Emission Reduction	14
1.1.3 International CO ₂ Emissions Co-Benefits in Nigeria	15
1.2 Current State of the Nigerian Aviation Industry	16
1.3 Nigeria Government Ministries and Agencies	18
1.3.1 Ministry of Aviation and Aerospace Development	18
1.3.2 Nigeria Civil Aviation Authority (NCAA)	18
1.3.3 Federal Airports Authority of Nigeria (FAAN)	18
1.3.4 Nigerian Airspace Management Agency (NAMA)	18
1.3.5 Nigerian Meteorological Agency (NiMet)	19
1.3.6 Nigerian Safety Investigation Bureau (NSIB)	19
1.3.7 Nigerian College of Aviation Technology (NCAT)	19
1.3.8 African Aviation & Aerospace University (AAAU)	19
1.4 Major Airports in Nigeria	20
1.4.1 Murtala Muhammed International Airport (MMIA)	20
1.4.2 Nnamdi Azikiwe International Airport (NAIA)	21
2.0 NIGERIA’S INTERNATIONAL OPERATIONS	23
2.1 Nigerian Airlines on International route	23
2.1.1 Air Peace	23
2.1.2 Ibom Air	24
2.1.3 Arik Air	25

2.1.4 Allied Air	25
2.1.5 Max Air	25
2.2 Nigerian Airline Destinations	26
2.3 Traffic Trend	27
3.0 ACTIVITIES OF THE CIVIL AVIATION AUTHORITY.....	30
3.1 State Action Plan Committee on CO ₂ Emissions Reduction	30
3.2 Aviation Environment Team	31
3.3 Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)	32
3.4 Domestication of ICAO Annex 16 Volume IV	33
3.5 Assistance, Capacity Building and Training for Sustainable Aviation Fuels (ACT-SAF)	33
3.6 SAF, LCAF and other Cleaner Aviation energies	34
3.7 Other Engagements	35
3.8 Nigeria's membership on ICAO's Environmental Committees.....	37
3.9 ICAO Assembly Resolution - A41-21	38
3.10 Feasibility of an LTAG.....	40
3.11 Nigeria efforts on LTAG	40
4.0 BASELINE AND EXPECTED RESULT FOR CO ₂ EMISSIONS IN INTERNATIONAL AVIATION.....	44
4.1 Baseline	44
4.2 Expected Result: Fuel Savings.....	45
4.3 Expected Result: CO ₂ Savings	46
5.0 MITIGATION MEASURES	48
5.1 Ongoing Mitigation Efforts	48
5.2 Modernization of fleet used by Nigerian Airlines.....	48
5.3 Improved Operation/Operational Efficiency	54
5.4 Federal Ministry of Environment Emissions Reduction Initiatives.....	55
5.4.1 Nationally Determined Contribution (NDC)	55
5.4.2 Cleaner Energy	55
5.4.3 Methane and SLCP Reduction Initiatives.....	56
5.4.4 Ban of single use of plastic in Nigeria.....	56

5.4.5 Cleaning up of Ogoni land with support of UNEP.....	56
5.4.5 Energy Transition Plan	57
5.4.6 Collaboration on Forest Reserves	57
5.4.7 Solid Waste Management	57
5.4.8 Emissions Trading Scheme/Carbon Market Framework.....	57
5.4.9 Green Bonds and Climate Financing.....	58
5.4.10 Other Initiatives	58
5.5 Improvement in Air Traffic Management – Nigerian Airspace Management Agency (NAMA)	58
5.5.1 Free Route Airspace (FRA) Usage and conventional fixed ATS route usage comparison analysis – First Quarter 2023 (Critical Aircraft – B737)	58
5.5.2 Benefits to Kano FIR (NIGERIA)	61
5.6 Participation in the Airport Carbon Accreditation Programme – Federal Airports Authority of Nigeria (FAAN)	62
5.6.1 Carbon Management Plan.....	63
5.6.2 Carbon emissions reduction achievement in Murtala Muhammed International Airport (MMIA)	63
5.7 Ground Handlers Initiatives	64
5.7.1 Enhanced Ground Support Equipment (GSE) Management	64
5.7.2 NEW GSEs Since 2021	65
5.7.3 Automotive Gas Oil (AGO) Processing	66
5.7.4 Environmental Protection Measures	66
5.8 Regulatory Measures.....	66
5.8.1 Continuous Engagements on Aircraft Renewal.....	66
5.8.2 Ongoing efforts on Air Navigation Services (ANS)	67
5.8.3 Ongoing efforts on Remotely Piloted Aircraft Systems (RPAS)	68
6.0 REVIEW OF THE ACTION PLAN.....	71
7.0 ASSISTANCE REQUIRED	73
APPENDIX A - Kano FIR over fliers CO ₂ emission savings (Fuel Savings) per route leg based on free route airspace concept for January 2023 – Critical Aircraft – B737	1
APPENDIX B - Air Traffic Management Measures Quantified	116

APPENDIX C - Measures to Mitigate CO ₂ emissions (NAMA)	132
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Figure 1: Nigerian Aviation Industry	16
Figure 2: Air Peace	23
Figure 3: Ibom Air	24
Figure 4: Total Domestic & International Passenger Movements	28
Figure 5: Total Domestic & International Aircraft Movement.....	28
Figure 6: State Action Plan Committee	30
Figure 7: The Baseline calculation.....	44
Figure 8: Expected Result – Fuel Savings	45
Figure 9: Expected Result – CO ₂ Savings	46

Table 1: Nigerian Airline Destinations	26
Table 2: Total Domestic & International Passenger Movements	27
Table 3: Total Domestic & International Aircraft Movement.....	27
Table 4: Demonstration of Shift pattern in Aircraft being operated by General Aviation Operators in Nigeria.	49
Table 5: Demonstration of Shift pattern in Aircraft operated by Nigerian AOC Holders	52

ABBREVIATIONS

ACA	Airport Carbon Accreditation
AAAU	African Aviation & Aerospace University
ACI	Airport Council International
ACT-SAF	Assistance, Capacity Building & Training for Sustainable Aviation Fuels
AEP	Airport Economic Panel
AFCAC	African Civil Aviation Commission
AGO	Automatic Gas Oil
AIIA	Akanu Ibiam International Airport
ANS	Air Navigation Services
AOC	Air Operator Certificate
BOA	Bank of Agriculture
CAA	Civil Aviation Authority
CAO	Civil Aviation Order
CO ₂	Carbon Dioxide
CNG	Compressed Natural Gas
CAAF/3	Third Conference on Aviation and Alternative Fuels
CAEP	Committee on Aviation Environmental Protection
CORSIA	Carbon Offsetting and Reduction Scheme for international Aviation
EASA	European Aviation Safety Agency
EMP	Emissions Monitoring Plan
ETS	Emissions Trading Scheme
FAAN	Federal Airport Authority of Nigeria
FIR	Flight Information Region
FMENV	Federal Ministry of Environment
GHG	Green House Gas
GSE	Ground Support Equipment
HLM-LTAG	High Level Meeting on Long Term Aspirational Goal

ICAO	International Civil Aviation Authority
LCAF	Low Carbon Aviation Fuel
LTAG	Long Term Aspirational Goal
LTAG-GLADS	Global Aviation Dialogue on the Feasibility of a Long Term Global Aspirational Goal
MAKIA	Mallam Aminu Kano International Airport
MMIA	Murtala Muhammed International Airport
MRO	Maintenance, Repair and Overhaul
MRV	Monitoring, Reporting and Verification
NAIA	Nnamdi Azikiwe International Airport
NAMA	Nigerian Airspace Management Agency
NCAA	Nigeria Civil Aviation Authority
NCAP	National Civil Aviation Policy
NCAT	Nigerian College of Aviation Technology
NCCC	National Council on Climate Change
Nig. CARs	Nigeria Civil Aviation Regulations
NMDPRA	Nigerian Midstream and Downstream Petroleum Authority
NNPCL	Nigerian National Petroleum Company Limited
NSIB	Nigerian Safety Investigation Bureau
OFP	Operational Flight Plan
PBN	Performance Based Navigation
RPAS	Remote Piloted Aircraft System
RVSM	Reduced Vertical Separation Minima
SAF	Sustainable Aviation Fuel
SAP	State Action Plan
SARPs	Standard and Recommended Practices
TAB	Technical Advisory Board
UNFCCC	United Nations Framework Conference on Climate Change
UNEP	United Nations Environment Programme

PREAMBLE

The growth of air transportation in Nigeria is remarkable and conspicuous. There has been a steady increase in the number of airports, passengers, ground handlers and airlines. This has tremendously contributed to economic growth and development.

However, the rapid increase in air transportation is synonymous with intensification of carbon dioxide CO₂ emissions. In line with ICAO policies and practices related to environmental protection, the Nigerian government has updated its State Action Plan (fourth edition) to mitigate CO₂ emissions.

This updated Action Plan was developed and compiled by a team of experts from the Nigerian aviation industry including the aviation agencies, airlines and other industry stakeholders, namely:

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EXECUTIVE SUMMARY

The aviation sector plays a vital role in the growth of Nigeria's economy and remains the safest and fastest mode of transportation. Its environmental impact has increased as the sector grows exponentially. The Green House Gas (GHG) emissions caused by the growth of air transportation if left unchecked will cause more harm than good. Thus, the Nigeria's Action Plan to mitigate GHG Emissions showcases the planned and on-going activities to reduce emissions from the nation's aviation activities. These initiatives and measures are expected to achieve an environmentally friendly aviation industry and contribute to the achievement of ICAO's global goals in annual improvements in aviation fuel efficiency as well as the Long-Term Aspirational Goal (LTAG) of achieving net-zero carbon emissions in international aviation by 2050. The LTAG, while not attributing specific obligations or commitments to individual states, recognizes that each state's special circumstances and respective capabilities will inform its ability to contribute to the goal within its own national timeframe.

The different initiatives and measures being taken include:

- ❖ Encouraging the acquisition and use of more fuel-efficient aircraft by Nigerian operators;
- ❖ Improving and modernizing airport infrastructure;
- ❖ Improving and modernizing air navigation facilities and air traffic management system;
- ❖ Developing and implementing various fuel conservation techniques;
- ❖ Putting in place regulatory measures; and

- ❖ Collaborating and coordinating with other States and international organizations on the reduction of CO₂ emissions.

This updated Action Plan is believed to be comprehensive in its intent and purpose. The Action Plan, which is a living document would be reviewed and improved every three years to ensure that it is relevant to all international efforts in addressing Climate Change and CO₂ emissions.

CHAPTER ONE



1.0 INTRODUCTION

1.1 Overview

Nigeria is the most populous country in Africa, the Seventh most populous globally and the thirty-first largest country by land covering about 924,000 square kilometers with over 206 million populations. Nigeria is therefore a natural hub for regional and international air traffic in Africa with enormous market potential in West and Central Africa. The nation is a destination for over 23 foreign air carriers currently operating, 13 schedule domestic airlines, over 100 operating authorizations for commercial and private operators with 36 Airports, airstrips and heliports.

The Civil Aviation sector in Nigeria is empowered by the Nigerian Civil Aviation Policy (NCAP) 2016, the Civil Aviation Act (CAA) 2022 and the Nigeria Civil Aviation Regulations (Nig.CARs) 2023 to carryout safety, security and economic oversight of the industry.

The Nigeria policy thrust ensures strict compliance with safety regulations in line with the International Civil Aviation Organization (ICAO) Standard and Recommended Practices (SARPs), supports the growth of domestic airlines, committed to the improvement of infrastructure and human capacity development.

1.1.1 Nigeria's previous Action Plan on Co₂ Emissions Reduction

The previous State Action Plan shows a collaborative effort with various aviation stakeholders in addressing CO₂ emissions. The first Action Plan on the reduction of CO₂ emissions in international aviation was

submitted in April 2012 followed by an update in 2015 and the last update was submitted to ICAO in 2021. This voluntary initiative showcased the collective efforts being made by Nigeria in response to the ICAO initiative in addressing CO₂ emission.

The last update of the Action Plan addressed the followings areas:

- ❖ Nigeria's aspirational goal for aviation emissions reduction
- ❖ Nigeria's commitments and collaborative efforts on aviation emission reduction.
- ❖ Mitigating Measures such as fleet renewal, Performance Based Navigation (PBN) amongst others.
- ❖ Baseline and Expected Result for CO₂ emissions in international aviation.
- ❖ Outline the basis for Nigeria's response to ICAO's request for Member States to develop action plans to address Green House Gases (GHG) emissions from aviation.
- ❖ Identified a basket of measures to improve efficiencies and minimize GHG emissions.
- ❖ Emphasized the importance, acquisition and use of more fuel-efficient aircraft by Nigerian operators
- ❖ Establishment of an Action Plan Committee to oversee the implementation of the Action Plan.

These measures are being improved and highlighted in this edition.

1.1.2 Out of Sector Emission Reduction

Out of sector emission reduction sometimes referred to as co-benefits denotes non-climate change mitigation benefits that are clearly mentioned as additional (if not primary) motives in the design and implementation of GHG mitigation policies. These include cleaner air, creation of green jobs, improved public health from active travel and support biodiversity due to the expansion of green space.

1.1.3 International CO₂ Emissions Co-Benefits in Nigeria

The Government of Nigeria continues to encourage stakeholders within the Aviation sector to collaborate in achieving the 2060 Net-Zero target. The co-benefits approach to climate change means integrated efforts to address climate change concerns, while meeting development needs in Nigeria as well as help Nigeria in its efforts to address climate change, by introducing measures to achieve tangible development benefits.

The Nigeria government made changes to additional patterns in respect to emissions reductions in international aviation with progressive effective moves. The following additional progress was made:

- ❖ Promoting energy efficiency with the replacement of incandescent bulbs with LEDs. Transition from incandescent bulbs to LEDs across various facilities within Nigerian airports, has significantly reduced energy consumption.
- ❖ Use of solar panels.
- ❖ Replacement of diesel-powered tractors and tugs by those that use cleaner energy fuels or electricity.
- ❖ Improved traffic management has reduced traffic congestion which has led to lower emissions and improved air quality at the airports.

1.2 Current State of the Nigerian Aviation Industry

Figure 1: Nigerian Aviation Industry



The Nigerian aviation industry has come a long way in all ramifications and has grown rapidly over the years. The ease of air transportation over other means of transportation and the geometrical increase in passengers, mail and cargo has encouraged many airlines to establish operations in Nigeria. The industry, even though with some challenges, has experienced tremendous improvements in infrastructural development, safety, security, economic and environmental sustainability, state of the art navigational aids, modern weather forecasting equipment and highly skilled manpower to ensure safety and comfort of the flying public.

Airlines have continued to introduce the use of newer aircraft to the industry such as B737-700 new generation, CRJ 400/900, Dash 8 Q400, Business Jet/Turboprop, Airbus and Embraer series to mention a few.

The Civil Aviation Act (CAA) 2022 which repeals the 2006 Act is a major milestone in the Nigeria Aviation Industry as the new act has strengthened and provided an effective regulatory and institutional framework for the regulation of civil aviation in Nigeria. The new act has hitherto identified the Authority as the sole regulator of Civil Aviation in Nigeria as stated in CAA 2022 Section 8, sub-section 3, that “Notwithstanding anything contained in any other law, the Authority shall be solely responsible for the regulation of civil aviation in Nigeria”.

The Ministry of Aviation and Aerospace Development is responsible for the formulation and management of aviation policies in air transportation, airport development, maintenance, provision of aviation infrastructural services and other allied services.

The Ministry supervises the industry while the key functions in the sector are performed by six (6) agencies namely: The Nigeria Civil Aviation Authority (NCAA) – (The Industry Regulator), Nigerian Airspace Management Agency (NAMA) – (Air Navigation Service Provider), Federal Airports Authority of Nigeria (FAAN) –(Airport Service Provider), Nigerian Meteorological Agency (NIMET)– (Aeronautical Meteorological Service Provider), Nigeria Safety Investigation Bureau (NSIB), and Nigerian College of Aviation Technology (NCAT) (Aviation Training Provider) and the new addition , Africa Aviation and Aerospace University (AAAU).

1.3 Nigeria Government Ministries and Agencies

1.3.1 Ministry of Aviation and Aerospace Development

The Ministry of Aviation and Aerospace Development supervises, formulates and manages aviation policies, airport development, maintenance, and provides aviation infrastructure.

1.3.2 Nigeria Civil Aviation Authority (NCAA)

The Nigeria Civil Aviation Authority (NCAA) is the regulatory body for civil aviation in Nigeria, responsible for ensuring aviation safety, security and economic regulation. NCAA carries out its mandate guided by the Civil Aviation Act (CAA) 2022 and the Nigeria Civil Aviation Regulations (Nig.CARs) 2023.

1.3.3 Federal Airports Authority of Nigeria (FAAN)

The Federal Airports Authority of Nigeria (FAAN) manages and operates all federal airports in Nigeria. It ensures the maintenance of airport facilities, provides infrastructure and aims to be among the best airport groups globally.

1.3.4 Nigerian Airspace Management Agency (NAMA)

The Nigeria Airspace Management Agency (NAMA) provides air navigation services within Nigerian airspace. It manages air traffic services, search and rescue coordination, aeronautical information, communication, navigation, and surveillance facilities to ensure air safety.

1.3.5 Nigerian Meteorological Agency (NiMet)

The Nigeria Meteorological Agency (NiMet) provides meteorological services for weather, climate, and hydrological data across various sectors. It supports aviation safety through accurate weather forecasting and has implemented technological innovations for improved data collection and distribution.

1.3.6 Nigerian Safety Investigation Bureau (NSIB)

The Nigerian Safety Investigation Bureau (NSIB) is charged with the responsibility to investigate any transportation accident and serious incident occurring either in or over Nigeria or occurring to Nigerian registered aircraft, ship, train or vehicle elsewhere.

1.3.7 Nigerian College of Aviation Technology (NCAT)

Nigerian College of Aviation Technology (NCAT) provides aviation training and education, aligning with ICAO standards. It offers programs in various aviation disciplines, contributing to human resource development in the aviation sector.

1.3.8 African Aviation & Aerospace University (AAAU)

Africa Aviation and Aerospace University (AAAU) focuses on aviation, aerospace, and environmental sciences education. It aims to bridge research and development gaps in the aviation industry and address manpower shortages in Africa.

1.4 Major Airports in Nigeria

Nigeria has about 36 airports, some are operated by the Federal Airports Authority of Nigeria (FAAN), while others are state-owned airports. Five are functional international airports. In addition, there are airstrips or airfields scattered around the country, built mainly by the Nigerian Air Force and multinational oil companies. Nigeria has only one private-public partnership airport, operated by Bi-Courtney Aviation Services Ltd - Murtala Muhammed Airport Two. The five functional international Airports are the Murtala Muhammed International Airport (MMIA), Lagos, Nnamdi Azikiwe International Airport (NAIA), Abuja, Obafemi Awolowo International Airport, Port Harcourt, Mallam Aminu Kano International Airport (MAKIA) and Akanu Ibiam Airport, Enugu.

1.4.1 Murtala Muhammed International Airport (MMIA)

Murtala Muhammed International Airport is located in Ikeja, Lagos State, Nigeria, and is the major airport serving the entire state. Murtala Muhammed Airport Lagos is the nation's busiest airport with two international terminals, domestic terminal and one cargo terminal.

The airport has undergone renovations and upgrades over the years, with the new international terminal being commissioned by President Muhammadu Buhari on 22nd March, 2022. This new terminal has the capacity to process 14 million passengers annually. The airport serves as the hub for various airlines. It is a bustling airport, handling a substantial number of passengers annually. For instance, in 2022, the airport saw over 6.5 million passengers, marking a 14.71% growth from the previous year.

It plays a crucial role in Nigeria's air travel landscape and continues to evolve to meet the growing demands of air travel in the region.

1.4.2 Nnamdi Azikiwe International Airport (NAIA)

Nnamdi Azikiwe International Airport (NAIA) is the nation's second busiest airport. It holds a pride of place among airports in the country, as the international airport serving the Nigerian capital city and neighboring States.

The airport has seen various airline operations, with both domestic and international carriers utilizing its facilities. The airport accommodates a significant number of passengers and aircraft movements, contributing to its status as the second busiest airport in Nigeria.

CHAPTER TWO



2.0 NIGERIA'S INTERNATIONAL OPERATIONS

2.1 Nigerian Airlines on International route

2.1.1 Air Peace

Figure 2: Air Peace



Air Peace is a Nigerian airline that offers both scheduled passenger and charter flights across Nigeria and beyond. The airline is based at Murtala Muhammed International Airport, Lagos (LOS) and currently Nigeria's foremost carrier.

Apart from its domestic routes, Air Peace has been able to operate international destinations. Few years after it started flight service in

2014, it started operating to some countries in West Africa and has sustained the services.

The latest addition to Air peace international operations is flight operations to London Gatwick Airport from 31st March, 2024.

2.1.2 Ibom Air

Figure 3: Ibom Air



Ibom Air launched its services in 2019. The airline is wholly owned by the Akwa Ibom State Government and was established as a key element of Akwa Ibom State's economic transformation plan. It was conceptualized as the vehicle to provide the much-needed capacity as

well as ease of access into Akwa Ibom and its neighboring States including a world class Maintenance, Repair and Overhaul (MRO) facility in the state.

2.1.3 Arik Air

Arik Air is a privately owned Nigerian airline that operate both domestic and international flights. Until recently, the airline operates flights to various destinations within Nigeria and across Africa, including Ghana, Senegal, Gambia, Sierra Leone, Liberia, and South Africa, London and New York.

2.1.4 Allied Air

Allied Air is a cargo airline based in Lagos, Nigeria. It operates scheduled and charter services in Nigeria and throughout Africa. Its main base is Murtala Muhammed International Airport, Lagos. Key scheduled destinations include Accra, Freetown, Monrovia, Entebbe, Liege and Malabo.

2.1.5 Max Air

Max Air began its operations with a focus on Umrah and Hajj (International) services. Max Air commenced domestic flights to destinations like Abuja and Lagos from its main hub in Kano. The airline further expanded its domestic routes to include Port Harcourt, Yola, and Maiduguri.

2.2 Nigerian Airline Destinations

As of 2024, some of the regional and international destinations of Nigerian Airlines are as follows:

Table 1: Nigerian Airline Destinations

Country	City	Airport
Benin Republic	Cotonou	Cadjehoun International Airport
Cameroun	Douala	Douala International Airport
Cote D'Ivoire	Abidjan	Felix Houphouet Boigny International Airport, Abidjan
Gambia	Banjul	Yundum International airport
Ghana	Accra	Kotoka International Airport
India	Mumbai	Chhatrapati Shivaji Maharaj International Airport
Saudi Arabia	Jeddah	King Abdulaziz International Airport
Senegal	Dakar	Blaise Diagne International Airport
South Africa	Freetown	Lungi international Airport
	Johannesburg	Tambo International Airport
Togo	Lome	Gnassingbe Eyadema International Airport
United Kingdom	London	London Gatwick Airport

2.3 Traffic Trend

The chart below shows the traffic trend for Nigeria from 2018 -2023 for Domestic and International Flights.

Table 2: Total Domestic & International Passenger Movements

YEAR	DOMESTIC	INTERNATIONAL
2018	12,791,639	4,438,799
2019	14,083,408	4,654,909
2020	8,383,882	1,597,062
2021	14,597,703	2,314,341
2022	15,518,978	3,793,805
2023	14,448,798	4,149,734

Table 3: Total Domestic & International Aircraft Movement

YEAR	DOMESTIC	INTERNATIONAL
2018	234,367	43,961
2019	249,756	44,775
2020	178,517	21,787
2021	253,407	32,536
2022	274,940	39,832
2023	250,593	37,692

Figure 4: Total Domestic & International Passenger Movements

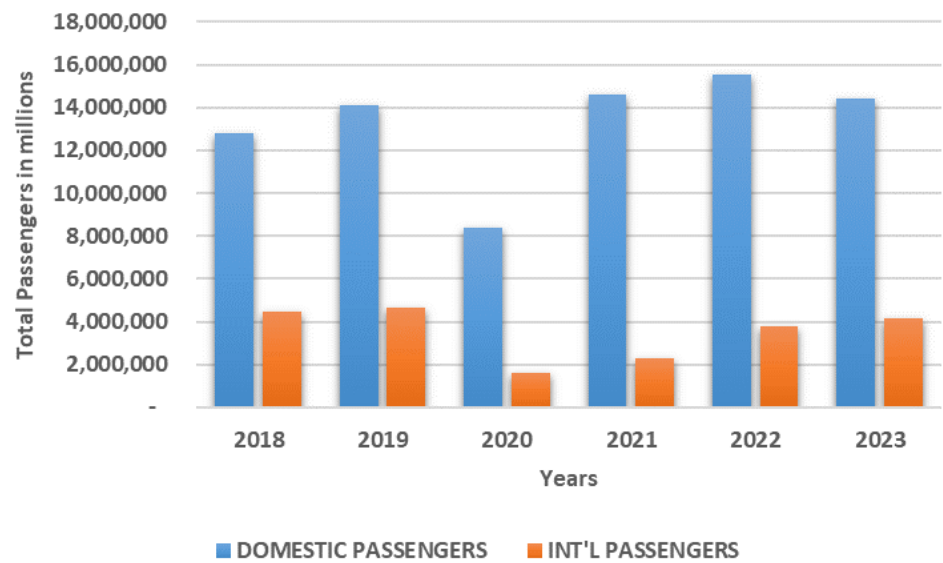
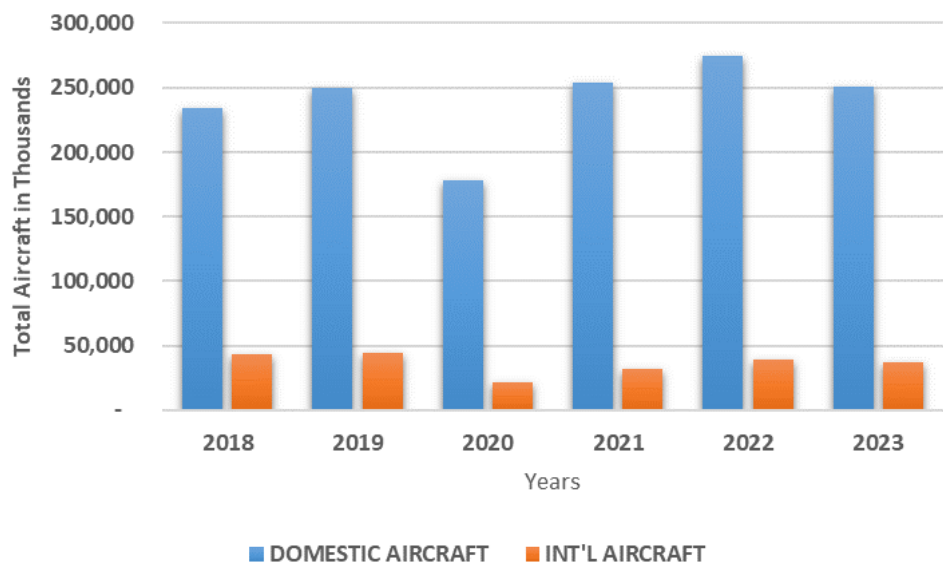


Figure 5: Total Domestic & International Aircraft Movement



Nigeria's Aviation Industry experienced a drastic decline in traffic in 2020 due to the Covid-19 pandemic. From 2021 till date the industry has grown consistently and is now at pre-pandemic levels.

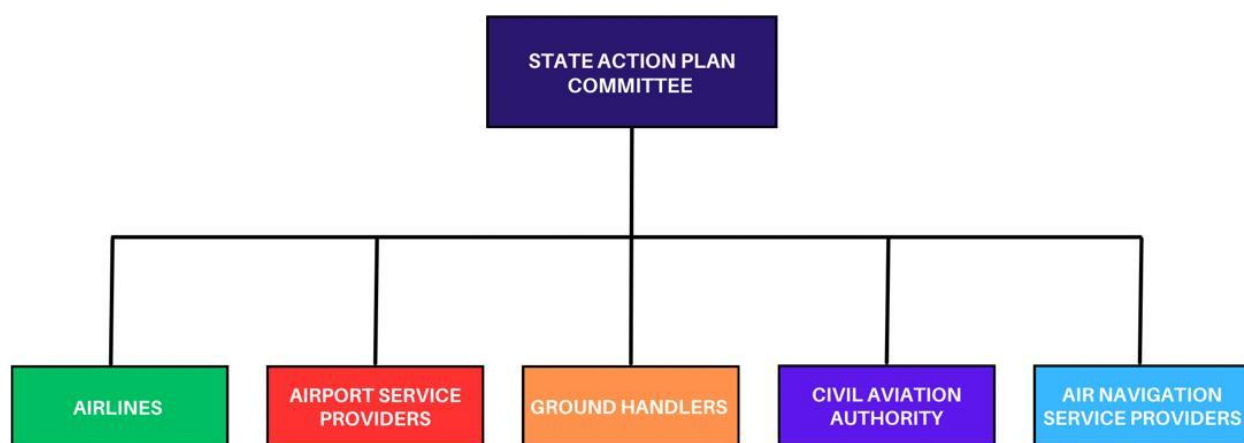
CHAPTER THREE



3.0 ACTIVITIES OF THE CIVIL AVIATION AUTHORITY

3.1 State Action Plan Committee on CO₂ Emissions Reduction

Figure 6: State Action Plan Committee



The first State Action Plan (SAP) to reduce CO₂ emissions from international civil aviation was developed in 2012. A State Action Plan Committee was constituted to develop and continuously update Nigeria's SAP. The committee was formed to ensure that the SAP is regularly updated and adequately communicate information on actions to address CO₂ emissions from international aviation to ICAO.

This committee plays a crucial role in coordinating and implementing strategies aimed at reducing CO₂ emissions from the aviation sector in line with ICAO Standard and Recommended practices (SARPs).

The committee has since evolved, incorporating new members and expanding its scope to meet the ever-changing landscape of the aviation industry and environmental protection.

The current SAP committee consists of representatives from relevant stakeholders within the aviation industry, including the Nigeria Civil Aviation Authority (NCAA), Federal Airports Authority of Nigeria (FAAN), Nigerian Airspace Management Agency (NAMA), Airlines and Ground Handlers.

During the reporting period from 2021 to 2023, the SAP Committee was actively involved in several key activities. The committee met on several occasions to share updates, provide feedback and discuss activities related to the SAP. These meetings ensured that all stakeholders were aligned and that the SAP was continuously improved. Several workshops were organized both virtually and physically to build capacity among stakeholders. These workshops covered various topics related to CO₂ emissions reduction and the achievement of the Long-term Aspirational Goal (LTAG) of Net-Zero Carbon emissions by 2050.

Through these activities, the State Action Plan Team demonstrates Nigeria's commitment to achieving the Long-term Aspirational Goal (LTAG) and a sustainable aviation industry.

3.2 Aviation Environment Team

The Aviation Environment Team of the Nigeria Civil Aviation Authority (NCAA) is saddled with the responsibility of coordinating all issues relating to Aviation Environment, ensuring that Nigeria continues to work with ICAO, relevant stakeholders and other international

organizations to achieving reduction in CO₂ emissions through mitigating measures. It has been at the forefront of enhancing the aviation sector's sustainability in Nigeria through various initiatives and active participation in local, regional and international events.

The Environment Team has contributed to various global updates by ensuring that all the obligations of Nigeria and its airlines are adequately observed, underscoring its dedication to international environmental sustainability. The Team also collaborates with the Department of Climate Change of the Federal Ministry of Environment on various initiatives, projects and capacity building programmes. These programmes have contributed to improved knowledge and skills of the Nigerian stakeholders.

Section 8 sub-section 3 of the Civil Aviation Act 2022 vested the responsibility of Aviation Environmental Protection on the Authority. This action brings clarity of function and will enable Nigeria to participate efficiently and effectively in the environmental protection of the aviation industry.

3.3 Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)

Having voluntarily joined the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) from the pilot phase in 2018, the Environment Team has continued to co-ordinate the reporting of CO₂ emissions under CORSIA by Nigerian airlines to ensure timely submission of data including continuous oversight of airlines under the CORSIA Emissions Monitoring Plan (EMP) and the Monitoring, Reporting and Verification (MRV) system.

3.4 Domestication of ICAO Annex 16 Volume IV

In 2023, Nigeria reached a milestone when it domesticated ICAO Annex 16 Volume IV into its national regulations known as Part 16 - Environmental Protection of the Nigeria Civil Aviation Regulations (Nig.CARs) 2023, replacing the Civil Aviation Order (CAO) of 2022 on CORSIA. This reiterates Nigeria's commitment to environmental protection and the development of a sustainable aviation industry.

Under the implementation of the Part 16 of the Regulations, the Environment Team engaged in continuous collaborative work with Nigerian airlines on international routes to ensure accurate reporting of CO₂ emissions of their international flights.

These collaborative work with airlines and aviation agencies under CORSIA ensures compliance with updates on environmental standards as well as demonstrates Nigeria's proactive stance in fostering industry-wide cooperation to mitigate the environmental impact of aviation.

3.5 Assistance, Capacity Building and Training for Sustainable Aviation Fuels (ACT-SAF)

Nigeria joined the Assistance, Capacity Building and Training for Sustainable Aviation Fuels (ACT-SAF) program, demonstrating its commitment to the development and deployment of Sustainable Aviation Fuels (SAF), Low Carbon Aviation Fuel (LCAF), and other cleaner Aviation energies.

3.6 SAF, LCAF and other Cleaner Aviation energies

Nigeria organized a Consultative Meeting on Sustainable Aviation Fuel (SAF), Low Carbon Aviation Fuel (LCAF), and other cleaner Aviation energies in October 2023, bringing stakeholders together to discuss Nigeria's roadmap towards SAF adoption. This meeting led to some far-reaching decisions on the development and deployment of SAF, LCAF, and other cleaner Aviation energies in Nigeria.

Ongoing Development on SAF, LCAF, and other cleaner Aviation energies in Nigeria are as follows:

- ❖ Nigeria participated in the ICAO meeting that led to the adoption of the Long-term Aspirational Goal (LTAG)
- ❖ The understanding that Sustainable Aviation Fuels (SAF) are a critical component in achieving net-zero carbon emissions led to Nigeria indicating its interest in joining the ICAO ACT-SAF programme and has since been an active participant in the ACT-SAF series.
- ❖ Nigeria participated in the first African Civil Aviation Commission (AFCAC) workshop on the Acceleration of Development and Deployment of Sustainable Aviation Fuels, a meeting which was co-organized by the European Union Aviation Safety Agency (EASA).
- ❖ Following that meeting, Nigeria began its SAF journey by convening a consultative meeting on the development and deployment of Sustainable Aviation Fuel (SAF), Low Carbon Aviation Fuel (LCAF), and other cleaner fuels in Nigeria in October 2023. The meeting brought together stakeholders from various sectors namely, the Ministry of Aviation and Aerospace Development, the Federal Ministry of Environment, the Federal Ministry of Water Resources, aviation parastatals (FAAN, NAMA, NSIB, NIMET & NCAT), Federal Ministries, Departments and Agencies, representatives from the oil and gas industry (Nigerian National Petroleum Company Limited (NNPCL), Nigerian Midstream and Downstream Petroleum Regulatory Authority (NMDPRA), BUA group), airlines, representatives of financial

institutions, the Bank of Agriculture (BOA), and environmental experts.

- ❖ One of the outcomes of the consultative meeting was the decision to work with existing bodies such as the National Council on Climate Change (NCCC) to set up a committee to develop the Nigerian SAF Roadmap.
- ❖ It was agreed that initial focus should be on Low Carbon Aviation Fuel (LCAF) utilizing existing Oil and Gas infrastructure, while Nigeria develops its SAF production capacity.
- ❖ It was intended that the committee would be responsible for formulating policy and identifying existing feedstock and projects on LCAF and SAF in collaboration with relevant stakeholders.
- ❖ Following this decision, Nigeria, represented by the Honourable Minister and other officials of the NCAA including the Nigerian Representative on the ICAO Council, participated in the Third Conference on Aviation and Alternative Fuels (CAAF/3) where Nigeria shared the progress on the development of LCAF, SAF and other aviation cleaner energies, showcasing the country's commitment to a sustainable aviation industry.
- ❖ As a follow-up to above meetings, the environment team had a meeting with the Department of Climate Change in the Ministry of Environment to explore the possibility of collaborating on the development and deployment of SAF by leveraging the existing platform at the national level provided by the National Council on Climate Change.

These efforts are ongoing and being made from time to time for the continuous development of SAF, LCAF and other cleaner Energies in Nigeria.

3.7 Other Engagements

Nigeria participated in the ICAO Pre-CAAF/3 Outcomes Consultation that led to the Third ICAO Conference on Aviation and Alternative Fuels (CAAF/3) event in November 2023 where the Global Framework for SAF, LCAF and other Aviation cleaner energies was adopted. This framework

further set a voluntary target of 5% reduction in aviation emissions using SAF by 2030.

The ICAO Seminar on State Action Plan and Assistance, Capacity Building and Training for CORSIA (ACT-CORSIA), was also hosted in November 2023. It was co-facilitated by Nigeria as a Train-the-Trainer workshop for five (5) States with Nigerian Airlines, Air Navigation Service providers, Ground Handling Companies and Airport Operators in attendance. This workshop showcased Nigeria's leadership in environmental stewardship and commitment to sustainable aviation practices.

Nigeria remained an active participant in key events, including the ICAO Environmental Regional Seminars, the EASA Regional Workshop on CORSIA implementation, the Federal Airports Authority of Nigeria (FAAN) National Aviation Conference and AFCAC workshop on SAF, among others. All these highlighted the Authority's dedication to the reduction of CO₂ emissions in aviation and the adoption of sustainable aviation fuels. Through these collaborative efforts, Nigeria has shown its dedication to the global transition towards a more sustainable aviation sector.

Nigeria also participated in a Regional Capacity Building Workshop for CO₂ Mitigation from International Aviation in Africa and the Caribbean in June 2022, the ICAO Stocktaking on Aviation In-Sector CO₂ Emissions Reduction event in July 2022, the High-Level Meeting on the Feasibility of a Long-Term Aspirational Goal for International Aviation CO₂ Emissions Reduction (HLM-LTAG) in July 2022. These events provided

valuable insights and guidance for Nigeria's implementation of emissions reduction strategies and sustainable aviation practices.

Furthermore, Nigeria contributed to the ICAO Environmental Report 2022, it also attended the ICAO Global Aviation Dialogues on the Feasibility of a Long-Term Global Aspirational Goal for International Aviation CO₂ Emissions Reductions (LTAG-GLADS), including a workshop on State Action Plans and Environmental Tools in August 2022. These activities solidified Nigeria's role as an active contributor to international discourse and policy development on aviation sustainability.

Additionally, Nigeria participated in the ICAO 41st Assembly in September 2022, where member States deliberated on a number of environmental protection topics including the adoption of the Long-Term Aspirational Goal for International Aviation CO₂ Emissions Reductions (LTAG), of net-zero emissions by 2050, Nigeria's involvement in this milestone event demonstrated its commitment to ambitious global targets and its commitment to driving the transition towards a more sustainable aviation industry. Nigeria in response to the global commitment highlighted her environmental target of net-zero emissions by 2060.

3.8 Nigeria's membership on ICAO's Environmental Committees

Nigeria has been participating in the activities of the International Civil Aviation Organization (ICAO) on Environment which are aimed at improving the performance of international aircraft operations targeted

at reducing global emissions. These participations are mainly at the Committees' levels and attendance of ICAO seminars and symposia. Nigeria has over the years represented the African Region on various ICAO Committees and Panels.



The country also participates as a member of the ICAO Committee on Aviation Environmental Protection (CAEP), the ICAO Technical Advisory Body (TAB) and a donor State under ICAO CORSIA Buddy Partnership. The Nigerian aviation industry has continued to work in a collaborative manner to ensure the mitigation of CO₂ emissions and the achievement of the global aspirational goal.

3.9 ICAO Assembly Resolution - A41-21

In 2022 the International Civil Aviation Organization (ICAO), adopted Resolution A41-21 on Climate Change. This Assembly Resolution

provided guidance to member States. Some of the paragraphs specific on State Action Plan are as follows:

- ❖ Paragraph 1 resolves that this Resolution, together with Resolution A41-20: Consolidated statement of continuing ICAO policies and practices related to environmental protection – General provisions, noise and local air quality and Resolution A41-22: Consolidated statement of continuing ICAO policies and practices related to environmental protection – Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA), supersede Resolutions A40-17, A40-18 and A40-19 and constitute the consolidated statement of continuing ICAO policies and practices related to environmental protection;
- ❖ Paragraph 9 requests the council to regularly monitor progress on the implementation of all elements of the basket of measures towards the achievement of the LTAG, including through: the ICAO environment stocktaking process; the review of the ICAO Vision for SAF; further assessment of the CO₂ emissions reduction and cost impacts of a changing climate on international aviation, regions and countries, in particular developing countries, and the impact on the development of the sector, as well as the cost impacts of the efforts to achieve the LTAG; monitoring of information from State Action Plans for international aviation CO₂ emissions reduction; and means of implementation. To this purpose, the Council will consider necessary methodologies for the monitoring of progress, and report to a future Session of the ICAO Assembly;
- ❖ Paragraph 10 further encourages all States submit and update voluntary action plans to ICAO to reduce CO₂ emissions from international aviation, outlining respective policies, actions and roadmaps, including long- term projections;
- ❖ Paragraph 11 invites those states that choose to prepare or update action plans to submit them to ICAO as soon as possible preferably by the end of June 2024 and once every three years thereafter, in order that ICAO can continue to compile the quantified information in relation to achieving the global aspirational goals, and the action

plans should include information on the basket of measures considered by States, reflecting respective national capacities and circumstances, quantified information on the expected environmental benefits from the implementation of the measures chosen from the basket, and information on any specific assistance needs for the implementation of the measures;

- ❖ Paragraph 12 encourages states that have already submitted action plans to share information contained in action plans and build partnerships with other Member States in order to support those States that have not prepared action plans, and to make the submitted action plans available to the public, taking into account the commercial sensitivity of information contained in States;
- ❖ Paragraph 13 requests the Council to facilitate the dissemination of economic and technical studies and best practices related to aspirational goals and to continue to provide guidance and other technical assistance for the preparation and update of States' action plans prior to the end of June 2024, including through cooperation and assistance on identifying possible sources of financing for decarbonization of aviation in cooperation with financial and other relevant organizations, in order for States to conduct necessary studies and to voluntarily submit action plans to ICAO.

3.10 Feasibility of an LTAG

In the ICAO report of a feasibility of a Long-Term Aspirational Goals in CO₂ Emissions Reduction, States were encouraged to share progress towards their respective LTAG goal through its State Action Plan.

3.11 Nigeria efforts on LTAG

As part of Nigeria's Goal in achieving emissions reduction in line with ICAO's recommendation on a Long-Term Aspirational Goal, Government has embarked on a number of initiatives and projects aimed at mitigating emissions in the country.

At the High-Level Meeting on LTAG, it was generally agreed by States that SAF has the greatest potential to reduce CO₂ emissions. It is in this respect that Nigeria charted a roadmap in the implementation of SAF.

Some of these are as follows:

Enactment of Part 16 of Nig.CARs on Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)

The Federal Government of Nigeria inaugurated the Intergovernmental Carbon Market Activation Plan Committee in a bid to create a blueprint to drive an efficient sustainable carbon market ecosystem.

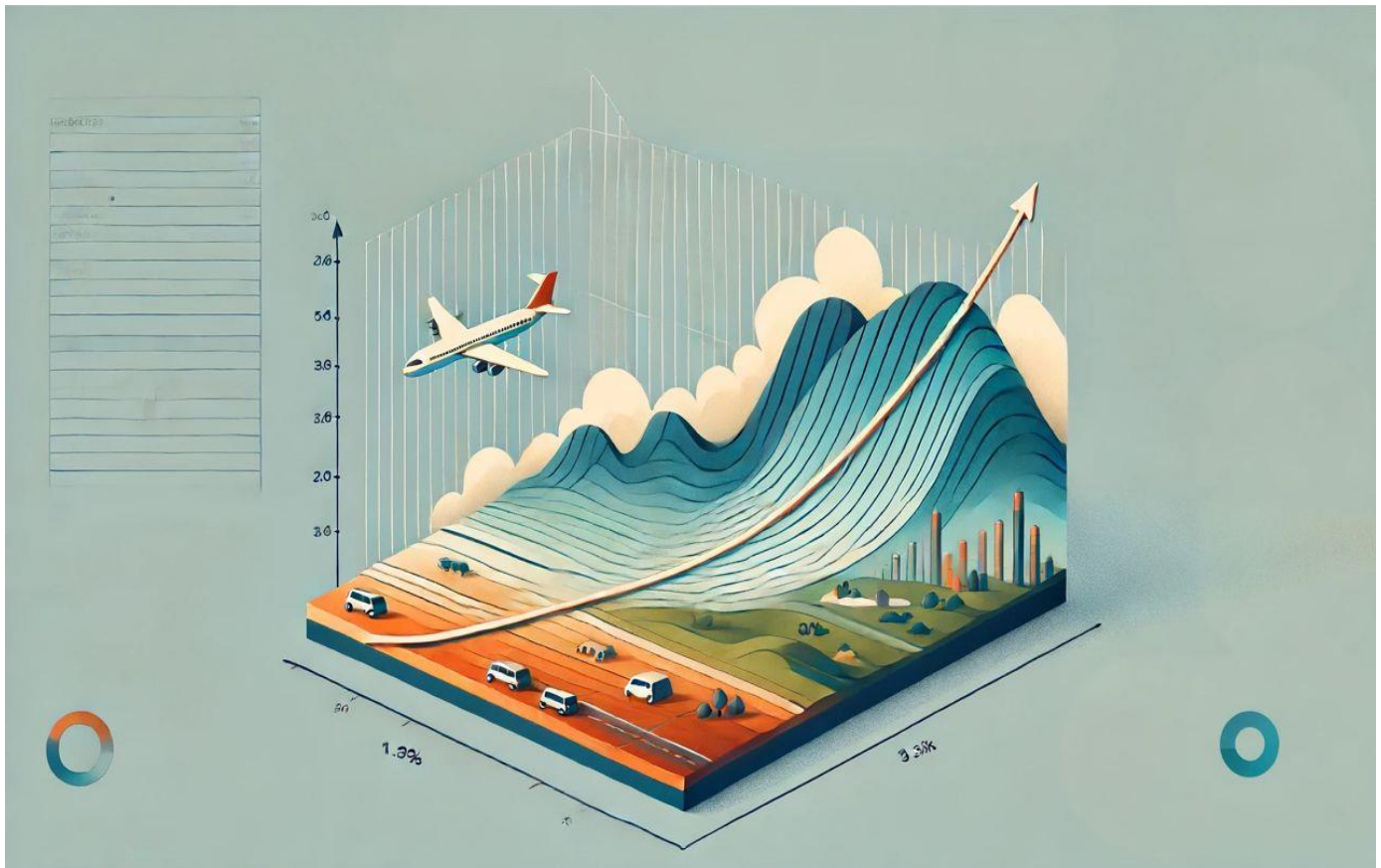
The Climate Change Act which was signed into law on 18th November 2021, is committed to achieving Net-Zero emissions by 2060 and assist Nigeria in achieving its goal of a meaningful contribution to Green-House Gas (GHG) reduction including reducing the socio-economic impacts of the adverse effects of climate change. One of Nigeria's Climate Change pledges is to ensure an unconditional 20% GHG emission reduction by 2030.

Government policy on the use of Compressed Natural Gas (CNG) powered vehicles by 2027 is targeting 1 million CNG powered vehicles that reduces the use of traditional petrol depended vehicles. The CNG is targeted at providing cheaper and cleaner fuel alternative thereby reducing Nigeria's dependence on fossil fuel and contributing to a more secure energy future in Nigeria.

These initiatives justify Nigeria's focus on the LTAG (Long-Term Aspirational Goals) on emissions reduction that will catalyze emission

reduction and foster sustainable development in line with the Nigeria vision of a 2060 LTAG.

CHAPTER FOUR

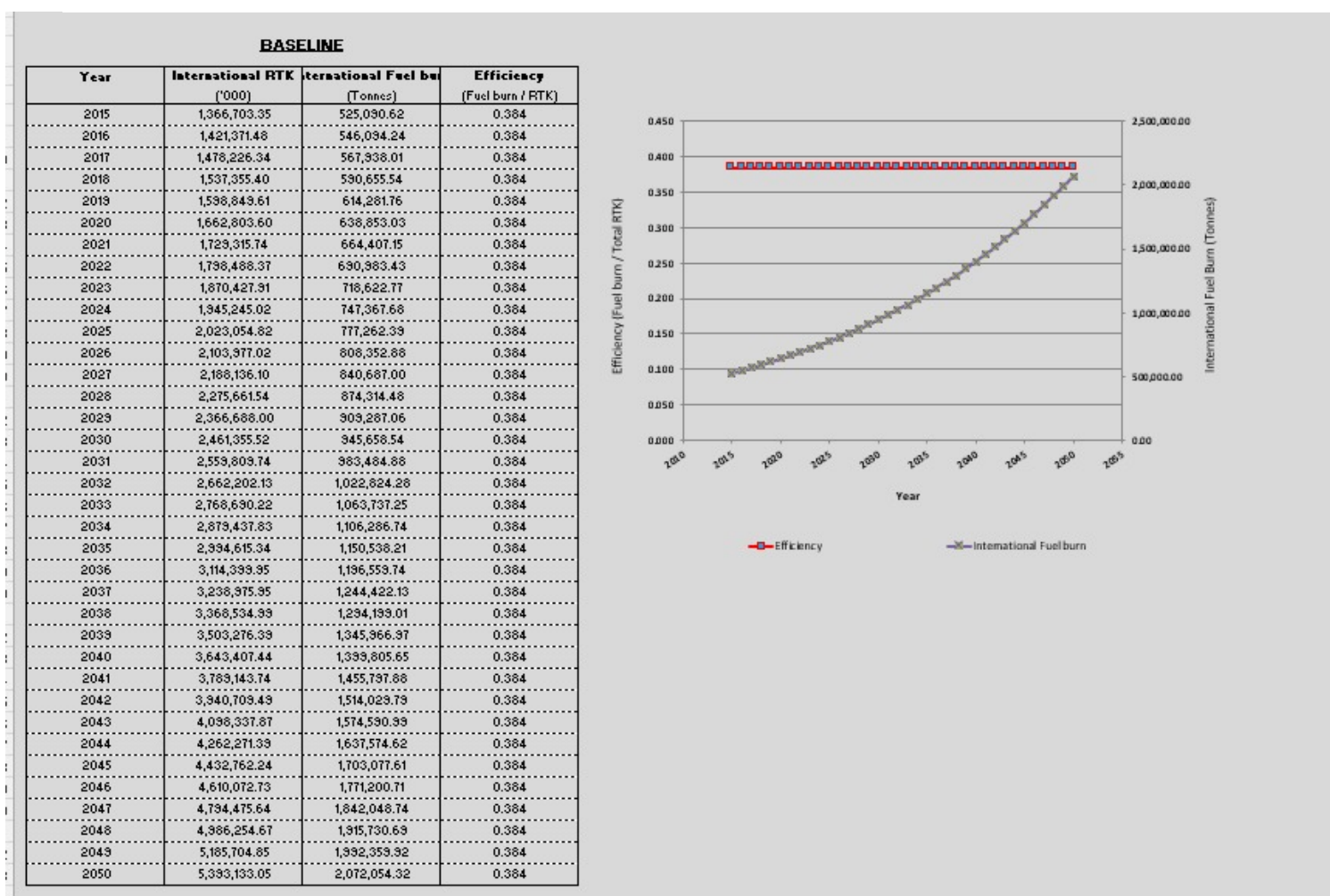


4.0 BASELINE AND EXPECTED RESULT FOR CO2 EMISSIONS IN INTERNATIONAL AVIATION

4.1 Baseline

4.1.1 Using the ICAO Environmental Benefit Tool (EBT), The Baseline calculation was done with the ICAO methodology for a single year of historical data. The following table and figure illustrate the results of the projection till 2050.

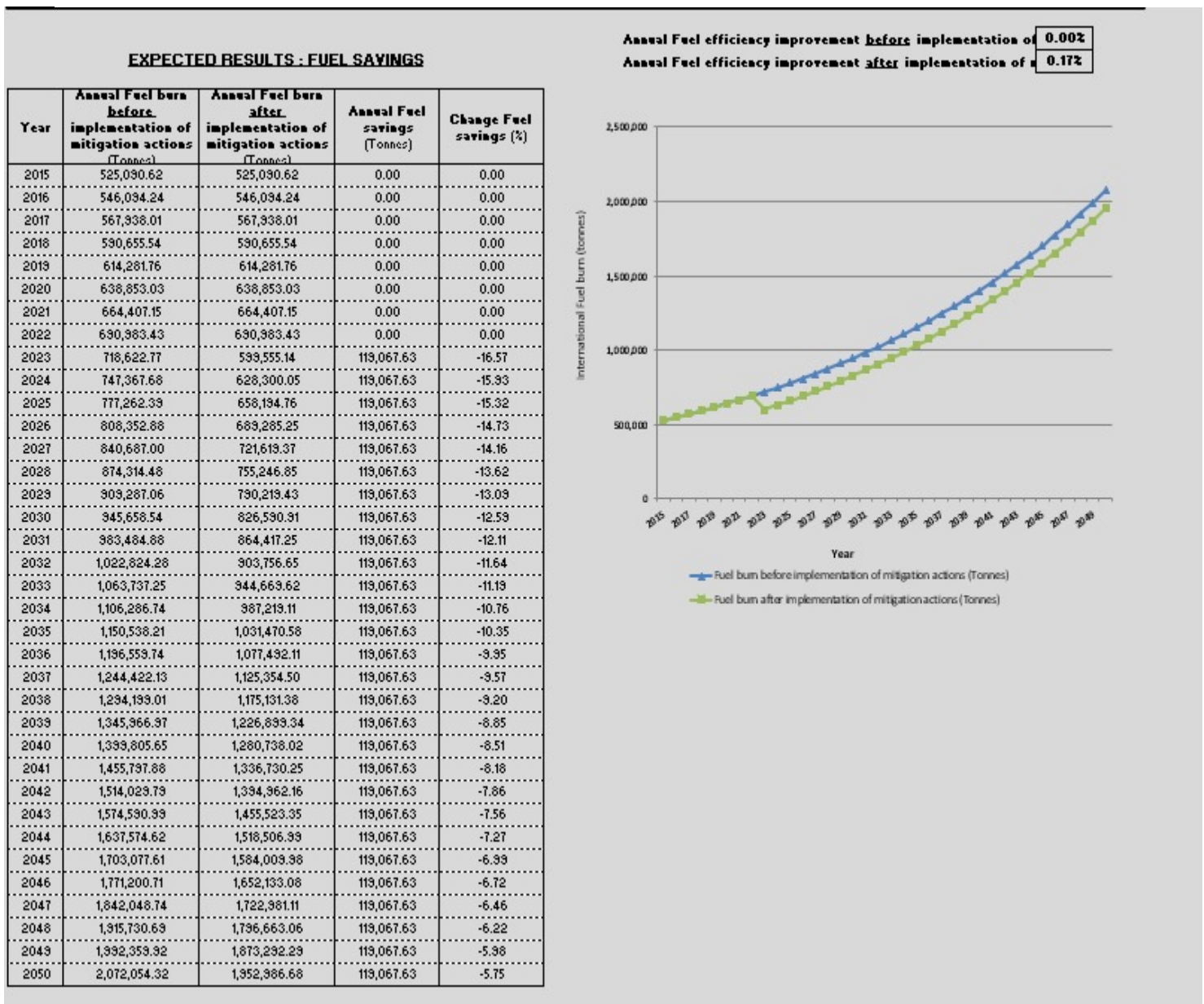
Figure 7: The Baseline calculation



4.2 Expected Result: Fuel Savings

4.2.1 The figure below shows the Expected Results in respect of fuel savings after the implementation of the measures in the action plan.

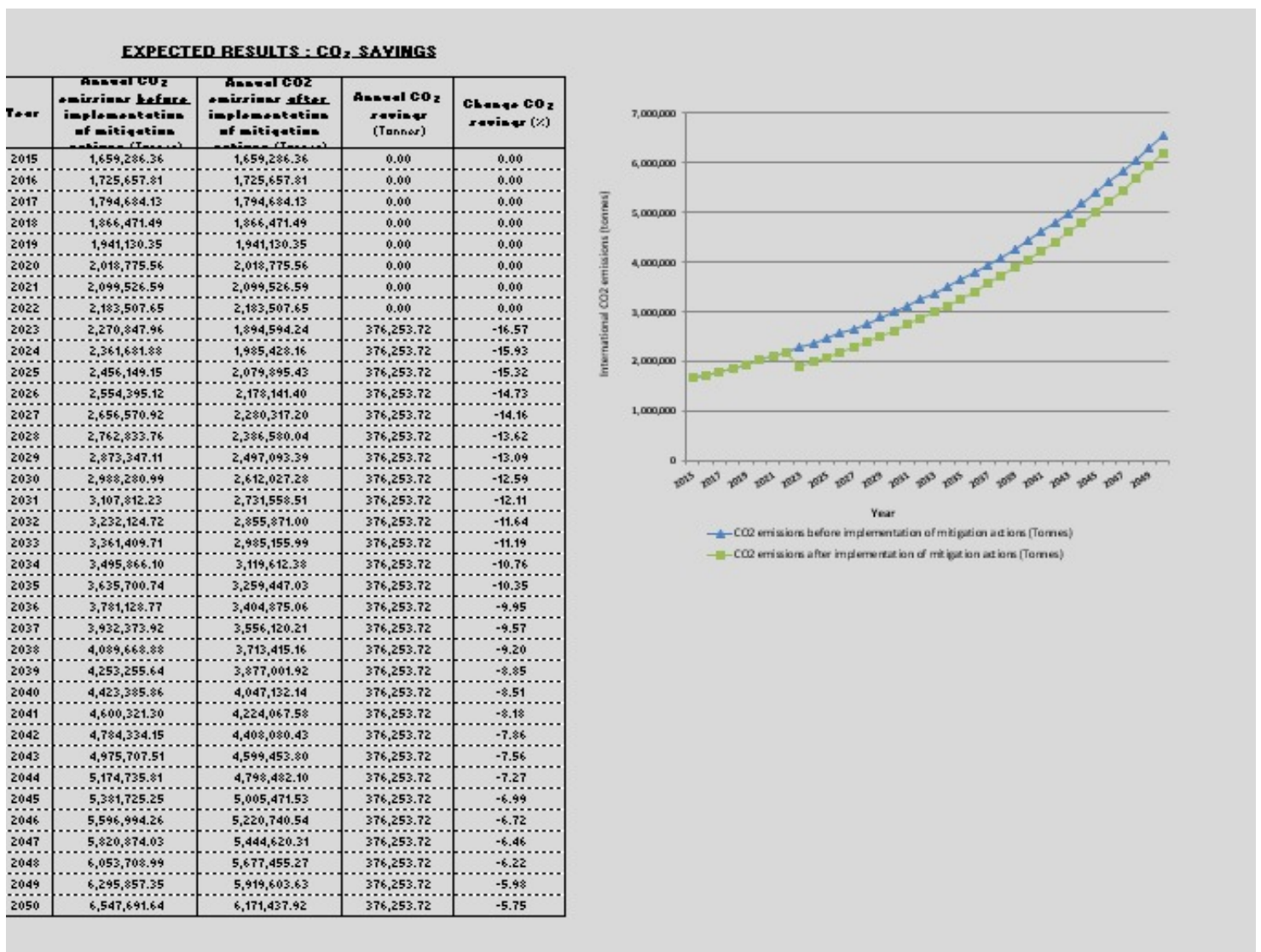
Figure 8: Expected Result – Fuel Savings



4.3 Expected Result: CO₂ Savings

4.3.1 The figure below shows the Expected Results in respect of CO₂ savings after the implementation of the measures in the action plan.

Figure 9: Expected Result – CO₂ Savings



CHAPTER FIVE



5.0 MITIGATION MEASURES

5.1 Ongoing Mitigation Efforts

Since the submission of the previous action plan in 2021, Nigeria has not relented in her efforts to decarbonize the aviation sector. The mitigation measures in this Action plan showcases extant efforts by Nigeria to prevent and reduce Carbon dioxide emission and create environmentally friendly aviation in line with ICAO's global aspirational goal of two percent (2%) annual fuel efficiency improvement from 2021 to 2050.

These aforementioned efforts are evident in the following areas:

- ❖ Modernization of fleet used by Nigerian Airlines
- ❖ Improved operations/Operational Efficiency
- ❖ Federal Ministry of Environment Emissions Reduction Initiatives
- ❖ Improvement and modernization in airport infrastructure
- ❖ Improvement in air traffic management and infrastructure use
- ❖ Fuel conservation technique
- ❖ Regulatory Measures

5.2 Modernization of fleet used by Nigerian Airlines

Nigerian Airlines have started the robust implementation of fleet modernization in their operations through the introduction of the E195-E2 aircraft in 2021. The E195-E2 is one of the most fuel-efficient aircraft with very low carbon emissions. Certified to the strictest international noise standards, with a noise footprint that is up to 76% smaller than previous-generation narrow body aircraft. The B737 classics are gradually being phased out and replaced with newer aircraft namely E175-E2, B737 Max 8 and A220-300.

To ensure that the Nigerian aviation sector contributes to the reduction of carbon emissions and also meet up with the global targets agreed at the 41st ICAO Council, on Net Zero Emission by 2050 in International Aviation, the Civil Aviation Authority has continued to encourage, ensure and promote the gradual renewal of aircraft fleet by Nigerian Certified Operators to newer aircraft with more efficient engines that consume less fuel and are compatible with blends of LCAF and SAF as source of power.

Table 4 demonstrates how Shift pattern in Aircraft being operated by General Aviation Operators in Nigeria has gradually progressed towards newer and more efficient aircraft.

Table 4: Demonstration of Shift pattern in Aircraft being operated by General Aviation Operators in Nigeria.

AIRCRAFT TYPE	2014	2015
<u>BOMBARDIER</u>		
CHALLENGER 800	-	1
CHALLENGER 650	-	1
CHALLENGER 605	3	7
CHALLENGER 604	9	10
CHALLENGER 601	4	-
CHALLENGER 600	-	2
CHALLENGER 350	-	1
CHALLENGER 300	1	
GLOBAL 7500	-	3
GLOBAL 6500	-	1
GLOBAL 6000	-	7
GLOBAL 5500	-	1
GLOBAL 5000	-	2
GLOBAL EXPRESS XRS	-	4

GLOBAL EXPRESS	2	3
<u>CESSNA</u>		
CESSNA 525 CITATION CJ1		3
CESSNA 650 CITATION III		1
CESSNA CITATION SOVEREIGN C680	1	1
CESSNA CITATION C500	1	-
CESSNA CITATION CJ4	1	-
CESSNA CITATION II	1	-
CESSNA CITATION XLS+	1	-
CESSNA CITATION II	1	-
CESSNA CITATION CJ3	1	-
<u>DASSAULT FALCON</u>		
FALCON 50EX	-	1
FALCON 7X	3	5
FALCON 8X	-	3
FALCON 900LX	-	1
FALCON 900EX	-	1
FALCON 2000	-	1
FALCON 2000LX	-	1
	-	
<u>EMBRAER</u>		
EMB-505 PHENOM 300	-	3
EMB-145LR	-	1
EMB-145	-	1
LEGACY 650	-	4
LEGACY 600	1	11
<u>GULFSTREAM</u>		
GULFSTREAM G650ER	-	2
GULFSTREAM G550	3	9
GULFSTREAM V	2	1
GULFSTREAM G450	2	3
GULFSTREAM IV-SP		2
GULFSTREAM IV	2	3
GULFSTREAM III	-	4
GULFSTREAM G280	-	1
GULFSTREAM G200	-	3

<u>HAWKER</u>		
HAWKER 800XP	3	19
HAWKER 125-700A	1	-
HAWKER 125-700B	2	-
HAWKER 800B	3	-
HAWKER 800XPi	1	-
HAWKER 850XP	3	-
HAWKER 900XP	-	4
BEA 125-1000B	-	1
HAWKER 4000	-	1
<u>BEECHCRAFT</u>		
BEECH B300 SUPER KING AIR 350	-	1
BEECH 1900D	-	3
<u>CIRRUS DESIGN</u>		
CIRRUS SF-50 VISION	-	2
CIRRUS SR20	-	1
<u>JABIRU</u>	-	-
JABIRU J430	-	1
<u>ROBINSON</u>		
ROBINSON R66	-	4
		-
<u>AGUSTAWESTLAND</u>	-	-
AGUSTA A109S	-	1
<u>DORNIER</u>		
DORNIER DO-328 ENVOY 3	4	-
DORNIER DO-228-101	2	-
DORNIER DO-328-100	1	2
<u>LEARJET</u>		
LEARJET 45	-	1
LEARJET 45XR	2	3
		-
<u>DIAMOND AIRCRAFT INDUSTRIES</u>		
DIAMOND DA62	-	1

DIAMOND DA42	-	2
DIAMOND DA40	-	6
<u>BELL TEXRON</u>		
BELL 505	-	1
-		
<u>BOEING</u>		
BOEING BBJ	1	-
-		
<u>AIRBUS</u>		
A330	-	1
TAMPICO TB-9	10	-
TAMPICO TB-8	5	-
CESSNA 172	15	-

Table 5 demonstrates how Shift pattern in Aircraft operated by Nigerian AOC Holders in Nigeria has gradually progressed towards newer and more efficient aircraft.

Table 5: Demonstration of Shift pattern in Aircraft operated by Nigerian AOC Holders

S/N	AIRCRAFT TYPE	2014	2024
1	AW 139	11	5
2	AW 109	1	2
3	AW189	0	1
4	BELL 412	5	0
5	BELL 212	2	-
6	EC 155	1	-
7	EC 135	1	-
8	AS 365	1	-

9	AS 350	-	3
10	B737 - 300	10	7
11	B737 - 400	-	5
12	B737 - 500	-	11
13	B737 -800	-	5
14	B737 -200	4	-
15	B737 -700	-	4
16	B777-200	-	1
17	B777-300	-	3
18	B747 - 400	2	0
19	EMB 505	-	2
20	EMB 135BJ	-	2
21	EMB 135	-	1
22	EMB 145 LR	-	15
23	EMB 145MP	-	5
24	ERJ 170	-	4
25	E192-E2	-	5
26	CRJ 200	-	5
27	CRJ 200		
28	A220	-	3
29	A320	-	1
30	A340	-	1
31	B 1900D	-	4
32	HS 800 XP	-	8
33	HS 900 XP	-	2

34	HS 850 XP	-	1
35	DO 328 -100	2	1
36	DO 328 -200	-	1
37	DO 228 200	7	-
38	ATR 42	3	-
39	ATR 72	-	4
40	CL 600	-	1
41	CL 604	-	2
42	CL 605	-	1
43	S76 D	-	8
44	S92	-	2
45	S76 C+	-	1
46	MD 82	3	-
47	L45	-	1
48	CESSNA 172	1	2
49	Q 400	-	6
50	Q300	2	-

5.3 Improved Operation/Operational Efficiency

There has been a recent review of Operational Flight Plan (OFP) by Nigerian airlines which requires efficient pre-flight calculation of usable fuel that requires operating an aircraft without carrying unusable fuel. This is in accordance with Part 8.6.2.13(c) of the Nigeria Civil Aviation Regulations (Nig.CARs)

5.4 Federal Ministry of Environment Emissions Reduction Initiatives

5.4.1 Nationally Determined Contribution (NDC)

Nigeria through the Federal Ministry of Environment revised the Nationally Determined Contribution (NDC) in July 2021 with unconditional greenhouse gas emission reduction target of 20% and 47% conditional target. Also waste and water was added scaling up the sectors to be seven which includes, Oil & Gas, Transport, Agriculture, Energy, Industry, Waste and Water Sectors. Other issues included are Just transition, green job assessment, clean cooking, methane reduction, gender, youth and nature-based solutions. The overall aim is to Limit the increase in global average temperature to well below 2 °C above pre-industrial levels and to pursue efforts to limit the temperature increase to 1.5 °C above pre-industrial levels.

5.4.2 Cleaner Energy

Federal Executive Council approval of National Clean Cooking Policy of Nigeria on 25 March, 2024 which was officially launched in April 2024 at the 17th Session of National Council on Environment. The Government has commenced the distribution of clean cookstoves as pilot projects. Clean Cooking and Energy Transition: The National Clean Cooking Policy and the distribution of clean cook stoves initiatives could support CORSIA and carbon offsetting needs by generating carbon credits from clean cooking technologies and renewable energy projects, which can be used to offset aviation emissions.

5.4.3 Methane and SLCP Reduction Initiatives

Nigeria joined the Global Methane Alliance in 2019. Countries who join the alliance commit to absolute methane reduction targets of at least 45% by 2025 and a 60-75% reduction by 2030. Nigeria joined major countries of the World and signed to the Global Methane Pledge at Conference of Parties (COP28) in Glasgow, 2021. The Global Methane Pledge is a joint agreement to slash global methane emissions by 30% from 2020 levels in all industries by 2030, according to Bloomberg. The National Action Plans to reduce Short-lived Climate Pollutants has been developed with the support of the UN Environment.

5.4.4 Ban of single use of plastic in Nigeria

In January 2024, the Federal Ministry of Environment, commended the Lagos State Government's decision to ban Styrofoam and single-use plastics as a significant step towards environmental sustainability.

5.4.5 Cleaning up of Ogoni land with support of UNEP

The United Nations Environment Programme (UNEP) released its Environmental Assessment of Ogoniland. The report was commissioned by and delivered to the Federal Government of Nigeria. It makes recommendations to the government, the oil and gas industry and communities to begin a comprehensive cleanup of Ogoniland, restore polluted environments and put an end to all forms of ongoing oil contamination in the region.

5.4.5 Energy Transition Plan

Developed the Energy Transition Plan targeting about 250GW installed electricity generation capacity by 2050; 90% of this capacity from renewables, 80% electric vehicles by 2050; • Clean cooking technologies for >80% of the population by 2050, while natural gas is the transiting fuel which burns with less carbon compared to fossil fuel.

5.4.6 Collaboration on Forest Reserves

Collaboration with military, hunters and community dwellers to protect and preserve the forest resources.

5.4.7 Solid Waste Management

Development of the National Policy on Solid Waste Management to promote a clean and healthy environment for sustainable socio-economic development of the nation. This policy aligns with ICAO's initiatives as solid waste, including municipal solid waste (MSW), is a potential feedstock for Sustainable Aviation Fuel (SAF). Utilizing MSW for SAF production contributes to waste reduction and supports the aviation sector's transition to sustainable energy sources.

5.4.8 Emissions Trading Scheme/Carbon Market Framework

In August 2022, the Nigerian government announced its intention to adopt the Emissions Trading Scheme (ETS) and establish the Nigeria Emissions Trading Scheme which provides policy recommendations and measures for meeting the country's net zero greenhouse gases emission target, in line with the Climate Change Act 2021.

5.4.9 Green Bonds and Climate Financing

Nigeria has issued the first and second National Green Bonds and is in the process of issuing the third. These bonds finance green projects that support sustainable development and environmental protection. The carbon market framework facilitates market-based measures, contributing to carbon offsetting and climate finance.

5.4.10 Other Initiatives

- ❖ Development of 2050 Long – Term Low Emission Strategies under the Paris Agreement
- ❖ Capacity building and awareness creation of carbon credit and climate finance
- ❖ Engagement with stakeholders on greening of the economy across every sectors
- ❖ Ministry of Environment active participation and national representation at international climate and environmental treaties and conferences.
- ❖ Renewable Energy and Electric Vehicles Plans
- ❖ Greenhouse Gas Inventory and Reporting annual updates, and coordinating a national digital hub for GHG inventory management
- ❖ Climate Change Adaptation research on the National Adaption Plan to mainstream climate change adaptation into national development planning

5.5 Improvement in Air Traffic Management – Nigerian Airspace Management Agency (NAMA)

5.5.1 Free Route Airspace (FRA) Usage and conventional fixed ATS route usage comparison analysis – First Quarter 2023 (Critical Aircraft – B737)

The conceptualization, development, charting, publication and successful implementation of Free Route Airspace – Local (FRA – Local)

in Kano Flight Information Region (FIR) which commenced on the 2nd December 2021 was conducted as follows:

1. INITIAL IMPLEMENTATION: AS09/2021 effective date 2nd December 2021
2. FIRST PHASE INCREMENT: AS10/2022 effective date 19th May 2022
3. SECOND PHASE INCREMENT: AS16/2022 effective date 3rd November, 2022

Subsequent appraisals of FRA implementation show general operational benefits as follows;

- a. Reduction in flight time
- b. Reduction in fuel consumption
- c. Reduction in carbon dioxide emission
- d. Reduction in ATC / Pilot workload
- e. Economic and flight efficiency advantages it portends for airspace users between the Kano FIR and Accra FIR.

Within the Kano FIR, specific FRA – Local implementation benefits as observed include the following;

- ❖ Savings in distance from these improvements could be as much as 39 NM per route leg (route segment) per user, multiplied by number of users per day.
- ❖ Time savings per Route Leg (Minutes) could be as much as six minutes (6 minutes) per user, multiplied by number of users per day, while
- ❖ Fuel Savings per Route Leg could be as much as 289.21 Kg per user, multiplied by number of users per day.
- ❖ CO₂ Savings per Route Leg could be as much as 942.35 Kg per user, multiplied by number of users per day.

S/N	JANUARY 2023		FEBRUARY 2023		MARCH 2023	
o	AVIATION FUEL SAVED (KG)	CO2 EMISSION SAVED (KG)	AVIATION FUEL SAVED (KG)	CO2 EMISSION SAVED (KG)	AVIATION FUEL SAVED (KG)	CO2 EMISSION SAVED (KG)
1	36200.54	114731.56	35901.85 4	113787.20 6	42536.84 8	134415.73 6
	AVIATION FUEL SAVED (3 Months)..... CO2 EMISSION SAVED (3 Months)..... ..		- 114,639.242 Kg - 362,934.502 Kg			

1. **AVERAGE MONTHLY AVIATION FUEL SAVED – 114,639.242 kg**
= 38,213.081 Kg (**Prorated**)
3 months
2. **AVERAGE MONTHLY CO2 EMISSION SAVED – 362,934.502 kg**
= 120,978.167 Kg (**Prorated**)
3 months

These monthly data can be used as prorated from 2nd DECEMBER 2021 – DATE (29 months) for FREE ROUTE AIRSPACE (FRA) USAGE / CONVENTIONAL FIXED ATS ROUTE USAGE

****KEY:** Shorter distance travelled (FRA) = Reduced travel time = Amount of aviation fuel saved = CO2 emission saved from entering the atmosphere

From analysis of the statistical data on the tables below, the international airspace users have saved the following since the implementation of FRA – Local in Kano FIR till date (29 months);

1. $38,213.081 \times 29 = 1,108,179.349 \text{ Kg} = 1,108.2 \text{ Tonnes}$

Over 1.1 tonnes of aviation fuel have been saved by international airlines usage of Free Route Airspace in Kano FIR

Consequently, from analysis of the statistical data on the tables above,

2. $120,978.167 \times 29 = 3,508,366.843 \text{ Kg} = 3,508.4 \text{ Tonnes}$

Over 3.5 tonnes of CO₂ emissions have been saved from being released into the atmosphere by usage of Free Route Airspace in Kano FIR

5.5.2 Benefits to Kano FIR (NIGERIA)

About **3.5 tonnes of CO₂ emissions have been saved from being released into the atmosphere by usage of Free Route Airspace in Kano FIR.**

Find on the tables in Appendix A the statistical data for the 1st quarter 2023 (January – March 2023) on the actual **Fuel Savings per Route Leg (Kg)**, and **CO₂ Savings per Route Leg (Kg)** for the international airlines currently operating in the FRA – Local Kano FIR.

5.6 Participation in the Airport Carbon Accreditation Programme – Federal Airports Authority of Nigeria (FAAN)



There are several strategic initiatives and concerted efforts undertaken by the Federal Airports Authority of Nigeria (FAAN) to achieve a significant reduction in carbon emissions at Murtala Muhammed International Airport (MMIA), Ikeja, Lagos, Nigeria as well as commenced preparation to start mapping the carbon footprint at the Nnamdi Azikiwe International Airport (NAIA), Mallam Aminu Kano International Airport (MAKIA), Port-Harcourt International Airport (PHIA) and Akanu Ibiam International Airport (AIIA). As part of the Airport Carbon Accreditation (ACA) programme of the Airports Council International (ACI), MMIA has committed to a 20% reduction in carbon emissions by 2030, using 2019 as the baseline year.

In alignment with global efforts to combat climate change, FAAN has proactively engaged in the ACA programme since 2018, documenting

and reporting MMIA's carbon footprint annually, except for 2020 due to the COVID-19 outbreak.

5.6.1 Carbon Management Plan

A comprehensive carbon management plan has been developed, involving a cross-departmental committee to formulate and implement emission reduction strategies. These strategies are categorized based on their financial implications and time frames: short-term (≤ 1 year), mid-term (> 1 year to ≤ 3 years), and long-term (> 3 years).

In general, FAAN has set an ambitious target of a 20% reduction in emissions by 2030, based on the 2019 baseline. As of 2021, approximately 4% of this target has already been achieved.

5.6.2 Carbon emissions reduction achievement in Murtala Muhammed International Airport (MMIA)

Over recent years, MMIA has undertaken various measures aimed at mitigating carbon emissions and promoting energy efficiency. Among these initiatives, the replacement of incandescent bulbs with LEDs and the procurement of electric fire tenders have played a pivotal role.

In 2021, an impressive reduction of approximately 4% in carbon emissions was recorded compared to the average emissions of the previous three years, which encompassed data from 2017, 2018 and 2019. This reduction can be directly attributed majorly to replacement of incandescent bulbs with LEDs

The transition from incandescent bulbs to LEDs across various facilities within the airport has significantly decreased energy consumption.

LEDs are known for their energy efficiency, longer lifespan, and reduced environmental impact, contributing to the overall reduction in carbon emissions.

The Nigerian Government's commitment to reducing carbon emissions at MMIA is unwavering, with the ambitious target of a 20% reduction by 2030 well within reach. Continuous efforts, stakeholder engagements and strategic investments in sustainable technologies and practices are expected to not only meet but potentially exceed this target, contributing significantly to global and national climate change mitigation efforts.

5.7 Ground Handlers Initiatives

5.7.1 Enhanced Ground Support Equipment (GSE) Management

Nigerian Ground Handling companies have enhanced their operations through the use of new Ground Handling Support Equipment with engines that meet the following exhaust emissions regulations:

- ❖ USA EPA Tier III
- ❖ EU Stage IIIA

Thereby achieving reduction in CO₂ emissions using new Ground Support Equipment (GSE).

5.7.2 NEW GSEs Since 2021

Fleet Number	Code	Equipment Model	Year of Manufacture
L2-58	MDL	LAM 14000 (MD) (MAIN DECK)	2022
L2-59	MDL	LAM 35000 (MD) (MAIN DECK)	2022
L2-60	MDL	LAM 14000 (MD) (MAIN DECK)	2022
L2-61	MDL	LAM 35000 (MD) (MAIN DECK)	2022
L9-10	ACU	GF50V50	2020
L10-97	CTU	Sherpa D5	2021
L10-98	CTU	Sherpa D5	2021
L10-99	CTU	Sherpa D5	2021
L10-100	CTU	Sherpa D5	2021
L10-101	CTU	Sherpa D5	2021
L10-102	CTU	Sherpa D5	2021
L10-103	CTU	Sherpa D5	2021
L10-104	CTU	Agric Tractor	2023
L10-105	CTU	Agric Tractor	2023
L10-106	CTU	Agric Tractor	2023
L10-107	CTU	Agric Tractor	2023
L10-108	CTU	Agric Tractor	2023
L11-104	FLU	DP50NT	2022
L11-105	FLU	30 DE-7	2022
L13-06	PCT	T7000	2018
L16-65	PBS	C STAIR FCHR	2022
L16-66	PBS	C STAIR FCHR	2022
L16-67	PBS	C STAIR FCHR	2022
L16-68	PBS	C STAIR FCHR	2022

5.8 Preventive Maintenance

Preventive maintenance schedules taken by GHC are as follows:

- ❖ Adherence to Original Equipment Manufacturer (OEM) directed preventive maintenance schedules.
- ❖ Using the correct filters as per the OEM that guarantee reduced emissions.

5.7.3 Automotive Gas Oil (AGO) Processing

Ground Handling Companies use Automotive Gas Oil Processing as follows:

- ❖ All AGO are taken through tests to ascertain that the delivery meets emission control standards.
- ❖ Keep scheduled scanting of the reserve tanks to reduce utilization of contaminated AGO which leads to emissions.

5.7.4 Environmental Protection Measures

The ground handlers also carry out other environmental protection measures which include:

- ❖ Planting of green gardens and trees within the facilities.
- ❖ Regular maintenance of the generators with genuine service parts from the original manufacturers.
- ❖ Introduction of the use of electric forklifts within the warehouses
- ❖ Replacement of Diesel operated engines with Battery operated engines thereby reducing CO2 emission.
- ❖ GSE Standard Operating Procedure that Ground Support Equipment must never be left running when not in use.

5.8 Regulatory Measures

5.8.1 Continuous Engagements on Aircraft Renewal

The Nigerian Government through its continuous engagement of the airlines have consistently encouraged operators to:

- ❖ Modify their aircraft with newer compatible and more efficient engines, where possible.
- ❖ Use Turbo Prop Engines for Short Haul Flights within the country. They are more efficient and burn less fuel.
- ❖ Incorporate the concept of LCAF and SAF in the Air Operators Certificate (AOC) Certification/Renewal. This will enlighten the Operators on the future of Aviation Fuelling, thus they can align their operational plans in line with the shift in technological advancement taking place within the Aviation world. This will properly prepare the operators and guide their long-term business decisions.
- ❖ Ensure and promote operation centred on Performance Based Navigation (PBN), this will reduce flight times and quantity of fuel burn.
- ❖ Ensure and promote flight operation based on Reduced Vertical Separation Minima (RVSM) application. This will enable them to fly at a higher altitude thus reducing flight times and quantity of fuel burn.
- ❖ Ensure and promote the use of Remote Piloted Aircraft Systems (RPAS) for the provision of Aerial Services to replace the current fleet of Piston Engine Aircraft in service.
- ❖ The Government in exercising its statutory functions is more restrictive with the approved Noise Certification requirements to ensure that operators acquire newer fleets with more efficient engines.
- ❖ The CAA has also developed and incorporated these regulations into the Nig. CARs that will ensure, encourage and promote the development and deployment of LCAF/SAF within the Nigeria Aviation Sector.

5.8.2 Ongoing efforts on Air Navigation Services (ANS)

The Nigeria Government has continued to put in place regulatory measures in Air Navigation Services. Some of the areas are:

- ❖ Establishment of PBN procedures for flight operation across Kano FIR.
- ❖ Establishment of Free Route Airspace in the Kano FIR.
- ❖ Total Radar Coverage of Nigeria (Kano FIR and adjacent Airspace).
- ❖ Total VHF Radio Coverage to enhance Pilot-ATC communication in Kano FIR and adjacent FIRs.
- ❖ AIS Automation to enhance seamless flight operation.
- ❖ Deployment of New Navigational and Landing aids at Airports e.g., DVOR & ILS.
- ❖ Provision of voice and data links systems to enhance seamless flight operation e.g., CPDLC, ADS-B and ADS-C.
- ❖ Establishment of NAMA by Act NO 48 of 1999 TO CHECK CURRENT ACT

Regulation and Guidelines:

- ❖ Civil Aviation ACT 2022 and Part 14 of the Nigeria Civil Aviation Regulations (Nig.CARs) 2023. These serve as a guide for the conduct of Air Navigation activities.
- ❖ 2022 USOAP conducted for the state to check its preparedness for the provision Air Navigation Services.
- ❖ Various ICAO trainings, webinar, workshops to enhance personnel capacity building.

CO₂ emissions mitigation through Air Navigation Services (ANS):

- ❖ Through Direct routing/FRA.
- ❖ Establishment of SID and STARs procedures at Airports.
- ❖ Area Navigation (RNAV) flight procedures.
- ❖ Air Traffic Flow Management (ATFM).
- ❖ Enhanced Navigational and Landing Aids for precision operation at airports.
- ❖ Tremendous milestone transformation of ANS/ATC to enhance flight safety, expeditious and seamless flight operation.

5.8.3 Ongoing efforts on Remotely Piloted Aircraft Systems (RPAS)

- a. Nigeria in 2023 included a regulation namely Part 21 on Remotely Piloted Aircraft Systems (RPAS) and an Advisory Circular on RPAS Certification.
- b. Nigeria is a member of the ICAO RPAS panel.

- c. On training Nigeria participated in the ICAO online training on drone as well as the Drone Enable Conference in Montreal, Canada in 2023.
- d. More than 70% of the drones registered in Nigeria are battery powered minimizing CO₂ emissions.
- e. In 2024 the Civil Aviation Authority created Unmanned Aviation System (UAS) Integration Unit for coordinating drone operations.

CHAPTER SIX



6.0 REVIEW OF THE ACTION PLAN

This is a living document which should be reviewed and improved upon every three years to ensure that it is relevant to all international efforts in addressing Climate Change and CO₂ emission.

The team of experts involved in the preparation of this Action Plan will be monitoring the progress made in CO₂ emissions reduction in international aviation for future review.

CHAPTER SEVEN



7.0 ASSISTANCE REQUIRED

The assistance needed to implement the Action Plan includes technical, financial support from external stakeholders and training.

Assistance is therefore needed in the following areas:

- i. Support in installation of fuel management systems for airlines
- ii. Continuous support from ICAO in updating the present Action Plan;
- iii. The development of technical capacity;
- iv. Support in setting up systems for the monitoring of emissions relating to airlines and airports;
- v. Research on CO₂ emissions mitigation measures
- vi. Financial capacity in the implementation of mitigation measures;

APPENDIX

APPENDIX A - Kano FIR over fliers CO₂ emission savings (Fuel Savings) per route leg based on free route airspace concept for January 2023 – Critical Aircraft – B737

DATE dd/mm /yyyy	OPERATOR	ACFT TYPE	REG.	Call Sign	Dept. Point	Dest.	Entry Point	Exit Point	LVL/ S	Fuel Savings Per Route Leg (Kg)	CO ₂ Savings Per Route Leg (Kg)
01/01/2023	BRITISH AIRWAYS	A35K	GXWBG	BAW 43	EGLL	FACT	ENBUT	EBIMU	370	15.522	49.05
01/01/2023	ROYAL AIR MAROC	B738	CNROZ	RAM 285	GMMN	FKKD	BOVDA	OBUDU	350	99.557	314.6
01/01/2023	EMIRATE	B77W	A6ECK	UAE 795	OMDB	GUCY	ETRIS	GANDA	340	46.032	145.46
01/01/2023	EMIRATE	B77W	A6EBK	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
01/01/2023	ETHIOPIAN AIRLINE	B788	ETATH	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
01/01/2023	ETHIOPIAN AIRLINE	B788	ETAOT	ETH 908	GABS	HAAB	GANDA	ETRIS	370/390	46.032	145.46
01/01/2023	ETHIOPIAN AIRLINE	A359	ETAYN	ETH 920	DGAA	HAAB	POLTO	GATAG	370/390	7.494	23.68
01/01/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 517	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
01/01/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 513	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
01/01/2023	EMIRATE	A388	A6EUG	UAE 262	SBGR	OMDB	POLTO	KELAK	390	153.08	483.74
01/01/2023	AIR FRANCE	A332	FGZCA	AFR 900	LFPG	FKYS	MIMBA	TAKUM	330	7.494	23.68
01/01/2023	EMIRATE	B77W	A6EBK	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
01/01/2023	BRUSSELS AIRLINES	A333	OOSFE	BEL 383	FKYS	EBBR	TAKUM	MIMBA	380	7.494	23.68
02/01/2023	TURKISH AIRLINES	B78M	TCLCM	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
02/01/2023	ROYAL AIR MAROC	B738	CNROH	RAM 509	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6

02/01/2023	EGYPT AIR	B738	SUGEM	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
02/01/2023	EMIRATES	B77W	A6EGP	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
02/01/2023	ETHIOPIAN AIRLINE	B778	ETARE	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
02/01/2023	ETHIOPIAN AIRLINE	B788	ETAOR	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
02/01/2023	ETHIOPIAN AIRLINE	B38M	ETAWJ	ETH 916	DBBB	HAAB	POLTO	GATAG	330/310	7.494	23.68
02/01/2023	DASSAULT FALCON SERVICE	FA7X	FHEXR	DSO 02XR	GMMX	FCPP	BOVDA	OBUDU	450	99.557	314.6
02/01/2023	ETHIOPIAN AIRLINE	A359	ETATY	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
02/01/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH 509	DXXX	HAAB	POLTO	GATAG	350	7.494	23.68
02/01/2023	EGYPT AIR	B738	SUGEM	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
02/01/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH 3916	DIAP	HAAB	POLTO	GATAG	370/390	7.494	23.68
02/01/2023	AIR FRANCE	A332	FGZCA	AFR 900	LFPG	FKYS	ENBUT	EBIMU	370	15.522	49.05
02/01/2023	U A E	B77W	A6EGP	UAE 788	DGAA	OMDB	POLTO	KELAK	350	7.494	23.68
02/01/2023	QATAR AIRWAYS	B788	A7BCB	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	7.494	23.68
02/01/2023	BEELINE	A333	OOSFB	BEL 369	FKYS	EBBR	TAKUM	MIMBA	380	7.494	23.68
02/01/2023	AIR FRANCE	A332	FGLCA	AFR 901	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
02/01/2023	EUROWING S DISCOVER	A332	DAXGE	OCN 133	FYWH	EDDF	EBIMU	ENBUT	380	15.522	49.05
02/01/2023	BRUSSELS AIRLINES	A333	OOSFC	BER 358	FLAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
02/01/2023	ETHIOPIAN AIRLINE	B772	ETANQ	ETH516	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
02/01/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH512	HAAB	DGAA	IKROP	POLTO	400	30.509	96.408
02/01/2023	ETHIOPIAN AIRLINE	B738	ETAWJ	ETH917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
02/01/2023	ASKY	B737	ETAXO	SKK9202	HAAB	DXXX X	IKROP	POLTO	400	30.509	96.408

02/01/2023	KENYIA	B738	5YCYD	KQA515	DGAA	HKJK	POLTO	IKROP	390	30.509	96.408
02/01/2023	ASKY	B737	ETAOK	SKK9203	DXXX	HAAB	POLTO	IKROP	410	30.509	96.408
02/01/2023	RWANDAIR	B737	9XRWK	RWD217	DBBB	FOOL	KIPSA	BIPIV	250	30.509	96.408
02/01/2023	ETHIOPIAN AIRLINE	B777	ETARK	ETH3739	HAAB	DGAA	IKROP	POLTO	340	30.509	96.408
03/01/2023	ROYAL AIR MAROC	B738	CNRGM	RAM 265	GMMN	FOOL	BOVDA	OBUDU	370/310	99.557	314.6
03/01/2023	TURKISH AIRLINES	B38M	TCLCA	THY 915	DAAT	FKYS	MIMBA	TAKUM	330/350	7.494	23.68
03/01/2023	ROYAL AIR MAROC	B738	CNRGI	RAM 519N	GMMN	FKKD	BOVDA	OBUDU	330/310/290	99.557	314.6
03/01/2023	VISTA JET	CL60	9HVFI	VJT 525	DEJN	DBBB	GATAG	POLTO	380/400	7.494	23.68
03/01/2023	ROYAL AIR MAROC	B738	CNRGI	RAM 518	FKKD	GMMN	OBUDU	BOVDA	360	99.557	314.6
03/01/2023	ROYAL AIR MAROC	B738	CNLGM	RAM 264	FZAA	GMMN	OBUDU	BOVDA	360	99.557	314.6
03/01/2023	EMIRATE	B77W	A6EPC	UAE9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
03/01/2023	EMIRATE	B77W	A6ECN	UAE 797	OMDB	GUCY	ETRIS	GANDA	400	46.032	145.46
03/01/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
03/01/2023	ETHIOPIAN AIRLINE	B788	ETARE	ETH 908	GABS	HAAB	GANDA	GADUV	370	61.019	192.82
03/01/2023	ETHIOPIAN AIRLINE	A359	ETAVC	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
03/01/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 513	DXXX	HAAB	POLTO	GATAG	390/410	7.494	23.68
03/01/2023	AIR FRANCE	A332	FGZCF	AFR 775	LFPG	FKYS	MIMBA	TAKUM	350/330	7.494	23.68
03/01/2023	TLJ	E35L	FHSTB	TLJ 179G	LFPB	FCBB	ENBUT	EBIMU	410	15.522	49.05
03/01/2023	AUCOW JET	C750	OEHWJ	AOJ 74J	FKKR	DTTJ	EBIMU	ENBUT	400/430	15.522	49.05
03/01/2023	EMIRATE	B77W	A6EPC	UAE 788	DGAA	OMDB	POLTO	KELAK	350/330	153.08	483.74
03/01/2023	AIR FRANCE	A332	FGCF	AFR 775	FKYS	LFPG	TAKUM	MIMBA	380/400	7.494	23.68

03/01/2023	AIR FRANCE	A359	FHTYS	AFR 722	FZAA	LFPG	EBIMU	ENBUT	400	15.522	49.05
03/01/2023	EDELWEISS AIR	A343	HBJME	EDW86	LSZH	FACT	ENBUT	EBIMU	330	15.522	49.05
03/01/2023	ALLIED AIR	B734	5NJRT	AJK133	FOOL	DXXX	BIPIV	KIPSA	280	30.509	96.408
03/01/2023	AIR COTE D'IVOIRE	A320	TUTSV	VRE825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
03/01/2023	ETHIOPIAN AIRLINE	B789	ETAXL	ETH508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
03/01/2023	ETHIOPIAN AIRLINE	B788	ETATH	ETH517	DXXX	HAAB	POLTO	GATAG	370	7.494	23.68
04/01/2023	TURKISH AIRLINES	B38M	TCLCK	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
04/01/2023	TURKISH AIRLINES	A332	TCJNC	THY 672	FZAA	EHAM	EBIMU	ENBUT	380	15.522	49.05
04/01/2023	QATAR AIRWAYS	B788	A7BCC	QTR 1423	OTHH	DGAA	GATAG	POLTO	380	7.494	23.68
04/01/2023	ETHIOPIAN AIRLINE	B788	ETAQQ	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
04/01/2023	EGYPT AIR	B738	SUGEK	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
04/01/2023	ETHIOPIAN AIRLINE	B789	ETARE	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
04/01/2023	EMIRATE	A388	A6EUK	UAE 262	SBGR	OMDB	POLTO	KELAK	390	153.08	483.74
04/01/2023	ETHIOPIAN AIRLINE	B788	ETATH	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
04/01/2023	ETHIOPIAN AIRLINE	A359	ETAUC	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
04/01/2023	ETHIOPIAN AIRLINE	B789	ETAXL	ETH 509	DXXX	HAAB	POLTO	GATAG	350	7.494	23.68
04/01/2023	EGYPT AIR	B736	SUGEK	MSR 882	DGAA	HECA	POLTO	KELAK	330/350	153.08	483.74
04/01/2023	VISTA MALTA	CL60	9HVFC	VJT525	DBBB	OMDW	POLTO	KELAK	350/370	153.08	483.74
04/01/2023	EMIRATES	B77W	A6ENL	UAE 788	DGAA	OTHH	POLTO	KELAK	350	153.08	483.74
04/01/2023	QATAR AIRWAYS	B788	A7BCC	QTR 424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
04/01/2023	BEELINE	A333	OOSFG	BEL 3598	FZAA	EBBR	TAKUM	MIMBA	360	7.494	23.68

04/01/2023	BRITISH AIRWAYS	A359	GXWBH	BAW 43	EGLL	FACT	ENBUT	EBIMU	370	15.522	49.05
04/01/2023	ASKY	B738	ETAVP	SKK071	FZAA	DXXX	BIPIV	KIPSA	380	30.509	96.408
04/01/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH512	HAAB	DXXX	IKROP	POLTO	360	30.509	96.408
04/01/2023	ETHIOPIAN AIRLINE	B738	ETAQQ	ETH917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
04/01/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH516	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
04/01/2023	DASSAULT FALCON SERVICE	FA8X	FOLTI	D20-02TI	FEFF	DXXX	IKROP	POLTO	400	30.509	96.408
05/01/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 297	GMMN	FCBB	BOVDA	OBUDU	370	99.557	314.6
05/01/2023	ROYAL AIR MAROC	B738	CNROS	RAM 509	GMMN	FKYS	BOVDA	OBUDU	350	99.557	314.6
05/01/2023	ROYAL AIR MAROC	B738	CNROS	RAM 509	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6
05/01/2023	EMIRATES	B77W	A6ENT	UAE 9FE	OMDB	DGAA	GATAG	POLTO	380	7.494	23.68
05/01/2023	EMIRATES	B77W	A6ECI	UAE 797	OMDB	GUCY	ETRIS	GANDA	340	46.032	145.46
05/01/2023	ETHIOPIAN AIRLINES	B788	ETATG	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
05/01/2023	AIR HAMBURG	FA7X	DARIE	AHO 9369	FACT	LOWN	EBIMU	ENBUT	430	15.522	49.05
05/01/2023	ETHIOPIAN AIRLINES	B788	ETAOO	ETH 934	DIAP	HAAB	POLTO	GATAG	390/370	7.494	23.68
05/01/2023	ETHIOPIAN AIRLINES	B788	ETASH	ETH 517	DXXX	HAAB	POLTO	GATAG	370	7.494	23.68
05/01/2023	ETHIOPIAN AIRLINES	A359	ETAVC	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
05/01/2023	ETHIOPIAN AIRLINES	B788	ETAOV	ETH 513	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
05/01/2023	DASSAULT FALCON SERVICE	FA7X	FOZAZ	DSO05 AZ	LFPB	FCBB	ENBUT	EBIMU	430	15.522	49.05
05/01/2023	BRUSSELS AIRLINES	A333	OOSFX	BEL 379	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
05/01/2023	EMIRATES	B773	A6ENT	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
05/01/2023	AIR FRANCE	A332	FGZCC	AFR 901	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68

05/01/2023	AIR FRANCE	A359	FHTYJ	AFR 722	FZAA	LFPG	TAKUM	MIMBA	380	7.494	23.68
05/01/2023	ROYAL AIR MAROC	B738	CNRNP	RAM263	GMMN	FGSL	TENTU	ARDEX	350	137.56	434.69
05/01/2023	KENYAN AIRWAYS	B737	5YKYF	KQA511	DGAA	HKNA	POLTO	IKROP	350	30.509	96.408
05/01/2023	ROYAL AIR MAROC	B738	CNRNP	RAM262	FGSL	GMMN	ARDEX	TENTU	380	137.56	434.69
05/01/2023	AIR COTE D'IVOIRE	A320	TUTSV	VRE825	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
05/01/2023	ETHIOPIAN AIRLINES	B738	ETAOV	ETH508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
06/01/2023	BRUSSELS AIRLINES	A333	OOSFC	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
06/01/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 285	GMMN	FKKD	BOVDA	OBUDU	350	99.557	314.6
06/01/2023	EMIRATE	B77W	A6EXC	UAE 795	OMDB	GUCY	ETRIS	GANDA	320	46.032	145.46
06/01/2023	EMIRATE	B77W	A6ENG	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
06/01/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 284	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6
06/01/2023	ETHIOPIAN AIRLINE	B788	ETAOT	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
06/01/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
06/01/2023	ETHIOPIAN AIRLINE	B788	ETAQQ	ETH 916	FCBB	HAAB	POLTO	GATAG	350	7.494	23.68
06/01/2023	ETHIOPIAN AIRLINE	A359	ETAYM	ETH 920	DGAA	HAAB	POLTO	GATAG	370/390	7.494	23.68
06/01/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH 509	DXXX	HAAB	POLTO	GATAG	370/390	7.494	23.68
06/01/2023	EMIRATE	B77W	A6ENG	UAE 788	DGAA	OMDB	POLTO	KELAK	330/350	153.08	483.74
06/01/2023	QATAR AIRWAYS	B788	A7BCN	QTR 1424	DGAA	OTHH	POLTO	GATAG	390	7.494	23.68
06/01/2023	BRUSSELS AIRLINES	A333	OOSFF	BEL 369	FKYS	EBBR	TAKUM	MIMBA	380	7.494	23.68
06/01/2023	BRUSSELS AIRLINES	A333	OOSFC	BEL 358	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
06/01/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH3955	HAAB	DXXX	IKROP	POLTO	360	30.509	96.408

06/01/2023	ETHIOPIAN AIRLINE	B735	ETAVX	ETH3912	DXXX	HUEN	POLTO	IKROP	410	30.509	96.408
06/01/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE825	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
06/01/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
06/01/2023	ETHIOPIAN AIRLINE	B738	ETAQQ	ETH917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
06/01/2023	RWANDAIR	B738	9XRWR	RWD216	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
06/01/2023	RWANDAIR	B738	9XRWR	RWD217	DBBB	FOOL	KIPSA	BIPIV	390	30.509	96.408
07/01/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 265	GMMN	FZAA	BOVDA	OBUDU	370	99.557	314.6
07/01/2023	ROYAL AIR MAROC	B738	CNRGV	RAM 507C	GMMN	FKKD	BOVDA	OBUDU	350/370	99.557	314.6
07/01/2023	ROYAL AIR MAROC	B38M	CNMAX	RAM 29I	GMMN	FNLU	BOVDA	OBUDU	370	99.557	314.6
07/01/2023	MEA	A332	ODMEB	MEA 575	OLBA	DGAA	KELAK	POLTO	360	153.08	483.74
07/01/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 264	FZAA	GMMN	OBUDU	BOVDA	360/380	99.557	314.6
07/01/2023	ROYAL AIR MAROC	B738	CNRGV	RAM 507	FKYS	GMMN	OBUDU	BOVDA	340	99.557	314.6
07/01/2023	EMIRATE	B77W	A6EPH	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
07/01/2023	EGYPT AIR	B738	5UGEI	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
07/01/2023	SWISS AIRLINES	GLEX	HBJLC	SWW 01	OLBA	DIAP	KELAK	POLTO	430	153.08	483.74
07/01/2023	ETHIOPIAN AIRLINE	B788	ETAOT	ETH 908	GABS	HAAB	GANDA	ETRIS	370	46.032	145.46
07/01/2023	ETHIOPIAN AIRLINE	B788	ETATH	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
07/01/2023	ETHIOPIAN AIRLINE	A359	ETAWN	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
07/01/2023	MIDDLE EAST AIRLINE	A332	ODMEB	MEA 576	DGAA	OLBA	POLTO	KELAK	370/390	153.08	483.74
07/01/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
07/01/2023	EGYPT AIR	B738	5UGEI	MSR 882	DGAA	HECA	POLTO	GATAG	350	7.494	23.68

07/01/2023	ETHIOPIAN AIRLINE	B788	ETATI	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
07/01/2023	EMIRATE	B77W	A6EPH	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
07/01/2023	QATAR AIRWAYS	B788	A7BDD	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
07/01/2023	BRUSSELS AIRLINES	A333	OOSFX	BEL 379	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
07/01/2023	AIR FRANCE	A332	FGZCE	AFR 775	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
07/01/2023	BRUSSELS AIRLINES	A333	OOSFC	BEL 358	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
07/01/2023	ROYAL AIR MAROC	B738	CNGRK	RAM267	GMMN	FOOL	TENTU	BIPIV	370	0	0
07/01/2023	SAOTOME AIR	B763	CSTSU	STP507	LPPT	FPST	TENTU	LIREX	350	153.08	483.74
07/01/2023	MEA	A332	ODMEB	MEA575	OLBA	DGAA	KELAK	POLTO	360	153.08	483.74
07/01/2023	ASKY	B737	ETAVP	SKK065	FOOL	DXXX	BIPIV	KIPSA	400	30.509	96.408
07/01/2023	SAOTOME AIR	B763	CSTSU	STP508	FPST	LPPT	LIREX	TENTU	340	153.08	483.74
07/01/2023	ETHIOPIAN AIRLINE	B788	ETASI	ETH516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
07/01/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH512	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
07/01/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
07/01/2023	EMIRATE	B77W	A6EGI	UAE797	OMDB	GUCY	ETRIS	GANDA	360	46.032	145.46
07/01/2023	ETHIOPIAN AIRLINE	B788	ETASJ	ETH916	DBBB	HAAB	POLTO	IKROP	350	30.509	96.408
08/01/2023	ROYAL AIR MAROC	B738	CNRNP	RAM 285	GMMN	FKKD	BOVDA	OBUDU	350	99.557	314.6
08/01/2023	QATAR AIRWAYS	B788	A7BCV	QTR 1423	OTHH	DGAA	GATAG	POLTO	400	7.494	23.68
08/01/2023	BEST FLY	F900	P4BFU	BFY 429R	FCBB	LEPA	TAKUM	MIMBA	360/380	7.494	23.68
08/01/2023	EMIRATE	B77W	A6EBW	UAE 795	OMDB	GUCY	ETRIS	GANDA	340	46.032	145.46
08/01/2023	EMIRATE	B77W	A6EGX	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68

08/01/2023	ROYAL AIR MAROC	B738	CNRNP	RAM284	FKKD	GMMN	OBUDU	BOVDA	340/360	99.557	314.6
08/01/2023	BAIRLINE	GLF5	DELUB	BRJ758	EDDM	FYWH	ENBUT	EBIMU	450	15.522	49.05
08/01/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 909	HAAB	GABS	ETRIS	GANDA	380/400	46.032	145.46
08/01/2023	GOVERNMENT OF DRC	GLST	9HYAA	CONGO 02	FCPP	LFPB	EBIMU	ENBUT	440	15.522	49.05
08/01/2023	ETHIOPIAN AIRLINE	A359	ETAUC	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
08/01/2023	ETHIOPIAN AIRLINE	B788	ETASI	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
08/01/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH 513	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
08/01/2023	KLM	B77W	PHBVG	KLM 119	EHAM	FACT	ENBUT	EBIMU	310	15.522	49.05
08/01/2023	EMIRATE	B773	A6EGO	UAE 788	DGAA	OMDB	POLTO	KELAK	330/350	153.08	483.74
08/01/2023	QATAR AIRWAYS	B788	A7BCV	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
08/01/2023	BRUSSELS AIRLINES	A333	OOSFD	BEL 383	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
08/01/2023	AIR FRANCE	A359	FHTYO	AFR 770	FZAA	LFPG	TAKUM	MIMBA	380	7.494	23.68
08/01/2023	ROYAL AIR MAROC	B738	CNMAY	RAM263	GMMN	FGSL	TENTU	ARDEX	370	137.56	434.69
08/01/2023	QATAR AIRWAYS	B77W	A7BAQ	QTR780	SBGR	OTHH	POLTO	GATAG	350	7.494	23.68
08/01/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH508	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
08/01/2023	AIR COTE D'IVOIRE	A320	TUTSX	VRE825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
09/01/2023	ROYAL AIR MAROC	B738	CNRGM	RAM 297	GMMN	FCBB	BOVDA	OBUDU	370	99.557	314.6
09/01/2023	ROYAL AIR MAROC	B38M	CNMAY	RAM 291	GMMN	FNLU	BOVDA	OBUDU	370/350	99.557	314.6
09/01/2023	BRUSSELS AIRLINES	A333	OOSFC	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	360	15.522	49.05
09/01/2023	EDELWEISS AIR	A343	HBJMG	EDW 84	LSZH	FACT	ENBUT	EBIMU	330/350	15.522	49.05
09/01/2023	ETHIOPIAN AIRLINE	B738	ETAWC	ETH 3922	GABS	HAAB	GANDA	ETRIS	390/410	46.032	145.46

09/01/2023	EMIRATE	B77W	A6EBK	UAE9FE	OMDB	DGAA	GATAG	POLTO	320	7.494	23.68
09/01/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 509	FKKD	GMM N	OBUDU	BOVDA	340	99.557	314.6
09/01/2023	EGYPT AIR	B789	SUGES	MSR 881	HECA	DGAA	GATAG	POLTO	380	7.494	23.68
09/01/2023	ETHIOPIAN AIRLINE	B788	ETATH	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
09/01/2023	ETHIOPIAN AIRLINE	B38M	ETANJ	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
09/01/2023	ETHIOPIAN AIRLINE	A359	ETAWN	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
09/01/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
09/01/2023	EGYPT AIR	B789	SUGES	MSR 882	DGAA	HECA	POLTO	KELAK	370	153.08	483.74
09/01/2023	AIR FRANCE	A332	FGZCE	AFR 900	LFPG	FKYS	MIMBA	TAKUM	370	7.494	23.68
09/01/2023	EMIRATE	B773	A6EBK	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
09/01/2023	SAPSAN AIRLINE	IL76	EX76007	KGB 4968	HDAM	DIAP	GATAG	POLTO	320	7.494	23.68
09/01/2023	BEST FLY	F900	P4BFV	BFY 430R	GMME	FCBB	BOVDA	OBUDU	370	99.557	314.6
09/01/2023	BRUSSELS AIRLINES	A333	OOSFF	BEL 369	FKYS	EBBR	TAKUM	MIMBA	320/340	7.494	23.68
09/01/2023	AIR FRANCE	A332	FGZCF	AFR 901	FKYS	LFPG	TAKUM	MIMBA	360/380	7.494	23.68
09/01/2023	AIR FRANCE	A359	FHTYI	AFR 756	FZAA	LFPG	TAKUM	MIMBA	340/360	7.494	23.68
09/01/2023	ROYAL AIR MAROC	B738	CNROZ	RAM267	GMMN	FOOL	TENTU	BIPIV	350	0	0
09/01/2023	ROYAL AIR MAROC	B738	CNROZ	RAM266	FOOL	GMM N	BIPIV	TENTU	380	0	0
09/01/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH521	HAAB	DGAA	IKROP	POLTO	400	30.509	96.408
09/01/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH516	HAAB	DXXX	IKROP	POLTO	360	30.509	96.408
09/01/2023	ETHIOPIAN AIRLINE	B738	ETAWJ	ETH917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
09/01/2023	KENYAN AIRWAYS	B738	5YKTD	KQA515	DXXX	HKJK	POLTO	IKROP	390	30.509	96.408

09/01/2023	RWANDAIR	B738	9XRWR	RWD216	FOOL	DBBB	BIPIV	KIPSA	240	30.509	96.408
09/01/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
09/01/2023	CEIBALINE	AT72	3CLLM	CEL446	FOOL	DXXX	BIPIV	KIPSA	180	30.509	96.408
09/01/2023	ASKY	B737	ETAHH	SKK064	DXXX	FOOL	KIPSA	BIPIV	370	30.509	96.408
09/01/2023	RWANDAIR	B737	9XRWK	RWD217	DBBB	FOOL	KIPSA	BIPIV	250	30.509	96.408
10/01/2023	BRITISH AIRWAYS	A338	GXLEJ	BAW 54	FAOR	EGLL	TAKUM	MIMBA	340/360	7.494	23.68
10/01/2023	BRUSSELS AIRLINES	A333	OOSFX	BEL 358	FZAA	EBBR	EBIMU	ENBUT	360	15.522	49.05
10/01/2023	ROYAL AIR MAROC	B738	CNRNP	RAM 265	GMMN	FZAA	BOVDA	OBUDU	370	99.557	314.6
10/01/2023	AERO VICS	GLF6	XABAL	XABAL	LSGG	FYWH	ENBUT	EBIMU	450	15.522	49.05
10/01/2023	KLM	B772	PHBQP	KLM 592	FAOR	EHAM	TAKUM	MIMBA	340/360	7.494	23.68
10/01/2023	QATAR EXECUTIVE	GLF6	A7CGN	QQE 890	FALA	LEMD	TAKUM	MIMBA	430	7.494	23.68
10/01/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3921	HAAB	DFFD	ETRIS	GANDA	360	46.032	145.46
10/01/2023	AIR X CHARTER	E190	9HFAB	AXY 236A	FEFF	DFFD	GADUV	GANDA	380	61.019	192.82
10/01/2023	EMIRATE	B77W	A6ECO	UAE 797	OMDB	GUCY	ETRIS	GANDA	320	46.032	145.46
10/01/2023	ETHIOPIAN AIRLINE	B738	ETARE	ETH 909	HAAB	GABS	ETRIS	GANDA	380/400	46.032	145.46
10/01/2023	ETHIOPIAN AIRLINE	B788	ETATH	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
10/01/2023	LUXAVIATION MALTA	GL57	GHYAA	LXM 301	LFPB	FCBB	ENBUT	EBIMU	450	15.522	49.05
10/01/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 517	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
10/01/2023	QATAR AIRWAYS	B773	A7BAK	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
10/01/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 513	DXXX	HAAB	POLTO	GATAG	370	7.494	23.68
10/01/2023	ETHIOPIAN AIRLINE	A359	ETAYB	ETH 920	DGAA	HAAB	POLTO	GATAG	370	7.494	23.68

10/01/2023	EMIRATE	B773	A6EGQ	UAE 788	DGAA	OMDB	POLTO	KELAK	330/350	153.08	483.74
10/01/2023	BRUSSELS AIRLINES	A333	OOSFG	BEL 379	FKYS	EBBR	TAKUM	MIMBA	340/360	7.494	23.68
10/01/2023	AIR FRANCE	A332	FGZCB	AFR 775	FKYS	LFPG	TAKUM	MIMBA	360/380	7.494	23.68
10/01/2023	BRUSSELS AIRLINES	A333	OOSFC	BEL 359R	FZAA	EBBR	TAKUM	MIMBA	360/380	7.494	23.68
10/01/2023	ALLIED AIR	B737	5NJRT	AJK133	FOOL	DXXX	BIPIV	KIPSA	280	30.509	96.408
10/01/2023	AIR COTE D'IVOIRE	A319	TUTSZ	VRE821	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
10/01/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH508	HAAB	DXXX	IKROP	POLTO	360	30.509	96.408
10/01/2023	EMIRATE	B77W	A6EGO	UAE9FE	OMDB	DGAA	IKROP	POLTO	360	30.509	96.408
10/01/2023	EMIRATE	A388	A6EVG	UAE262	SBGR	OMDB	POLTO	KELAK	390	153.08	483.74
11/01/2023	QATAR AIRWAYS	B788	A7BCA	QTR 1423	OTHH	DGAA	GATAG	POLTO	380	7.494	23.68
11/01/2023	ETHIOPIAN AIRLINES	B738	ETAYX	ETH 3916	DIAP	HAAB	POLTO	GATAG	370/390	7.494	23.68
11/01/2023	FRENCH MILITARY	C30J	FRAPP	CTM 1461	FTTJ	DBBB	KELAK	POLTO	220	153.08	483.74
11/01/2023	EGYPT AIR	B738	5UGEN	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
11/01/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
11/01/2023	EMIRATE	A388	A6EUK	UAE 262	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74
11/01/2023	ETHIOPIAN AIRLINE	B788	ETARE	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
11/01/2023	ETHIOPIAN AIRLINE	B38M	ETAZO	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
11/01/2023	ETHIOPIAN AIRLINE	A359	ETAZI	ETH 920	DGAA	HAAB	POLTO	GATAG	370	7.494	23.68
11/01/2023	MIDDLE EAST AIRLINE	A332	ODMEB	MEA 576	DGAA	OLBA	POLTO	KELAK	390/370	153.08	483.74
11/01/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
11/01/2023	EGYPT AIR	B738	5UGEN	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74

11/01/2023	EMIRATE	B77W	A6EPO	UAE 788	DGAA	OMDB	POLTO	KELAK	330	153.08	483.74
11/01/2023	QATAR AIRWAYS	B788	A7BCA	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
11/01/2023	BRUSSELS AIRLINES	A333	OOSFX	BEL 369	FKYS	EBBR	TAKUM	MIMBA	340	7.494	23.68
11/01/2023	AIR FRANCE	A359	FHTYH	AFR 756	FZAA	LFPG	TAKUM	MIMBA	380	7.494	23.68
11/01/2023	ETHIOPIAN AIRLINE	B738	ETAOT	ETH512	HAAB	DXXX	IKROP	POLTO	220	30.509	96.408
11/01/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH516	HAAB	DGAA	IKROP	POLTO	260	30.509	96.408
11/01/2023	EMIRATE	B77W	A6EPO	UAE9FE	OMDB	DGAA	IKROP	POLTO	340	30.509	96.408
11/01/2023	ETHIOPIAN AIRLINE	B788	ETAZA	ETH917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
11/01/2023	ETHIOPIAN AIRLINE	B788	ETATK	ETH934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
12/01/2023	ROYAL AIR MAROC	B738	CNRGJ	RAM 297	GMMN	FOOL	BOVDA	OBUDU	350	99.557	314.6
12/01/2023	ROYAL AIR MAROC	B38M	CNMAX	RAM 291	GMMN	FNLU	BOVDA	OBUDU	370/390	99.557	314.6
12/01/2023	ROYAL AIR MAROC	B738	ENRGH	RAM 267	GMMN	FOOL	BOVDA	OBUDU	370/350	99.557	314.6
12/01/2023	QATAR AIRWAYS	B77W	A7BEE	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
12/01/2023	EMIRATE	B77W	A6EGB	UAE 797	OMDB	GUCY	ETRIS	GANDA	340	46.032	145.46
12/01/2023	EMIRATE	B77W	A6EPD	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
12/01/2023	EMIRATE	A380	A6EPD	UAE 262	SBGR	OMDB	POLTO	KELAK	370/390	153.08	483.74
12/01/2023	ETHIOPIAN AIRLINE	B788	ETAOQ	ETH 934	DIAP	HAAB	POLTO	GATAG	350	7.494	23.68
12/01/2023	DASSAULT FALCON SERVICE	FA7X	FOZAZ	DSO 05AZ	FCBB	LFLB	TAKUM	MIMBA	360	7.494	23.68
12/01/2023	ETHIOPIAN AIRLINE	A359	ETAVE	ETH 920	DGAA	HAAB	POLTO	GATAG	350	7.494	23.68
12/01/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH 517	DXXX	HAAB	POLTO	GATAG	370/390	7.494	23.68
12/01/2023	QATAR AIRWAYS	B77W	A7BAM	QTR 774	SBGR	OTHH	POLTO	KELAK	330/350	153.08	483.74

12/01/2023	ETHIOPIAN AIRLINE	B788	ETAOT	ETH 513	DXXX	HAAB	POLTO	GATAG	370	7.494	23.68
12/01/2023	KLM	B772	PHBQP	KLM 119	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
12/01/2023	AIR FRANCE	A332	FGZCO	AFR 900	LFPG	FKYS	ENBUT	EBIMU	370	15.522	49.05
12/01/2023	EMIRATE	B77W	A6EPD	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
12/01/2023	AIR FRANCE	A332	FGZCO	AFR 901	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
12/01/2023	ROYAL AIR MAROC	B738	CNROS	RAM262	FGSL	GMMN	ARDEX	OPALA	360	84.034	265.55
12/01/2023	ROYAL AIR MAROC	B738	CNRGH	RAM266	FOOL	GMMN	BIPIV	TENTU	360	0	0
12/01/2023	AIR COTE D'IVOIRE	A319	TUTSZ	VRE825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
12/01/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
12/01/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
12/01/2023	CEIBALINE	B772	3CLLM	CEL358	DXXX	FOOL	KIPSA	BIPIV	190	30.509	96.408
12/01/2023	ASKY	B737	ETAVP	SKK070	DXXX	FZAA	KIPSA	BIPIV	390	30.509	96.408
12/01/2023	BELGIAN AIRFORCE	GLEX	P4BEW	BFY440R	FNLU	LPCS	LIREX	TENTU	400	153.08	483.74
13/01/2023	AIR FRANCE	A359	FHTYF	AFR 722	FZAA	LFPG	TAKUM	MIMBA	380	7.494	23.68
13/01/2023	BRUSSELS AIRLINES	A333	OOSFF	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	360	15.522	49.05
13/01/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 285	GMMN	FKKD	BOVDA	OBUDU	370	99.557	314.6
13/01/2023	EMIRATE	B77W	A6ECA	UAE 795	OMDB	GUCY	GATAG	POLTO	320	7.494	23.68
13/01/2023	ETHIOPIAN AIRLINE	B735	ETAOP	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
13/01/2023	ALGERIAN PRESIDENCY	GLF4	7TVPC	7TVPC	FCBB	DAAK	EBIMU	ENBUT	400	15.522	49.05
13/01/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
13/01/2023	ETHIOPIAN AIRLINE	B738	ETAQN	ETH 916	DBBB	HAAB	POLTO	GATAG	350	7.494	23.68

13/01/2023	ETHIOPIAN AIRLINE	A359	ETAVD	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
13/01/2023	QATAR AIRWAYS	B77W	A7BEL	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
13/01/2023	KLM	B77W	PHBVA	KLM 119	EHAM	FACT	ENBUT	EBIMU	310	15.522	49.05
13/01/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
13/01/2023	EMIRATE	B77W	A6EPI	UAE 788	DGAA	OMDB	POLTO	KELAK	330	153.08	483.74
13/01/2023	QATAR AIRWAYS	B788	A7BCH	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
13/01/2023	VIRGIN ATLANTIC	B789	GVNEN	VIR 450	FAOR	EGLL	TAKUM	MIMBA	360/340	7.494	23.68
13/01/2023	BRUSSELS AIRLINES	A333	OOSFF	BEL 369	FKYS	EBBR	TAKUM	MIMBA	340/320	7.494	23.68
13/01/2023	BRUSSELS AIRLINES	A333	OOSFG	BEL 358	FZAA	EBBR	TAKUM	MIMBA	360	7.494	23.68
13/01/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
13/01/2023	EMIRATE	B77W	A6EPI	UAE 9FE	OMDW	DGAA	GATAG	POLTO	360	7.494	23.68
13/01/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH3955	HAAB	DXXX	IKROP	POLTO	360	30.509	96.408
13/01/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH3912	DXXX	HUEN	POLTO	IKROP	410	30.509	96.408
13/01/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH508	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
13/01/2023	ETHIOPIAN AIRLINE	B738	ETAQU	ETH517	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
13/01/2023	ETHIOPIAN AIRLINE	B733	ETASI	ETH507	SBGR	HAAB	EDUKO	ARDEX	410	145.05	458.37
13/01/2023	RWANDAIR	B735	9XRNQ	RWD217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
13/01/2023	SHANGAI DEER JET	A319	P41FD	P41FD	FNLU	DBBB	BIPIV	KIPSA	360	30.509	96.408
14/01/2023	ROYAL AIR MAROC	B738	CNROS	RAM 265	GMMN	FZAA	BOVDA	OBUDU	390	99.557	314.6
14/01/2023	ROYAL AIR MAROC	B38M	CNMAX	RAM 291	GMMN	FNLU	BOVDA	OBUDU	350	99.557	314.6
14/01/2023	ROYAL AIR MAROC	B738	CNROK	RAM 507C	GMMN	FKKD	BOVDA	OBUDU	390	99.557	314.6

14/01/2023	EMIRATE	A388	A6EUH	UAE 262	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74
14/01/2023	GOVERNMENT OF CODE'VOIR E	GIV	TUVAG	IVY 02	DIAP	OMAD	POLTO	KELAK	410	153.08	483.74
14/01/2023	EMIRATE	B77W	A6EBU	UAE 797	OMDB	GUCY	ETRIS	GANDA	340/360	46.032	145.46
14/01/2023	EMIRATE	B77W	A6EPL	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
14/01/2023	EGYPT AIR	A20N	5UGFY	MSR 881	HECA	DGAA	GATAG	POLTO	360/340	7.494	23.68
14/01/2023	ETHIOPIAN AIRLINE	B788	ETAUB	ETH 909	HAAB	GABS	ETRIS	GANDA	360/380	46.032	145.46
14/01/2023	AIR ALLIANCE	CL60	DAONE	UNI 151	DIAP	OEJN	POLTO	GATAG	350	7.494	23.68
14/01/2023	ETHIOPIAN AIRLINE	B787	ETATG	ETH 934	DIAP	HAAB	POLTO	GATAG	370	7.494	23.68
14/01/2023	SHANGAI DEER JET	A319	P41FD	P41FD	DBBB	HECA	POLTO	KELAK	350	153.08	483.74
14/01/2023	QATAR AIRWAYS	A359	A7BAC	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
14/01/2023	ETHIOPIAN AIRLINE	B38M	ETAZA	ETH 916	DBBB	HAAB	POLTO	GATAG	330/310	7.494	23.68
14/01/2023	EMIRATE	B77L	A6EWF	UAE 248	SBGL	OMDB	POLTO	KELAK	350	153.08	483.74
14/01/2023	ETHIOPIAN AIRLINE	A359	ETAYA	ETH 920	DGAA	HAAB	POLTO	GATAG	370	7.494	23.68
14/01/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
14/01/2023	KLM	B772	PHBQM	KLM 119	EHAM	FACT	ENBUT	EBIMU	350	15.522	49.05
14/01/2023	EGYPT AIR	A320	5UGFJ	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
14/01/2023	EMIRATE	B77W	A6EPL	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
14/01/2023	QATAR AIRWAYS	B788	A7BCU	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
14/01/2023	BRUSSELS AIRLINES	A333	OOSFX	BEL 379	FKYS	EBBR	TAKUM	MIMBA	380	7.494	23.68
14/01/2023	AIR FRANCE	A332	FGZCM	AFR 775	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
14/01/2023	KLM	B789	PHBHF	KLM 595	EHAM	FACT	ENBUT	EBIMU	350/370	15.522	49.05

14/01/2023	AIR FRANCE	A359	FHTYH	AFR 722	FZAA	LFPG	TAKUM	MIMBA	360/380	7.494	23.68
14/01/2023	ROYAL AIR MAROC	B738	CNRGT	RAM 267	GMMN	FOOL	TENTU	BIPIV	390	0	0
14/01/2023	SAOTOME AIRWAYS	B763	CSTSU	STP 507	LPPT	FPST	TENTU	LIREX	350	153.08	483.74
14/01/2023	ROYAL AIR MAROC	B738	CNRGT	RAM 266	FOOL	GMMN	BIPIV	TENTU	360	0	0
14/01/2023	QATAR AIRWAYS	B773	A7BEU	QTR780	SBGR	OTHH	POLTO	GATAG	350	7.494	23.68
14/01/2023	MIDDLE EAST AIRLINE	A332	ODMEB	MEA 575	OLBA	DGAA	KELAK	POLTO	360	153.08	483.74
14/01/2023	SAOTOME AIRWAYS	B763	CSTCU	STP 508	FPST	LPPT	LIREX	TENTU	340	153.08	483.74
14/01/2023	MIDDLE EAST AIRLINE	A332	ODMEB	MEA 576	DGAA	OLBA	POLTO	KELAK	370	153.08	483.74
14/01/2023	ETHIOPIAN AIRLINE	B788	ETAOR	ETH516	HAAB	DXXX	IKROP	POLTO	340	30.509	96.408
14/01/2023	ETHIOPIAN AIRLINE	B788	ETATJ	ETH512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
14/01/2023	ETHIOPIAN AIRLINE	B735	ETAZA	ETH917	HAAB	DGAA	IKROP	POLTO	340	30.509	96.408
14/01/2023	KENYAN AIRWAYS	B738	5YCYC	KQA509	DGAA	HKNA	POLTO	IKROP	350	30.509	96.408
15/01/2023	BRITISH AIRWAYS	A35K	GXWBE	BAW 43	EGLL	FACT	ENBUT	EBIMU	370	15.522	49.05
15/01/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH 3921	HAAB	DFFD	ETRIS	GANDA	360	46.032	145.46
15/01/2023	ROYAL AIR MAROC	B738	CNRGI	RAM 285	GMMN	FKKD	BOVDA	OBUDU	350	99.557	314.6
15/01/2023	BRITISH AIRWAYS	B772	GYMMJ	BAW 59	EGLL	FACT	ENBUT	EBIMU	350	15.522	49.05
15/01/2023	QATAR AIRWAYS	B77W	A7BEJ	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
15/01/2023	FRENCH AIRFORCE	C130	FRAPI	CTM 3351	FTTJ	DBBB	KELAK	POLTO	180	153.08	483.74
15/01/2023	EMIRATE	B77W	A6EPS	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
15/01/2023	ROYAL JET	GL7T	T7CHS	T7CHS	FSIA	GCXO	GADUV	BOVDA	400/430	76.541	241.57
15/01/2023	EMIRATE	B77W	A6ECM	UAE 795	OMDB	GUCY	ETRIS	GANDA	340	46.032	145.46

15/01/2023	ETHIOPIAN AIRLINE	B77L	ETANN	ETH 909	HAAB	GABS	ETRIS	GANDA	320	46.032	145.46
15/01/2023	EMIRATE	A388	A6EVC	UAE 262	SBGR	OMDB	POLTO	KELAK	390	153.08	483.74
15/01/2023	ETHIOPIAN AIRLINE	B789	ETAUO	ETH 908	GABS	HAAB	GANDA	ETRIS	370	46.032	145.46
15/01/2023	ETHIOPIAN AIRLINE	A359	ETAYN	ETH 920	DGAA	HAAB	POLTO	GATAG	350	7.494	23.68
15/01/2023	GOVERNMENT OF D.R CONGO	B737	A7RJV	DRC 001	FZAA	LSZH	TAKUM	MIMBA	340	7.494	23.68
15/01/2023	VISTA JET MALTA	CL60	9HVFF	VJT 551	FKYS	GCLP	TAKUM	MIMBA	360	7.494	23.68
15/01/2023	KLM	B77W	PHBVW	KLM 119	EHAM	FACT	ENBUT	EBIMU	310	15.522	49.05
15/01/2023	ETHIOPIAN AIRLINE	B788	ETAOR	ETH 517	DXXX	HAAB	POLTO	GATAG	390/410	7.494	23.68
15/01/2023	AXY AIR CHARTER LTD	E190	9HFAY	AXY 888P	HECA	DXXX	GATAG	POLTO	360/380	7.494	23.68
15/01/2023	ETHIOPIAN AIRLINE	B788	ETATJ	ETH 513	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
15/01/2023	AIR FRANCE	A332	FGZCO	AFR 900	LFPG	FKYS	MIMBA	TAKUM	370	7.494	23.68
15/01/2023	QATAR AIRWAYS	B788	A7BCM	QTR 1424	DGAA	OTHH	POLTO	GATAG	390	7.494	23.68
15/01/2023	AIR FRANCE	A332	FGZCF	AFR 901	FKYS	LFPG	TAKUM	MIMBA	340/360	7.494	23.68
15/01/2023	EMIRATE	B77W	A6EPS	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
15/01/2023	AIR FRANCE	A359	FHTYT	AFR 770	FZAA	LFPG	TAKUM	MIMBA	380	7.494	23.68
15/01/2023	BRUSSELS AIRLINES	A333	OOSFC	BEL 383	FKYS	EBBR	TAKUM	MIMBA	340/360	7.494	23.68
15/01/2023	ROYAL AIR MAROC	B738	CNRNU	RAM262	FGSL	GMMN	ARDEX	OPALA	360	84.034	265.55
15/01/2023	AIR COTE D'IVOIRE	A320	TUTSX	VRE825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
15/01/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
16/01/2023	BRITISH AIRWAYS	A35K	GXWBH	BAW 43	EGLL	FACT	ENBUT	EBIMU	370	15.522	49.05
16/01/2023	BRUSSELS AIRLINES	A333	OOOSFE	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	360	15.522	49.05

16/01/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 509	GMMN	FKYS	BOVDA	OBUDU	370	99.557	314.6
16/01/2023	ROYAL AIR MAROC	B38M	CNMAX	RAM 291	GMMN	FOOL	BOVDA	OBUDU	370	99.557	314.6
16/01/2023	ROYAL AIR MAROC	B738	CNRGN	RAM 297	GMMN	FOOL	BOVDA	OBUDU	390	99.557	314.6
16/01/2023	ROYAL AIR MAROC	B738	CNRNU	RAM 267	GMMN	FOOL	BOVDA	OBUDU	370	99.557	314.6
16/01/2023	TURKISH AIRLINES	B38M	TCLCR	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
16/01/2023	QATAR AIRWAYS	B77W	A7BAG	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
16/01/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 509	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6
16/01/2023	EGYPT AIR	A20N	5UGFTJ	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
16/01/2023	EMIRATE	B77W	A6EPD	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
16/01/2023	ETHIOPIAN AIRLINE	B788	ETARE	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
16/01/2023	EMIRATE	B772	A6EWA	UAE 248	SBGL	OMDB	POLTO	GATAG	350	7.494	23.68
16/01/2023	ETHIOPIAN AIRLINE	A359	ETAYB	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
16/01/2023	ETHIOPIAN AIRLINE	B737	ETARD	ETH 916	DBBB	HAAB	POLTO	GATAG	370/330	7.494	23.68
16/01/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
16/01/2023	EGYPT AIR	A20N	5UGFJ	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
16/01/2023	AIR FRANCE	A332	FGZCD	AFR 900	LFPG	FKYS	MIMBA	TAKUM	370/390	7.494	23.68
16/01/2023	EMIRATE	B77W	A6EPD	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
16/01/2023	TURKISH AIRLINES	B38M	TCLCR	THY 91J	LTFM	FKYS	MIMBA	TAKUM	370	7.494	23.68
16/01/2023	BRUSSELS AIRLINES	A333	OOSFG	BEL 358	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
16/01/2023	BRUSSELS AIRLINES	A333	OOSFB	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
16/01/2023	AIR FRANCE	A332	FGSCD	AFR 901	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68

16/01/2023	RWANDAIR	B738	9XRWR	RWD216	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
16/01/2023	ETHIOPIAN AIRLINE	B738	ETARD	ETH917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
16/01/2023	ETHIOPIAN AIRLINE	B738	ETAOS	ETH512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
16/01/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
16/01/2023	CEIBALINE	AT72	3CLLM	CEL446	FOOL	DXXX	BIPIV	KIPSA	180	30.509	96.408
17/01/2023	ROYAL AIR MAROC	B738	CNRGI	RAM 265	GMME	FZAA	BOVDA	OBUDU	370	99.557	314.6
17/01/2023	ROYAL AIR MAROC	B738	CNRGI	RAM 264	FZAA	GMMN	OBUDU	BOVDA	360	99.557	314.6
17/01/2023	EMIRATE	B77W	A6EPF	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340/300	7.494	23.68
17/01/2023	AIR ATLANTA ICELANDIC	B744	TFAMP	ABD 329	EDDM	FAUP	ENBUT	EBIMU	350	15.522	49.05
17/01/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
17/01/2023	ETHIOPIAN AIRLINE	B788	ETARE	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
17/01/2023	ETHIOPIAN AIRLINE	A359	ETAVD	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
17/01/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH 517	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
17/01/2023	ETHIOPIAN AIRLINE	B788	ETAOS	ETH 513	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
17/01/2023	AIR FRANCE	A359	FHTYM	AFR 722	LFPG	FZAA	ENBUT	EBIMU	390	15.522	49.05
17/01/2023	ETHIOPIAN AIRLINE	B738	ETAQO	ETH 8842	FZAA	DABB	TAKUM	MIMBA	360	7.494	23.68
17/01/2023	EMIRATE	B77W	A6EPF	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
17/01/2023	BRUSSELS AIRLINES	A333	OOSFE	BEL 379	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
17/01/2023	AIR FRANCE	A332	FGZCM	AFR 775	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
17/01/2023	ALLIED AIR	B737	5NTON	AJK133	FOOL	DXXX	BIPIV	KIPSA	400	30.509	96.408
17/01/2023	ETHIOPIAN AIRLINE	B788	ETAOR	ETH508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408

17/01/2023	ETHIOPIAN AIRLINE	B738	ETAWC	ETH3955	HAAB	DXXX	IKROP	POLTO	360	30.509	96.408
17/01/2023	ETHIOPIAN AIRLINE	B738	ETAWC	ETH3954	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
18/01/2023	ETHIOPIAN AIRLINE	B38M	ETAWC	ETH 3954	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
18/01/2023	TURKISH AIRLINES	B38M	TCLCL	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
18/01/2023	MIDDLE EAST AIRLINE	A332	ODMEC	MEA 575	OLBA	DGAA	KELAK	POLTO	380	153.08	483.74
18/01/2023	ETHIOPIAN AIRLINE	B73F	ETAVX	ETH 3916	DIAP	HAAB	POLTO	GATAG	410	7.494	23.68
18/01/2023	ETHIOPIAN AIRLINE	B788	ETAOR	ETH 509	DXXX	HAAB	POLTO	GATAG	370	7.494	23.68
18/01/2023	UNITED NATION	B77W	A6EGU	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
18/01/2023	EGYPT AIR	A20N	5UGFN	MSR 881	HECA	DGAA	GATAG	POLTO	380	7.494	23.68
18/01/2023	ETHIOPIAN AIRLINE	B77L	ETAQL	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
18/01/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 908	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
18/01/2023	QATAR AIRWAYS	B77W	A7BEG	QTR 774	SBGR	OTHH	POLTO	GATAG	350	7.494	23.68
18/01/2023	ETHIOPIAN AIRLINE	B788	ETAZO	ETH 916	DBBB	HAAB	POLTO	GATAG	350	7.494	23.68
18/01/2023	ETHIOPIAN AIRLINE	B788	ETATI	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
18/01/2023	ETHIOPIAN AIRLINE	A359	ETAVC	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
18/01/2023	MIDDLE EAST AIRLINE	A332	ODMEC	MEA 576	DGAA	OLBA	POLTO	KELAK	390	153.08	483.74
18/01/2023	EGYPT AIR	A322	GUGFN	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
18/01/2023	GOVERNMENT OF CODE'VOIRE	GLF4	TUVAG	IVY 02	FTTJ	DIAP	KELAK	POLTO	400	153.08	483.74
18/01/2023	EMIRATE	B77W	A6EGU	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
18/01/2023	QATAR AIRWAYS	B788	A7BCX	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74

18/01/2023	BRUSSELS AIRLINES	A333	OOSFX	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
18/01/2023	VIRGIN ATLANTIC	B789	GVYUM	VIR 450	FAOR	EGLL	TAKUM	MIMBA	380	7.494	23.68
18/01/2023	LUFTHANS A	A359	DAIXF	DLH 574	EDDM	FACT	ENBUT	EBIMU	370	15.522	49.05
18/01/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE825	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
18/01/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
18/01/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
18/01/2023	ETHIOPIAN AIRLINE	B738	ETAZO	ETH917	HAAB	DBBB	IKROP	POLTO	360	30.509	96.408
18/01/2023	AIR ATLANTA (MAGMA)	B744	TFAMI	ZF322	DBBB	HKJK	POLTO	IKROP	410	30.509	96.408
18/01/2023	AIR X CHARTER	E190	9HFAY	AXY761 P	FEFF	DXXX	IKROP	POLTO	400	30.509	96.408
19/01/2023	BRITISH AIRWAYS	A35K	GXWBB	BAW 43	EGLL	FACT	ENBUT	EBIMU	370	15.522	49.05
19/01/2023	ROYAL AIR MAROC	B738M	CNMAX	RAM 291	GMMN	FNLU	BOVDA	OBUDU	370	99.557	314.6
19/01/2023	ROYAL AIR MAROC	B738	CNROH	RAM 509	FKKD	GMM N	OBUDU	BOVDA	340	99.557	314.6
19/01/2023	QATAR AIRWAYS	B77W	A7BEM	QTR 780	SBGR	OMDB	POLTO	KELAK	350	153.08	483.74
19/01/2023	ROYAL AIR MAROC	B38M	CNMAX	RAM 29C	FKKD	GMM N	OBUDU	BOVDA	380	99.557	314.6
19/01/2023	EMIRATE	B77W	A6EGD	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340/380	7.494	23.68
19/01/2023	ETHIOPIAN AIRLINE	B788	ETATG	ETH 909	HAAB	GABS	ETRIS	GANDA	380/400	46.032	145.46
19/01/2023	AIR PORTUGAL	A339	CSTUE	TAP 282	FQMA	LPPT	TAKUM	MIMBA	400/380	7.494	23.68
19/01/2023	ETHIOPIAN AIRLINE	B788	ETATJ	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
19/01/2023	EMIRATE	A388	A6EUK	UAE 262	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74
19/01/2023	ETHIOPIAN AIRLINE	B787	ETAOV	ETH 517	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
19/01/2023	ETHIOPIAN AIRLINE	B787	ETAOO	ETH 513	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68

19/01/2023	ETHIOPIAN AIRLINE	A359	ETAZI	ETH 920	DGAA	HAAB	POLTO	GATAG	370	7.494	23.68
19/01/2023	KLM	B772	PHBQO	KLM 119	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
19/01/2023	AIR FRANCE	A359	FHTYE	AFR 722	LFPG	FZAA	ENBUT	EBIMU	390	15.522	49.05
19/01/2023	AIR FRANCE	A332	FGZCD	AFR 900	LFPG	FKYS	ENBUT	EBIMU	370	15.522	49.05
19/01/2023	EMIRATE	B77W	A6EGD	UAE 788	DGAA	OMDB	POLTO	KELAK	330/350	153.08	483.74
19/01/2023	VIRGIN ATLANTIC	B789	GVOWS	VIR 450	FAOR	EGLL	TAKUM	MIMBA	380	7.494	23.68
19/01/2023	BRUSSELS AIRLINES	A333	OOSFX	BEL 379	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
19/01/2023	GLOBAL JET LUXEMBOURG	F900	LXSAB	SVW 56AB	EHAM	FKYS	MIMBA	TAKUM	410	7.494	23.68
19/01/2023	AIR FRANCE	A332	FGZCD	AFR 901	FKYS	LFPG	TAKUM	MIMBA	380/370	7.494	23.68
19/01/2023	EMIRATE	B77L	A6EFL	UAE 9329	OMDW	DGAA	GATAG	POLTO	340	7.494	23.68
19/01/2023	AIR FRANCE	A359	FHTYE	AFR 722	FCBB	LFPG	TAKUM	MIMBA	380	7.494	23.68
19/01/2023	ROYAL AIR MAROC	B738	CNROL	RAM297	GMMN	FGSL	TENTU	BIPIV	370	0	0
19/01/2023	ROYAL AIR MAROC	B738	CNRGN	RAM263	GMMN	FOOL	TENTU	ARDEX	370	137.56	434.69
19/01/2023	ROYAL AIR MAROC	B738	CNRGN	RAM262	FGSL	GMMN	ARDEX	OPALA	380	84.034	265.55
19/01/2023	AIR COTE D'IVOIRE	A320	TUTSV	VRE825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
19/01/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH508	HAAB	DXXX	IKROP	POLTO	300	30.509	96.408
19/01/2023	MOROCCAN FLEET	B747	CNRGA	FRV1214	GMMN	FOOL	KIPSA	BIPIV	310	30.509	96.408
19/01/2023	RICHARDS ON AVIATION	A5C	N111SJ	N111SJ	LPPT	FACT	TENTU	BIPIV	450	0	0
19/01/2023	CEIBALINE	B775	3CLLM	CEL358	DXXX	FOOL	KIPSA	BIPIV	170	30.509	96.408
19/01/2023	MOROCCAN FLEET	B748	CNMBH	FRV1218	GMME	FOOL	KIPSA	BIPIV	370	30.509	96.408

19/01/2023	KENYAN AIRWAYS	B738	5YCYA	KQA509	DGAA	HKJK	POLTO	IKROP	350	30.509	96.408
20/01/2023	ROYAL AIR MAROC	B738	CNRGV	RAM 285	GMMN	FKKD	BOVDA	OBUDU	330/350/310	99.557	314.6
20/01/2023	KLM	B772	PHBQG	KLM 592	FAOR	EHAM	TAKUM	MIMBA	340/360/380	7.494	23.68
20/01/2023	QATAR AIRWAYS	B788	A7BCP	QTR 1423	OTHH	DGAA	GATAG	POLTO	400	7.494	23.68
20/01/2023	EMIRATE	B77W	A6EGP	UAE 795	OMDB	GUCY	KELAK	POLTO	360	153.08	483.74
20/01/2023	EMIRATE	B77W	A6EGP	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
20/01/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
20/01/2023	EMIRATE	A388	A6EVH	UAE 262	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74
20/01/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
20/01/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH 916	DXXX	HAAB	POLTO	GATAG	350	7.494	23.68
20/01/2023	ETHIOPIAN AIRLINE	A359	ETATQ	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
20/01/2023	QATAR AIRWAYS	B777	A7BEE	QTR 774	SBGR	OTHH	POLTO	KELAK	310	153.08	483.74
20/01/2023	AIR FRANCE	A359	FHTYB	AFR 770	LFPG	FCBB	ENBUT	EBIMU	390	15.522	49.05
20/01/2023	KLM	B77W	PHBVN	KLM 119	EHAM	FACT	ENBUT	EBIMU	310/330	15.522	49.05
20/01/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH 509	DXXX	HAAB	POLTO	GATAG	330	7.494	23.68
20/01/2023	EMIRATE	B773	A6EGP	UAE 788	DGAA	OMDB	POLTO	KELAK	330	153.08	483.74
20/01/2023	QATAR AIRWAYS	B788	A7BCP	QTR 1424	DGAA	OTHH	POLTO	KELAK	370/390	153.08	483.74
20/01/2023	BRUSSELS AIRLINES	A333	OOSFC	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
20/01/2023	CONDOR	B763	DABUC	CFG 2291	FACT	EDDF	EBIMU	ENBUT	340	15.522	49.05
20/01/2023	VIRGIN ATLANTIC	B789	GVCRU	VIR 450	FAOR	EGLL	TAKUM	MIMBA	380	7.494	23.68
20/01/2023	AIR FRANCE	A359	FHTYB	AFR 770	FZAA	LFPG	EBIMU	ENBUT	380	15.522	49.05

20/01/2023	BRITISH AIRWAYS	A35K	GXWBC	BAW 43	EGLL	FACT	ENBUT	EBIMU	370	15.522	49.05
20/01/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH 3912	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
20/01/2023	QATAR AIRWAYS	B77W	A7BEA	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
20/01/2023	AIR COTE D'IVOIRE	A320	TUTSU	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
20/01/2023	ASKY	B737	ETANG	SKK 061	FOOL	DXXX	BIPIV	KIPSA	400	30.509	96.408
20/01/2023	THAL AIR	E35L	FHSTB	TLJ935 W	FOOL	GMM N	BIPIV	TENTU	340	0	0
20/01/2023	ETHIOPIAN AIRLINE	B737	ETASG	ETH 917	HAAB	DBBB	IKROP	POLTO	400	30.509	96.408
20/01/2023	RWANDAIR	B738	9XRWG	RWD21 6	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
20/01/2023	RWANDAIR	B738	9XRWG	RWD21 7	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
20/01/2023	ETHIOPIAN AIRLINE	B788	ETAYL	ETH391 1	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
20/01/2023	ETHIOPIAN AIRLINE	B789	ETARF	ETH508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
21/01/2023	ROYAL AIR MAROC	B738	CNRGV	RAM 265	GMMN	FZAA	BOVDA	OBUDU	370	99.557	314.6
21/01/2023	BRUSSELS AIRLINES	A333	OOSFX	BEL 358	FZAA	EBBR	EBIMU	ENBUT	360/380	15.522	49.05
21/01/2023	ROYAL AIR MAROC	B738	CNROK	RAM 507C	GMMN	FKKD	BOVDA	OBUDU	370	99.557	314.6
21/01/2023	ROYAL AIR MAROC	B38M	CNMAX	RAM 291	GMMN	FKKD	BOVDA	OBUDU	390	99.557	314.6
21/01/2023	ROYAL AIR MAROC	B738	CNRGN	RAM 267	GMMN	FOOL	BOVDA	OBUDU	350	99.557	314.6
21/01/2023	BRITISH AIRWAYS	B772	GMMF	BAW 2041	EGKK	FACT	ENBUT	EBIMU	330/350	15.522	49.05
21/01/2023	ETHIOPIAN AIRLINE	B788	ETAVX	ETH 3916	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
21/01/2023	TURKISH AIRLINES	B38M	TCLCF	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
21/01/2023	MIDDLE EAST AIRLINE	A332	ODMEC	MEA 575	OLBA	DGAA	KELAK	POLTO	360	153.08	483.74
21/01/2023	ROYAL AIR MAROC	B738	CNRGV	RAM 264	FZAA	GMM N	OBUDU	BOVDA	360/380	99.557	314.6

21/01/2023	EMIRATE	B77W	A6EPU	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
21/01/2023	EGYPT AIR	B738	SUGEN	MSR 881	HECA	DGAA	GATAG	POLTO	380	7.494	23.68
21/01/2023	ETHIOPIAN AIRLINE	B788	ETASI	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
21/01/2023	ETHIOPIAN AIRLINE	B738	ETAWC	ETH 3906	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
21/01/2023	ETHIOPIAN AIRLINE	A359	ETAVE	ETH 934	DIAP	HAAB	POLTO	GATAG	370	7.494	23.68
21/01/2023	ETHIOPIAN AIRLINE	B738	ETAZO	ETH 916	DBBB	HAAB	POLTO	GATAG	350	7.494	23.68
21/01/2023	ETHIOPIAN AIRLINE	A389	ETAZI	ETH 920	DGAA	HAAB	POLTO	GATAG	370	7.494	23.68
21/01/2023	MIDDLE EAST AIRLINE	A333	ODMEC	MEA 576	DGAA	OLBA	POLTO	KELAK	390	153.08	483.74
21/01/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
21/01/2023	AIR FRANCE	A359	FHTYN	AFR 722	LFPG	FZAA	ENBUT	EBIMU	390	15.522	49.05
21/01/2023	EGYPT AIR	B738	SUGEN	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
21/01/2023	EMIRATE	B773	A6EPU	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
21/01/2023	NATIONAL AIRLINE	B744	N702CA	NCR 841	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
21/01/2023	QATAR AIRWAYS	B788	A7BCN	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
21/01/2023	AIR FRANCE	A332	FGZCA	AFR 775	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
21/01/2023	SAOTOME	B763	CSTSU	SAO507	LPPT	FPST	TENTU	LIREX	330	153.08	483.74
21/01/2023	SAOTOME	B763	CSTSU	STP508	FPST	LPPT	LIREX	TENTU	320	153.08	483.74
21/01/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
21/01/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH512	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
21/01/2023	ETHIOPIAN AIRLINE	B738	ETAZO	ETH917	HAAB	DBBB	IKROP	POLTO	400	30.509	96.408
21/01/2023	EMIRATE	B77W	A6ECK	UAE 797	OMDB	GUCY	ETRIS	GANDA	340	46.032	145.46

22/01/2023	AIR FRANCE	A359	FHTYN	AFR722	FCBB	LFPG	EBIMU	ENBUT	380	15.522	49.05
22/01/2023	BRUSSELS AIRLINES	A333	OOSFX	BEL 358	FZAA	EBBR	EBIMU	ENBUT	360	15.522	49.05
22/01/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH517	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
22/01/2023	EMIRATE	B773	A6ENL	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
22/01/2023	QATAR AIRWAYS	B788	A7BCF	QTR 1424	DGAA	OTHH	POLTO	GATAG	370/390	7.494	23.68
22/01/2023	ROYAL AIR MAROC	B738	CNRGF	RAM 263	GMMN	FGSL	TENTU	ARDEX	370	137.56	434.69
22/01/2023	ROYAL AIR MAROC	B738	CNRGF	RAM 262	FGSL	GMMN	ARDEX	OPALA	380	84.034	265.55
22/01/2023	ETHIOPIAN AIRLINE	B788	ETAOR	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
22/01/2023	AIR COTE D'IVOIRE	A320	TUTSX	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
22/01/2023	EMIRATE	B773	A6ENL	UAE 787	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
22/01/2023	EMIRATE	B773	A6ECM	UAE 795	OMDB	GUCY	ETRIS	GANDA	340	46.032	145.46
22/01/2023	ASKY	B737	ETAOK	SKK9204	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
22/01/2023	ASKY	B737	ETANG	SKK9205	DXXX	HAAB	POLTO	IKROP	390	30.509	96.408
22/01/2023	ETHIOPIAN AIRLINE	B787	ETAOV	ETH513	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
23/01/2023	BRUSSELS AIRLINES	A333	OOSFG	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	360	15.522	49.05
23/01/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 509	GMMN	FKKD	BOVDA	OBUDU	370	99.557	314.6
23/01/2023	ROYAL AIR MAROC	B38M	CNMAX	RAM 291	GMMN	FNLU	BOVDA	OBUDU	350/370	99.557	314.6
23/01/2023	TURKISH AIRLINES	B738	TCLCR	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
23/01/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 509	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6
23/01/2023	QATAR AIRWAYS	B77W	A7BEO	QTR 780	SBGR	OTHH	POLTO	GATAG	350	7.494	23.68
23/01/2023	AIR ATLANTA ICELANDIC	B744	TGAME	ABD 699P	FKKR	EBLG	EBIMU	ENBUT	400	15.522	49.05

23/01/2023	ETHIOPIAN AIRLINE	A359	ETAVC	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
23/01/2023	ETHIOPIAN AIRLINE	B788	ETAL	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
23/01/2023	ETHIOPIAN AIRLINE	A359	ETAYN	ETH 920	DGAA	HAAB	POLTO	GATAG	370	7.494	23.68
23/01/2023	ETHIOPIAN AIRLINE	B788	ETAOR	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
23/01/2023	ETHIOPIAN AIRLINE	B737	ETALM	ETH 916	DBBB	HAAB	POLTO	GATAG	350	7.494	23.68
23/01/2023	KLM	B77W	PHBVD	KLM 119	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
23/01/2023	EGYPT AIR	A333	SUGDS	MSR 882	DGAA	HECA	POLTO	KELAK	390	153.08	483.74
23/01/2023	AIR FRANCE	A359	FHTYL	AFR 756	FZAA	LFPG	EBIMU	ENBUT	400	15.522	49.05
23/01/2023	AIR FRANCE	A332	FGZCE	AFR900	LFPG	FKYS	ENBUT	EBIMU	390	15.522	49.05
23/01/2023	EMIRATE	B77W	A6EAM	UAE788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
23/01/2023	AIR ATLANTA ICELANDIC	B744	TFAMN	ABD321	LSZH	FZAA	ENBUT	EBIMU	350	15.522	49.05
23/01/2023	BRUSSELS AIRLINES	A333	OOSFF	BEL369	FKYS	EBBR	TAKUM	MIMBA	340	7.494	23.68
23/01/2023	AIR FRANCE	A332	FGZCE	AFR901	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
23/01/2023	BRUSSELS AIRLINES	A343	OOSFG	BEL358	FZAA	EBBR	EBIMU	ENBUT	400	15.522	49.05
23/01/2023	AIR FRANCE	A359	FHTYL	AFR756	FZAA	LFPG	EBIMU	ENBUT	400	15.522	49.05
23/01/2023	EGYPT AIR	A330	SUGDS	MSR 881	HECA	DGAA	GATAG	POLTO	380	7.494	23.68
23/01/2023	ROYAL AIR MAROC	B738	CNROS	RAM297	GMMN	FOOL	TENTU	BIPIV	370	0	0
23/01/2023	ROYAL AIR MAROC	B738	CNRGK	RAM2627	GMMN	FOOL	TENTU	BIPIV	370	0	0
23/01/2023	ROYAL AIR MAROC	B738	CNROP	RAM266	FOOL	GMMN	BIPIV	TENTU	380	0	0
23/01/2023	ROYAL AIR MAROC	B738	CNROS	RAM296	FCBB	GMMN	ARDEX	OPALA	380	84.034	265.55
23/01/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408

23/01/2023	EMIRATE	B773	A6EPM	UAE9FE	OMDB	DGAA	KELAK	POLTO	360	153.08	483.74
23/01/2023	RWANDAIR	B738	9XRWG	RWD216	FOOL	DBBB	BIPIV	KIPSA	340	30.509	96.408
23/01/2023	ETHIOPIAN AIRLINE	B738	ETALM	ETH917	HAAB	DBBB	IKROP	POLTO	400	30.509	96.408
23/01/2023	CEIBALINE	AT76	3CLLM	CEL446	FOOL	DXXX	BIPIV	KIPSA	200	30.509	96.408
23/01/2023	RWANDAIR	B738	9XRWG	RWD217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
23/01/2023	EMIRATE	B77L	A6EPL	UAE9329	OMDW	DGAA	IKROP	POLTO	320	30.509	96.408
24/01/2023	ROYAL AIR MAROC	B738	CNROY	RAM 265	GMMN	FZAA	BOVDA	OBUDU	370	99.557	314.6
24/01/2023	EMIRATE	B77W	A6EPA	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
24/01/2023	ETHIOPIAN AIRLINE	B789	ETAUQ	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
24/01/2023	FAI RENT	L389	DCFAZ	IFA 1018	DAUZ	FKYS	MIMBA	TAKUM	410	7.494	23.68
24/01/2023	ACASS IRELAND	CL60	EJROXY	SON 002	FEFF	GOOY	GADUV	BOVDA	360/380	76.541	241.57
24/01/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 513	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
24/01/2023	EMIRATE	B77W	A6EGY	UAE 788	DGAA	OMDB	POLTO	KELAK	330	153.08	483.74
24/01/2023	BRUSSELS AIRLINES	A333	OOSFF	BEL 379	FKYS	EBBR	TAKUM	MIMBA	360/380	7.494	23.68
24/01/2023	AIR FRANCE	A332	FGZCO	AFR 775	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
24/01/2023	GLOBAL JET LUXEMBOURG	F2TH	OEIEN	GLJ 93EN	EBBR	FZAA	ENBUT	EBIMU	410	15.522	49.05
24/01/2023	ALLIED AIR	B734	5NJRT	AJK 133	FOOL	DXXX	BIPIV	KIPSA	260	30.509	96.408
24/01/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH 508	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
24/01/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 517	DXXX	HAAB	POLTO	GATAG	370	7.494	23.68
24/01/2023	ETHIOPIAN AIRLINE	A359	ETATY	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
25/01/2023	BRUSSELS AIRLINES	A333	OOSFB	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05

25/01/2023	TURKISH AIRLINES	B738	TCLCN	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
25/01/2023	QATAR AIRWAYS	B773	A7BAO	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
25/01/2023	UAE	B77W	A6ENU	UAE 9FE	OMDR	DGAA	GATAG	POLTO	360	7.494	23.68
25/01/2023	EGYPT AIR	A333	SUGEM	MSR 881	HECA	DGAA	GATAG	POLTO	380	7.494	23.68
25/01/2023	ETHIOPIAN AIRLINE	B789	ETAXS	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
25/01/2023	EGYPT AIR	B738	SUGEM	MSR 882	DGAA	HECA	POLTO	GATAG	350	7.494	23.68
25/01/2023	BRUSSELS AIRLINES	A333	OOSFD	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
25/01/2023	ETHIOPIAN AIRLINE	B38M	ETAVL	ETH 916	DBBB	HAAB	POLTO	GATAG	350	7.494	23.68
25/01/2023	ETHIOPIAN AIRLINE	B788	ETATH	ETH 934	DIAP	HAAB	POLTO	GATAG	390/410	7.494	23.68
25/01/2023	QATAR AIRWAYS	B788	A7BCE	QTR 1423	OTHH	DGAA	GATAG	POLTO	400	7.494	23.68
25/01/2023	MIDDLE EAST AIRLINE	A332	ODMEC	MEA 575	OLBA	DGAA	KELAK	POLTO	380	153.08	483.74
25/01/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
25/01/2023	MAURITANIA	B738	5TCLE	MIA085	FEFF	DBBB	BIPIV	KIPSA	380	30.509	96.408
25/01/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 516	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
25/01/2023	ETHIOPIAN AIRLINE	B738	ETAOU	ETH 512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
25/01/2023	ETHIOPIAN AIRLINE	B738	ETAVG	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
25/01/2023	ETHIOPIAN AIRLINE	A359	ETAZI	ETH920	DGAA	HAAB	POLTO	RALIN	390	30.509	96.408
25/01/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH509	DXXX	HAAB	POLTO	IKROP	390	30.509	96.408
25/01/2023	ASKY	B737	ETAPM	SKK044	DXXX	FZAA	KIPSA	BIPIV	370	30.509	96.408
25/01/2023	FAI RENT-A-JET	LJ60	DCFAZ	IFA 1018	FNLU	DRRN	BIPIV	TENTU	400	0	0
26/01/2023	ROYAL AIR MAROC	B738	CNROY	RAM 297	GMMN	FKKD	BOVDA	OBUDU	370	99.557	314.6

26/01/2023	ROYAL AIR MAROC	B78M	CNROK	RAM 509	GMMN	FKYS	BOVDA	OBUDU	350	99.557	314.6
26/01/2023	ETHIOPIAN AIRLINE	A359	ETAZI	ETH 920	DGAA	HAAB	POLTO	GATAG	350/370	7.494	23.68
26/01/2023	MAGMA AVIATION	B744	TFAMC	ABD 320	EBLG	FKYS	MIMBA	TAKUM	350	7.494	23.68
26/01/2023	AIR FRANCE	A332	FGZCO	AFR 900	LFPG	FKYS	ENBUT	EBIMU	370	15.522	49.05
26/01/2023	ROYAL AIR MAROC	B73M	CNROK	RAM 509	FKYS	GMMN	OBUDU	BOVDA	340	99.557	314.6
26/01/2023	EMIRATE	B77L	A6EFO	UAE 9329	OMDW	DGAA	GATAG	POLTO	320	7.494	23.68
26/01/2023	BRUSSELS AIRLINES	A333	OOSFF	BEL 379	FKYS	EBBR	TAKUM	MIMBA	380	7.494	23.68
26/01/2023	AIR FRANCE	A332	FGZCO	AFR 901	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
26/01/2023	ETHIOPIAN AIRLINE	B789	ETAUQ	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
26/01/2023	ETHIOPIAN AIRLINE	B788	ETARE	ETH 934	DIAP	HAAB	POLTO	GATAG	370/390	7.494	23.68
26/01/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 517	DXXX	HAAB	POLTO	GATAG	350	7.494	23.68
26/01/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH 513	DXXX	HAAB	POLTO	GATAG	370/390	7.494	23.68
26/01/2023	EMIRATE	B77W	A6EGL	UAE 788	DGAA	OMDB	POLTO	KELAK	330	153.08	483.74
26/01/2023	ROYAL AIR MAROC	B738	CNRGI	RAM 263	GMMN	FKKD	TENTU	ARDEX	330	137.56	434.69
26/01/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE 825	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
26/01/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
26/01/2023	EMIRATE	B773	A6EGL	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
26/01/2023	FRENCH AIRFORCE	C30J	FRAPP	CTM1461	FTTJ	DIAP	GATAG	POLTO	220	7.494	23.68
26/01/2023	BEST FLY	AT76	P4BFV	BFY466L	LPPT	FNLU	TENTU	LIREX	370	153.08	483.74
27/01/2023	BRUSSELS AIRLINES	A333	OOSFD	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
27/01/2023	ROYAL AIR MAROC	B738	CNROP	RAM 285	GMMN	FKKD	BOVDA	OBUDU	370	99.557	314.6

27/01/2023	QATAR AIRWAYS	GLF6	A7CGN	QQE 890	FALA	DAAG	TAKUM	MIMBA	430/470	7.494	23.68
27/01/2023	ROYAL AIR MAROC	B738	CNROP	RAM 284	FKKD	GMMN	OBUDU	BOVDA	360	99.557	314.6
27/01/2023	ETHIOPIAN AIRLINE	B788	ETAXL	ETH 909	HAAB	GABS	ETRIS	GANDA	360	46.032	145.46
27/01/2023	ETHIOPIAN AIRLINE	A359	ETAWP	ETH 920	DGAA	HAAB	POLTO	GATAG	410	7.494	23.68
27/01/2023	ETHIOPIAN AIRLINE	B737	ETARB	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
27/01/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 509	DXXX	HAAB	POLTO	GATAG	350	7.494	23.68
27/01/2023	QATAR AIRWAYS	B77W	A7BEK	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
27/01/2023	CAI	F900	IDEIM	CPI 1271	FZAA	LIRA	EBIMU	ENBUT	430	15.522	49.05
27/01/2023	EMIRATE	B77W	A6EPF	UAE 788	DGAA	OMDB	POLTO	KELAK	330	153.08	483.74
27/01/2023	QATAR AIRWAYS	B788	A7BCP	QTR 1424	DGAA	OTHH	POLTO	KELAK	370	153.08	483.74
27/01/2023	BRUSSELS AIRLINES	A333	OOSFC	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
27/01/2023	ETHIOPIAN AIRLINE	B737	ETAPF	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
27/01/2023	EMIRATE	B77W	A6EPF	UAE 9FE	OMDB	DGAA	IKROP	POLTO	380	30.509	96.408
27/01/2023	RWANDAIR	B738	9XRWG	RWD 216	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
27/01/2023	ETHIOPIAN AIRLINE	B778	ETAOO	ETH 934	DIAP	HAAB	LIREX	IKROP	370	107.1	338.28
27/01/2023	RWANDAIR	B738	9XRWG	RWD 217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
27/01/2023	EMIRATE	B77F	A6EFM	UAE9911	OMDB	DGAA	IKROP	POLTO	340	30.509	96.408
28/01/2023	AIR FRANCE	A359	FHTYA	AFR 770	FZAA	LFPG	EBIMU	ENBUT	400	15.522	49.05
28/01/2023	ROYAL AIR MAROC	B778	CNROP	RAM 507C	GMMN	FKKD	BOVDA	OBUDU	370/390	99.557	314.6
28/01/2023	ROYAL AIR MAROC	B738	CNROK	RAM 265	GMMN	FZAA	BOVDA	OBUDU	370	99.557	314.6
28/01/2023	ROYAL AIR MAROC	B38M	CNMAX	RAM 291	GMMN	FNLU	BOVDA	OBUDU	370	99.557	314.6

28/01/2023	ROYAL AIR MAROC	B738	CNROT	RAM 267	GMMN	FOOL	BOVDA	OBUDU	370	99.557	314.6
28/01/2023	BRITISH AIRWAYS	B772	GYMMA	BAW 2041	EGKK	FACT	ENBUT	EBIMU	350	15.522	49.05
28/01/2023	TURKISH AIRLINES	B38M	TCLCJ	THY 672	FZAA	LTFM	EBIMU	ENBUT	360	15.522	49.05
28/01/2023	TURKISH AIRLINES	B38M	TCLCP	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
28/01/2023	MIDDLE EAST AIRLINE	A332	ODMEB	MEA 575	OLBA	DGAA	KELAK	POLTO	380	153.08	483.74
28/01/2023	FAI NUE	CL60	DAFAI	IFA 1023	EDDN	FZAA	ENBUT	EBIMU	390	15.522	49.05
28/01/2023	ACM AIR	GLF4	TCGVB	TCGVB	GOOY	HBBA	BOVDA	GADUV	390/430	76.541	241.57
28/01/2023	ETHIOPIAN AIRLINE	B38M	ETAVX	ETH 3916	DIAP	HAAB	POLTO	GATAG	410	7.494	23.68
28/01/2023	EMIRATE	B77W	A6ECQ	UAE 797	OMDB	GUCY	ETRIS	GANDA	340	46.032	145.46
28/01/2023	EMIRATE	B77W	A6ENS	UAE 9FE	OMDM	DGAA	GATAG	POLTO	320	7.494	23.68
28/01/2023	EGYPT AIR	B38M	SUGEL	MSR 881	HECA	DGAA	GATAG	POLTO	380	7.494	23.68
28/01/2023	ETHIOPIAN AIRLINE	B789	ETAUP	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
28/01/2023	LUXWING	G200	9H7MF	LWG 202	FKKR	LIML	EBIMU	ENBUT	320	15.522	49.05
28/01/2023	ETHIOPIAN AIRLINE	B788	ETASI	ETH 934	DIAP	HAAB	POLTO	GATAG	370	7.494	23.68
28/01/2023	ETHIOPIAN AIRLINE	A300	ETAVE	ETH 920	DGAA	HAAB	POLTO	GATAG	350	7.494	23.68
28/01/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
28/01/2023	EGYPT AIR	B735	SUGEL	MSR 882	DGAA	HECA	POLTO	GATAG	350	7.494	23.68
28/01/2023	AIR FRANCE	A350	FHTYK	AFR 722	LFPG	FZAA	ENBUT	EBIMU	390	15.522	49.05
28/01/2023	GAYA	GLEX	N599CH	N599CH	GMAD	FKKD	BOVDA	OBUDU	410/390	99.557	314.6
28/01/2023	EMIRATE	B77W	A6ENS	UAE 788	DGAA	OMDB	POLTO	KELAK	330	153.08	483.74
28/01/2023	QATAR AIRWAYS	B788	A7BCC	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74

28/01/2023	BRUSSELS AIRLINES	A333	OOSFC	BEL 379	FKYS	EBBR	TAKUM	MIMBA	340/380	7.494	23.68
28/01/2023	AIR FRANCE	A332	FGZCM	AFR 775	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
28/01/2023	SAOTOME	B763	CSTSU	STP 507	LPPT	FPST	TENTU	LIREX	370	153.08	483.74
28/01/2023	ROYAL AIR MAROC	B738	CNRGV	RAM 266	FOOL	GMMN	BIPIV	KIPSA	360	30.509	96.408
28/01/2023	SAOTOME	B763	CSTSU	STP 508	FPST	LPPT	LIREX	TENTU	340	153.08	483.74
28/01/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH 516	HAAB	DXXX	IKROP	POLTO	360	30.509	96.408
28/01/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
28/01/2023	ETHIOPIAN AIRLINE	B788	ETAQQ	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
28/01/2023	ETHIOPIAN AIRLINE	B788	ETAOS	ETH 507	SBGR	HAAB	EDUKO	ARDEX	410	145.05	458.37
28/01/2023	ETHIOPIAN AIRLINE	B738	ETAQQ	ETH 916	DBBB	HAAB	POLTO	IKROP	370	30.509	96.408
28/01/2023	AIR COTE D'IVOIRE	A320	TUTSX	VRE 903	FZAA	DBBB	BIPIV	KIPSA	380	30.509	96.408
29/01/2023	VISTA JET MALTA	GLEX	9HVJD	VTJ 1732	LFPB	FCBB	ENBUT	EBIMU	450	15.522	49.05
29/01/2023	ROYAL AIR MAROC	B738	CNRGG	RAM 285	GMMN	FKKD	BOVDA	OBUDU	350	99.557	314.6
29/01/2023	EMIRATE	B777	A6ECG	UAE 795	OMDB	GUCY	ETRIS	GANDA	320	46.032	145.46
29/01/2023	EMIRATE	B77W	A6EPF	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
29/01/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 284	FKKD	GMMN	OBUDU	BOVDA	360	99.557	314.6
29/01/2023	ETHIOPIAN AIRLINE	B789	ETAXK	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
29/01/2023	ETHIOPIAN AIRLINE	A359	ETATQ	ETH 920	DGAA	HAAB	POLTO	GATAG		7.494	23.68
29/01/2023	EMIRATE	A380	A6EVE	UAE 262	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74
29/01/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH 517	DXXX	HAAB	POLTO	GATAG	410/390	7.494	23.68
29/01/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 513	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68

29/01/2023	KLM	B77W	PHBVA	KLM 119	EHAM	FACT	EBIMU	EBIMU	330	15.522	49.05
29/01/2023	QATAR AIRWAYS	B777	A7BEN	QTR 774	SBGL	OTHH	POLTO	KELAK	350	153.08	483.74
29/01/2023	GREEN PALC	GLEX	PPFCC	PPFCC	LPCS	FCBB	BOVDA	OBUDU	410/450	99.557	314.6
29/01/2023	AIR FRANCE	B772	FRGZCF	AFR 900	LFPG	FKYS	ENBUT	EBIMU	370	15.522	49.05
29/01/2023	AIR HAMBURG	E352	DASAP	AH0847 E	FTTJ	GDAA	KELAK	POLTO	380	153.08	483.74
29/01/2023	EMIRATE	B77W	A6EGR	UAE 788	DGAA	OMDB	POLTO	KELAK	390	153.08	483.74
29/01/2023	QATAR AIRWAYS	B788	A7BCE	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
29/01/2023	BRUSSELS AIRLINES	A333	OOSFD	BEL 383	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
29/01/2023	AIR FRANCE	A332	FGZCF	AFR 901	FKYS	LFPG	TAKUM	MIMBA	360/380	7.494	23.68
29/01/2023	ROYAL AIR MAROC	B738	CNRGF	RAM 262	FGSL	GMM N	ARDEX	OPALA	360	84.034	265.55
29/01/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 508	HAAB	DXXX	IKROP	POLTO	360	30.509	96.408
29/01/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 507	SBGR	HAAB	EDUKO	ARDEX	410	145.05	458.37
30/01/2023	AIR FRANCE	A359	FHTYK	AFR 770	FZAA	LFPG	TAKUM	MIMBA	380	7.494	23.68
30/01/2023	TURKISH AIRLINES	B38M	TCLCR	THY 587	FCPP	LTFM	TAKUM	MIMBA	340/360	7.494	23.68
30/01/2023	ROYAL AIR MAROC	B38M	CNROJ	RAM 297	GMMN	FCBB	BOVDA	OBUDU	350/370	99.557	314.6
30/01/2023	BRITISH AIRWAYS	B772	GYMMC	BAW 2041	EGKIC	FACT	EMBUT	EBIMU	350	15.522	49.05
30/01/2023	LUFTHANS A	A333	DAIKM	DLH 560	EDDF	FNLU	EMBUT	EBIMU	390	15.522	49.05
30/01/2023	EDELWEIS S AIR	A343	HBJMF	EDW 84	LSZH	FACT	EMBUT	EBIMU	350	15.522	49.05
30/01/2023	BRITISH AIRWAYS	B772	GYMMJ	BAW 59	EGLL	FACT	EMBUT	EBIMU	350	15.522	49.05
30/01/2023	ROYAL AIR MAROC	B738	CNROU	RAM 509	FKKD	GMM N	OBUDU	BOVDA	340	99.557	314.6
30/01/2023	ROYAL AIR MAROC	B38M	CNROJ	RAM 296	FKKD	GMM N	OBUDU	BOVDA	360	99.557	314.6

30/01/2023	ETHIOPIAN AIRLINE	B789	ETASJ	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
30/01/2023	EMIRATE	A388	A6EUJ	UAE 262	SBGR	OMDB	POLTO	KELAK	350	153.08	483.74
30/01/2023	ETHIOPIAN AIRLINE	B38M	ETAVL	ETH 916	DBBB	HAAB	POLTO	GATAG	350	7.494	23.68
30/01/2023	ETHIOPIAN AIRLINE	A359	ETAYB	ETH 934	DAIP	HAAB	POLTO	GATAG	410	7.494	23.68
30/01/2023	ETHIOPIAN AIRLINE	A359	ETAYM	ETH 920	DGAA	HAAA B	POLTO	GATAG	410	7.494	23.68
30/01/2023	QATAR AIRWAYS	B72W	A7BAJ	QTR 774	SBGR	OTTH	POLTO	KELAK	350	153.08	483.74
30/01/2023	AIR FRANCE	A359	FHTYH	AFR 756	LFPG	FCBB	ENBUT	EBIMU	390	15.522	49.05
30/01/2023	EGYPT AIR	B738	SUGEC	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
30/01/2023	AIR FRANCE	A332	FGZEE	AFR 900	LFPG	FKYS	ENBUT	EBIMU	390	15.522	49.05
30/01/2023	EMIRATE	B77W	A6EDG	UAE 788	DGAA	OMDB	POLTO	KELAK	330	153.08	483.74
30/01/2023	ETHIOPIAN AIRLINE	B738	ETAPIC	ETH 8697	HAAB	GOBD	ETRIS	GANDA	400	46.032	145.46
30/01/2023	EUROWING S DISCOVER	A332	DAXGE	OCN 133	FYWH	EDDF	EBIMU	ENBUT	380/400	15.522	49.05
30/01/2023	BRUSSELS AIRLINES	A333	POSPH	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
30/01/2023	VIRGIN ATLANTIC	B789	GUZIG	VIR 450	FAOR	EGLL	TAKUM	MIMBA	380	7.494	23.68
30/01/2023	BRUSSELS AIRLINES	A333	OOSFB	BEL 358	FZAA	EBBR	TAKUM	MIMBA	360	7.494	23.68
30/01/2023	ETHIOPIAN AIRLINE	B38M	ETAOO	ETH 896	HAAB	GOBN	ETRIS	GANDA	400	46.032	145.46
30/01/2023	AIR FRANCE	A332	FGZCE	AFR 901	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
30/01/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3921	HAAB	DFFD	ETRIS	GANDA	360	46.032	145.46
30/01/2023	FRANCE AIR FORCE	C30J	FRAPP	CTM 1461	DIAP	FTTJ	POLTO	KELAK	250	153.08	483.74
30/01/2023	EMIRATE	B77W	A6EDG	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
30/01/2023	EGYPT AIR	B738	SUGEC	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68

30/01/2023	VISTA JET	CL60	9HFVK	VJT 527	DXXX	OMD W	POLTO	KELAK	350/370	153.08	483.74
30/01/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
30/01/2023	ETHIOPIAN AIRLINE	B738	ETAVL	ETH 917	HAAB	DBBB	IKROP	POLTO	400	30.509	96.408
30/01/2023	RWANDAIR	B738	9XRWG	RWD 216	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
30/01/2023	CEIBALINE	AT72	3CLLM	CEL 446	FOOL	DXXX	BIPIV	KIPSA	180	30.509	96.408
30/01/2023	RWANDAIR	B738	9XRWQ	RWD 217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
30/01/2023	ETHIOPIAN AIRLINE	B738	ETAQO	ETH 8699	HAAB	GOOY	ETRIS	GANDA	400	46.032	145.46
31/01/2023	BRITISH AIRWAYS	B772	GYMMY	BAW 59	EGLL	FACT	ENBUT	EBIMU	330/350	15.522	49.05
31/01/2023	EMIRATE	B77W	A6ENK	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340/360	7.494	23.68
31/01/2023	ETHIOPIAN AIRLINE	B788	ETATJ	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
31/01/2023	ETHIOPIAN AIRLINE	A359	ETA21	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
31/01/2023	ETHIOPIAN AIRLINE	A359	ETA21	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
31/01/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 513	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
31/01/2023	ETHIOPIAN AIRLINE	B738	ETAPF	ETH 9201	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
31/01/2023	KLM	B772	PHBQF	KLM 119	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
31/01/2023	EMIRATE	B777	A6ENK	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
31/01/2023	BRUSSELS AIRLINES	A343	OOSFC	BEL 379	FKYS	EBBR	TAKUM	MIMBA	380	7.494	23.68
31/01/2023	AIR FRANCE	A332	FGZCE	AFR 775	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
31/01/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 517	DXXX	HAAB	POLTO	IKROP	410	30.509	96.408
										1147	
										36200	31.5
										.54	6

KANO FIR OVER FLIERS CO2 EMISSION SAVINGS (FUEL SAVINGS) PER ROUTE LEG BASED ON FREE ROUTE AIRSPACE CONCEPT FOR FEBRUARY 2023 – CRITICAL AIRCRAFT – B737

DATE dd/mm /yyyy	OPERATOR	ACFT TYPE	REG.	Call Sign	Dept. Point	Dest.	Entry Point	Exit Point	LVL/S	Fuel Savings Per Route Leg (kg)	CO ₂ Savings Per Route Leg (kg)
01/02/2023	BRUSSEL AIRLINE	A333	ODSFF	BEL359R	FZAA	EBBR	EBIMU	EMBUT	380	15.522	49.05
2/1/2023	QATAR EXECUTIVE	GLF6	A7CGH	QQE868	FCBB	EGOH	TAKUM	MIMGU	430	7.494	23.68
2/1/2023	BRITISH AIRWAYS	B772	GYMME	BAW2041	EGLK	FACT	ENBUT	EBIMU	350	15.522	49.05
2/1/2023	TURKISH AIRWAYS	B38M	TCLCG	THY8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
2/1/2023	BRITISH AIRWAYS	B772	GYMMN	BAW 59	EGLL	FACT	ENBUT	EBIMU	360	15.522	49.05
2/1/2023	MIDDLE EAST AIRWAYS	A332	ODMEC	MEA576	DGAA	OLBA	POLTO	KELAK	370/390	153.08	483.74
2/1/2023	QATAR AIRWAYS	B773	A7BEO	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
2/1/2023	EGYPT AIR	B738	SUGEH	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
2/1/2023	AIR FRANCE	A359	FHTYM	AFR 756	LFPG	FCBB	ENBUT	EBIMU	410	15.522	49.05
2/1/2023	EMIRATES	B77W	A6ENQ	UAE 788	DGAA	OMDB	POLTO	KELAK	330	153.08	483.74
2/1/2023	QATAR AIRWAYS	B788	A7BCX	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
2/1/2023	BRUSSEL AIRLINE	A334	OOFX	BEL 358	FKYS	EBBR	TAKUM	MIMBA	400	7.494	23.68
2/1/2023	BRUSSEL AIRLINE	A333	OOSFB	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360/380	7.494	23.68
2/1/2023	QATAR AIRWAYS	B788	A7BCX	QTR 1423	OTHH	DGAA	GATAG	POLTO	400	7.494	23.68
2/1/2023	MIDDLE EAST AIRWAYS	A332	ODMEC	MEA 575	OLBA	DGAA	KELAK	POLTO	360	153.08	483.74
2/1/2023	AIR COTE D'IVOIRE	A320	TUTSK	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
2/1/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408

2/1/2023	FRENCH AIRFORCE	C30J	FRAPP	CTM1461	FTTJ	DIAP	GATAG	POLTO	220	7.494	23.68
2/1/2023	EMIRATES	B777	A6ENQ	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
2/1/2023	ETHIOPIAN AIRLINE	B738	ETAPK	ETH 917	HAAB	DBBB	IKROP	POLTO	400	30.509	96.408
2/1/2023	ETHIOPIAN AIRLINE	B788	ETASI	ETH 512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
2/1/2023	EGYPT AIR	B738	SUGEH	MSR 881	HECA	DGAA	GATAG	POLTO	380	7.494	23.68
2/1/2023	EMIRATES	A388	A6EVF	UAE 262	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74
2/1/2023	ETHIOPIAN AIRLINE	B788	ETATI	ETH 934	DIAP	HAAB	POLTO	GATAG	410	7.494	23.68
2/1/2023	ETHIOPIAN AIRLINE	B788	ETATZ	ETH 908	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
2/1/2023	ETHIOPIAN AIRLINE	B788	ETAPK	ETH 916	DBBB	HAAB	POLTO	GATAG	330	7.494	23.68
2/1/2023	ETHIOPIAN AIRLINE	B788	ETATH	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
2/1/2023	ETHIOPIAN AIRLINE	A359	ETAUC	ETH 920	DGAA	HAAB	POLTO	GATAG	410	7.494	23.68
2/1/2023	MOROCCIAN AIR FORCE	BY100	NMSM	FRV1201	DRRN	FOOL	TENTU	BIPIV	270	0	0
2/1/2023	ETHIOPIAN AIRLINE	B788	ETAOT	ETH509	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
2/2/2023	ROYAL AIR MAROC	B38M	CNMAX	RAM 291	GMMN	FNLU	BONDA	OBUDU	370	99.557	314.6
2/2/2023	ROYAL AIR MAROC	B738	CNROP	RAM 297	GMMN	FCBB	BOVDA	OBUDU	390	99.557	314.6
2/2/2023	TAG MALTA AIR	GL5T	9HASB	TEU 9	EGLF	FCCB	ENBUT	EBIMU	450	15.522	49.05
2/2/2023	ROYAL AIR MAROC	B738	CNRGH	RAM 509	GMMN	FKYS	BOVDA	OBUDU	390	99.557	314.6
2/2/2023	EDELWEISS AIR	A343	HBJMB	EDW 84	LSZH	FACT	ENBUT	EBIMU	370	15.522	49.05
2/2/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH 8401	GOBD	FZWA	BOVDA	GADUV	390/410	76.541	241.57
2/2/2023	ROYAL AIR MAROC	B738	CNRGH	RAM 509	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6
2/2/2023	ETHIOPIAN AIRLINE	B789	ETAUQ	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
2/2/2023	EMIRATES	B77W	A6EGD	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68

2/2/2023	ETHIOPIAN AIRLINE	B788	ETATH	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
2/2/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
2/2/2023	ETHIOPIAN AIRLINE	B77L	ETAPU	ETH 3925	HAAB	GABS	ETRIS	GANDA	340	46.032	145.46
2/2/2023	ETHIOPIAN AIRLINE	B788	ETASI	ETH 513	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
2/2/2023	KLM	B772	PHBQG	KLM 119	EHAM	FACT	ENBUT	EBIMU	350	15.522	49.05
2/2/2023	ROYAL AIR MAROC	B738	CNROY	RAM263	GMMN	FOOL	TENTU	ARDEX	370	137.56	434.69
2/2/2023	AIR COTE D'IVOIRE	A320	TUTSV	VRE825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
2/2/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH 508	HAAB	DXXX	IKROP	POLTO	430	30.509	96.408
2/2/2023	ETHIOPIAN AIRLINE	A359	ETAWN	ETH 920	DGAA	HAAB	POLTO	IKROP	410	30.509	96.408
2/2/2023	CEIBA LINE	AT75	3CLLM	CEL358	DXXX	FOOL	KIPSA	BIPIV	410	30.509	96.408
2/2/2023	VISTA JET	CL60	9HVFF	VST550	DBBB	OMDW	POLTO	KELAK	350	153.08	483.74
2/02/2023	AIR FRANCE	A359	FHTYT	AFR 722	LFPG	FZAA	ENBUT	EBIMU	390	15.522	49.05
2/02/2023	VISTA JET MALTA	CL60	9HVFF	VJT 551	DBBB	OMDB	POLTO	KELAK	350	153.08	483.74
2/02/2023	AIR FRANCE	A332	FGZCN	AFR 900	LFPG	FKYS	MIMBA	TAKUM	370	7.494	23.68
2/02/2023	EMIRATE	B773	A6EGD	UAE 788	DGAA	OMDB	POLTO	KELAK	330	153.08	483.74
2/02/2023	BRUSSELS AIRLINES	A333	OOSFD	BEL 379	FKYS	EBBR	TAKUM	MIMBA	340	7.494	23.68
2/02/2023	AIR FRANCE	A332	FGZCN	AFR 901	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
2/02/2023	AIR FRANCE	A350	FHTYI	AFR 722	FCBB	LFPG	TAKUM	MIMBA	400	7.494	23.68
2/02/2023	EMIRATE	B77L	A6EFO	UAE 9329	OMDW	DGAA	GATAG	POLTO	340	7.494	23.68
3/02/2023	BRUSSELS AIRLINES	A333	OOSFF	BEL359R	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
3/02/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH 8401	GOBD	FZNA	BOVDA	GADUV	390	76.541	241.57
3/02/2023	QATAR AIRWAYS	B788	A7BCP	QTR 1423	OTHH	DGAA	GATAG	POLTO	380/400	7.494	23.68

3/02/2023	ETHIOPIAN AIRLINE	B77L	ETALD	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
3/02/2023	ETHIOPIAN AIRLINE	B77L	ETALD	ETH 908	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
3/02/2023	ETHIOPIAN AIRLINE	B738	ETAXG	ETH 916	DBBB	HAAB	POLTO	GATAG	390	7.494	23.68
3/02/2023	ETHIOPIAN AIRLINE	A350	ETAVE	ETH 934	DIAP	HAAB	POLTO	GATAG		7.494	23.68
3/02/2023	ZET AVIA	IL76	VRZAR	ZAV 9012	DGAA	OMRK	POLTO	KELAK	290/330	153.08	483.74
3/02/2023	EMIRATE	B773	A6EGD	UAE 788	DGAA	OMDB	POLTO	KELAK	330	153.08	483.74
2/3/2023	QATAR AIRWAYS	B788	A7BCX	QTR 1424	DGAA	OTHH	POLTO	GATAG	410	7.494	23.68
2/3/2023	BRUSSEL AIRLINE	A333	OOSFB	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
2/3/2023	AIR COTE D'IVOIRE	A320	TUTSV	VRE 825	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
3/02/2023	ETHIOPIAN AIRLINE	B738	ETAXG	ETH 917	HAAB	DBBB	IKROP	POLTO	400	30.509	96.408
2/3/2023	ETHIOPIAN AIRLINE	B788	ETATJ	ETH508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
2/3/2023	EMIRATES	B77W	A6EBU	UAE 795	OMDB	DIAP	ETRIS	GANDA	360	46.032	145.46
2/3/2023	RWANDAIR	B738	9XRMF	RWD 216	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
2/3/2023	EMIRATES	B77W	A6EGD	UAE 9FE	OMDB	DGAA	IKROP	POLTO	360	30.509	96.408
3/02/2023	ETHIOPIAN AIRLINE	A359	ETAVD	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
2/3/2023	ETHIOPIAN AIRLINE	B789	ETAUQ	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
2/3/2023	ETHIOPIAN AIRLINE	B738	ETAXG	ETH 916	DBBB	HAAB	POLTO	GATAG	390	7.494	23.68
2/3/2023	ETHIOPIAN AIRLINE	A358	ETAVE	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
2/3/2023	ETHIOPIAN AIRLINE	B788	ETATJ	ETH 509	HAAB	DXXX	IKROP	GATAG	400	153.08	483.74
2/3/2023	RWANDAIR	B738	9XRMF	RWD 217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
2/3/2023	MOROCCIAN AIR FORCE	GLF4	CNMSM	FRV 1201	FOOL	DRRN	BIPIV	TENTU	280	0	0

3/02/2023	EMIRATE	B777	A6EFO	UAE 9329	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
4/02/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 265	GMMN	FZAA	BOVDA	OBUDU	370	99.557	314.6
4/02/2023	ROYAL AIR MAROC	B738	CNROS	RAM 507C	GMMN	FKKD	BOVDA	OBUDU	370	99.557	314.6
4/02/2023	TAG MALTA AIR	GL5T	9HASB	TEU 9	FCBB	EGLF	TAKUM	MIMBA	430	7.494	23.68
4/02/2023	LUFTHANS A	A343	DAIGW	DLH 576	EDDF	FACT	ENBUT	EBIMU	350	15.522	49.05
4/02/2023	QATAR AIRWAYS	B788	A7BDC	QTR 1423	OTHH	DGAA	GATAG	POLTO	400	7.494	23.68
4/02/2023	MIDDLE EAST AIRLINE	A332	ODMEB	MEA 575	OLBA	DGAA	KELAK	POLTO	400	153.08	483.74
4/02/2023	ROYAL AIR MAROC	B738	CNROS	RAM 507C	FKYS	GMMN	OBUDU	BOVDA	340	99.557	314.6
4/02/2023	EMIRATE	B77W	A6EPU	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
4/02/2023	EGYPT AIR	B738	SUGEM	MSR881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
4/02/2023	ETHIOPIAN AIRLINE	B789	ETXL	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
4/02/2023	ETHIOPIAN AIRLINE	B788	ETAOT	ETH 934	DIAP	HAAB	POLTO	GATAG	410	7.494	23.68
4/02/2023	ETHIOPIAN AIRLINE	B238	ETAQN	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
4/02/2023	ETHIOPIAN AIRLINE	A359	ETAVD	ETH 908	GABS	HAAB	GANDA	ETRIS	400	46.032	145.46
4/02/2023	MIDDLE EAST AIRLINE	A332	ODMED	MEA 576	DGAA	OLBA	POLTO	KELAK	370	153.08	483.74
4/02/2023	EGYPT AIR	B738	SUGEM	MSR 882	DGAA	HECA	POLTO	GATAG	350	7.494	23.68
4/02/2023	AIR FRANCE	A359	PHTYQ	AFR 772	LFPG	FZAA	ENBUT	EBIMU	390	15.522	49.05
4/02/2023	LUXAVIATION MALTA	GL5T	PHYAA	LXM112	LFPB	FOOD	ENBUT	EBIMU	410	15.522	49.05
4/02/2023	ETHIOPIAN AIRLINE	B772	ETAVI	ETH 3925	HAAB	GABS	ETRIS	GANDA	340	46.032	145.46
4/02/2023	TURKISH AIRLINES	B788	TCLCF	THY 8HN	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
4/02/2023	EMIRATE	B77W	A6EPU	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74

4/02/2023	COCA COLA	GA6C	N886RW	N886RW	SBGR	HECA	POLTO	KELAK	450	153.08	483.74
4/02/2023	QATAR AIRWAYS	B788	A7BDC	QTR 1424	GDA	OTHH	POLTO	GATAG	390/410	7.494	23.68
4/02/2023	QATAR EXECUTIVE	GVI	A7CGN	QQE 891	FALA	DAAG	TAKUM	MIMBA	450	7.494	23.68
4/02/2023	BUSSEL AIR	A333	OOSFI	BEL 379	FKYS	EBBR	TAKUM	MIMBA	340	7.494	23.68
4/02/2023	AIR FRANCE	A332	FGZCI	AFR 775	FKYS	LFPG	TAKUM	MIMBA	360/380	7.494	23.68
4/02/2023	AIR FRANCE	A359	FHYQ	AFR 722	FCBB	LFPG	TAKUM	MIMBA	380	7.494	23.68
4/02/2023	BRUSSELS AIRLINES	A333	OOSFX	BEL 358	FZAA	EBBR	EBIMU	ENBUT	340	15.522	49.05
4/02/2023	GLOBAL JET LUXEMBOURG	FA9X	LXAB	SVW56AB	FKYS	EHAM	TAKUM	MIMBA	360	7.494	23.68
4/02/2023	ROYAL AIR MAROC	B738	CNRGT	RAM 267	GMMN	FOOL	TENTU	BIPIV	350	0	0
4/02/2023	SAOTOME	B738	CSTSU	STP 507	LPPT	FPST	TENTU	LIREX	350	153.08	483.74
4/02/2023	ETHIOPIAN AIRLINE	B788	ETATK	ETH 512	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
4/02/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
4/02/2023	ETHIOPIAN AIRLINE	B738	ETAQN	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
4/02/2023	GAIN JET	GL7T	GLJ12X1	GLJ12X1	FNLU	LPPT	BIPIV	TENTU	430	0	0
4/02/2023	ETHIOPIAN AIRLINE	B788	ETATJ	ETH 509	DXXX	HAAB	POLTO	IKROP	410	30.509	96.408
5/02/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 285	GMMN	FKKD	BOVDA	OBUDU	350	99.557	314.6
5/02/2023	QATAR AIRWAYS	B788	A7BDD	QTR 1423	OTTH	DGAA	GATAG	POLTO	400	7.494	23.68
5/02/2023	EMIRATE	B77W	A6EGY	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
5/02/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
5/02/2023	ETHIOPIAN AIRLINE	B789	ETAXL	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
5/02/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68

5/02/2023	ETHIOPIAN AIRLINE	A359	ETATQ	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
5/02/2023	ETHIOPIAN AIRLINE	B788	ETATK	ETH 513	DXXX	HAAB	POLTO	GATAG	370/390	7.494	23.68
5/02/2023	BLOCK AVIATION	GLEX	QE199	GCK 17	FCBB	LFPB	EBIMU	ENBUT	400	15.522	49.05
5/02/2023	QATAR AIRWAYS	B788	A7BDD	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
5/02/2023	EMIRATE	B77W	A6EGY	UAE 788	DGAA	OMDB	POLTO	KELAK	330	153.08	483.74
5/02/2023	BRUSSELS AIRLINES	A333	OOSFC	BEL 383	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
5/02/2023	AIR FRANCE	A332	FGZCI	AFR 901	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
5/02/2023	LDX	FA7X	OELZM	LDX 3	LSGG	FACT	ENBUT	EBIMU	410	15.522	49.05
5/02/2023	ROYAL AIR MAROC	B738	CNRGH	RAM 263	GMMN	FGSL	TENTU	ARDEX	390	137.56	434.69
5/02/2023	ROYAL AIR MAROC	B738	CNRGH	RAM 262	FGSL	GMMN	ARDEX	OPALA	380	84.034	265.55
5/02/2023	AIR COTE D'IVOIRE	A320	TUTSX	VRE 825	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
6/02/2023	BRITISH AIRWAYS	A35K	GXWBF	BAW 43	EGLL	FACT	ENBUT	EBIMU	370	15.522	49.05
6/02/2023	ROYAL AIR MAROC	B78M	CNRGV	RAM 297	GMMN	FCBB	BOVDA	OBUDU	370/390	99.557	314.6
6/02/2023	BRUSSELS AIRLINES	A333	OOSFE	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	360/380	15.522	49.05
6/02/2023	ROYAL AIR MAROC	B38M	CNMAX	RAM 291	GMMW	FNLU	BOVDA	OBUDU	370	99.557	314.6
6/02/2023	ROYAL AIR MAROC	B38M	CNROZ	RAM 267	GMMW	FOOL	BOVDA	OBUDU	350/370	99.557	314.6
6/02/2023	QATAR AIRWAYS	B77W	A7BEE	QTR 780	SGBR	OTHH	POLTO	GATAG	350	7.494	23.68
6/02/2023	TURKISH AIRLINES	B738	TCLCR	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
6/02/2023	BRITISH AIRWAYS	B772	GYMMH	BAW 59	EGLL	FACT	ENBUT	EBIMU	350	15.522	49.05
6/02/2023	BRITISH AIRWAYS	B772	GYMME	BAW 2041	EGKK	FACT	ENBUT	EBIMU	330	15.522	49.05
6/02/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 509	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6

6/02/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 296	FZAA	GMMN	OBUDU	BOVDA	380	99.557	314.6
6/02/2023	EMIRATE	B77W	A6EPH	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
6/02/2023	EGYPT AIR	B738	SUGEB	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
6/02/2023	ETHIOPIAN AIRLINE	A359	ETAUA	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
6/02/2023	AIR PORTUGAL	A359	CSTUC	TAP 282	FQMA	LPPT	TAKUM	MIMBA	380	7.494	23.68
6/02/2023	UNITED ARAB EMIRATE	B77L	A6EWL	UAE 248	SBGL	OMDB	POLTO	GATAG	370	7.494	23.68
6/02/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
6/02/2023	ETHIOPIAN AIRLINE	A359	ETAWP	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
6/02/2023	ETHIOPIAN AIRLINE	B788	ETAOR	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
6/02/2023	QATAR AIRWAYS	B773	A7BEM	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
6/02/2023	AIR FRANCE	A332	FGZCA	AFR 900	LFPG	FKYS	ENBUT	EBIMU	390	15.522	49.05
6/02/2023	EMIRATE	B77W	A6EPH	UAE 788	DGAA	OMDB	POLTO	KELAK	330/350	153.08	483.74
6/02/2023	BRUSSELS AIRLINES	A333	OO8FF	BEL 369	FKYS	EBBR	TAKUM	MIMBA	340	7.494	23.68
6/02/2023	VIRGIN ATLANTIC	B789	GVWOO	VIR 450	FAOR	EGLL	TAKUM	MIMBA	380	7.494	23.68
6/02/2023	AIR FRANCE	A332	FGZCI	AFR 901	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
6/02/2023	EGYPT AIR	B738	SUGEB	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
6/02/2023	ETHIOPIAN AIRLINE	B788	ETATJ	ETH 516	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
6/02/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH 917	HAAB	DBBB	IKROP	POLTO	400	30.509	96.408
6/02/2023	RWANDAIR	B738	9XRWF	RWD 216	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
6/02/2023	EGYPT AIR	B738	SUGEB	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
7/02/2023	AIR FRANCE	A359	FHTYL	AFR 756	FZAA	LFPG	EBIMU	ENBUT	380/400	15.522	49.05

7/02/2023	ROYAL AIR MAROC	B738	CNRNG	RAM 265	GMMN	FOOL	BOVDA	OBUDU	370	99.557	314.6
7/02/2023	BRITISH AIRWAYS	B772	GYMMG	BAW 59	EGLL	FACT	ENBUT	EBIMU	350	15.522	49.05
7/02/2023	EMIRATE AIRLINE	A388	A6EUK	UAE 262	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74
7/02/2023	QATAR AIRWAYS	B733	A7BAI	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
7/02/2023	EMIRATE AIRLINE	B77W	A6ENL	UAE 9FE	OMDB	DGAA	GATAG	POLTO	380	7.494	23.68
7/02/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
7/02/2023	ETHIOPIAN AIRLINE	A359	ETAUA	ETH 908	GABS	HAAB	GANDA	ETRIS	400	46.032	145.46
7/02/2023	QATAR AIRWAYS	B777	A7BEO	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
7/02/2023	ETHIOPIAN AIRLINE	B788	ETATJ	ETH 517	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
7/02/2023	ROYAL DUTCH AIRLINE	B772	PHBQK	KLM 119	EHAM	FACT	ENBUT	EBIMU	330/350	15.522	49.05
7/02/2023	ETHIOPIAN AIRLINE	B788	ETATG	ETH 8407	HAAB	DGAA	GATAG	POLTO	340	7.494	23.68
7/02/2023	BRUSSELS AIRLINES	A333	OOSFE	BEL 379	FKYS	EBBR	TAKUM	MIMBA	380	7.494	23.68
7/02/2023	VIRGIN ATLANTIC	B789	GUBEL	VIR 450	FAOR	EGLL	TAKUM	MIMBA	380/400	7.494	23.68
7/02/2023	ETHIOPIAN AIRLINE	B788	ETATG	ETH 8499	DGAA	HAAB	POLTO	GATAG	410	7.494	23.68
7/02/2023	AIR FRANCE	A359	FHIYO	AFR 722	FCBB	LFPG	EBIMU	ENBUT	380/400	15.522	49.05
7/02/2023	ALLIED AIR	B737	5NOTT	AJK 133	FOOL	DXXX	BIPIV	KIPSA	360	30.509	96.408
7/02/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 508	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
7/02/2023	ETHIOPIAN AIRLINE	A359	ETAYM	ETH920	DGAA	HAAB	POLTO	IKROP	370	30.509	96.408
7/02/2023	EMIRATES	B77W	A6ENL	UAE788	DGAA	OMDB	POLTO	KELAK	330	153.08	483.74
8/02/2023	BRUSSELS AIRLINES	A333	OOSFD	BEL 3509R	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
8/02/2023	BRITISH AIRWAYS	A350	GXWBA	BAW 43	EHLL	FACT	ENBUT	EBIMU	350/370	15.522	49.05

8/02/2023	BRITISH AIRWAYS	B772	GYMMC	BAW 2041	EGKK	FACT	ENBUT	EBIMU	350	15.522	49.05
8/02/2023	TURKISH AIRLINES	B38M	TCLCC	THY 8WH	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
8/02/2023	BRITISH AIRWAYS	B772	GYMMI	BAW 59	EGLL	FACT	ENBUT	EBIMU	350	15.522	49.05
8/02/2023	MIDDLE EAST AIRLINE	A332	ODMEC	MEA 575	OLBA	DGAA	KELAK	POLTO	360	153.08	483.74
8/02/2023	QATAR AIRWAYS	B775	A7BDC	QTR 1423	OTHH	DGAA	GATAG	POLTO	400	7.494	23.68
8/02/2023	ETHIOPIAN AIRLINE	B763	ETALP	ETH 8801	GOBD	FEFF	BOVDA	GADUV	330	76.541	241.57
8/02/2023	EMIRATES	B77W	A6ENS	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
8/02/2023	EGYPT AIR	B738	SUGEM	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
8/02/2023	ETHIOPIAN AIRLINE	A359	ETANM	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
8/02/2023	MIDDLE EAST AIRLINE	A332	ODMEC	MEA 576	DGAA	OLBA	POLTO	KELAK	370	153.08	483.74
8/02/2023	EGYPT AIR	B738	SUG	MSR 882	DGAA	HECA	POLTO	KELAK	330	153.08	483.74
8/02/2023	ETHIOPIAN AIRLINE	B77L	ETARK	ETH 3925	HAAB	GABS	ETRIS	GANDA	340	46.032	145.46
8/02/2023	QATAR AIRWAYS	B788	A7BDC	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
8/02/2023	BRUSSELS AIRLINES	A333	OOSFE	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
8/02/2023	VIRGIN ATLANTIC	B789	GVAHH	VIR 450	FAOR	EGLL	TAKUM	MIMBA	380	7.494	23.68
8/02/2023	AIR COTE D'IVOIRE	A320	TUTSX	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
8/02/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
8/02/2023	ETHIOPIAN AIRLINE	B788	ETATS	ETH 512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
8/02/2023	ETHIOPIAN AIRLINE	B738	ETAQN	ETH 916	DBBB	HAAB	POLTO	GATAG	350/370	7.494	23.68
8/02/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
8/02/2023	ETHIOPIAN AIRLINE	A359	ETAYB	ETH 509	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68

8/02/2023	SARAO AIRWAYS	C650	CNSRL	CNSRL	DRRN	FCBB	TENTU	BIPIV	390	0	0
9/02/2023	BRITISH AIRWAYS	A35K	GXWBD	BAW 43	EGLL	FACT	ENBUT	EBIMU	370	15.522	49.05
9/02/2023	AIR FRANCE	A359	FHTYC	AFR 756	FZAA	LFPG	EBIMU	ENBUT	380/400	15.522	49.05
9/02/2023	ROYAL AIR MAROC	B738	CNRGF	RAM 509	GMMN	FKYS	BOVDA	OBUDU	370	99.557	314.6
9/02/2023	EDELWEIS S AIR	A343	HBJMG	EDW 84	LSZH	FACT	ENBUT	EBIMU	330	15.522	49.05
9/02/2023	ASTRA AVIATION	B744	TFWFF	ACP 2612	EBLG	FCBB	ENBUT	EBIMU	350	15.522	49.05
9/02/2023	ROYAL AIR MAROC	B738	CNRGF	RAM 509	FKKD	GMMN	OBUDU	BOVDA	340/360	99.557	314.6
9/02/2023	SARA AIRWAYS	C650	CNSRL	CNSRL	FCBB	DRRN	OBUDU	BOVDA	380	99.557	314.6
9/02/2023	EMIRATE AIRLINE	B77W	A6ENP	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
9/02/2023	EMIRATE AIRLINE	B77W	A6ECG	UAE 797	OMDB	GUCY	ETRIS	GANDA	340/360	46.032	145.46
9/02/2023	ETHIOPIAN AIRLINE	A359	ETAVC	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
9/02/2023	EMIRATE	A388	A6EUJ	UAE 262	SBGR	OMDB	POLTO	GATAG	370	7.494	23.68
9/02/2023	AIR PORTUGAL	A339	CSTUCT	TAP 282	FOMA	LPPT	TAKUM	MIMBA	400	7.494	23.68
9/02/2023	ETHIOPIAN AIRLINE	A350	ETAWO	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
9/02/2023	ETHIOPIAN AIRLINE	B788	ETATJ	ETH 513	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
9/02/2023	ROYAL DUTCH AIRLINE	B772	PHQL	KLM 119	EHAM	FACT	ENBUT	ENBIMU	330	15.522	49.05
9/02/2023	ETHIOPIAN AIRLINE	B738	ETAVD	ETH 3921	HAAB	DFFD	ETRIS	GANDA	380	46.032	145.46
9/02/2023	AIR FRANCE	A359	FHTYT	AFR 722	LFPG	FZAA	ENBUT	EBIMU	390	15.522	49.05
9/02/2023	QATAR AIRWAYS	B777	A7BAE	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
9/02/2023	EMIRATE AIRLINE	B77W	A6ENP	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
9/02/2023	EMIRATE	B77L	A6EFS	UAE 9329	OMDN	DGAA	GATAG	POLTO	320	7.494	23.68

9/02/2023	BRUSSELS AIRLINES	A333	OOSFF	BEL 379	FKYS	EBBR	TAKUM	MIMBA	380	7.494	23.68
9/02/2023	VIRGIN ATLANTIC	B789	GVNEW	VIR 450	FAOR	EGLL	TAKUM	MIMBA	360/380	7.494	23.68
9/02/2023	ROYAL DUTCH AIRLINE	B789	PHBHH	KLM595	EHAM	FACT	ENBUT	EBIMU	350	15.522	49.05
9/02/2023	AIR FRANCE	A332	FGZCD	AFR 901	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
9/02/2023	ROYAL AIR MAROC	B738	CNROY	RAM 297	GMMN	FOOL	TENTU	BIPIV	370	0	0
9/02/2023	ROYAL AIR MAROC	B738	CNRGM	RAM 263	GMMN	FGSL	TENTU	ARDEX	390	137.56	434.69
9/02/2023	BEST FLY ANGOLA	GLF4	P4BFL	BFY 479R	GMMX	FNLU	TENTU	LIREX	410	153.08	483.74
9/02/2023	ROYAL AIR MAROC	B738	CNRGM	RAM 262	FGSL	GMMN	ARDEX	OPALA	380	84.034	265.55
9/02/2023	AIR COTE D'IVOIRE	A310	TUTSW	VRE 825	FOOL	DXXX	BIPIV	KIPSA	360	30.509	96.408
9/02/2023	ROYAL MOROCCAN AIR FORCE	C56X	CNMMK	FRV 1427	FOOL	DRRN	BIPIV	TENTU	400	0	0
9/02/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 517	DXXX	HAAB	POLTO	IKROP	410	30.509	96.408
9/02/2023	CEIBA LINE	AT76	3CLLM	CEL 358	DXXX	FOOL	KIPSA	BIPIV	170	30.509	96.408
9/02/2023	ASKY	B737	ETAPM	SKK 070	DXXX	FZAA	KIPSA	BIPIV	370	30.509	96.408
9/02/2023	MAURITANIAN AIRLINES	B738	5TCLE	MAI 147	FOOL	DBBB	BIPIV	KIPSA	320	30.509	96.408
10/02/2023	AIR FRANCE	A359	FHTYT	AFR 722	FCBB	LFPG	EBIMU	ENBUT	400	15.522	49.05
10/02/2023	ROYAL AIR MAROC	B738	CNROZ	RAM 285	GMMN	FKKD	BOVDA	OBUDU	370	99.557	314.6
10/02/2023	EMIRATE	B77L	A6EFM	UAE 9255	OMDN	DGAA	GATAG	POLTO	340	7.494	23.68
10/02/2023	QATAR AIRWAYS	B788	A7BCF	QTR 1423	OTTH	DGAA	GATAG	POLTO	340	7.494	23.68
10/02/2023	EMIRATE	B77W	A6EGI	UAE 795	OMDB	GUCY	ETRIS	GANDA	340	46.032	145.46
10/02/2023	EMIRATE	B77W	A6ENP	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68

10/02/2023	ROYAL AIR MAROC	B738	CNROZ	RAM 284	FKKD	GMMN	OBUDU	BOVDA	320/360	99.557	314.6
10/02/2023	ETHIOPIAN AIRLINE	A359	ETAUA	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
10/02/2023	EMIRATE	A388	A6EUI	UAE 262	SBGR	OMDB	POLTO	KELAK	370/390	153.08	483.74
10/02/2023	ETHIOPIAN AIRLINE	B788	ETAOT	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
10/02/2023	ETHIOPIAN AIRLINE	A359	ETAWP	ETH 920	DGAA	HAAB	POLTO	GATAG	410	7.494	23.68
10/02/2023	ETHIOPIAN AIRLINE	B38M	ETAVL	ETH 916	DBBB	HAAB	POLTO	GATAG	370/390	7.494	23.68
10/02/2023	KLM	B77W	PHBUV	KLM 119	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
10/02/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH 3921	HAAB	DFFD	ETRIS	GANDA	360	46.032	145.46
10/02/2023	EMIRATES	B777	A6EPD	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
10/02/2023	QATAR AIRWAYS	B787	A7BCF	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
10/02/2023	BRUSSELS AIRLINES	A333	OOSFF	BEL 369	FKYS	EBBR	TAKUM	MIMBA	300	7.494	23.68
10/02/2023	VIRGIN ATLANTIC	B789	GVBEL	VIR 450	FAOR	EGLL	TAKUM	MIMBA	380	7.494	23.68
10/02/2023	BRUSSELS AIRLINES	A333	OOSFX	BEL 358	FZAA	LFPG	TAKUM	MIMBA	360/380	7.494	23.68
10/02/2023	AIR FRANCE	B772	FGSPN	AFR 929	FZAA	LFPG	TAKUM	MIMBA	380	7.494	23.68
10/02/2023	ETHIOPIAN AIRLINE	B738	ETAVI	ETH 917	HAAB	DBBB	IKROP	POLTO	400	30.509	96.408
10/02/2023	RWANDAIR	B738	9XRWQ	RWD 216	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
10/02/2023	UNITED NATION	HS25B	ZSCAF	UNO 45D	GPBD	HAAB	GANDA	ETRIS	350	46.032	145.46
10/02/2023	AIR COTE D'IVOIRE	A320	TUTSV	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
10/02/2023	UNIJET	FA7X	FHECD	LEA 121T	FPST	LFRK	LIREX	TENTU	400	153.08	483.74
10/02/2023	RWANDAIR	B738	9XRWQ	RWD 217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
10/02/2023	AIR FRANCE	A332	FGZCA	AFR 977	FOOL	LFPG	BIPIV	TENTU	380	0	0

11/02/2023	BRITISH AIRWAYS	A350	GXWBF	BAW 43	EGLL	FACT	ENBUT	EBIMU	370	15.522	49.05
11/02/2023	BRITISH AIRWAYS	B772	GYMMD	BAW 2041	EGKK	FACT	ENBUT	EBIMU	350	15.522	49.05
11/02/2023	ROM CARGO AIRLINE	B744	YRFSA	RCR 7121	DGAA	OMSJ	POLTO	GATAG	370/390	7.494	23.68
11/02/2023	QATAR AIRWAYS	B789	A7BCE	QTR 1423	OTHH	DGAA	GATAG	POLTO	380	7.494	23.68
11/02/2023	MIDDLE EAST AIRLINE	A332	ODMEE	MEA 575	OLBA	DGAA	KELAK	POLTO	380	153.08	483.74
11/02/2023	EMIRATE	B77W	A6ECO	UAE 797	OMDB	GUCY	KELAK	POLTO	340	153.08	483.74
11/02/2023	ETHIOPIAN AIRLINE	B788	ETATG	ETH 934	DIAP	HAAB	POLTO	GATAG	410	7.494	23.68
11/02/2023	MIDDLE EAST AIRLINE	A332	ODMEE	MEA 576	DGAA	OLBA	POLTO	KELAK	370	153.08	483.74
11/02/2023	EGYPT AIR	B738	SUGEN	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
11/02/2023	AIR FRANCE	A359	FHTYT	AFR 722	LFPG	FZAA	ENBUT	EBIMU	390	15.522	49.05
11/02/2023	EMIRATE	B77W	A6EPM	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
11/02/2023	BOMBADIER	GL5T	TCTSS	TCTSS	LIRA	FCBB	MIMBA	TAKUM	410	7.494	23.68
11/02/2023	QATAR AIRWAYS	B788	A7BCE	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
11/02/2023	BRUSSELS AIRLINES	A333	OOSFH	BEL 379	FKYS	EBBR	TAKUM	MIMBA	380	7.494	23.68
11/02/2023	VIRGIN ATLANTIC	B789	GVMAP	VIR 450	FAOR	EGLL	TAKUM	MIMBA	380	7.494	23.68
11/02/2023	LUFTHANSA	B748	DABYO	DLH 573	FAOR	EDDF	TAKUM	MIMBA	340/360	7.494	23.68
11/02/2023	AIR FRANCE	A332	FGZCK	AFR 775	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
11/02/2023	ETHIOPIAN AIRLINE	B77L	ETAVS	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
11/02/2023	EMIRATE	B77W	A6EPM	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340/360	7.494	23.68
11/02/2023	EGYPT AIR	B738	SUGEN	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68

11/02/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
11/02/2023	BEST FLY	GLF 4	P4BFL	BFY 479R	FNLU	FPPT	LIREX	TENTU	400	153.08	483.74
11/02/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 267	GMMN	FOOL	TENTU	BIPIV	330	0	0
11/02/2023	ETHIOPIAN AIRLINE	B788	ETAOQ	ETH 516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
11/02/2023	FRENCH AIRFORCE	CN35	FRAHE	CTM 1211	DRRN	FOOL	TENTU	BIPIV	170	0	0
11/02/2023	ETHIOPIAN AIRLINE	B788	ETAVP	ETH 512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
11/02/2023	ETHIOPIAN AIRLINE	B735	ETAOP	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
11/02/2023	ETHIOPIAN AIRLINE	A359	ETAUC	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
12/02/2023	AIR FRANCE	A359	FHTYY	ARF 722	FCBBB	LFPG	EBIMU	ENBUT	380	15.522	49.05
12/02/2023	ROYAL AIR MAROC	B738	CNROH	RAM 285	GMMN	FKKD	BOVDA	OBUDU	330	99.557	314.6
12/02/2023	AIR OCEAN MAROC	H25B	CNTKC	CNTKC	GMAN	FKKD	BOVDA	OBUDU	390	99.557	314.6
12/02/2023	QATAR AIRWAYS	B77W	A7BER	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
12/02/2023	EMIRATE AIRLINE	B77W	A6EBU	UAE 795	OMDB	GUCY	ETRIS	GANDA	320	46.032	145.46
12/02/2023	FEKOLA S.A	LJ45	ZSJON	ZSJO0N	FKYS	DAAT	TAKUM	MIMBA	430	7.494	23.68
12/02/2023	EMIRATE AIRLINE	B77W	A6EGK	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
12/02/2023	ROYAL AIR MAROC	B738	CNROH	RAM 284	FKKD	GMMN	OBUDU	BOVDA	390	99.557	314.6
12/02/2023	ETHIOPIAN AIRLINE	B77L	ETAUA	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
12/02/2023	FRANCE AIR FORCE	C130	FRAPF	CTM 3043	DXXX	FTTJ	POLTO	KELAK	190	153.08	483.74
12/02/2023	ETHIOPIAN AIRLINE	A359	ETAVC	ETH 908	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
12/02/2023	QATAR AIRWAYS	B773	A7BEK	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
12/02/2023	ETHIOPIAN AIRLINE	A359	ETAWP	ETH 920	DGAA	HAAB	POLTO	GATAG	410	7.494	23.68

12/02/2023	ETHIOPIAN AIRLINE	B738	ETAOU	ETH 513	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
12/02/2023	ETHIOPIAN AIRLINE	B788	ETAQQ	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
12/02/2023	AIR FRANCE	A332	FGZCK	AFR 900	LFPG	FKYS	MIMBA	TAKUM	370	7.494	23.68
12/02/2023	EMIRATE AIRLINE	B77W	A6EGK	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
12/02/2023	QATAR AIRWAYS	B788	A7BDC	QTR 1424	GDAA	OMDB	POLTO	KELAK	410	153.08	483.74
12/02/2023	BRUSSELS AIRLINE	A333	OOSFX	BEL 383	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
12/02/2023	AIR FRANCE	A332	FGZCK	AFR 901	KKYS	LPFGF	TAKUM	MIMBA	380	7.494	23.68
12/02/2023	AIR FRANCE	A359	FHTYT	AFR 770	FZAA	LFPG	EBIMU	ENBUT	380	15.522	49.05
12/02/2023	ROYAL AIR MAROC	B738	CNMAY	RAM 263	GMMN	FGSL	TENTU	ARDEX	370	137.56	434.69
12/02/2023	FRENCH AIRFORCE	C235	FRAHE	CTM 1211	FOOL	DRRN	BIPIV	TENTU	180	0	0
12/02/2023	AIR COTE D'IVOIRE	A20N	TUTSX	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
12/02/2023	MOROCCIAN AIR FORCE	RJ1H	CNMSM	FRV 1201	DRRN	FOOL	TENTU	BIPIV	290	0	0
12/02/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
12/02/2023	GOVT. OF MOROCCO	RJ1H	CNMSM	FRV 1201	FOOL	DRRN	BIPIV	TENTU	280	0	0
12/02/2023	MAURITANIAN AIRLINES	A321	LZMDF	MAI 147	FOOL	DBBB	BIPIV	KIPSA	340	30.509	96.408
12/02/2023	DEM. REP. OF CONGO	B739	T7RDC	DRC 001	FZAA	DXXX	BIPIV	KIPSA	360	30.509	96.408
13/02/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 509	FKKD	GMMN	OBUDU	BOVDA	360	99.557	314.6
13/02/2023	ROYAL AIR MAROC	B738	CNROS	RAM 296	FCBBB	GMMN	OBUDU	BOVDA	30/380	99.557	314.6
13/02/2023	EMIRATE AIRLINE	B77W	A6EPI	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
13/02/2023	EGYPT AIRLINE	B738	SUGEK	MSK 881	HECA	DGAA	GATAG	POLTO	340	7.494	23.68
13/02/2023	ETHIOPIAN AIRLINE	B739	ETAUQ	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46

13/02/2023	ETHIOPIAN AIRLINE	B789	ETAXL	ETH 934	DIAP	HAAB	POLTO	GATAG	370	7.494	23.68
13/02/2023	ETHIOPIAN AIRLINE	A350	ETAUA	ETH 908	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
13/02/2023	AIR FRANCE	A359	FHTYT	AFR 756	LFPG	FCBB	ENBUT	EBIMU	390	15.522	49.05
13/02/2023	ROYAL DUTCH AIRLINE	B77W	PHBVV	KLM 119	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
13/02/2023	EGYPT AIRLINE	B738	SUGEK	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
13/02/2023	DASSAULT FALCON SERV	FA7X	FHEXR	DSO 13XR	LFPB	FCBB	ENBUT	EBIMU	430	15.522	49.05
13/02/2023	AIR FRANCE	A332	FGZCE	AFR 900	LFPG	FKYS	ENBUT	EBIMU	350	15.522	49.05
13/02/2023	FRENCH AIR FORCE	C307	FRAPP	CTM 1461	FTTJ	DIAP	GATAG	POLTO	260	7.494	23.68
13/02/2023	ETHIOPIAN AIRLINE	B737	ETARB	ETH 916	DBBB	HAAB	POLTO	GATAG	390	7.494	23.68
13/02/2023	EMIRATE AIRLINE	B77W	A6EPI	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
13/02/2023	BRUSSELS AIRLINE	A333	OOSFX	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360/380	7.494	23.68
13/02/2023	AIR FRANCE	A332	FGZCE	AFR 901	FKYS	LFPG	TAKUM	MIMBA	340	7.494	23.68
13/02/2023	BRUSSELS AIRLINE	A333	OOSFE	BEL 358	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
13/02/2023	AIR FRANCE	A359	FHTYT	AFR 7456	FZAA	LFPG	EBIMU	ENBUT	380	15.522	49.05
13/02/2023	EMIRATE AIRLINE	B77L	A6EFS	UAE 9329	OMDW	DGAA	GATAG	POLTO	320	7.494	23.68
13/02/2023	ROYAL AIR MAROC	B738	CNROL	RAM267	GMMN	FOL	TENTU	BIPIV	370	0	0
13/02/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
13/02/2023	ETHIOPIAN AIRLINE	B738	ETARB	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
13/02/2023	RWANDAIR	B738	9XRWG	RWD 216	FOOL	DBBB	BIPIV	KIPSA	370	30.509	96.408
13/02/2023	CEIBA LINE	B738	ETAWR	CEL 446	FOOL	DXXX	BIPIV	KIPSA	380	30.509	96.408
13/02/2023	MOROCCIAN AIR FORCE	RJIH	CNMSM	FRV 1201	DRRN	FOOL	TENTU	BIPIV	310	0	0

13/02/2023	RWANDAIR	B738	9XRWG	RWD 217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
13/02/2023	DEM. REP. OF CONGO	B737	T7ROC	DRC 001	DXXX	FZAA	KIPSA	BIPIV	370	30.509	96.408
14/02/2023	ROYAL AIR MAROC	B738	CNRGV	RAM 265	GMMN	FZAA	BOVDA	OBUDU	370	99.557	314.6
14/02/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH 708	HAAB	DGAA	IKROP	POLTO	400	30.509	96.408
14/02/2023	ETHIOPIAN AIRLINE	A359	ETATQ	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
14/02/2023	ETHIOPIAN AIRLINE	B788	ETATL	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
14/02/2023	EMIRATE AIRLINE	B77W	A6ENS	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
14/02/2023	AIR FRANCE	A332	FGZCO	AFR 977	FOOL	LFPG	BIPIV	TENTU	380	0	0
14/02/2023	MOROCCIAN AIR FORCE	CRJ10	CNMSM	FRV 1201	FOOL	DRRN	BIPIV	TENTU	300	0	0
15/02/2023	AIR FRANCE	B772	FGSPI	AFR 929	FNLU	LFPG	TAKUM	MIMBA	360	7.494	23.68
15/02/2023	BRUSSELS AIRLINE	A333	OOSFF	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	400	15.522	49.05
15/02/2023	BRITISH AIRWAYS	A35K	GXWBC	BAW 43	EGLL	FACT	ENBUT	EBIMU	370	15.522	49.05
15/02/2023	AIR FRANCE	A359	FHTYA	AFR 722	LFPG	FZAA	ENBUT	ENBUT	410	15.522	49.05
15/02/2023	BRITISH AIRWAYS	B772	GYMMA	BAW 2041	EGKK	FACT	ENBUT	EBIMU	370	15.522	49.05
15/02/2023	TURKISH AIRLINE	B38M	TCLCN	THY 8HW	FKYS	LFTM	TAKUM	MIMBA	340	7.494	23.68
15/02/2023	BRITISH AIRWAYS	B772	GYMMG	BAW 59	EGLL	FACT	ENBUT	EBIMU	350	15.522	49.05
15/02/2023	ROYAL DUTCH AIRLINE	B772	PHBQR	KLM 104	FACT	EHAM	EBIMU	ENBUT	360	15.522	49.05
15/02/2023	MIDDLE EAST AIRLINE	A332	ODMEC	MEA 575	OLBA	DGAA	KELAK	POLTO	380	153.08	483.74
15/02/2023	QATAR AIRWAYS	B788	A7BCA	QTR 1423	OTHH	DGAA	GATAG	POLTO	400	7.494	23.68
15/02/2023	QATAR AIRWAYS	B77W	A7BEG	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
15/02/2023	AIR FRANCE	A359	FHTYS	AFR 722	FCBBB	LFPG	TAKUM	MIMBA	340/400	7.494	23.68

15/02/2023	EMIRATE AIRLINE	B77W	A6ENK	UAE 9FE	OMDB	DGAA	GATAG	POLTO	380	7.494	23.68
15/02/2023	AIR PORTUGAL	A339	CSTUP	TAP 288	FNLU	LPPT	TAKUM	MIMBA	380	7.494	23.68
15/02/2023	EGYPT AIRLINE	B738	SUGJ	MSR 881	HECA	DGAA	GATAG	POLTO	340	7.494	23.68
15/02/2023	ETHIOPIAN AIRLINE	B788	ETATK	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
15/02/2023	REGOURD AVIATION	FA10	FGI OH	FGIPH	FKKR	DAAJ	EBIMU	ENBUT	400	15.522	49.05
15/02/2023	ROYAL DUTCH AIRLINE	B77W	PHBVC	KLM 119	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
15/02/2023	EGYPT AIRLINE	B738	SUGEJ	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
15/02/2023	EMIRATE AIRLINE	B77W	A6ENK	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
15/02/2023	AIRLEC ESPACE	HS25B	FHICU	ARL 127	DAUG	FKYA	MIMBA	TAKUM	410	7.494	23.68
15/02/2023	QATAR AIRWAYS	B788	A7BCA	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
15/02/2023	CONDOR	B763	DABUF	CFG 2291	FACT	EDDF	TAKUM	MIMBA	340	7.494	23.68
15/02/2023	BRUSSELS AIRLINE	A333	OOSFC	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
15/02/2023	OCEANIC AIRLINE	A333	DAIKF	OCN143	FYWA	EDDF	EBIMU	ENBUT	360/380	15.522	49.05
15/02/2023	BRUSSELS AIRLINE	A333	OOSFE	BEL 358	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
15/02/2023	VIRGIN ATLANTIC	B789	GVFAN	VIR 450	FAOR	EGLL	TAKUM	MIMBA	380	7.494	23.68
15/02/2023	AIR FRANCE	A332	FGZCA	AFR 977	FOOL	LFPG	TAKUM	MIMBA	380	7.494	23.68
15/02/2023	LUFTHANS A	A333	DAIKK	DLH 561	FNLU	EDDF	TAKUM	MIMBA	380/400	7.494	23.68
15/02/2023	BRITISH AIRWAYS	A35K	GXWBA	BAW 43	EGLL	FACT	ENBUT	EBIMU	350	15.522	49.05
15/02/2023	ETHIOPIAN AIRLINE	A359	ETAUC	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
15/02/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
15/02/2023	ETHIOPIAN AIRLINE	B787	ETATC	ETH 908	GABS	HAAB	GANDA	ETRIS	390/410	46.032	145.46

15/02/2023	MIDDLE EAST AIRLINE	A332	ODMEC	MEA 576	DGAA	OLBA	POLTO	KELAK	370	153.08	483.74
15/02/2023	QATAR AIRWAYS	B77W	A7BAE	QTR 774	SBGR	OTHH	POLTO	KELAK	350/330	153.08	483.74
15/02/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
15/02/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
15/02/2023	SAOTOME	A320	LZMDK	STP 507	LPPT	FPST	TENTU	LIREX	390	153.08	483.74
15/02/2023	WESTLINK	CL60	5NPDA	5NPDA	FCBB	DBBB	BIPIV	KIPSA	400	30.509	96.408
16/02/2023	ROYAL AIR MAROC	B738	CNROS	RAM 297	GMMN	FCBB	BOVDA	OBUDU	370	99.557	314.6
16/02/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 509	GMMN	FKYS	BOVDA	OBUDU	350	99.557	314.6
16/02/2023	AIR FRANCE	B77L	FGSPQ	AFR 928	LFPG	FNLU	MIMBA	TAKUM	350/370	7.494	23.68
16/02/2023	AIR FRANCE	A359	FHTYB	AFR 756	FZAA	LFPG	EBIMU	ENBUT	360	15.522	49.05
16/02/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH 8698	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
16/02/2023	AILEC AIR ESPACE	H25B	FHICU	ARL127	FKYS	DAUG	TAKUM	MIMBA	400	7.494	23.68
16/02/2023	ROYAL AIR MAROC	B738	CNR0S	RAM 296	FZAA	GMMN	OBUDU	BOVDA	360/380	99.557	314.6
16/02/2023	GOVERNMENT OF COTE D'IVOIRE	GLF4	TUVAG	IVORY 02	DIAP	HAAB	POLTO	GATAG	410	7.494	23.68
16/02/2023	EMIRATE	B77W	A6EBN	UAE797	OMDB	GUCY	GATAG	POLTO	300/320	7.494	23.68
16/02/2023	EMIRATE	B77N	A6EPH	UAE9FE	OMDB	DGAA	GATAG	POLTO	320	7.494	23.68
16/02/2023	ETHIOPIAN AIRLINE	A359	ETAVB	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
16/02/2023	ETHIOPIAN AIRLINE	B788	ETAOR	ETH 934	DIAP	HAAB	POLTO	GATAG	410	7.494	23.68
16/02/2023	ETHIOPIAN AIRLINE	B788	ETATK	ETH 908	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
16/02/2023	EMIRATE	B774	AOEWB	UAE 248	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74

16/02/2023	EMIRATE	A388	A6EVH	UAE 262	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74
16/02/2023	ETHIOPIAN AIRLINE	B788	ETATJ	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
16/02/2023	ETHIOPIAN AIRLINE	A359	ETAWN	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
16/02/2023	QATAR AIRWAYS	B77W	A7BEI	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
16/02/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 513	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
16/02/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH 8604	GABS	HAAB	GANDA	ETRIS	350	46.032	145.46
16/02/2023	QATAR AIRWAYS	B77L	A7BFE	QTR 8564	OTHH	DGAA	GATAG	POLTO	320	7.494	23.68
16/02/2023	COTAM	FA7X	FRAFB	CTM 3805	FCBB	LFPV	TAKUM	MIMBA	380	7.494	23.68
16/02/2023	AIR FRANCE	A332	FGZCK	AFR 901	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
16/02/2023	EMIRATE	B77W	A6EPH	UAE 788	DGAA	OMDB	POLTO	KELAK	330	153.08	483.74
16/02/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 267	GMMN	FOOL	TENTU	ARDEX	390	137.56	434.69
16/02/2023	ROYAL AIR MAROC	B738	CNROY	RAM 262	FGSL	GMMN	ARDEX	TENTU	360	137.56	434.69
16/02/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 266	FOOL	GMMN	BIPIV	TENTU	360	0	0
16/02/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
16/02/2023	ASKY	B737	ETAYU	SKK075	FOOL	DXXX	BIPIV	KIPSA	380	30.509	96.408
16/02/2023	CEIBA LINE	B735	ETAMR	CEL 358	DXXX	FOOL	KIPSA	BIPIV	390	30.509	96.408
16/02/2023	MAURITANI AN AIRLINES	A322	LZMDF	MAI 147	FOOL	DBBB	BIPIV	KIPSA	340	30.509	96.408
16/02/2023	EMIRATE	B772	A6EFL	UAE9329	OMDB	DGAA	IKROP	POLTO	340	30.509	96.408
17/02/2023	QATAR AIRWAYS	B77W	A7BAE	QTR 780	SBGR	OTHH	POLTO	KELAK	230	153.08	483.74
17/02/2023	EMIRATE AIRLINE	B77W	A6ENP	UAE9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
17/02/2023	ETHIOPAIN AIRLINE	B788	ETAOP	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46

17/02/2023	EMIRATE AIRLINE	B788	A6EUTH	UAE 262	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74
17/02/2023	QATAR AIRWAYS	B77W	A7BAF	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
17/02/2023	ETHIOPAIN AIRLINE	B773	ETAQQ	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
17/02/2023	ETHIOPAIN AIRLINE	A359	ETAYB	ETH 920	DGAA	HAAB	POLTO	GATAG	410	7.494	23.68
17/02/2023	BRUSSELS AIRWAYS	A333	OOSFX	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
17/02/2023	ETHIOPAIN AIRLINE	A359	ETAVB	ETH 908	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
17/02/2023	EMIRATE AIRLINE	B77W	A6ENP	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
17/02/2023	ETHIOPAIN AIRLINE	B738	ETAVX	ETH 3911	HAAB	DXXX	IKROP	POLTO	360	30.509	96.408
17/02/2023	AIR COTE D'IVOIRE	A320	TUTSU	VRE 825	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
17/02/2023	ETHIOPAIN AIRLINE	B788	ETARF	ETH 508	HAAB	DGAA	ARDEX	LIREX	400	137.56	434.69
17/02/2023	RWANDAIR	B738	9XRWR	RWD 216	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
17/02/2023	WESTLINK AIRLINES	CL60	5NPDA	5NPDA	DBBB	FCBB	KIPSA	BIPIV	390	30.509	96.408
17/02/2023	RWANDAIR	B738	9XRWR	RWD 217	DBBB	DXXX	KIPSA	BIPIV	370	30.509	96.408
17/02/2023	CEIBA LINE	B738	ETAWR	CEL 358	DXXX	FOOL	KIPSA	BIPIV	390	30.509	96.408
18/02/2023	AIR FRANCE	A359	FHTYL	AFR 770	FZAA	LFPG	EBIMU	ENBUT	380	15.522	49.05
18/02/2023	ROYAL AIR MOROC	B738	CNROT	RAM 265	GMMN	FZAA	BOVDA	OBUDU	370/390	99.557	314.6
18/02/2023	ROYAL AIR MOROC	B738	CNROH	RAM 507C	GMMN	FKKD	BOVDA	OBUDU	370/390	99.557	314.6
18/02/2023	ROYAL DUTCH AIRLINE	B77N	PHBVS	KLM 104	FACT	EHAM	EBIMU	ENBIMU	340	15.522	49.05
18/02/2023	MEA	A332	ODMEE	MEA 575	OLBA	DGAA	KELAK	POLTO	400	153.08	483.74

18/02/2023	ETHIOPIAN AIRLINE	B738	ETAWC	ETH 3916	DIAP	HAAB	POLTO	GATAG	410	7.494	23.68
18/02/2023	EMIRATE AIRLINE	B77W	A6EPD	UAE9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
18/02/2023	EGYPT AIR	A333	SUGDU	MSR 881	HCCA	DGAA	GATAG	POLTO	360	7.494	23.68
18/02/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
18/02/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
18/02/2023	ETHIOPIAN AIRLINE	B738	ETAPK	ETH 8697	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
18/02/2023	MIDDLE FAST AIRLINE	A332	ODMEE	MEA 576	DGAA	OLBA	POLTO	KELAK	390	153.08	483.74
18/02/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 509	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
18/02/2023	EGYPT AIR	A330	SUGDU	MSR 882	DGAA	HTCA	POLTO	GATAG	390	7.494	23.68
18/02/2023	ROYAL MOROCAN FLEET	B738	CNMVI	FRV 1203	LFPB	FOOL	BOVDA	OBUDU	370	99.557	314.6
18/02/2023	SPEED BIRD	A338	GXLEC	BAW 55K	EGLL	FAOR	MIMBA	TAKUM	370	7.494	23.68
18/02/2023	TURKISH AIRLINES	B38M	TCLCK	THY 91J	LTFM	FKYS	MIMBA	TAKUM	350	7.494	23.68
18/02/2023	QATAR AIRWAYS	B788	A7BCS	QTR 1424	DGAA	OTHH	POLTO	GATAG	370	7.494	23.68
18/02/2023	BEE' LINE	A333	OOSFB	BEL 379	FKYS	EBBR	TAKUM	MIMBA	340	7.494	23.68
18/02/2023	BRITISH AIRWAYS	B772	GYMMI	BAW 58L	FACT	EGLL	EBIMU	ENBUT	360	15.522	49.05
18/02/2023	QATAR AIRWAYS	B788	A7BCA	QTR 1423	OTHH	DGAA	GATAG	POLTO	400	7.494	23.68

18/02/2023	ETHIOPIAN AIRLINE	A359	ETAWO	ETH 920	DGAA	HAAB	POLTO	GATAG	370	7.494	23.68
18/02/2023	EMIRATE AIRLINE	B77W	A6EPD	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
18/02/2023	ROYAL AIR MOROC	B738	CNROL	RAM 267	GMMN	FOOL	TENTU	BIPIV	370	0	0
18/02/2023	QATAR AIRWAYS	B788	A7BAI	QTR 779	OTHH	SBGR	ARDEX	EDUKO	320	145.05	458.37
18/02/2023	ROYAL AIR MOROC	B738	CNROL	RAM 266	FOOL	GMMN	BIPIV	TENTU	360	0	0
18/02/2023	ETHIOPIAN AIRLINE	B788	ETAJJ	ETH 512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
18/02/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
18/02/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH 916	DBBB	HAAB	POLTO	IKROP	350	30.509	96.408
18/02/2023	QATAR AIRWAYS	B77W	A7BAM	QTR 773	OTHH	SBGR	ARDEX	EDUKO	320	145.05	458.37
18/02/2023	... AVIATION MAURITANIA	GLF4	N272TX	DUC 300	FOOL	GMME	BIPIV	TENTU	430	0	0
18/02/2023	ETHIOPIAN AIRLINE	B737	ETASH	ETH 516	HAAB	DXXX	IKROP	POLTO	430	30.509	96.408
19/02/2023	AIR FRNACE	B77W	FGSQV	AFR 990	LFPG	FAOR	MIMBA	TAKUM	330/350	7.494	23.68
19/02/2023	ROYAL AIR MAROC	B738	CNRGM	RAM 285	GMMN	FKKD	BOVDA	OBUDU	350	99.557	314.6
19/02/2023	VIRGIN ATLANTIC	B789	GVAHH	VIR 449	EGLL	FAOR	MIMBA	TAKUM	370	7.494	23.68
19/02/2023	ROYAL AIR MAROC	B738	CNRGM	RAM284	FKKD	GMMN	OBUDU	BOVDA	360	99.557	314.6
19/02/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 909	HAAB	GABS	ETRIS	GANDA	400/380	46.032	145.46
19/02/2023	TITAN AIRWAYS	A321	GXATW	AWC 341	DXXX	OEJN	POLTO	KELAK	350	153.08	483.74

19/02/2023	EMIRATE AIRLINE	B77W	A6ENT	UAE 9FE	OMBD	DGAA	KELAK	POLTO	340/360	153.08	483.74
19/02/2023	ETHIOPIAN AIRLINE	B788	ETA 00	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
19/02/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
19/02/2023	IVORY COAST	GLF4	TUVAC	IVORY 02	HAAB	DIAP	GATAG	POLTO	380	7.494	23.68
19/02/2023	EMIRATE AIRLINE	B77W	A6ENT	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
19/02/2023	QATAR AIRWAYS	B788	A7BDB	QTR 1424	DGAA	OTHH	POLTO	GATAG	390	7.494	23.68
19/02/2023	GOVERNMENT OF GHANA	F900	9GEXE	GHA 001	HAAB	DGAA	GATAG	POLTO	340	7.494	23.68
19/02/2023	ROYAL AIR MOROC	B738	CNROU	RAM 263	GMMN	FGSL	TENTU	ARDEX	370	137.56	434.69
19/02/2023	QATAR AIRWAYS	B77W	A7BAI	QTR 779	OTHH	SBGR	ARDEX	EDUKO	340	145.05	458.37
19/02/2023	AIR COTE D'IVOIRE	A320	TUTSV	VRE 825	FOOL	DBBB	BIPIV	KIPSA	340	30.509	96.408
19/02/2023	FRENCH AIR FORCE	C235	FRAHE	CTM 1211	DRRN	FOOL	TENTU	BIPIV	150	0	0
19/02/2023	ETHIOPIAN AIRLINE	B788	ETAOQ	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
19/02/2023	QATAR AIRWAYS	B777	A6BAF	QTR 773	OTHH	SBGR	ARDEX	EDUKO	320	153.08	483.74
19/02/2023	SAOTOME	A320	LZMDK	STP 507	LPPT	FPST	TENTU	ARDEX	360	137.56	434.69
19/02/2023	FRENCH AIR FORCE	C235	FRAHE	CTM 1211	FOOL	DRRN	BIPIV	TENTU	160	0	0
20/02/2023	AIR PORTUGAL	A359	CSTUK	TAP 281	LPPT	FQMA	MIMBA	TAKUM	350	7.494	23.68
20/02/2023	ROYAL AIR MAROC	B783	CNROU	RAM 509	GMMN	FKKD	BOVDA	OBUDU	370/350	99.557	314.6
20/02/2023	LUFTHANS A	B748	DABYP	DLH 572	EDDF	FAOR	MIMBA	TAKUM	330	7.494	23.68
20/02/2023	AIR FRANCE	B77W	FGSQI	AFR 990	LFPG	FAOR	ENBUT	EBUMA	330	15.522	49.05
20/02/2023	BRITISH AIRWAYS	B772	GYMMD	BAW 2041	EGKK	FACT	ENBUT	EBUMA	350	15.522	49.05
20/02/2023	VIRGIN ATLANTIC	B789	GVBEL	VIR 449	EGLL	FAJS	MIMBA	TAKUM	370	7.494	23.68

20/02/2023	EGYPT AIR	B738	SUGED	MSR 881	HEZA	DGAA	KELAK	POLTO	360	153.08	483.74
20/02/2023	EMIRATE AIRLINE	B77W	A6EPS	UAE 9FE	OMBD	DGAA	GATAG	POLTO	340	7.494	23.68
20/02/2023	VISTA JET	GLEX	9HBJW	VJT 1968	HAAB	GFL	GATAG	POLTO	430	7.494	23.68
20/02/2023	ETHIOPIAN AIRLINE	B788	ETATH	ETH 909	HAAB	GABS	ETRIS	GANDA	360	46.032	145.46
20/02/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 908	GABS	HAAB	GANDA	ETRIS	370	46.032	145.46
20/02/2023	ETHIOPIAN AIRLINE	A359	ETAYM	ETH 920	DGAA	HAAB	POLTO	GATAG	370	7.494	23.68
20/02/2023	EGYPT AIR	B738	SUGED	MSR 882	DGAA	HECA	POLTO	GATAG	330	7.494	23.68
20/02/2023	ROYAL DUCH AIR	B77W	PHBVK	KLM 119	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
20/02/2023	AIR FRANCE	A332	FGZCA	AFR 900	LFPG	FKYS	MIMBA	TAKUM	390	7.494	23.68
20/02/2023	EMIRATE AIRLINE	B773	A6EPS	UAE 788	DGAA	OMBD	POLTO	KELAK	350	153.08	483.74
20/02/2023	BRUSSELS AIRLINE	A333	OOSFE	BEL 369	FKYS	EBBR	TAKUM	MIMBA	340	7.494	23.68
20/02/2023	AIR FRANCE	A332	FGZCA	AFR 901	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
20/02/2023	ROYAL AIR MOROC	B738	CNROH	RAM 297	GMMN	FOOL	TENTU	BIPIV	370	0	0
20/02/2023	ROYAL AIR MOROC	B738	CNMAX	RAM 291	GMMN	FNLU	TENTU	BIPIV	370	0	0
20/02/2023	ROYAL AIR MOROC	B738	CNRGE	RAM 266	GMMN	FPOOL	TENTU	BIPIV	350	0	0
20/02/2023	ASKY	B737	ETANG	SKK 9206	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
20/02/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
20/02/2023	ETHIOPIAN AIRLINE	B738	ETAQP	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
20/02/2023	ASKY	B738	ETANH	SKK 9207	DXXX	FEFF	POLTO	IKROP	260	30.509	96.408
20/02/2023	RWANDAIR	B738	9XRWG	RWD 217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
20/02/2023	CEIBA LINE	B738	ETAWR	CEL 446	FOOL	DXXX	BIPIV	KIPSA	380	30.509	96.408

21/02/2023	UNITED ARAB EMIRATE	B77W	A6ENV	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
21/02/2023	UNITED ARAB EMIRATE	B77W	A6ECO	UAE 797	OMDB	GUCY	GATAG	POLTO	360	7.494	23.68
21/02/2023	ETHIOPIAN AIRLINE	B789	ETAUO	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
21/02/2023	ETHIOPIAN AIRLINE	B77L	ETATH	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
21/02/2023	FRENCH AIRFORCE	C30J	FRAPP	CTM 1461	FTTJ	DIAP	GATAG	POLTO	260	7.494	23.68
21/02/2023	ETHIOPIAN AIRLINE	A359	ETAWP	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
21/02/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
21/02/2023	DASSAULT FALCON	FA8X	FOJMJ	DSO 29MJ	FCBB	LPPB	TAKUM	MIMBA	400	7.494	23.68
21/02/2023	ROYAL DUTCH AIRLINE	B77W	PHBVN	KLM 119	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
21/02/2023	TEU	GL5T	9HASB	TEU 9	FZAA	EGLF	EBIMU	ENBUT	430	15.522	49.05
21/02/2023	UNITED ARAB EMIRATE	B77W	A56ENU	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
21/02/2023	BRUSSELS AIRLINE	A333	OOSFX	BEL 379	FKYS	EBBR	TAKUM	MIMBA		7.494	23.68
21/02/2023	VIRGIN AIRLINE	B789	GVMAP	VIR 478	EGLL	FACT	ENBUT	ENBIMU	390	15.522	49.05
21/02/2023	AIR FRANCE	A332	FGZCM	AFR 775	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
21/02/2023	ETHIOPIAN AIRLINE	B788	ETATG	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
22/02/2023	CONDOR	B763	DABUC	CFJ 2290	EDDF	FACT	ENBUT	EBIMU	330	15.522	49.05
22/02/2023	EDELWEIS AIR	A343	HBJMD	EDW 86	LSZH	FACT	ENBUT	EBIMU	310	15.522	49.05
22/02/2023	BRUSSELS AIRLINE	A333	OOSFC	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	360	15.522	49.05
22/02/2023	AIR FRANCE	A359	FHTYC	AFR 722	FCBB	LFPG	TAKUM	MIMBA	380	7.494	23.68
22/02/2023	TURKISH AIRWAYS	B738	TCLCF	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68

22/02/2023	A O J	E135	ORITA	AOJ 91A	OEJN	DGAA	GATAG	POLTO	380	7.494	23.68
22/02/2023	MIDDLE EAST AIR	A332	ODMEC	MEA 575	OLBA	DGAA	KELAK	POLTO	380	153.08	483.74
22/02/2023	ETHIOPIAN AIRLINE	B77L	ETAOO	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
22/02/2023	EMIRATE AIR	B77W	A6ENG	UAE9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
22/02/2023	EGYPT AIR	B738	SUGED	MSR 881	HECA	DGAA	GATAG	POLTO	380	7.494	23.68
22/02/2023	THALAIR	E35L	FHBAN	TLJ 4345	FCBB	LFPB	EBIMU	ENBUT	380/400	15.522	49.05
22/02/2023	ETHIOPIAN AIRLINE	B789	ETAUO	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
22/02/2023	ETHIOPIAN AIRLINE	A359	ETAVE	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
22/02/2023	ETHIOPIAN AIRLINE	B38M	ETAWG	ETH 916	DBBB	HAAB	POLTO	GATAG	310	7.494	23.68
22/02/2023	ETHIOPIAN AIRLINE	B788	ETATG	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
22/02/2023	QATAR AIRWAYS	B77W	A7BEP	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
22/02/2023	MEA	A332	ODMEC	MEA 576	DGAA	OLBA	POLTO	KELAK	370	153.08	483.74
22/02/2023	ROYAL DUTCH AIRLINE	B77N	PHVBN	KLM 119	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
22/02/2023	EGYPT AIR	B738	5UGEI	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
22/02/2023	QATAR CARGO	B77L	A7BFS	QTR 8564	OTHH	DGAA	GATAG	POLTO	340	7.494	23.68
22/02/2023	AIR ALGERIA	B737	TTVKS	DAH 5782	DAAT	FCBB	ENBUT	EBIMU	390	15.522	49.05
22/02/2023	UNITED ARAB EMIRATE	B77W	A6ENG	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
22/02/2023	QATAR AIRWAYS	B788	A7BCW	QTR 1424	DGAA	OTHH	POLTO	KELAK	350/370	153.08	483.74
22/02/2023	BRUSSELS AIRLINE	A333	OOSFC	BEL 369	FKYS	EBBR	TAKUM	MIMBA	340/360	7.494	23.68
22/02/2023	QATAR AIRWAYS	B77W	A7BAC	QTR 779	OTHH	SBGR	ARDEX	EDUKO	320	145.05	458.37
22/02/2023	AIR COTE D'IVOIRE	A320	TUTSX	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408

22/02/2023	ETHIOPIAN AIRLINE	B38M	ETAWG	ETH 917	HAAB	DBBB	IKROP	POLTO	360	30.509	96.408
22/02/2023	ETHIOPIAN AIRLINE	B733	ETAWG	ETH 913	DBBB	HAAB	POLTO	GATAG	350	7.494	23.68
23/02/2023	ROYAL AIR MAROC	B738	CNROZ	RAM 297	GMMN	FKKD	BOVDA	OBUDU	370	99.557	314.6
23/02/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 267	GMMN	FOOL	BOVDA	OBUDU	370/350	99.557	314.6
23/02/2023	ASTRAL JET	E5L	OEILA	AOJ 910	DGAA	OMDW	POLTO	KELAK	390	153.08	483.74
23/02/2023	EDELWEISS AIRLINE	A343	HBJMB	EDW 84	LSZH	FACT	ENBUT	EBIMU	330	15.522	49.05
23/02/2023	ROYAL AIR MAROC	B738	CNRGV	RAM 509	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6
23/02/2023	EMIRATE AIRLINE	B77W	A6EPK	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
23/02/2023	EMIRATE AIRLINE	B77W	A6EBU	UAE 797	OMDB	GUCY	ETRIS	GANDA	320	46.032	145.46
23/02/2023	ETHIOPIAN AIRLINE	A359	ETAZI	ETH 920	DGAA	HAAB	POLTO	GATAG	370	7.494	23.68
23/02/2023	AIR ALGERIE	B737	7TVKT	DAH 5783	FCBB	DAAG	EBIMU	ENBUT	400	15.522	49.05
23/02/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
23/02/2023	ETHIOPIAN AIRLINE	B788	ETAOQ	ETH 934	DIAP	HAAB	POLTO	GATAG	370	7.494	23.68
23/02/2023	ETHIOPIAN AIRLINE	B788	ETAOG	ETH 513	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
23/02/2023	NATIONAL AIRWAYS USA	B744	N952CA	NCR 817	DGAA	OMDW	POLTO	KELAK	390	153.08	483.74
23/02/2023	AIR FRANCE	A359	FHTYJ	AFR 722	LFPG	FZAA	ENBUT	EBIMU	350	15.522	49.05
23/02/2023	AIR FRANCE	A333	FGZCK	AFR 900	LFPG	FKYS	MIMBA	TAKUM	370/390	7.494	23.68
23/02/2023	EMIRATE AIRLINE	B77W	A6EPR	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
23/02/2023	ROYAL DUTCH AIRLINE	B789	PHBHD	KLM 595	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
23/02/2023	LUFTHANSA	B748	DABYL	DLH 573	FAOR	EDDF	TAKUM	MIMBA	340	7.494	23.68
23/02/2023	VIRGIN	B789	GUFAN	VIR 450	FAOR	EGLL	TAKUM	MIMBA	380	7.494	23.68

23/02/2023	ETHIOPIAN AIRLINE	B789	ETAXL	ET 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
23/02/2023	ROYAL AIR MAROC	B738	CNRGM	RAM 263	GMMN	FGSL	TENTU	ARDEX	350	137.56	434.69
23/02/2023	ROYAL AIR MAROC	B738	CNRGM	RAM 262	FGSL	GMMN	ARDEX	OPALA	380	84.034	265.55
23/02/2023	AIR COTE D'IVOIRE	A320	TUTSV	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
23/02/2023	MAURITANI AN AIRLINES	A321	LZMDL	MAI 146	GABS	FOOL	KIPSA	BIPIV	330	30.509	96.408
23/02/2023	NATIONAL AIRWAYS USA	B744	N952CA	NCR 817	DGAA	OMDW	POLTO	KELAK	390	153.08	483.74
23/02/2023	MAURITANI AN AIRLINES	A321	LZMDL	MAI 147	FOOL	DBBB	BIPIV	KIPSA	320	30.509	96.408
24/02/2023	BRITISH AIRWAYS	A388	GXLED	BAW 55K	EGLL	FAOR	ENBUT	EBIMU	350	15.522	49.05
24/02/2023	BRITISH AIRWAYS	A388	GXLEF	BAW 56	FAOR	EGLL	EBIMU	ENBUT	380	15.522	49.05
24/02/2023	AIR FRANCE	A332	FGZCK	AFR 901	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
24/02/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 285	GMMN	FKKD	BOVDA	OBUDU	350	99.557	314.6
24/02/2023	BRITISH AIRWAYS	A388	GXLEL	BAW 54	FAOR	EGLL	EBIMU	ENBUT	380/400	15.522	49.05
24/02/2023	CFG	B763	DABUF	CFG 2290	EDDF	FACT	ENBUT	EBIMU	350	15.522	49.05
24/02/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 284	FKKD	GMMN	OBUDU	BOVDA	390	99.557	314.6
24/02/2023	BRITISH AIRWAYS	B772	GYMMT	BAW 59	EGLL	FACT	ENBUT	EBIMU	350	15.522	49.05
24/02/2023	FRENCH AIRFORCE	A332	FUJCJ	CMT 1045	FOOL	DRRN	OBUDU	BOVDA	360	99.557	314.6
24/02/2023	EMIRATE AIRLINE	B77W	A6EPI	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
24/02/2023	EMIRATE AIRLINE	B77W	A6ECV	UAE795	OMDB	GUCY	ETRIS	GANDA	340	46.032	145.46
24/02/2023	EGYPT AIR	B738	ETAOP	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
24/02/2023	ETHIOPIAN AIRLINE	B789	ETAXL	ETH 908	GABS	HAAB	GANDA	ETRIS	370	46.032	145.46

24/02/2023	ETHIOPIAN AIRLINE	A359	ETAVC	ETH 934	DIAP	HAAB	POLTO	GATAG	410	7.494	23.68
24/02/2023	ETHIOPIAN AIRLINE	B778	ETAST	ETH 916	DBBB	HAAB	POLTO	GATAG	350	7.494	23.68
24/02/2023	QATAR AIRWAYS	B77W	A7BEK	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
24/02/2023	ETHIOPIAN AIRLINE	A359	ETAUB	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
24/02/2023	ROYAL DUTCH AIRLINE	B77W	PHBVC	KLM 119	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
24/02/2023	EMIRATE AIRLINE	B77W	A6EPI	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
24/02/2023	QATAR AIRWAYS	B788	A7BCE	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
24/02/2023	DASAULT FALCONE	FAGX	FOJMJ	DSO 24MJ	LFPG	FCBB	ENBUT	EBIMU	430	15.522	49.05
24/02/2023	AIR ALGERIE	B737	ZTVKS	DAH 5782	DAAG	FCBB	ENBUT	EBIMU	390	15.522	49.05
24/02/2023	ZAT HOLDING	GLEX	MARVA	MARVA	HESH	DGAA	KELAK	POLTO	400	153.08	483.74
24/02/2023	BRUSSELS AIRLINE	A333	OOSFD	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
24/02/2023	VIRGIN ATLANTIC	B789	GVBOW	VIR 450	FAOR	EGLL	TAKUM	MIMBA	360/380	7.494	23.68
24/02/2023	LYNX JET	GV	MMBLY	MMBLY	HESH	DGAA	KELAK	POLTO	400	153.08	483.74
24/02/2023	UNITED EAGLE	F900	N888LG	N888LG	FZAA	LSGG	TAKUM	MIMBA	380	7.494	23.68
24/02/2023	AIR COTE D'IVOIRE	A320	TUTSV	VRE825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
24/02/2023	ETHIOPIAN AIRLINE	B788	ETAGL	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
24/02/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
24/02/2023	RWANDAIR	B738	9XRWR	RWD 216	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
25/02/2023	AIR FRANCE	A359	FHTYP	AFR 770	FZAA	LFPG	TAKUM	MIMBA	380	7.494	23.68
25/02/2023	ROYAL AIR MAROC	B38M	CNMAX	RAM 291	GMMN	FNLU	BOVDA	OBUDU	370	99.557	314.6
25/02/2023	ROYAL AIR MAROC	B738M	CNMRN	RAM 507C	GMMN	FKKD	BOVDA	OBUDU	350	99.557	314.6

25/02/2023	ROYAL AIR MAROC	B738	CNROU	RAM 265	GMMN	FZAA	BOVDA	OBUDU	370	99.557	314.6
25/02/2023	VISTA JET	GLEX	9HCFD	VJT 570	DIAP	HECA	POLTO	KELAK	370	153.08	483.74
25/02/2023	ROYAL AIR MAROC	B738	CNRGH	RAM 267	GMMN	FOOL	BOVDA	OBUDU	370	99.557	314.6
25/02/2023	ROYAL DUTCH AIRLINE	B773	PHBVC	KLM 104	FACT	EHAM	TAKUM	MIMBA	320/340	7.494	23.68
25/02/2023	MIDDLE EAST AIRLINE	A332	ODME	MEA 575	OLBA	DGAA	KELAK	POLTO	380	153.08	483.74
25/02/2023	ROYAL AIR MAROC	B738	CNRGY	RAM 264	FZAA	GMMN	OBUDU	BOVDA	360	99.557	314.6
25/02/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3954	DXXX	HAAB	POLTO	GATAG	400	7.494	23.68
25/02/2023	ASKY AIRLINES	B737	ETAVP	SKK 033	FTTJ	DXXX	KELAK	POLTO	400	153.08	483.74
25/02/2023	EMIRATE AIRLINE	B77W	A6ELD	UAE 797	OMDB	GUCY	ETRIS	GANDA	320/340	46.032	145.46
25/02/2023	EGYPT AIRLINE	B738	SUGEL	MSR 881	HECA	DGAA	GATAG	POLTO	360/380	7.494	23.68
25/02/2023	EMIRATE AIRLINE	B77W	AGEGN	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
25/02/2023	ETHIOPIAN AIRLINE	B789	EATVO	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
25/02/2023	EMIRATE AIRLINE	A388	A6EUK	UAE 262	SBGR	OMDB	POLTO	KELAK	370/390	153.08	483.74
25/02/2023	AIR PORTUGAL	A339	CSTUJ	TAP 282	FQMA	LPPT	TAKUM	MIMBA	400	7.494	23.68
25/02/2023	ETHIOPIAN AIRLINE	B38M	ETAVM	ETH 916	DBBB	HAAB	POLTO	GATAG	350/370	7.494	23.68
25/02/2023	ETHIOPIAN AIRLINE	A359	ETAZI	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
25/02/2023	QATAR AIRWAYS	B77W	A7BEX	QTR 774	SBGR	OTHH	POLTO	GATAG	350/330	7.494	23.68
25/02/2023	MEA	A332	ODMEE	MEA 576	DGAA	OLBA	POLTO	KELAK	350/370	153.08	483.74
25/02/2023	ETHIOPIAN AIRLINE	B788	ETATL	ETH 509	DXXX	HAAB	POLTO	GATAG	430	7.494	23.68
25/02/2023	EGYPT AIRLINE	B738	SUGEC	MSR 882	DGAA	HECA	POLTO	KELAK	350/370	153.08	483.74

25/02/2023	AIR OCEANIC MAROC	HS25B	CNJMB	CNJMB	DRRN	FCBB	BOVDA	OBUDU	390	99.557	314.6
25/02/2023	EMIRATE AIRLINE	B773	A6EGN	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
25/02/2023	QATAR AIRWAYS	B788	A7BCT	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
25/02/2023	BRUSSELS AIRLINE	A333	OOSFF	BEL 379	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
25/02/2023	VIRGIN ATLANTIC	B789	GVBZZ	VIR 450	FAOR	EGLL	TAKUM	MIMBA	380	7.494	23.68
25/02/2023	AIR ALGERIA	B737	7TVKS	DAH 5783	FCBB	DAAG	EBIMU	ENBUT	380	15.522	49.05
25/02/2023	AIR FRANCE	A332	FGZCK	AFR 775	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
25/02/2023	ROYAL DUTCH AIRLINE	B789	PHBHD	KLM 595	EHAM	FACT	ENBUT	ENBUT	350	15.522	49.05
25/02/2023	VIRGIN ATLANTIC	B789	GVMAP	VIR 478	EGLL	FACT	ENBUT	EBIMU	370	15.522	49.05
25/02/2023	GLOBAL JET LUXEMBURG	FA78	LXEBO	SVW 77EB	FEFF	DXNE	GADUV	GANDA	400	61.019	192.82
25/02/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3955	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
25/02/2023	ETHIOPIAN AIRLINE	B738	ETAOV	ETH 516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
25/02/2023	ETHIOPIAN AIRLINE	B738	ETARF	ETH 512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
25/02/2023	ETHIOPIAN AIRLINE	B738	ETAVM	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
25/02/2023	ETHIOPIAN AIRLINE	B788	ETAWM	ETH 934	DIAP	HAAB	LIREX	IKROP	390	107.1	338.28
25/02/2023	ETHIOPIAN AIRLINE	A359	ETAZI	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
25/02/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3907	HAAB	DXXX	IKROP	POLTO	360	30.509	96.408
26/02/2023	ETHIOPIAN AIRLINE	B77L	EATWE	ETH 3652	DXXX	HAAB	POLTO	GATAG	330	7.494	23.68
26/02/2023	AIR FRANCE	A359	FHTYI	AFR 722	FCBB	LFPG	TAKUM	MIMBA	380	7.494	23.68
26/02/2023	ROYAL DUTCH AIRLINE	B77W	PHBVV	KLM 592	FAOR	EHAM	TAKUM	MIMBA	340	7.494	23.68

26/02/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 285	EGLL	FKKD	BOVDA	OBUDU	350	99.557	314.6
26/02/2023	QATAR AIRWAYS	B788	A7BCM	QTR 1423	OTHH	DGAA	GATAG	POLTO	400	7.494	23.68
26/02/2023	QATAR AIRWAYS	B77W	A7BAF	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
26/02/2023	ASKY AIRLINES	B738	ETAXI	SKK 039	FTTJ	DXXX	KELAK	POLTO	380	153.08	483.74
26/02/2023	ETHIOPIAN AIRLINE	A359	ETAVD	ETH 909	HAAB	GABS	ETRIS	GANDA	380/400	46.032	145.46
26/02/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 284	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6
26/02/2023	QATAR AIRWAYS	B77L	A7BFL	QTR 8066	OTHH	DGAA	GATAG	POLTO	360	7.494	23.68
26/02/2023	EMIRATE AIRLINE	A388	A6EUE	UAE 262	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74
26/02/2023	ETHIOPIAN AIRLINE	A359	ETAWO	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
26/02/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 513	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
26/02/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
26/02/2023	QATAR AIRWAYS	B77W	A7BUE	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
26/02/2023	AIR FRANCE	A359	FHTYH	AFR 770	LFPG	FZAA	ENBUT	EBIMU	390	15.522	49.05
26/02/2023	GOVT OF ARC	B739	FTRDC	DRC 001	FZAA	LSGG	TAKUM	MIMBA	340	7.494	23.68
26/02/2023	AMBURN OAK NIG	FA8X	MOEPL	MOEPL	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
26/02/2023	EMIRATE AIRLINE	B77W	A6ENN	UAE 788	DGAA	OMDB	POLTO	KELAK	390	153.08	483.74
26/02/2023	QATAR AIRWAYS	B788	A7BCM	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
26/02/2023	BRUSSELS AIRLINE	A333	OOSFE	BEL 383	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
26/02/2023	AIR FRANCE	A332	FGZCM	AFR 901	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
26/02/2023	EMIRATE AIRLINE	B77W	A6ECH	UAE 795	OMDB	GUCY	ETRIS	GANDA	340	46.032	145.46
26/02/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE 825	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408

26/02/2023	ETHIOPIAN AIRLINE	B788	ETAOR	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
26/02/2023	EMIRATE AIRLINE	B77W	A6ENN	UAE 9FE	OMDB	DGAA	IKROP	POLTO	360	30.509	96.408
26/02/2023	ANGOLA GOVT.	GLEX	D2ANH	DTA 02	FNLU	LPPT	BIPIV	TENTU	400	0	0
27/02/2023	ROYAL AIR MAROC	B738	CNRNU	RAM 297	GMMN	FCCB	BOVDA	OBUDU	370	99.557	314.6
27/02/2023	AIR PORTUGAL	A339	CSTUC	TAP 281	LPPT	FQMA	MIMBA	TAKUM	370	7.494	23.68
27/02/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 509	GMMN	FKYS	BOVDA	OBUDU	350	99.557	314.6
27/02/2023	ROYAL AIR MAROC	B73M	CNMAX	RAM 291	GMMN	FNLU	BOVDA	OBUDU	370	99.557	314.6
27/02/2023	ROYAL AIR MAROC	B738	CNRGH	RAM 267	GMMN	FOOL	BOVDA	OBUDU	350	99.557	314.6
27/02/2023	LUFTHANS A	B748	DABYS	DLH 572	EDDF	FAOR	ENBUT	EBIMU	350	15.522	49.05
27/02/2023	EUROWING S DISCOVER	A343	HBJMF	EDW 84	LSZH	FACT	ENBUT	EBIMU	330	15.522	49.05
27/02/2023	QATAR EXECUTIVE	GLF6	A7CGG	QQE 890	FALA	LFPB	TAKUM	MIMBA	430	7.494	23.68
27/02/2023	TURKISH AIR	B38M	TCTCA	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
27/02/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 509	FKKD	GMMN	OBUDU	BOVDA	340/360	99.557	314.6
27/02/2023	QATAR AIRWAYS	B77W	A7BEN	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
27/02/2023	EGYPT AIR	B738	SUGEI	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
27/02/2023	ETHIOPIAN AIRLINE	A359	ETAWM	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
27/02/2023	ETHIOPIAN AIRLINE	B738	ETAPK	ETH 8602	FEFF	DRRN	GADUV	BOVDA	380	76.541	241.57
27/02/2023	ETHIOPIAN AIRLINE	B38M	ETAWJ	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
27/02/2023	ETHIOPIAN AIRLINE	A359	ETAVC	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
27/02/2023	ETHIOPIAN AIRLINE	A359	DETAYB	ETH 920	DGAA	HAAB	POLTO	GATAG	370/390	7.494	23.68
27/02/2023	QATAR AIRWAYS	B77W	A7BEJ	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74

27/02/2023	ETHIOPIAN AIRLINE	B788	ETAOR	ETH 509	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
27/02/2023	EGYPT AIRLINE	B738	SUGEI	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
27/02/2023	QATAR CARGO	B77L	A7BFR	QTR 8098	OTHH	DGAA	GATAG	POLTO	320	7.494	23.68
27/02/2023	EMIRATE AIRLINE	B77W	A6EGM	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
27/02/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3920	DFFD	HAAB	GANDA	ETRIS	410	46.032	145.46
27/02/2023	BRUSSELS AIRLINE	A333	OOSFX	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
27/02/2023	AIR FRANCE	A332	FGZCC	AFR 901	FKYS	LFPG	TAKUM	MIMBA	340	7.494	23.68
27/02/2023	ETHIOPIAN AIRLINE	B788	ETARE	ETH 516	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
27/02/2023	EMIRATE AIRLINE	B77W	A6EGM	UAE 9FE	OMDB	DGAA	IKROP	POLTO	360	30.509	96.408
27/02/2023	ETHIOPIAN AIRLINE	B738	ETAWJ	ETH 917	HAAB	DBBB	IKROP	POLTO	360	30.509	96.408
27/02/2023	RWANDAIR	B737	9XRWG	RWD 216	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
27/02/2023	CEIBA LINE	B738	ETAWR	CEL 446	FOOL	DXXX	BIPIV	KIPSA	380	30.509	96.408
27/02/2023	RWANDAIR	B738	9XRWG	RWD 217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
27/02/2023	SAOTOME	B763	CSTST	STP 508	FSTP	LPPT	LIREX	TENTU	340	153.08	483.74
28/02/2023	ETHIOPIAN AIRLINE	B738	ETAPK	ETH 8603	DRRN	FEFFT	BOVDA	GADUV	350	76.541	241.57
28/02/2023	EMIRATE AIRLINE	B77W	A6EPM	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
28/02/2023	EMIRATE AIRLINE	B77W	A6EGH	UAE 797	OMDB	GUCY	ETRIS	GANDA	340	46.032	145.46
28/02/2023	ETHIOPIAN AIRLINE	B789	ETAUP	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
28/02/2023	CZECH AIR FORCE	B295	OY5Y	CEF 610	DGLE	FTTJ	POLTO	KELAK	170	153.08	483.74
28/02/2023	EMIRATE AIRLINE	A388	A6EUH	UAE 262	SBGR	OMDB	POLTO	GATAG	370/390	7.494	23.68
28/02/2023	ETHIOPIAN AIRLINE	A359	ETAWM	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46

28/02/2023	DASULT FALCONE	FA8X	MWAFA	MWAFA	FCCB	EGGW	TAKUM	MIMBA	400	7.494	23.68
28/02/2023	ETHIOPIAN AIRLINE	B788	EZARE	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
28/02/2023	ETHIOPIAN AIRLINE	A359	ETAYM	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
28/02/2023	QATARI	B77W	A7BEX	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
28/02/2023	AIR FRANCE	A359	FHTYL	AFR 722	LFPG	FZAA	ENBUT	EBIMU	390	15.522	49.05
28/02/2023	C E F	C295	0454	CEF 610	FTTJ	` DGLE	KELAK	POLTO	160	153.08	483.74
28/02/2023	HERON AVIATION	F900	DAHER	HRN 511	EBBR	FZAA	ENBUT	EBIMU	390/410	15.522	49.05
28/02/2023	U A E	B773	A6EPM	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
28/02/2023	ROYAL AIR MAROC	B738	CMMUI	FRV 1203	LFPB	FOOL	BOVDA	OBUDU	390	99.557	314.6
28/02/2023	BRUSSELS AIRLINE	A333	OOSFE	BEL 379	FKYS	EBBR	TAKUM	MIMBA	320/340	7.494	23.68
28/02/2023	AIR FRANCE	A332	FGZCC	AFR 775	FKYS	LFPG	TAKUM	MIMBA	320/360	7.494	23.68
28/02/2023	ETHIOPIAN AIRLINE	B788	ETANG	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408

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KANO FIR OVER FLIERS CO2 EMISSION SAVINGS (FUEL SAVINGS) PER ROUTE LEG BASED ON FREE ROUTE AIRSPACE CONCEPT FOR MARCH 2023 – CRITICAL AIRCRAFT – B737

DATE dd/mm/ yyyy	OPERATOR	ACFT TYPE	REG.	Call Sign	Dept. Point	Dest.	Entry Point	Exit Point	LVL/ S	Fuel Savin gs Per Route Leg (Kg)	CO ₂ Savin gs Per Route Leg (Kg)
01/03/2023	BRUSSELS AIRLINE	A333	OOSFG	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	360/380	15.522	49.05
01/03/2023	EDELWEISS AIRLINE	A346	HBJME	EDW 86	LSZH	FACT	ENBUT	EBIMU	350	15.522	49.05
01/03/2023	TURKISH AIRLINE	A332	TCJNC	THY 672	FZAA	LTFM	TAKUM	MIMBA	380	7.494	23.68
01/03/2023	TURKISH AIRLINE	B38M	TCLCO	THY8H W	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68

01/03/2023	MIDDEL EAST AIRLINE	A332	CDMEA	MEA 575	OLBA	DGAA	KELAK	POLTO	360	153.08	483.74
01/03/2023	QATAR AIRWAYS	B777	A7BEO	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
01/03/2023	EMIRATE AIRLINE	B77W	A6EGN	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
01/03/2023	EGYPT AIRLINE	B738	SUGEN	MSR881	HECA	DGAA	GATAG	POLTO	360/380	7.494	23.68
01/03/2023	ETHIOPIAN AIRLINE	B772	ETAVD	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
01/03/2023	EMIRATE AIRLINE	A388	A6EUJ	UAE 262	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74
01/03/2023	ETHIOPIAN AIRLINE	A359	ETAVB	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
01/03/2023	ETHIOPIAN AIRLINE	A359	ETAVB	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
01/03/2023	ETHIOPIAN AIRLINE	B738	ETAQM	ETH 916	DBBB	HAAB	POLTO	KELAK	370	153.08	483.74
01/03/2023	MIDDEL EAST AIRLINE	A332	ODME A	MEA 576	DGAA	OLBA	POLTO	KELAK	350	153.08	483.74
01/03/2023	QATAR AIRWAYS	B77W	A7BEX	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
01/03/2023	ETHIOPIAN AIRLINE	B788	ETA 00	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
01/03/2023	EGYPT AIRLINE	B738	SUGEN	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
01/03/2023	EMIRATE AIRLINE	B77W	A6EGN	UAE 788	DGAA	OMDB	POLTO	KELAK	330/350	153.08	483.74
01/03/2023	QATAR AIRWAYS	B778	A7BCX	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
01/03/2023	BRUSSELS AIRLINE	A333	OOSFC	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
01/03/2023	BRUSSELS AIRLINE	A333	OOSFE	BEL 358	FZAA	EBBR	EBIMU	ENBUT	360	15.522	49.05
01/03/2023	QATAR AIRWAYS	B788	A7BCX	QTR 1423	OTHH	DGAA	IKROP	POLTO	380	30.509	96.408
01/03/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE 825	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
01/03/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH 516	HAAB	DXXX	IKROP	POLTO	480	30.509	96.408
01/03/2023	ETHIOPIAN AIRLINE	B738	ETAQM	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408

01/03/2023	ROYAL MOROCCAN AIRFORCE	RJ100	CNMS M	FRV 1201	DRRN	FOOL	TENTU	BIPIV	270	0	0
01/03/2023	DASSAULT FALCON	FA8X	FOLTI	DSO 01	DFFD	FEFF	GANDA	GADUV	370	61.019	192.82
02/03/2023	ROYAL AIR MOROC	B738	GYROL	RAM 297	GMMN	FCBB	BOVDA	OBUDU	370	99.557	314.6
02/03/2023	ROYAL AIR MOROC	B738	CNRNZ	RAM 267	GMMN	FOOL	BOVDA	OBUDU	370	99.557	314.6
02/03/2023	ROYAL AIR MOROC	B738	CNROL	RAM 296	FCBB	GMM N	OBUDU	BOVDA	360	99.557	314.6
02/03/2023	ETHIOPIAN AIRLINE	B738	ETAQN	ETH 8698	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
02/03/2023	EDELWEISS AIRLINE	A343	HBJME	EDW 84	LSZH	FACT	ENBUT	EBIMU	370	15.522	49.05
02/03/2023	EMIRATE AIRLINE	B77W	A6ECC	UAE 797	OMDB	GUCY	ETRIS	GANDA	340	46.032	145.46
02/03/2023	ETHIOPIAN AIRLINE	A359	ETAWP	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
02/03/2023	ETHIOPIAN AIRLINE	A359	ETAVD	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
02/03/2023	AIR FRANCE	A354	FHTYE	AFR 722	LFPG	FZAA	ENBUT	EBIMU	390	15.522	49.05
02/03/2023	AIR FRANCE	A330	FEZCM	AFR 900	LFPG	FKYS	MIMBA	TAKUM	390	7.494	23.68
02/03/2023	EMIRATE AIRLINE	B77W	A6EGO	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
02/03/2023	BRUSSELS AIRLINE	A333	OOSFB	BEL 379	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
02/03/2023	AIR FRANCE	A332	FGZCM	AFR 901	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
02/03/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH 3907	HAAB	GABS	ARDEX	OPALA	360	84.034	265.55
02/03/2023	ROYAL AIR MOROC	B738	CNRGK	RAM 263	GMMN	FGSL	TENTU	ARDEX	350	137.56	434.69
02/03/2023	ROYAL AIR MOROC	B738	CNRGK	RAM 262	FGSL	GMM N	ARDEX	OPALA	380	84.034	265.55
02/03/2023	AIR COTE D'IVOIRE	A320	TUTSV	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
02/03/2023	EMIRATE AIRLINE	B77W	A6EGO	UAE 9FE	OMDB	DGAA	IKROP	POLTO	360	30.509	96.408
02/03/2023	ETHIOPIAN AIRLINE	A359	ETAYA	ETH 934	DIAP	HAAB	POLTO	GATAG	370	7.494	23.68

02/03/2023	ETHIOPIAN AIRLINE	A359	ETAYM	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
02/03/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
02/03/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 513	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
02/03/2023	QATAR AIRWAYS	B77F	A7BFK	QTR 8098	OTHH	DGAA	GATAG	POLTO	320	7.494	23.68
02/03/2023	ETHIOPIAN AIRLINE	B738	ETAQN	ETH 8604	GABS	HAAB	GANDA	ETRIS	350	46.032	145.46
02/03/2023	EMIRATE AIRLINE	B777	A6EFS	UAE 9329	OMDB	DGAA	IKROP	POLTO	340	30.509	96.408
03/03/2023	ROYAL AIR MOROC	B738	CNROH	RAM 285	GMMN	FKKD	BOVDA	OBUDU	370	99.557	314.6
03/03/2023	GOVT OF CONGO	B739	T7RDC	DRC 001	LFPO	FZAA	ENBUT	EBIMU	250	15.522	49.05
03/03/2023	EMIRATE AIRLINE	B77W	A6EGC	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
03/03/2023	ETHIOPIAN AIRLINE	B789	ETAWQ	ETH 909	HAAB	GABS	ETRIS	GANDA	360	46.032	145.46
03/03/2023	VISTA JET MALTA	CL60	9HVFA	VJT 503	DXXX	OEJN	POLTO	GATAG	370	7.494	23.68
03/03/2023	GOVT OF CONGO	GLST	9HYAA	DRC 002	FCBB	LFPB	EBIMU	ENBUT	430	15.522	49.05
03/03/2023	ROYAL AIR MAROC	B738	CNROH	RAM 284	FKKD	GMMN	OBUDU	BOVDA	340/360	99.557	314.6
03/03/2023	EMIRATE AIRLINE	A388	A6EUG	UAE 262	SBGR	OMDB	POLTO	KELAK	370/390	153.08	483.74
03/03/2023	ETHIOPIAN AIRLINE	A359	ETAWP	ETH 908	GABS	HAAB	GANDA	ETRIS	370	46.032	145.46
03/03/2023	ETHIOPIAN AIRLINE	B738	ETAQQ	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
03/03/2023	ETHIOPIAN AIRLINE	A359	ETAYB	ETH 920	DGAA	HAAB	POLTO	GATAG	370/390	7.494	23.68
03/03/2023	ASKY AIRLINES	B738	ETANG	SKK 071	FZAA	DXXX	BIPIV	KIPSA	400	30.509	96.408
03/03/2023	AIR COTE D'IVOIRE	A320	TUTSV	VRE 825	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
03/03/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
03/03/2023	EMIRATE AIRLINE	B77W	A6EGX	UAE 788	DGAA	OMDB	POLTO	KELAK	330/350	153.08	483.74

03/03/2023	RWANDAIR	B738	9XRWG	RWD 216	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
03/03/2023	RWANDAIR	B738	9XRWG	RWD 217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
03/03/2023	ETHIOPIAN AIRLINE	B738	ETAYB	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
04/03/2023	CONDOR	A332	DAIYC	CFG 288	EDDF	FAOR	MIMBA	TAKUM	350/370/390	7.494	23.68
04/03/2023	ROYAL AIR MAROC	B738	CNRGM	RAM 265	GMMN	FZAA	BOVDA	OBUDU	370/390	99.557	314.6
04/03/2023	ROYAL AIR MAROC	B38M	CNMAY	RAM291	GMMN	FNLU	BOVDA	OBUDU	350/370	99.557	314.6
04/03/2023	ROYAL AIR MAROC	B38M	CNROL	RAM 507C	GMMN	FKKD	BOVDA	OBUDU	350/390	99.557	314.6
04/03/2023	ROYAL AIR MAROC	B38M	CNRGI	RAM 267	GMMN	FOOL	BOVDA	OBUDU	370	99.557	314.6
04/03/2023	TURKISH AIRLINE	B38M	TCLCJ	THY 672	FZAA	LTFM	EBIMU	ENBUT	300/360	15.522	49.05
04/03/2023	TURKISH AIRWAYS	B38M	TCLCF	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
04/03/2023	MIDDEL EAST AIRLINE	A332	OMEB	MEA 575	OLBA	DGAA	KELAK	POLTO	380	153.08	483.74
04/03/2023	ETHIOPIAN AIRLINE	B789	ETAUG	ETH 908	GABS	HAAB	POLTO	GATAG	370	7.494	23.68
04/03/2023	ETHIOPIAN AIRLINE	A359	ETAYA	ETH 909	HAAB	GABS	ETRIS	GANDA	360/380	46.032	145.46
04/03/2023	ETHIOPIAN AIRLINE	A359	ETAUC	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
04/03/2023	ETHIOPIAN AIRLINE	B788	ETATK	ETH 916	DBBB	HAAB	POLTO	GATAG	390	7.494	23.68
04/03/2023	ETHIOPIAN AIRLINE	A359	ETAVD	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
04/03/2023	MIDDEL EAST AIRLINE	A332	ODMEB	MEA 576	DGAA	OLBA	POLTO	KELAK	390	153.08	483.74
04/03/2023	EGYPT AIRLINE	B738	SUGEG	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
04/03/2023	EMIRATE AIRLINE	B77W	A6EPB	UAE 788	DGAA	OMDB	POLTO	KELAK	390	153.08	483.74
04/03/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH 8697	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46

04/03/2023	TURKISH AIRLINE	B38M	TCLCN	THY 91J	LTFM	FKYS	MIMBA	TAKUM	350	7.494	23.68
04/03/2023	QATARI AIRWAYS	B788	A7BCX	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
04/03/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3594	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
04/03/2023	BRUSSELS AIRLINE	A333	OOSFC	BEL 379	FKYS	EBBR	TAKUM	MIMBA	380	7.494	23.68
04/03/2023	AIR FRANCE	A332	FGZCJ	AFR 775	FKYS	LFPG	TAKUM	MIMBA	340	7.494	23.68
04/03/2023	EMIRATE AIRLINE	B77W	A6EPB	UAE 9FE	OMDB	DGAA	GATAG	POLTO	320/340	7.494	23.68
04/03/2023	EGYPT AIRLINE	B738	SUGEG	MSR 881	HECA	DGAA	GATAG	POLTO	360/380	7.494	23.68
04/03/2023	QATAR AIRWAYS	B77L	A7BFX	QTR 8074	OTHH	DGAA	GATAG	POLTO	340	7.494	23.68
04/03/2023	EMIRATE AIRLINE	B77L	A6ENG	UAE 248	SBGL	OMDB	POLTO	KELAK	390	153.08	483.74
04/03/2023	ROYAL AIR MAROC	B738	CNRGF	RAM 266	FOOL	GMMN	BIPIV	TENTU	360	0	0
04/03/2023	ETHIOPIAN AIRLINE	B737	ETATK	ETH 917	HAAB	DBBB	IKROP	POLTO	400	30.509	96.408
04/03/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 516	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
04/03/2023	ETHIOPIAN AIRLINE	B788	ETADU	ETH 512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
04/03/2023	GOVT. OF TOGO	FA81	FOLTI	TOG 001	HUEN	DXXX	IKROP	POLTO	430	30.509	96.408
04/03/2023	ETHIOPIAN AIRLINE	B738	ETAOO	ETH 509	DXXXX	HAAB	POLTO	IKROP	410	30.509	96.408
05/03/2023	ROYAL AIR MAROC	B738	CNRNP	RAM 285	GMMN	FKKD	BOVDA	OBUDU	330/350	99.557	314.6
05/03/2023	FRENCH AIRFORCE	A332	FRARF	CTM 0001	FZAA	LFPO	TAKUM	MIMBA	380	7.494	23.68
05/03/2023	FRENCH AIRFORCE	FA7X	FRAFA	CTM 0006	FZAA	LFPG	TAKUM	MIMBA	400	7.494	23.68
05/03/2023	VISTA JET MALTA	GLEX	9HUJN	VJT 968	DGAA	OMDN	POLTO	KELAK	410/430	153.08	483.74
05/03/2023	FRENCH AIRFORCE	A332	FUJCT	CTM 0021	FZAA	LFPG	TAKUM	MIMBA	380	7.494	23.68
05/03/2023	BEST FLY	GLEX	P4BFW	BFY 535P	LEMG	FZAA	MIMBA	TAKUM	410	7.494	23.68

05/03/2023	EMIRATE AIRLINE	B77W	A6ENQ	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340/360	7.494	23.68
05/03/2023	ROYAL AIR MAROC	B738	CNRNP	RAM 284	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6
05/03/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH 3922	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
05/03/2023	ETHIOPIAN AIRLINE	B789	ETAXL	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
05/03/2023	HERONAIR	F900	DAHER	HRN 511	FZAA	LFMN	TAKUM	MIMBA	380	7.494	23.68
05/03/2023	ETHIOPIAN AIRLINE	A359	ETAYA	ETH 908	GABS	HAAB	GANDA	ETRIS	370	46.032	145.46
05/03/2023	ETHIOPIAN AIRLINE	A359	ETAAYN	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
05/03/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH 513	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
05/03/2023	CONGO	GL5T	9HYAA	COG 002	LFPB	FCBB	ENBUT	EBIMU	450	15.522	49.05
05/03/2023	EMIRATE AIRLINE	B77W	A6ENQ	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
05/03/2023	PJV	GLEX	OEIGP	OEIGP	FACT	LSZH	ENBUT	EBIMU	450	15.522	49.05
05/03/2023	QATARI AIRWAYS	B789	A7BCG	QTR 1424	DGAA	OTHH	POLTO	GATAG	390	7.494	23.68
05/03/2023	BRUSSELS AIRLINE	A333	OOSFF	BEL 383	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
05/03/2023	AIR FRANCE	A332	FGZCK	AFR 901	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
05/03/2023	VIRGIN ATLANTIC	B789	GVDIA	VIR 478	EGLL	FACT	ENBUT	EBIMU	350	15.522	49.05
05/03/2023	GAIN JET	B739	T7RDC	T7RDC	FZAA	DAAG	TAKUM	MIMBA	240	7.494	23.68
05/03/2023	ROYAL AIR MAROC	B737	CNMAX	RAM 263	GMMN	FGSL	TENTU	ARDEX	350	137.56	434.69
05/03/2023	ETHIOPIAN AIRLINE	B738	ETAYZ	ETH 3907	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
05/03/2023	ROYAL AIR MAROC	B738	CNMAX	RAM 262	FOOL	GMMN	ARDEX	TENTU	360	137.56	434.69
05/03/2023	AIR COTE D'IVOIRE	A320	TUTSV	VRE 825	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
05/03/2023	ETHIOPIAN AIRLINE	B788	ETAOK	ETH 508	HAAB	DXXX	IKROP	POLTO	410	30.509	96.408

05/03/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 517	DXXX	HAAB	POLTO	IKROP	410	30.509	96.408
05/03/2023	FRENCH AIRFORCE	CN35	FRAHE	CTM 1211	DRRN	FOOL	TENTU	BIPIV	170	0	0
05/03/2023	MAURITANIAN AIRLINES	A321	L2MDL	MAI 147	FOOL	DBBB	BIPIV	KIPSA	340	30.509	96.408
06/03/2023	ROYAL AIR MOROC	B738	CNROZ	RAM 1297	GMMN	FKKD	BOVDA	OBUDU	350	99.557	314.6
06/03/2023	BRUSSELS AIRLINE	A333	OOSFH	BEL 357R	FZAA	EBBR	EBIMU	ENBUT	360	15.522	49.05
06/03/2023	ROYAL AIR MOROC	B738	CNRGV	RAM 509	GMMN	FKYS	BOVDA	OBUDU	350/370	99.557	314.6
06/03/2023	TURKISH AIRLINE	B38M	TCLCE	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
06/03/2023	ROYAL AIR MOROC	B378	CNRGV	RAM 509	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6
06/03/2023	QATAR AIRWAYS	B773	A7BAC	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
06/03/2023	ROYAL AIR MOROC	B738	CNROZ	RAM 296	FKYS	GMMN	OBUDU	BOVDA	340	99.557	314.6
06/03/2023	EMIRATE AIRLINE	B77W	AGENG	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
06/03/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3954	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
06/03/2023	ETHIOPIAN AIRLINE	B77L	ETANO	ETH 909	HAAB	GABS	ETRIS	GANDA	380/400	46.032	145.46
06/03/2023	SWISS AIRLINE	B77N	HBJNB	EDW 84	LSZH	FACT	ENBUT	EBIMU	330	15.522	49.05
06/03/2023	EMIRATE AIRLINE	A388	A6EUL	UAE 262	SBGR	OMDB	POLTO	KELAK	370/390	153.08	483.74
06/03/2023	ETHIOPIAN AIRLINE	B789	ETAXL	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
06/03/2023	EMIRATE AIRLINE	B77L	A6EW	UAE 248	SBGL	OMDB	POLTO	KELAK	370	153.08	483.74
06/03/2023	ETHIOPIAN AIRLINE	B788	ETOQ	ETH 509	DXXX	HAAB	POLTO	KELAK	410	153.08	483.74
06/03/2023	EGYPT AIRLINE	B738	SUGDZ	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
06/03/2023	QATAR AIRWAYS	B77L	A7BFQ	QTR 8098	OTHH	DGAA	GATAG	POLTO	340	7.494	23.68
06/03/2023	EGYPT AIRLINE	A333	SUGDT	MSR 3910	HECA	DXXX	GATAG	POLTO	380	7.494	23.68

06/03/2023	AIR FRANCE	A332	FGZCI	AFR 900	LFPG	FKYS	MIMBA	TAKUM	390	7.494	23.68
06/03/2023	QATAR EXECUTIVE	A319	A7MHH	A7MHH	DGAA	OTHH	POLTO	GATAG	350	7.494	23.68
06/03/2023	EMIRATE AIRLINE	B77W	A6ENR	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
06/03/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3921	HAAB	DFFD	ETRIS	GANDA	380	46.032	145.46
06/03/2023	AIR FRANCE	A332	FGZCI	AFR 901	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
06/03/2023	BRUSSELS AIRLINE	A333	OOSFG	BEL 358	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
06/03/2023	AIR FRANCE	A359	FHTYL	AFR 756	FZAA	LFPG	EBIMU	ENBUT	380	15.522	49.05
06/03/2023	EGYPT AIRLINE	B738	SUGDZ	MSR 881	HECA	DGAA	GATAG	POLTO	340	7.494	23.68
06/03/2023	QATAR AIRWAYS	B77W	A7BEW	QTR 774	SBGR	OTHH	POLTO	KELAK	350/370	153.08	483.74
06/03/2023	RWANDAIR	B738	9XRWG	RWD 217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
06/03/2023	CORSE AIR	A333	FHJAZ	CRL 083	HDAM	DBBB	IKROP	POLTO	400	30.509	96.408
07/03/2023	ROYAL AIR MAROC	B738	CNRGJ	RAM 265	GMMN	FZAA	BOVDA	OBUDU	350	99.557	314.6
07/03/2023	ROYAL MAROCCAN AIRFORCE	C56X	CNMMJ	FRV 1417	FZAA	DRRN	OBUDU	BOVDA	400	99.557	314.6
07/03/2023	BRITISH AIRWAYS	B772	GYMMN	BAW 59	EGLL	FACT	ENBUT	EBIMU	350	15.522	49.05
07/03/2023	ROYAL AIR MAROC	B738	CNRGY	RMA 264	FZAA	GMMN	OBUDU	BOVDA	380	99.557	314.6
07/03/2023	QATAR AIRWAYS	B77W	A7BET	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
07/03/2023	ETHIOPIAN AIRLINE	B788	ETATG	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
07/03/2023	ETHIOPIAN AIRLINE	B38M	ETAVK	ETH 936	DRRN	HAAB	GULEN	KELAK	350	153.08	483.74
07/03/2023	EMIRATE AIRLINE	A338	A6EUK	UAE 262	SBGR	OMDB	POLTO	KELAK	390	153.08	483.74
07/03/2023	ETHIOPIAN AIRLINE	B788	ETATL	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
07/03/2023	EMIRATE AIRLINE	B777	A6EWD	UAE 248	SBGL	OMDB	POLTO	KELAK	350	153.08	483.74

07/03/2023	ETHIOPIAN AIRLINE	A359	ETATQ	ETH 920	DGAA	HAAB	POLTO	GATAG	410	7.494	23.68
07/03/2023	QATARI AIRWAYS	B773	A7BER	QTR 774	SBGR	OTHH	POLTO	KELAK	380	153.08	483.74
07/03/2023	ETHIOPIAN AIRLINE	B788	ETA00	ETH 517	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
07/03/2023	ROYAL DUTCH AIRLINE	B77W	PHBVU	KLM 119	EHAM	FACT	ENBUT	EBIMU	310	15.522	49.05
07/03/2023	ATRA JET	FA7X	FHCTV	ASJ 958	LFPG	FCBB	ENBUT	EBIMU	410/430	15.522	49.05
07/03/2023	AIR FRANCE	A359	FHTYP	AFR 722	LFPG	FZAA	ENBUT	EBIMU	390/410	15.522	49.05
07/03/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3906	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
07/03/2023	VISTA JET MALTA	CL60	9HVF1	VJT 525	OEJN	DXXX	GATAG	POLTO	360	7.494	23.68
07/03/2023	EMIRATE AIRLINE	B773	A6EPL	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
07/03/2023	BRUSSELS AIRLINE	A333	OOSFH	BEL 379	FKYS	EBBR	TAKUM	MIMBA	340	7.494	23.68
07/03/2023	AIR FRANCE	A332	FGZCG	AFR 775	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
07/03/2023	VIRGIN ATLANTIC	B789	GVZIG	VIR 478	EGLL	FACT	ENBUT	EBIMU	350/370	15.522	49.05
07/03/2023	KLM	B789	PHBHD	KLM 595	EHAM	FACT	ENBUT	EBIMU	350/370	15.522	49.05
07/03/2023	ASKY AIRLINES	B738	ETAOU	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
07/03/2023	FRENCH AIRFORCE	CN35	FZZZZ	CTM 1211	FOOL	DRRN	BIPIV	TENTU	160	0	0
08/03/2023	AIR FRANCE	A359	FHTYP	AFR 722	FCBB	LFPG	TAKUM	MIMBA	380	7.494	23.68
08/03/2023	BRUSSELS AIRLINE	A333	OOSFG	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	360	15.522	49.05
08/03/2023	BRITISH AIRWAYS	B772	GYMM B	BAW 2041	EGKK	FACT	ENBUT	EBIMU	350/370	15.522	49.05
08/03/2023	MIDDEL EAST AIRLINE	A332	ODME A	MEA 575	OLBA	DGAA	KELAK	POLTO	380	153.08	483.74
08/03/2023	EGYPT AIRLINE	B738	SUGED	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
08/03/2023	EMIRATE AIRLINE	B77W	AEWP	UAE 9FE	OMDB	DGAA	GATAG	POLTO	320/360	7.494	23.68

08/03/2023	ETHIOPIAN AIRLINE	B788	ETATG	ETH 909	HAAB	GABS	ETRIS	GANDA	380/400	46.032	145.46
08/03/2023	QATAR AIRWAYS	B773	A7BES	QTR 774	SBGR	OTHH	POLTO	KELAK	330	153.08	483.74
08/03/2023	ETHIOPIAN AIRLINE	B737	ETAVM	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
08/03/2023	MIDDEL EAST AIRLINE	A330	ODME A	MEA 576	DGAA	OLBA	POLTO	KELAK	390	153.08	483.74
08/03/2023	ETHIOPIAN AIRLINE	A350	ETAUP	ETH 920	DGAA	HAAB	POLTO	KELAK	390	153.08	483.74
08/03/2023	ROYAL AIR MAROC	B38M	CNMAX	RAM 4451	GME0	FNLU	BOVDA	OBUDU	390350/390	99.557	314.6
08/03/2023	QATAR AIRWAYS	B788	A7BCR	QTR 1424	DGAA	OTHH	POLTO	KELAK	410	153.08	483.74
08/03/2023	EMIRATE AIRLINE	B77W	A6ENP	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
08/03/2023	EGYPT AIRLINE	A333	SUGDT	MSR 3911	DXXX	HECA	POLTO	KELAK	390	153.08	483.74
08/03/2023	EGYPT AIRLINE	B738	SUGED	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
08/03/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH 509	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
08/03/2023	GOVT OF GHANA	F900	99EXE	GHN001	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
08/03/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE 825	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
08/03/2023	ASKY AIRLINES	B737	ETAVP	SKK 071	FZAA	DBBB	BIPIV	KIPSA	400	30.509	96.408
08/03/2023	PORTUGUES E AIRFORCE	C130	16805	AFP 97	DGAA	FEFF	POLTO	IKROP	150	30.509	96.408
08/03/2023	ETHIOPIAN AIRLINE	B788	ETAOQ	ETH 516	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
08/03/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
08/03/2023	ETHIOPIAN AIRLINE	B738	ETAVM	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
08/03/2023	ETHIOPIAN AIRLINE	B73F	ETAVX	ETH 3955	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
08/03/2023	ASKY AIRLINES	B737	ETAVP	SKK 074	DBBB	FOOL	KIPSA	BIPIV	390	30.509	96.408
09/03/2023	ROYAL AIR MOROC	B38M	CNRGJ	RAM 297	GMMN	FCBB	BOVDA	OBUDU	370	99.557	314.6

09/03/2023	BRUSSELS AIRLINE	A333	OOSFH	BEL 358	FZAA	GBBR	EBIMU	ENBUT	360	15.522	49.05
09/03/2023	AIR FRANCE	A359	FHTYC	AFR 756	FZAA	LFPG	EBIMU	ENBUT	380	15.522	49.05
09/03/2023	EDELWEISS AIRLINE	A343	HBJMG	EDW 84	LSZH	FACT	ENBUT	EBIMU	330	15.522	49.05
09/03/2023	TURKISH AIRWAYS	B38M	TCLCR	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
09/03/2023	NEYMAR SPORT (BRAZIL)	FA90	PSNJR	PSNJR	DIAP	OTBD	POLTO	KELAK	390/410	153.08	483.74
09/03/2023	ROYAL AIR MAROC	B738	CNRGV	RAM 509	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6
09/03/2023	QATAR AIRWAYS	B77W	A7BEQ	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
09/03/2023	EMIRATE AIRLINE	B77W	A6ECS	UAE 797	OMDB	GUCY	ETRIS	GANDA	320	46.032	145.46
09/03/2023	VISTA JET MALTA	GLEX	A7BCD	VJT 968	OTHH	GFL	GATAG	POLTO	430	7.494	23.68
09/03/2023	ETHIOPIAN AIRLINE	B788	ETATG	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
09/03/2023	ETHIOPIAN AIRLINE	B788	ETAOS	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
09/03/2023	ETHIOPIAN AIRLINE	A359	ETAWO	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
09/03/2023	ETHIOPIAN AIRLINE	B788	EATOQ	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
09/03/2023	BRUSSELS AIRLINE	A333	OOSFB	BEL 379	FKYS	EBBR	TAKUM	MIMBA	350/370	7.494	23.68
09/03/2023	AIR FRANCE	A332	FGZCG	AFR 901	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
09/03/2023	AIR FRANCE	B77W	FGSPQ	AFR 995	FACT	LFPG	EBIMU	ENBUT	340	15.522	49.05
09/03/2023	QATAR AIRWAYS	B733	A7BEX	QTR 774	SBGL	OTHH	POLTO	KELAK	350	153.08	483.74
09/03/2023	EMIRATE AIRLINE	B77W	A6ENM	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
09/03/2023	EMIRATE AIRLINE	B77L	A6EFT	UAE 9329	OMDN	DGAA	GATAG	POLTO	320	7.494	23.68
09/03/2023	ROYAL AIR MOROC	B738	CNROY	RAM 263	GMMN	FGSL	TENTU	ARDEX	370	137.56	434.69
09/03/2023	ROYAL AIR MOROC	B738	CNROY	RAM 262	FGSL	GMMN	ARDEX	TENTU	360	137.56	434.69

09/03/2023	QATAR AIRWAYS	A332	TUTSV	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
09/03/2023	EMIRATE AIRLINE	B773	A6ENM	UAE 9FE	OMDB	DGAA	IKROP	POLTO	340	30.509	96.408
09/03/2023	ROYAL MORROCIAN FLEET	RJ100	CLMSM	FRV 1201	FOOL	DRRN	BIPIV	TENTU	300	0	0
09/03/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 513	DXXX	HAAB	POLTO	IKROP	410	30.509	96.408
09/03/2023	EGYPT AIRLINE	A333	SUGDT	MSR3911	DXXX	HECA	POLTO	KELAK	390	153.08	483.74
10/03/2023	BRUSSELS AIRLINE	A333	OOSFX	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
10/03/2023	ROYAL AIR MAROC	B738	CNRNU	RAM 285	GMMN	FKKD	BOVDA	OBUDU	370	99.557	314.6
10/03/2023	QATARI AIRWAYS	B788	A7BAE	QTR 1432	OTHH	DGAA	GATAG	POLTO	380	7.494	23.68
10/03/2023	ETHIOPIAN AIRLINE	B788	EATRF	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
10/03/2023	ETHIOPIAN AIRLINE	B788	ETATK	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
10/03/2023	ETHIOPIAN AIRLINE	B738	ETAQQ	ETH 916	DBBB	HAAB	POLTO	GATAG	350	7.494	23.68
10/03/2023	AIR ANGOLA	A333	9HHFA	DTA 652	FNLU	LPPT	TAKUM	MIMBA	380	7.494	23.68
10/03/2023	AIR FRANCE	A359	FHTYB	AFR 770	LFPG	FCBB	ENBUT	EBIMU	390	15.522	49.05
10/03/2023	INT'L JET MANAGEMENT	HS5B	IKREM	IKREM	DAAJ	FCOD	MIMBA	TAKUM	370/410	7.494	23.68
10/03/2023	AIR FRANCE	B772	FGSPI	AFR 926	LFPG	FOOL	MIMBA	TAKUM	390	7.494	23.68
10/03/2023	EMIRATES AIRWAYS	B77W	A6ENV	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
10/03/2023	QATAR AIRWAYS	B788	A7BCA	QTR 1424	DGAA	OTHH	POLTO	GATAG	390/410	7.494	23.68
10/03/2023	AIR FRANCE	A359	FHTYB	AFR 770	FZAA	LFPG	EBIMU	ENBUT	380	15.522	49.05
10/03/2023	EMIRATES AIRWAYS	B77W	A6ENV	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
10/03/2023	IVORY JET SERVICES	E35L	T7NTT	T7NTT	HDAM	DGAA	GATAG	POLTO	400	7.494	23.68
10/03/2023	ASKY AIRLINES	B737	ETANG	SKK 071	FZAA	DXXX	BIPIV	KIPSA	380	30.509	96.408

10/03/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE 825	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
10/03/2023	ETHIOPIAN AIRLINE	B788	ETARE	ETH 908	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
10/03/2023	ETHIOPIAN AIRLINE	B738	ETAQQ	ETH 971	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
10/03/2023	RWANDAIR	B738	9XRWK	RWD 216	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
10/03/2023	RWANDAIR	B738	9XRWQ	RWD 217	DBBB	FOOL	KIPSA	BIPIV	350	30.509	96.408
11/03/2023	ROYAL AIR MAROC	B738	CNRNU	RAM 265	GMMN	FZAA	BOVDA	OBUDU	370	99.557	314.6
11/03/2023	ROYAL AIR MAROC	B738	CNROJ	RAM 507C	GMMN	FKKD	BOVDA	OBUDU	350	99.557	314.6
11/03/2023	ROYAL AIR MAROC	B38M	CNMAY	RAM 291	GMMN	FNLU	BOVDA	OBUDU	350	99.557	314.6
11/03/2023	BRITISH AIRWAYS	B772	GYMMT	BAW 59	EGLL	FACT	ENBUT	EBIMU	350	15.522	49.05
11/03/2023	MIDDEL EAST AIRLINE	B738	ODMED	MEA 575	OLBA	DGAA	KELAK	POLTO	360	153.08	483.74
11/03/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3922	DFFD	HRYR	BOVDA	GADUV	390	76.541	241.57
11/03/2023	ROYAL AIR MAROC	B738	CNRNU	RAM 264	FZAA	GMMN	OBUDU	BOVDA	360/380	99.557	314.6
11/03/2023	ROYAL AIR MAROC	B738	CNROS	RAM 507C	FKYS	GMMN	OBUDU	BOVDA	360	99.557	314.6
11/03/2023	QATAR AIRWAYS	B773	A7BER	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
11/03/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH 3906	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
11/03/2023	EMIRATE AIRLINE	B77W	A6EGG	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
11/03/2023	EGYPT AIRLINE	B738	SUGEK	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
11/03/2023	BEST FLY	GLEX	PHBFW	BFY539P	FCBB	EDDL	EBIMU	ENBUT	380	15.522	49.05
11/03/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 908	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
11/03/2023	ETHIOPIAN AIRLINE	B77L	ETAYA	ETH 909	HAAB	GABS	ETRIS	GANDA	380/400	46.032	145.46
11/03/2023	AIR FRANCE	A339	FHYTH	AFR 722	LFPG	FZAA	ENBUT	EBIMU	390/410	15.522	49.05

11/03/2023	EMIRATE AIRLINE	B77W	A6EGG	UAE 788	DGAA	OMDB	POLTO	KELAK	330/350	153.08	483.74
11/03/2023	AIR FRANCE	A332	FGZCD	AFR 775	FKYS	LFPG	EBIMU	ENBUT	340	15.522	49.05
11/03/2023	AIR FRANCE	B77W	FGZQU	AFR 995	FAOR	LFPG	EBIMU	ENBUT	380/400	15.522	49.05
11/03/2023	BRUSSELS AIRLINE	A333	OOSFB	BEL 379	FKYS	EBBR	TAKUM	MIMBA	340/360	7.494	23.68
11/03/2023	ETHIOPIAN AIRLINE	A359	ETATY	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
11/03/2023	MIDDEL EAST AIRLINE	A332	ODME B	MAE 576	DGAA	OLBA	POLTO	KELAK	390	153.08	483.74
11/03/2023	ETHIOPIAN AIRLINE	B788	ETARE	ETH 509	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
11/03/2023	EGYPT AIRLINE	B738	SUGEK	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
11/03/2023	ETHIOPIAN AIRLINE	B738	ETAQQ	ETH 8699	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
11/03/2023	QATAR AIRWAYS	B788	A7BCW	QTR 1424	DGAA	OTHH	POLTO	GATAG	410	7.494	23.68
11/03/2023	ROYAL AIR MAROC	B738	CNRGJ	RAM 267	GMMN	FOOL	TENTU	BIPIV	370	0	0
11/03/2023	ROYAL AIR MAROC	B738	CNRGJ	RAM 266	FOOL	GMMN	BIPIV	TENTU	360	0	0
11/03/2023	AIR COTE D'IVOIRE	A319	TUTSZ	VRE 821	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
11/03/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
11/03/2023	ETHIOPIAN AIRLINE	B788	ETAQO	ETH 516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
11/03/2023	ETHIOPIAN AIRLINE	B738	ETAQQ	ETH 916	DBBB	HAAB	POLTO	IKROP	370	30.509	96.408
11/03/2023	ROYAL MAROCCAN AIRFORCE	RJ100	CNMS M	RRV 1201	DRRN	FOOL	TENTU	BIPIV	310	0	0
11/03/2023	ETHIOPIAN AIRLINE	B738	ETAQQ	ETH 917	HAAB	DBBB	IKROP	POLTO	360	30.509	96.408
12/03/2023	BEST FLY	GLEK	P4BFW	BFY 538R	EDDL	FACT	ENBUT	EBIMU	410	15.522	49.05
12/03/2023	ROYAL AIR MOROC	B738	CNRGF	RAM 285	GMMN	FKKD	BOVDA	OBUDU	370	99.557	314.6
12/03/2023	QATAR AIRWAYS	B77W	A7BEH	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74

12/03/2023	ROYAL AIR MOROC	B738	CNRGF	RAM 284	FKKD	GMM N	OBUDU	BOVDA	320	99.557	314.6
12/03/2023	ETHIOPIAN AIR	B789	ETAXL	ETH 909	HAAB	GABS	ETRIS	GANDA	360	46.032	145.46
12/03/2023	ETHIOPIAN AIR	A359	ETAYA	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
12/03/2023	ATONOV AIRLINE	A124	UR820 07	ADB 3501	FINN	FKYS	MIMBA	TAKUM	310	7.494	23.68
12/03/2023	ETHIOPIAN AIR	B738	ETAVX	ETH 3906	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
12/03/2023	COCA COLA	G600	N959R W	N959R W	SBGL	HECA	POLTO	KELAK	450	153.08	483.74
12/03/2023	EMIRATES	B773	A6EGS	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
12/03/2023	QATAR	B788	A7BCU	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
12/03/2023	BRUSSELS AIR	A333	OOSFC	BEL 383	FKYS	EBBR	TAKUM	MIMBA	340/380	7.494	23.68
12/03/2023	AIR FRANCE	A332	FGZCG	AFR 901	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
12/03/2023	AIR FRANCE	A359	FHTYG	AFR 770	FZAA	LFPG	TAKUM	MIMBA	380	7.494	23.68
12/03/2023	VIRGIN ATLANTIC	B789	GVDIA	VIR 450	FAOR	EGLL	TAKUM	MIMBA	360	7.494	23.68
12/03/2023	ROYAL AIR MOROC	B738	CNRGJ	RAM 263	GMMN	FGSL	TENTU	ARDEX	370	137.56	434.69
12/03/2023	ROYAL AIR MOROC	B738	CNRGJ	RAM 262	FGSL	GMM N	ARDEX	TENTU	360	137.56	434.69
12/03/2023	ETHIOPIAN AIR	B788	ETAOU	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
12/03/2023	EMIRATES	B77W	A6EGS	UAE9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
12/03/2023	QATAR AIRWAYS	B77L	A7BFC	QTR 8066	OTHH	DGAA	GATAG	POLTO	320	7.494	23.68
12/03/2023	ETHIOPIAN AIR	B788	ETAOQ	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
12/03/2023	ETHIOPIAN AIR	B788	ETAOP	ETH 513	DXXX	HAAB	POLTO	IKROP	410	30.509	96.408
12/03/2023	VISTA JET	C160	9HNFH	VJT 534	OEJN	DGAA	GATAG	POLTO	380/400	7.494	23.68
12/03/2023	GOVT OF GHANA	FA900	9HEYE	GHA001	HSSS	DGAA	GATAG	POLTO	360	7.494	23.68

12/03/2023	KENYA AIRWAYS	B738	5YCYE	KQA 514	HKNA	DGAA	IKROP	POLTO	380	30.509	96.408
13/03/2023	BRUSSELS AIRLINE	A333	OOSFG	BEL 359R	FZAA	EBBR	TAKUM	MIMBA	340	7.494	23.68
13/03/2023	ROYAL AIR MAROC	B738	CNROK	RAM 297	GMMN	FKKD	BOVDA	OBUDU	390	99.557	314.6
13/03/2023	ROYAL AIR MAROC	B738	CNRCK	RAM 509	GMMN	FKKD	BOVDA	OBUDU	390	99.557	314.6
13/03/2023	TAG AVIATION	GLST	9HASB	TEU9	EGKB	FZAA	ENBUT	EBIMU	450	15.522	49.05
13/03/2023	ROYAL AIR MAROC	B738	CNRCK	RAM 509	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6
13/03/2023	ROYAL AIR MAROC	B738	CNROK	RAM 296	FKKD	GMMN	OBUDU	BOVDA	320	99.557	314.6
13/03/2023	QATAR AIRWAYS	B77W	A7BEE	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
13/03/2023	EMIRATE AIRLINE	B77W	A6EPI	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
13/03/2023	ETHIOPIAN AIRLINE	A359	ETAVC	ETH 909	HAAB	GABS	ETRIS	GANDA	380/400	46.032	145.46
13/03/2023	EGYPT AIRLINE	B738	SVGDE	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
13/03/2023	ETHIOPIAN AIRLINE	B789	ETAXL	ETH 908	GABS	HAAB	GANDA	ETRIS	370/390	46.032	145.46
13/03/2023	ETHIOPIAN AIRLINE	B738	ETAQM	ETH 916	DBBB	HAAB	POLTO	GATAG	350	7.494	23.68
13/03/2023	ETHIOPIAN AIRLINE	A359	ETAYM	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
13/03/2023	QATAR AIRWAYS	B773	A7BEQ	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
13/03/2023	TLJ	E35L	FHSTB	TLJ 7050	GMME	HRYR	BOVDA	GADUV	360	76.541	241.57
13/03/2023	EGYPT AIRLINE	B738	SUGDE	MSR 882	DGAA	HECA	POLTO	KELAK	350/370	153.08	483.74
13/03/2023	ROYAL MORROCIAN FLEET	B738	CNMVI	FRV 1203	GMMX	FOOL	BOVDA	OBUDU	350	99.557	314.6
13/03/2023	QATAR AIRWAYS	B77L	A7BFZ	QTR 8098	OTHH	DGAA	GATAG	POLTO	320	7.494	23.68
13/03/2023	EMIRATE AIRLINE	B77W	A6EPI	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
13/03/2023	BRUSSELS AIRLINE	A333	OOSFG	BEL 369	FKYS	EBBR	TAKUM	MIMBA	380	7.494	23.68

13/03/2023	EMIRARE AIRWAYS	B77L	A6EFJ	UAE 9329	OMDW	DGAA	GATAG	POLTO	320	7.494	23.68
13/03/2023	AIR FRANCE	A332	FGZCN	AFR 901	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
13/03/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3954	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
13/03/2023	ROYAL AIR MAROC	B738	CNRNU	RAM 267	GMMN	FOOL	TENTU	BIPIV	370	0	0
13/03/2023	ROYAL AIR MAROC	B738	CNRNU	RAM 266	FOOL	GMMN	BIPIV	TENTU	380	0	0
13/03/2023	ETHIOPIAN AIRLINE	B788	ETARE	ETH 516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
13/03/2023	ETHIOPIAN AIRLINE	B738	ETAQM	ETH 917	HAAB	DBBB	IKROP	POLTO	360	30.509	96.408
13/03/2023	RWANDAIR	B738	9XRWG	RWD 216	FAOR	DBBB	BIPIV	KIPSA	340	30.509	96.408
13/03/2023	ETHIOPIAN AIRLINE	B738	ETAQM	ETH 916	DXXX	HAAB	POLTO	GATAG	350	7.494	23.68
13/03/2023	RWANDAIR	B738	9XRWG	RWD 217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
13/03/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH 509	DXXX	HAAB	POLTO	IKROP	410	30.509	96.408
13/03/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3955	HAAB	DXXX	IKROP	POLTO		30.509	96.408
14/03/2023	BRUSSELS AIRLINE	A333	OOSFF	BEL 358	FZAA	EBBR	TAKUM	MIMBA	400	7.494	23.68
14/03/2023	ROYAL AIR MAROC	B38M	CNRGN	RAM 265	GMMN	FZAA	BOVDA	OBUDU	370/390	99.557	314.6
14/03/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH 3916	DIAP	HAAB	POLTO	GATAG	410	7.494	23.68
14/03/2023	ROYAL AIR MAROC	B738	CNRGN	RAM 264	FZAA	GMMN	OBUDU	BOVDA	360/380	99.557	314.6
14/03/2023	QATAR AIRWAYS	B77W	A7BEV	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
14/03/2023	ETHIOPIAN AIRLINE	B788	ETAON	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
14/03/2023	ETHIOPIAN AIRLINE	A359	ETAVC	ETH 908	GABS	HAAB	POLTO	GATAG	390	7.494	23.68
14/03/2023	ETHIOPIAN AIRLINE	B789	ETARE	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
14/03/2023	AIR FRANCE	A359	FHTYF	AFR 722	LFPG	FCBB	ENBUT	EBIMU	410	15.522	49.05

14/03/2023	ETHIOPIAN AIRWAYS	B738	ETAWC	ETH 3922	GABS	HAAB	POLTO	GATAG	410	7.494	23.68
14/03/2023	EMIRATE AIRLINE	B773	A6EGV	UEA 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
14/03/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3921	HAAB	DFFD	ETRIS	GANDA	360	46.032	145.46
14/03/2023	ROYAL DUTCH AIRLINE	B789	PHBHP	KLM 595	EHAM	FACT	ENBUT	EBIMU	350	15.522	49.05
14/03/2023	AIR FRANCE	A332	FGZCJ	AFR 775	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
14/03/2023	BRUSSELS AIRLINE	A333	OOSFF	BEL 379	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
14/03/2023	EMIRATE AIRLINE	B77W	A6EGV	UAE 9FE	OMDB	DGAA	GATAG	POLTO	350	7.494	23.68
14/03/2023	QATAR AIRWAYS	B773	A7BEX	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
14/03/2023	ALLIED AIR	B738	5NTON	AJK 133	FOOL	DXXX	BIPIV	KIPSA	360	30.509	96.408
14/03/2023	ROYAL MORROCIAN AIRFORCE	RJ1H	CNMSN	FRV 1201	FOOL	DRRN	BIPIV	TENTU	380	0	0
14/03/2023	AIR COTE D'IVOIRE	A319	TUTSZ	VRE 821	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
14/03/2023	ETHIOPIAN AIRWAYS	B788	ETAOP	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
14/03/2023	AFRIJET SERVICES	AT76	TRABW	ABS 251	DBBB	FOOL	KIPSA	BIPIV	170	30.509	96.408
15/03/2023	EDELWEISS AIRLINE	A340	HBJME	EDW 86	LSZH	FACT	ENBUT	EBIMU	350	15.522	49.05
15/03/2023	BRITISH AIRWAYS	B772	GYMMI	BAW 2041	EGKK	FACT	ENBUT	EBIMU	350/370	15.522	49.05
15/03/2023	NATIONAL CARGO AIRLINE	B744	N936CA	NCR 844	OMDW	GLRB	GATAG	POLTO	360	7.494	23.68
15/03/2023	QATAR AIRWAYS	B77W	A7BEO	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
15/03/2023	EMIRATES AIRWAYS	B77W	A6EGO	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
15/03/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH 909	HAAB	GABS	ETRIS	GANDA	360	46.032	145.46
15/03/2023	EGYPT AIRLINE	B738	SUGEK	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68

15/03/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 507	SBGR	HAAB	POLTO	GATAG	390	7.494	23.68
15/03/2023	EMIRATES AIRWAYS	A388	A6EUU	UAE 262	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74
15/03/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH 908	GABS	HAAB	GANDA	ETRIS	390/370	46.032	145.46
15/03/2023	ETHIOPIAN AIRLINE	A359	ETAYA	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
15/03/2023	QATAR AIRWAYS	B773	A7BAG	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
15/03/2023	ETHIOPIAN AIRLINE	B738	EATAQP	ETH 916	DBBB	HAAB	POLTO	GATAG	350	7.494	23.68
15/03/2023	MIDDEL EAST AIRLINE	A332	ODMEA	MEA 576	DGAA	OLBA	POLTO	KELAK	370	153.08	483.74
15/03/2023	AIR ANGOLA	A333	9HHFA	DTA 652	FNLU	LPPT	TAKUM	MIMBA	380	7.494	23.68
15/03/2023	ETHIOPIAN AIRLINE	A359	ETAVE	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
15/03/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 509	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
15/03/2023	AIR FRANCE	A359	FHTYQ	AFR 756	LFPG	FCBB	ENBUT	EBIMU	390	15.522	49.05
15/03/2023	DASSAULT FALCON	FA7X	FHEXR	DSO 1342	FZAA	LSGG	TAKUM	MIMBA	400	7.494	23.68
15/03/2023	EGYPT AIRLINE	B738	SUGEK	MRS 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
15/03/2023	EMIRATES AIRWAYS	B77W	A6EGO	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
15/03/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3906	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
15/03/2023	QATAR AIRWAYS	B788	A7BCT	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
15/03/2023	BRUSSELS AIRLINE	A333	OOSFF	BEL 369	FKYS	EBBR	TAKUM	MIMBA	320/360	7.494	23.68
15/03/2023	MIDDEL EAST AIRLINE	A332	ODMEA	MEA 575	OLBA	DGAA	KELAK	POLTO	380	153.08	483.74
15/03/2023	ALLIED AIR	B738	5NTON	AJK 133	FOOL	DXXX	BIPIV	KIPSA	400	30.509	96.408
15/03/2023	AIR COTE D'IVOIRE	A320	TUTSX	VRE 828	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
15/03/2023	ETHIOPIAN AIRLINE	B738	ETAQP	ETH 917	HAAB	DBBB	IKROP	POLTO	360	30.509	96.408

16/03/2023	ROYAL AIR MAROC	B738	CNROZ	RAM 297	GMMN	FCBB	BOVDA	OBUDU	350/370	99.557	314.6
16/03/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH 3916	DIAP	HAAB	POLTO	GATAG	410	7.494	23.68
16/03/2023	EDELWEISS AIRLINE	A343	HBJME	EDW 84	LSZH	FACT	ENBUT	EBIMU	350	15.522	49.05
16/03/2023	QATAR AIRWAYS	B77W	A7BEK	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
16/03/2023	ETHIOPIAN AIRLINE	B788	ETATJ	ETH 909	HAAB	GABS	GATAG	POLTO	400	7.494	23.68
16/03/2023	CZECH AIR FORCE	C295	O453	CEF 614	DGAA	FTTJ	POLTO	KELAK	150	153.08	483.74
16/03/2023	ETHIOPIAN AIRLINE	B788	ETATL	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
16/03/2023	QATAR AIRWAYS	B772	A7BFB	QTR 8098	OTHH	DGAA	GATAG	POLTO	320	7.494	23.68
16/03/2023	QATAR AIRWAYS	B77W	A7BEP	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
16/03/2023	ETHIOPIAN AIRLINE	B788	ETATU	ETH 517	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
16/03/2023	ETHIOPIAN AIRLINE	B788	ETATK	ETH 573	DXXX	HAAB	POLTO	GATAG	350/390	7.494	23.68
16/03/2023	ETHIOPIAN AIRLINE	A359	ETAVD	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
16/03/2023	ROYAL AIR MAROC	B738	CNCRM	RAM 4341	GMMN	FCBB	BOVDA	OBUDU	390	99.557	314.6
16/03/2023	CZECH AIR FORCE	C295	O483	CEF 614	FTTJ	DGAA	KELAK	POLTO	160	153.08	483.74
16/03/2023	AIR FRANCE	A332	FGZCH	AFR 900	LFPG	FKYS	MIMBA	TAKUM	390	7.494	23.68
16/03/2023	EMIRATES AIRWAYS	B77L	A6EFK	UAE 9329	OMDW	DGAA	GATAG	POLTO	320/340	7.494	23.68
16/03/2023	EMIRATES AIRWAYS	B77W	A6EGX	UAE 788	DGAA	OMDB	POLTO	GATAG	350	7.494	23.68
16/03/2023	AIR FRANCE	A359	FHTYM	AFR 722	FZAA	LFPG	EBIMU	ENBUT	400	15.522	49.05
16/03/2023	ETHIOPIAN AIRLINE	B788	ETATK	ETH 513	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
16/03/2023	ROYAL AIR MAROC	B738	CNRGJ	RAM 263	GMMN	FGSL	TENTU	ARDEX	350	137.56	434.69
16/03/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE 825	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408

16/03/2023	ETHIOPIAN AIRLINE	B788	ETAPF	ETH 507	SBGR	HAAB	EDUKO	ARDEX	390	145.05	458.37
16/03/2023	ETHIOPIAN AIRLINE	B788	ETATL	ETH 934	DIAP	HAAP	POLTO	GATAG	390	7.494	23.68
16/03/2023	MAURITANIAN AIRLINES	B738	5TCLE	MAT 146	GABS	FOOL	KIPSA	BIPIV	300	30.509	96.408
16/03/2023	KENYA AIRWAYS	B738	5YCYC	KQA 508	HKJK	DGAA	IKROP	POLTO	380	30.509	96.408
16/03/2023	ETHIOPIAN AIRLINE	A359	ETAVD	ETH 920	DGAA	HAAB	POLTO	IKROP	390	30.509	96.408
16/03/2023	PHOENIX AIR	GIV	N48GL	GRB 556	DBBB	FOOL	KIPSA	BIPIV	390	30.509	96.408
16/03/2023	ETHIOPIAN AIRLINE	B738	ETATK	ETH 516	DXXX	HAAB	POLTO	IKROP	370	30.509	96.408
17/03/2023	BRUSSELS AIRLINES	A333	OOSFH	BEL 379	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
17/03/2023	ROYAL AIR MAROC	B738	CNRGN	RAM 285	GMMN	FKKD	BOVDA	OBUDU	350	99.557	314.6
17/03/2023	AIR FRANCE	A332	FGZCH	AFR 901	FKYS	LFPG	TAKUM	MIMBA	380	7.494	23.68
17/03/2023	QATAR AIRWAYS	B788	A7BCJ	QTR 1423	OTHH	DGAA	GATAG	POLTO	360	7.494	23.68
17/03/2023	QATAR AIRWAYS	B77W	A7BAI	QTR 780	SBGR	OTHH	POLTO	KELAK	330	153.08	483.74
17/03/2023	INTER JET	H25B	IKREM	IKREM	FCOD	DAAT	TAKUM	MIMBA	380/400	7.494	23.68
17/03/2023	EMIRATES AIRWAYS	B77W	A6ENV	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
17/03/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
17/03/2023	ROYAL AIR MAROC	B738	CNRGN	RAM 284	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6
17/03/2023	EMIRATE AIRLINE	A388	A6EUE	UAE 262	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74
17/03/2023	ETHIOPIAN AIRLINE	B788	ETATJ	ETH 908	GABS	HAAB	GANDA	ETRIS	410	46.032	145.46
17/03/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
17/03/2023	ETHIOPIAN AIRLINE	A359	ETAWO	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
17/03/2023	QATAR AIRWAYS	B788	A7BCJ	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74

17/03/2023	EMIRARE AIRWAYS	B773	A6ENV	UAE 788	DGAA	OMDB	POLTO	KELAK	350/30	153.08	483.74
17/03/2023	SKY TRUST	FA7X	9HSFL	KFE 011	DAIP	OMDB	POLTO	KELAK	430	153.08	483.74
17/03/2023	ASKY AIRLINES	B738		SKK 071	FZAA	DBBB	BIPIV	KIPSA	380	30.509	96.408
17/03/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3907	HAAB	GABS	ETRIS	GANDA	360	46.032	145.46
17/03/2023	AIR COTE D'IVOIRE	A322	TUTSW	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
17/03/2023	ETHIOPIAN AIRLINE	B788	ETASU	ETH 508	HAAB	DXXX	IKROP	POLTO	260	30.509	96.408
17/03/2023	RWANDAIR	B738	9XRWR	RWD 216	FOOL	DBBB	BIPIV	KIPSA	280	30.509	96.408
17/03/2023	ETHIOPIAN AIRLINE	B738	ETAST	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
17/03/2023	KENYA AIRWAYS	B738	5YCYE	KQA 515	DGAA	HKJK	POLTO	IKROP	350	30.509	96.408
17/03/2023	RWANDAIR	B738	9XRWR	RWD 217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
18/03/2023	ROYAL AIR MAROC	B738	CNRGI	RAM 265	GMMN	FZAA	BOVDA	OBUDU	370/390	99.557	314.6
18/03/2023	ROYAL AIR MAROC	B738	CNRGV	RAM 507C	GMMN	FKKD	BOVDA	OBUDU	350	99.557	314.6
18/03/2023	HARRIFORD	GLEX	N404NA	N404NA	DIAP	OEJN	POLTO	KELAK	450	153.08	483.74
18/03/2023	MIDDEL EAST AIRLINE	A332	ODMED	MEA 575	OLBA	DGAA	KELAK	POLTO	380	153.08	483.74
18/03/2023	ROYAL AIR MAROC	B738	CNRGV	RAM 507C	FKYS	GMMN	OBUDU	BOVDA	340	99.557	314.6
18/03/2023	TAG AVIATION	GLFT	9HASB	TEU 9	FZAA	EGLF	EBIMU	ENBUT	430	15.522	49.05
18/03/2023	QATAR AIRWAYS	B77W	A7BEX	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
18/03/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 909	HAAB	GABS	ETRIS	GANDA	380/400	46.032	145.46
18/03/2023	EGYPT AIRLINE	B738	SUGEH	MSR 881	HECA	DGAA	GATAG	POLTO	360/380	7.494	23.68
18/03/2023	ETHIOPIAN AIRLINE	B738	ETAYC	ETH 3954	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
18/03/2023	EMIRATE AIRLINE	A388	A6EGL	UAE 262	SBGR	OMDB	POLTO	KELAK	350/370	153.08	483.74

18/03/2023	ETHIOPIAN AIRLINE	A359	ETAYB	ETH 934	DIAP	HAAB	GANDA	ETRIS	370	46.032	145.46
18/03/2023	EMIRATE	B77L	A6EWD	UAE 248	SBGL	OMDB	POLTO	KELAK	350/370	153.08	483.74
18/03/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH 916	DXXX	HAAB	POLTO	GATAG	350	7.494	23.68
18/03/2023	QATAR AIRWAYS	B77W	A7BEM	QTR 774	SBGR	OTHH	POLTO	KELAK	330/350	153.08	483.74
18/03/2023	ETHIOPIAN AIRLINE	A359	ETAYN	ETH 920	DGAA	HAAB	POLTO	GATAG	370	7.494	23.68
18/03/2023	MIDDEL EAST AIRLINE	A332	ODME B	MEA 576	DGAA	OLBA	POLTO	KELAK	370/350/330	153.08	483.74
18/03/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
18/03/2023	ROYAL AIR MAROC	B738	CNRGK	RAM 4843	GMMN	FCBB	BOVDA	OBUDU	410	99.557	314.6
18/03/2023	KLM	B77W	PHBVO	KLM 199	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
18/03/2023	EGYPT AIRLINE	B738	SUGEH	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
18/03/2023	FRV	B738	CNMVI	FRV 1203	LFPB	FOOL	BOVDA	OBUDU	370/390/370	99.557	314.6
18/03/2023	EMIRATES AIRWAYS	B77W	A6EPS	UAE 788	DGAA	OMDB	POLTO	KELAK	330/350	153.08	483.74
18/03/2023	BEST FLY	F900	P4BFV	BFY 551P	FCBB	LEMG	EBIMU	ENBUT	360/380	15.522	49.05
18/03/2023	QATAR AIRWAYS	B788	A7BCK	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
18/03/2023	BRUSSELS AIRLINE	A333	OOSFD	BEL 379	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
18/03/2023	AIR FRANCE	A332	FGZCE	AFR 775	FKYS	LFPG	TAKUM	MIMBA	340/360	7.494	23.68
18/03/2023	KLM	B789	PHBHD	KLM 595	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
18/03/2023	BRUSSELS AIRLINES	A333	OOSFF	BEL 358	FZAA	EBBR	EBIMU	ENBUT	400	15.522	49.05
18/03/2023	ROYAL AIR MAROC	B738	CNRGT	RAM 266	FOOL	GMMN	BIPIV	TENTU	360	0	0
18/03/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH 3955	HAAB	DXXX	IKROP	POLTO	360	30.509	96.408
18/03/2023	ETHIOPIAN AIRLINE	B788	ETATK	ETH 516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408

18/03/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH 512	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
18/03/2023	ETHIOPIAN AIRLINE	B738	ETASJ	ETH 917	HAAB	DBBB	IKROP	POLTO	400	30.509	96.408
18/03/2023	EMIRATES AIRWAYS	B773	A6EPS	UAE 9FE	OMDB	DGAA	IKROP	POLTO	360	30.509	96.408
18/03/2023	FMG AIR	GLT7	VHFMG	VHFMG	FCBB	DBBB	BIPIV	KIPSA	430	30.509	96.408
19/03/2023	EMIRATE AIRWAYS	B77W	A6ENG	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
19/03/2023	EMIRARE AIRWAYS	B77W	A6ENG	UAE 795	OMDB	GUCY	ETRIS	GANDA	340	46.032	145.46
19/03/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 284	FKKD	GMMN	OBUDU	BOVDA	360	99.557	314.6
19/03/2023	ETHIOPIAN AIRLINE	B788	ETAUM	ETH 909	HAAB	GABS	ETRIS	GANDA	380/400	46.032	145.46
19/03/2023	VISTA JET	CL 60	9HUFH	VJT 534	DGAA	HECA	POLTO	KELAK	370/390	153.08	483.74
19/03/2023	EMIRATE AIRLINE	A388	A6EUE	UAE 262	SBGR	OMDB	POLTO	KELAK	350	153.08	483.74
19/03/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 285	GMMN	FKKD	BOVDA	OBUDU	370	99.557	314.6
19/03/2023	QATAR AIRWAYS	B788	A7BCW	QTR 1423	OTHH	DGAA	GATAG	POLTO	400/430	7.494	23.68
19/03/2023	ETHIOPIAN AIRLINE	B788	ETA 00	ETH 908	GABS	HAAB	GANDA	ETRIS	350/330	46.032	145.46
19/03/2023	QATAR AIRWAYS	B77W	A7BAB	QTR 774	SBGR	OTHH	POLTO	KELAK	330/350	153.08	483.74
19/03/2023	ETHIOPIAN AIRLINE	B788	ETATK	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
19/03/2023	ETHIOPIAN AIRLINE	A359	ETASG	ETH 513	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
19/03/2023	ETHIOPIAN AIRLINE	A359	ETAZI	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
19/03/2023	AIR FRANCE	A332	FGZCE	AFR 926	LFPG	FOOL	MIMBA	TAKUM	390/370	7.494	23.68
19/03/2023	BEST FLY	GLEX	P4BFW	BFY 550R	LFPB	FCBB	ENBUT	EBIMU	410	15.522	49.05
19/03/2023	EMIRATE AIRLINE	B77W	A6ENG	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
19/03/2023	QATAR AIRWAYS	B788	A7BCW	QTR 1424	DGAA	OTHH	POLTO	GATAG	390	7.494	23.68

19/03/2023	BRUSSELS AIRLINE	A333	OOSFE	BEL 383	FKYS	EBBR	TAKUM	MIMBA	360/380	7.494	23.68
19/03/2023	BRUSSELS AIRLINE	A333	OOSFD	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
19/03/2023	QATAR AIRWAYS	B77W	A7BEQ	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
19/03/2023	ROYAL AIR MAROC	B738	CNMAY	RAM 263	GMMN	FGSL	TENTU	ARDEX	370	137.56	434.69
19/03/2023	AIR COTE D'IVOIRE	A320	TUTSY	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
19/03/2023	ETHIOPIAN AIRLINE	B788	ETASI	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
19/03/2023	BEST FLY	FA90	P4BFV	BFY 551R	LPPT	FNLU	TENTU	LIREX	410	153.08	483.74
19/03/2023	VISTAJET	CL60	9HVFA	VJT 503	FOOL	DBBB	BIPIV	KIPSA	400	30.509	96.408
19/03/2023	FMG AIR	GLEX	VHFMG	VHFMG	DBBB	FCBB	KIPSA	BIPIV	450	30.509	96.408
20/03/2023	ROYAL AIR MAROC	B38M	CNMAY	RAM 291	GMMN	FNLU	BOVDA	OBUDU	370	99.557	314.6
20/03/2023	ROYAL JET	B737	A6RJA	ROJ 009	OMAA	DBBB	GATAG	POLTO	320	7.494	23.68
20/03/2023	EMIRATES AIRWAYS	B77W	A6ENS	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
20/03/2023	ETHIOPIAN AIRLINE	A359	ETAUC	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
20/03/2023	EGYPT AIRLINE	B738	SUGDZ	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
20/03/2023	EMIRATE AIRLINE	A388	A6EUG	UAE 262	SBGR	OMDB	POLTO	KELAK	370	153.08	483.74
20/03/2023	EGYPT AIRLINE	B738	SUGDZ	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
20/03/2023	EMIRARE AIRWAYS	B77L	A6EWD	UAE 248	SBGL	OMDB	POLTO	KELAK	350	153.08	483.74
20/03/2023	ETHIOPIAN AIRLINE	B738	ETAPK	ETH 916	DBBB	HAAB	POLTO	GATAG	350	7.494	23.68
20/03/2023	ETHIOPIAN AIRLINE	A350	ETATQ	ETH 920	DGAA	HAAB	POLTO	GATAG	410	7.494	23.68
20/03/2023	QATAR AIRWAYS	B773	A7BEU	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
20/03/2023	ROYAL DUTCH AIRLINE	B772	PHBQO	KLM 591	EHAM	FAOR	MIMBA	TAKUM	410	7.494	23.68

20/03/2023	ETHIOPIAN AIRLINE	B788	ETASI	ETH 509	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
20/03/2023	AIR FRANCE	A359	F4TYO	AFR 756	LEPG	FCBB	ENBUT	EBIMU	390	15.522	49.05
20/03/2023	ALPHA STAR AVIATION SERVICES	GL F4	HZSK3	HZSK3	OEA0	DIAP	GATAG	POLTO	430	7.494	23.68
20/03/2023	QATAR AIRWAYS	B77L	A7BFS	QTR 8098	OTHH	DGAA	GATAG	POLTO	340	7.494	23.68
20/03/2023	EMIRATE AIRWAYS	B77W	A6ENJ	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
20/03/2023	BRUSSELS AIRLINE	A333	OOSFX	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360/380	7.494	23.68
20/03/2023	AIR FRANCE	A332	FGZCO	AFR 901	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
20/03/2023	ROYAL AIR MAROC	B738	CNROY	RAM 267	GMMN	FOOL	TENTU	BIPIV	390	0	0
20/03/2023	VISTAJET	CL60	9HVFA	VJT503	DBBB	FCBB	KIPSA	BIPIV	390	30.509	96.408
20/03/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
20/03/2023	ETHIOPIAN AIRLINE	B738	ETAPR	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
20/03/2023	RWANDAIR	B738	9XWR Q	RWD 216	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
20/03/2023	RWANDAIR	B738	9XWR Q	RWD 217	DBBB	FOOL	KIPSA	BIPIV	390	30.509	96.408
20/03/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3508	HAAB	DXXX	IKROP	POLTO	360	30.509	96.408
21/03/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3509	DXXX	HAAB	POLTO	GATAG	410/370	7.494	23.68
21/03/2023	SWISS AIRLINE	A343	HBJMA	SWR 282	LSZH	FAOR	ENBUT	EBIMU	330	15.522	49.05
21/03/2023	LUFTHANSA	A343	DAIFC	DLH 576	EDDF	FACT	ENBUT	EBIMU	350	15.522	49.05
21/03/2023	TURKISH	A332	TCLCL	THY 672	FZAA	LTFM	EBIMU	ENBUT	340	15.522	49.05
21/03/2023	SKY FIRST	FA7X	9HSFL	KFE 011	OMDW	DIAP	GATAG	POLTO	430/450/470	7.494	23.68
21/03/2023	QATAR AIRWAYS	B77W	A7BEX	QTR 780	SBGR	OTHH	POLTO	KELAK	390	153.08	483.74
21/03/2023	QATAR AIRWAYS	B77L	A7BFA	QTR 8812	OTHH	DGAA	GATAG	POLTO	340	7.494	23.68

21/03/2023	AIRLEC AIR ESPACE	FA900	FHREG	ARL 304	LFPB	FCBB	MIMBA	TAKUM	410	7.494	23.68
21/03/2023	ETHIOPIAN AIRLINE	B789	ETAXK	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
21/03/2023	EMIRARE AIRWAYS	A388	A6EUE	UAE 262	SBGL	OMDB	POLTO	KELAK	390	153.08	483.74
21/03/2023	ETHIOPIAN AIRLINE	A359	ETAUC	ETH 908	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
21/03/2023	EMIRATE AIRLINE	B777	A6EWA	UAE 248	SBGL	OMDB	POLTO	KELAK	350	153.08	483.74
21/03/2023	ETHIOPIAN AIRLINE	A359	ETAVE	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
21/03/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH 3906	GABS	HAAB	GANDA	ETRIS	390	46.032	145.46
21/03/2023	QATAR AIRWAYS	B77W	A7BEI C	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
21/03/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
21/03/2023	AIR FRANCE	A359	FHTYL	AFR 722	LFPG	FZAA	ENBUT	EBIMU	410	15.522	49.05
21/03/2023	AIRLEC AIR ESPACE	F900	FHREG	ARL 304	FCBB	LFBO	TAKUM	MIMBA	380	7.494	23.68
21/03/2023	EMIRATE AIRLINE	B77W	A6EGK	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
21/03/2023	BRUSSELS AIRLINE	A333	OOSFG	BEL 379	FKYS	EBBR	TAKUM	MIMBA	380/360	7.494	23.68
21/03/2023	LUFTHANSA	A343	DAIFC	DLH 577	FACT	EDDF	EBIMU	ENBUT	360	15.522	49.05
21/03/2023	AIR FRANCE	A332	FGZCG	AFR 775	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
21/03/2023	ETHIOPIAN AIRLINE	B738	ETAOU	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
21/03/2023	EMIRATE AIRLINE	B77W	A6EGK	UAE 9FE	OMDB	DGAA	IKROP	POLTO	340	30.509	96.408
21/03/2023	ALLIED AIR	B738	5NTON	AJK 133	FOOL	DXXX	BIPIV	KIPSA	410	30.509	96.408
21/03/2023	MAURITANIAN AIRLINES	B738	5TCLE	MAI 005	FEFF	DBBB	IKROP	POLTO	360	30.509	96.408
22/03/2023	BRUSSELS AIRLINE	A333	OOSFB	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	360	15.522	49.05
22/03/2023	LUFTHANSA	A333	DAIKO	DLH 560	EDDF	FNLU	ENBUT	EBIMU	370	15.522	49.05

22/03/2023	MIDDEL EAST AIRLINE	A332	ODMEA	MEA 575	OLBA	DGAA	KELAK	POLTO	380	153.08	483.74
22/03/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH 3916	DBBB	OMDB	POLTO	GATAG	390	7.494	23.68
22/03/2023	ETHIOPIAN AIRLINE	A359	ETATQ	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
22/03/2023	EMIRATE AIRLINE	B77W	A6EGM	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
22/03/2023	EGYPT AIRLINE	B738	SUGEN	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
22/03/2023	ALPHA STAR AVIATION SERVICES	GLF4	HZSK3	HZSK3	DIAP	OEMA	POLTO	GATAG	410	7.494	23.68
22/03/2023	ETHIOPIAN AIRLINE	A359	ETAVC	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
22/03/2023	LUX AVIATION	F900	FGPNJ	LEA 165J	LFPB	FZAA	ENBUT	EBIMU	410	15.522	49.05
22/03/2023	ETHIOPIAN AIRLINE	B738	ETAQN	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
22/03/2023	ETHIOPIAN AIRLINE	B789	ETAXK	ETH 908	GABS	HAAB	GANDA	ETRIS	370/390	46.032	145.46
22/03/2023	ETHIOPIAN AIRLINE	A359	ETAWN	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
22/03/2023	MIDDEL EAST AIRLINE	A332	ODMEA	MEA 576	DGAA	OLBA	POLTO	KELAK	390	153.08	483.74
22/03/2023	ETHIOPIAN AIRLINE	B788	ETAOU	ETH 509	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
22/03/2023	EGYPT AIRLINE	B738	SUGEN	MSR 882	DGAA	HECA	POLTO	GATAG	350	7.494	23.68
22/03/2023	QATAR AIRWAYS	B788	A7BCV	QTR 1424	DGAA	OTHH	POLTO	GATAG	390	7.494	23.68
22/03/2023	EMIRATE AIRLINE	B77W	A6EGM	UAE 788	DGAA	OMDB	POLTO	KELAK	350/370	153.08	483.74
22/03/2023	BRUSSELS AIRLINE	A333	OOSFB	BEL 358	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
22/03/2023	BRUSSELS AIRLINE	A332	OOSFH	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
22/03/2023	VIRGIN ATLANTIC	B789	GVBEL	VIR 450	FAOR	EGLL	TAKUM	MIMBA	380/400	7.494	23.68
22/03/2023	AIR FRANCE	A359	FHTYR	AFR 756	FZAA	LFPG	EBIMU	ENBUT	380	15.522	49.05

22/03/2023	QATAR AIRWAYS	B788	A7BCF	QTR 1423	OTHH	DGAA	GATAG	POLTO	400	7.494	23.68
22/03/2023	ROYAL AIR MAROC	B738	CNRGM	RAM 515F	GMMN	FOOL	TENTU	BIPIV	390	0	0
22/03/2023	VISTAJET	CL60	9HVFH	VJT 534	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
22/03/2023	VISTAJET	CL60	9HVFA	VJT 503	FOOL	DBBB	BIPIV	KIPSA	360	30.509	96.408
22/03/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
22/03/2023	ETHIOPIAN AIRLINE	B788	ETASI	ETH 516	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
22/03/2023	ETHIOPIAN AIRLINE	B788	ETAQN	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
22/03/2023	ETHIOPIAN AIRLINE	B788	ETAOS	ETH 512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
22/03/2023	VISTAJET	CL60	9HVFA	VJT 503	DBBB	FOOL	KIPSA	BIPIV	350	30.509	96.408
22/03/2023	VISTAJET	CL60	9HVFH	VJT 534	DBBB	FOOL	KIPSA	BIPIV	350	30.509	96.408
23/03/2023	BRITISH AIRWAYS	A35K	GXWBL	BAW 43	EGLL	FACT	ENBUT	EBIMU	370	15.522	49.05
23/03/2023	VIRGIN ATLANTIC	B789	GXYUM	VIR 478	EGLL	FACT	ENBUT	EBIMU	410	15.522	49.05
23/03/2023	ROYAL AIR MAROC	B738	CNRGE	RAM 297	GMMN	FCBB	BOVDA	OBUDU	370	99.557	314.6
23/03/2023	ROYAL AIR MAROC	B738	CNRNP	RAM 509	GMMN	FKYS	BOVDA	OBUDU	370	99.557	314.6
23/03/2023	EDELWEISS AIRLINE	A343	HBJMB	EDW 84	LSZH	FACT	ENBUT	EBIMU	330	15.522	49.05
23/03/2023	QATAR AIRWAYS	B77W	A7BEH	QTR 779	OTHH	SBGR	GATAG	POLTO	320	7.494	23.68
23/03/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
23/03/2023	ETHIOPIAN AIRLINE	B788	ETATG	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
23/03/2023	QATAR AIRWAYS	B77L	A7BFK	QTR 8098	OTHH	DGAA	GATAG	POLTO	320	7.494	23.68
23/03/2023	ETHIOPIAN AIRLINE	B788	ETA81	ETH 517	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
23/03/2023	ETHIOPIAN AIRLINE	A359	ETATQ	ETH 908	GABS	HAAB	GANDA	ETRIS	370	46.032	145.46

23/03/2023	AIR PORTUGAL	A339	CSTUR	TAP 282	FQMA	LPPT	TAKUM	MIMBA	400	7.494	23.68
23/03/2023	ETHIOPIAN AIRLINE	A359	ETAWO	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
23/03/2023	ETHIOPIAN AIRLINE	B788	ETAOS	ETH 513	DXXX	HAAB	POLTO	GATAG	370	7.494	23.68
23/03/2023	LUX AVIATION	F900	FGPNJ	LEA 165J	FZAA	LFPB	TAKUM	MIMBA	360/380	7.494	23.68
23/03/2023	EMIRATE AIRWAYS	B773	A6EPD	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
23/03/2023	BRUSSELS AIRLINE	A333	OOSFB	BEL 379	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
23/03/2023	OCEAN AIR	A333	DAIKD	OCN 133	FYMH	EDDF	EBIMU	ENBUT	380	15.522	49.05
23/03/2023	ROYAL DUTCH AIRLINE	B789	PHBHD	KLM595	EHAM	FACT	ENBUT	EBIMU	350	15.522	49.05
23/03/2023	AIR FRANCE	A332	FGZCH	AFR 901	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
23/03/2023	BRITISH AIRWAYS	A388	GXLEF	BAW 56	FAOR	EGLL	TAKUM	MIMBA	380	7.494	23.68
23/03/2023	VIRGIN ATLANTIC	B789	GVCRU	VIR 478	EGLL	FACT	ENBUT	EBIMU	390	15.522	49.05
23/03/2023	ROYAL AIR MAROC	B738	CNROY	RAM 263	GMMN	FGSL	TENTU	ARDEX	370	137.56	434.69
23/03/2023	AIR COTE D'IVOIRE	A320	TUTSV	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
23/03/2023	ETHIOPIAN AIRLINE	A359	ETAWO	ETH 921	HAAB	DGAA	IKROP	POLTO	400	30.509	96.408
23/03/2023	EMIRATE AIRWAYS	B773	A6EPD	UAE 9FE	OMDB	DGAA	IKROP	POLTO	340	30.509	96.408
23/03/2023	EMIRATE AIRWAYS	B77L	A6EFT	UAE 9329	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
24/03/2023	BRITISH AIRWAYS	A388	GXLEL	BAW 54	FAOR	EGLL	TAKUM	MIMBA	360	7.494	23.68
24/03/2023	ROYAL AIR MAROC	B738	CNROL	RAM 285	GMMN	FKKD	BOVDA	OBUDU	370	99.557	314.6
24/03/2023	KLM	B772	PHBQC	KLM 592	FAOR	EHAM	TAKUM	MIMBA	360	7.494	23.68
24/03/2023	QATAR AIRWAYS	B788	A7BCM	QTR 1423	OTHH	DGAA	GATAG	POLTO	400	7.494	23.68
24/03/2023	JF INVESTMENT	GL7T	PPBFB	PPBFB	SBJH	OMDW	POLTO	GATAG	450	7.494	23.68

24/03/2023	EMIRATES AIRWAYS	B77W	A6EGZ	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
24/03/2023	GLOBAL JET LUXEMBOURG	F2TH	OEIEN	GLJ 93EN	LEMD	FZAA	MIMBA	TAKUM	410/450	7.494	23.68
24/03/2023	ETHIOPIAN AIRLINE	B738	ETAYL	ETH 3916	DGAA	HAAB	POLTO	GATAG	390/410	7.494	23.68
24/03/2023	ROYAL AIR MAROC	B738	CNRNU	RAM 284	FKKD	GMMN	OBUDU	BOVDA	360	99.557	314.6
24/03/2023	ETHIOPIAN AIRLINE	B788	ETATL	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
24/03/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 908	GABS	HAAB	POLTO	GATAG	390/410	7.494	23.68
24/03/2023	ETHIOPIAN AIRLINE	B38M	ETAWG	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
24/03/2023	ETHIOPIAN AIRLINE	A359	ETAVB	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
24/03/2023	AIR FRANCE	A359	FHTYL	AFR 770	LFPG	FCBB	ENBUT	EBIMU	390	15.522	49.05
24/03/2023	BADR AIRLINE	B38M	STBDS	BDR 800	FOON	DRRN	OBUDU	BOVDA	400	99.557	314.6
24/03/2023	EMIRATES AIRWAYS	B788	A6EGZ	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
24/03/2023	QATAR AIRWAYS	B787	A7BDA	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
24/03/2023	AIR COTE D'IVOIRE	A320	TUTSV	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
24/03/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 508	HAAB	DXXX	IKROP	POLTO	360	30.509	96.408
24/03/2023	ETHIOPIAN AIRLINE	B738	ETAWG	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
24/03/2023	RWANDAIR	B738	9XRW Q	RWD 216	FOOL	DBBB	BIPIV	KIPSA	400	30.509	96.408
24/03/2023	RWANDAIR	B738	9XRW Q	RWD 217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
25/03/2023	ROYAL AIR MAROC	B738	CNRGN	RAM 507C	GMMN	FKKD	BOVDA	OBUDU	370/390	99.557	314.6
25/03/2023	ROYAL AIR MAROC	B738	CNRGH	RAM 265	GMMN	FZAA	BOVDA	OBUDU	350/330	99.557	314.6
25/03/2023	ROYAL AIR MAROC	B738	CNROU	RAM 267	GMMN	FOOL	BOVDA	OBUDU	350/370	99.557	314.6
25/03/2023	BRITISH AIRWAYS	B772	GYMMA	BAW 2041	EGKK	FACT	ENBUT	EBIMU	330	15.522	49.05

25/03/2023	TURKISH	B738	TCLCO	THY 8HW	FKYS	LTFM	TAKUM	MIMBA	340	7.494	23.68
25/03/2023	CONDOR	B763	DABUD	CFG 2290	EDDF	FACT	ENBUT	EBIMU	350	15.522	49.05
25/03/2023	BRITISH AIRWAYS	B772	GYMM K	BAW 59	EGLL	FACT	ENBUT	EBIMU	350	15.522	49.05
25/03/2023	QATAR AIRWAYS	B788	A7BCU	QTR 1423	OTHH	DGAA	GATAG	POLTO	400	7.494	23.68
25/03/2023	MIDDEL EAST AIRLINE	A332	ODME B	MEA 575	OLBA	DGAA	KELAK	POLTO	380	153.08	483.74
25/03/2023	ROYAL AIR MAROC	B738	CNROK	RAM 264	FZAA	GMM N	OBUDU	BOVDA	380	99.557	314.6
25/03/2023	QATAR AIRWAYS	B77W	A7BEP	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
25/03/2023	EMIRATE AIRLINE	B77W	A6 EPL	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
25/03/2023	EGYPT AIRLINE	B738	SUDGC	MSR 881	HECA	DGAA	GATAG	POLTO	340	7.494	23.68
25/03/2023	ETHIOPIAN AIRLINE	A359	ETAVE	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
25/03/2023	ETHIOPIAN AIRLINE	B738	EATPK	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
25/03/2023	ETHIOPIAN AIRLINE	A359	EATYN	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
25/03/2023	MIDDEL EAST AIRLINE	A332	ODME B	MEA 576	DGAA	LOBA	POLTO	KELAK	370/390	153.08	483.74
25/03/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 509	DXXX	HAAB	POLTO	GATAG	390	7.494	23.68
25/03/2023	COMLUX AVIATION MULTA	B735	9HMAL	MLM 712	LEBL	FKYS	MIMBA	TAKUM	370	7.494	23.68
25/03/2023	AIR FRANCE	B77W	FGZSJ	AFR 722	LFPG	FZAA	ENBUT	EBIMU	410	15.522	49.05
25/03/2023	EGYPT AIRLINE	B738	SUGDC	MSR 887	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
25/03/2023	EMIRATES AIRWAYS	B77W	A6EPL	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
25/03/2023	QATAR AIRWAYS	B788	A7BCU	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
25/03/2023	BRUSSELS AIRLINE	A333	OOSFX	BEL 379	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68

25/03/2023	AIR FRANCE	A332	FGZCK	AFR 775	FKYS	LFPG	TAKUM	MIMBA	320/340	7.494	23.68
25/03/2023	BRUSSELS AIRLINE	A333	OOSFC	BEL 358	FZAA	EBBR	EBIMU	ENBUT	380	15.522	49.05
25/03/2023	AIR OCEAN MAROC	HS25	CNTMB	CNTMB	GMAD	FKKD	BOVDA	OBUDU	410	99.557	314.6
25/03/2023	AIR FRANCE	A359	FHTYT	AFR 722	FZAA	LFPG	EBIMU	ENBUT	360/380	15.522	49.05
25/03/2023	ROYAL AIR MAROC	B738	CNROU	RAM 266	FOOL	GMMN	BIPIV	TENTU	380	0	0
25/03/2023	ETHIOPIAN AIRLINE	B738	ETAPK	ETH 917	HAAB	DBBB	IKROP	POLTO	400	30.509	96.408
25/03/2023	ETHIOPIAN AIRLINE	B738	ETATK	ETH 516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
25/03/2023	ETHIOPIAN AIRLINE	A359	ETAYA	ETH 934	DIAP	HAAB	LIREX	IKROP	390	107.1	338.28
25/03/2023	EGYPT AIRLINE	B738	SUGDC	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
25/03/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH 521	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
26/03/2023	ROYAL AIR MAROC	B738	CNROS	RAM 285	GMMN	FKKD	BOVDA	OBUDU	350/370	99.557	314.6
26/03/2023	EMIRATES AIRWAYS	B77W	A6EGT	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
26/03/2023	ROYAL AIR MAROC	B738	CNROS	RAM 284	FKKD	GMMN	OBUDU	BOVDA	360	99.557	314.6
26/03/2023	ETHIOPIAN AIRLINE	B789	ETAYL	ETH 909	HAAB	GABS	ETRIS	GANDA	380/400	46.032	145.46
26/03/2023	EMIRATES AIRWAYS	B777	A6ECK	UAE 795	OMDB	GUCY	ETRIS	GANDA	320/340	46.032	145.46
26/03/2023	ETHIOPIAN AIRLINE	B788	ETATK	ETH 517	DXXX	HAAB	POLTO	GATAG	370	7.494	23.68
26/03/2023	ETHIOPIAN AIRLINE	A359	ETAUC	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
26/03/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH 513	DXXX	HAAB	POLTO	GATAG	370	7.494	23.68
26/03/2023	QATAR AIRWAYS	B7888	A7BDB	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
26/03/2023	AIR OCEAN MAROC	HS25	CNTMB	CNTMB	FKKD	GAAD	OBUDU	BOVDA	360/380/400	99.557	314.6
26/03/2023	AIR FRANCE	B77W	FGSQY	AFR 912	LFPG	FKYS	MIMBA	TAKUM	370	7.494	23.68

26/03/2023	EMIRATES AIRWAYS	B77W	A6EEGT	UAE 788	DGAA	OMDB	POLTO	KELAK	350/370	153.08	483.74
26/03/2023	VIRGIN ATLANTIC	B789	GVAHH	VIR 450	FAOR	EGLL	TAKUM	MIMBA	360	7.494	23.68
26/03/2023	QATAR AIRWAYS	B773	A7BEW	QTR 780	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
26/03/2023	ELITE AVIA	GL7T	9HIBI	EAU 57B	SBGR	OJAI	POLTO	KELAK	450	153.08	483.74
26/03/2023	ETHIOPIAN AIRLINE	B738	ETAPS	ETH 3913	HAAB	DFFD	ETRIS	GANDA	340	46.032	145.46
26/03/2023	ROYAL AIR MAROC	B738	CNRGM	RAM 263	GMMN	FGSL	TENTU	ARDEX	370	137.56	434.69
26/03/2023	ROYAL AIR MAROC	B738	CNRGM	RAM 262	FGSL	GMMN	ARDEX	TENTU	360	137.56	434.69
26/03/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
26/03/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
27/03/2023	AIR FRANCE	B77W	FGSQV	AFR 903	FKYS	LFPG	TAKUM	MIMBA	320	7.494	23.68
27/03/2023	ROYAL AIR MAROC	B738	CNROU	RAM 297	GMMN	FKKD	BOVDA	OBUDU	390	99.557	314.6
27/03/2023	TURKISH AIRLINE	B38M	TCLCR	THY 672	FZAA	LTFM	EBIMU	ENBUT	360	15.522	49.05
27/03/2023	ROYAL DUTCH AIRLINE	B77W	PHBVC	KLM 592	FAOR	EHAM	TAKUM	MIMBA	340	7.494	23.68
27/03/2023	AIR FRANCE	A332	FGZCH	AFR 754	FZAA	LFPG	EBIMU	ENBUT	360	15.522	49.05
27/03/2023	ROYAL AIR MAROC	B738	CNRGM	RAM 509	FKKD	GMMN	OBUDU	BOVDA	360	99.557	314.6
27/03/2023	ROYAL AIR MAROC	B738	CNROU	RAM 296	FZAA	GMMN	OBUDU	BOVDA	380	99.557	314.6
27/03/2023	ETHIOPIAN AIRLINE	B38M	ETAWK	ETH 926	DGAA	HAAB	POLTO	GATAG	370	7.494	23.68
27/03/2023	EGYPT AIRLINE	B738	SUGEM	MSR 881	HECA	DGAA	GATAG	POLTO	410	7.494	23.68
27/03/2023	ETHIOPIAN AIRLINE	B738	ETAWC	ETH 3916	DIAP	HAAB	POLTO	GATAG	410	7.494	23.68
27/03/2023	PHOENIX AIR	GLF4	N48GL	GRB 558	FKYS	EDDS	TAKUM	MIMBA	400	7.494	23.68
27/03/2023	ETHIOPIAN AIRLINE	B789	ETAYC	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46

27/03/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3954	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
27/03/2023	AIR BELGIUM	A332	DELCL	ABB 1	FACT	EBBR	TAKUM	MIMBA	380	7.494	23.68
27/03/2023	ETHIOPIAN AIRLINE	B738	ETAPK	ETH 8602	FEFF	DRRN	GADUV	BOVDA	380	76.541	241.57
27/03/2023	ETHIOPIAN AIRLINE	B789	ETAXL	ETH 908	GABS	HAAB	GANDA	ETRIS	370	46.032	145.46
27/03/2023	ETHIOPIAN AIRLINE	B359	ETATR	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
27/03/2023	ETHIOPIAN AIRLINE	B738	ETAWG	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
27/03/2023	ETHIOPIAN AIRLINE	A359	ETAWN	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
27/03/2023	AIR FRANCE	B772	FGSPO	AFR 736	LFPG	FCBB	ENBUT	EBIMU	370	15.522	49.05
27/03/2023	ETHIOPIAN AIRLINE	B788	ETAOO	ETH 509	DXXX	HAAB	POLTO	GATAG	350	7.494	23.68
27/03/2023	EGYPT AIRLINE	B738	SUGEM	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
27/03/2023	EMIRATES AIRWAYS	B773	A6EGY	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
27/03/2023	ETHIOPIAN AIRLINE	B738	ETAWC	ETH 3913	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
27/03/2023	BRUSSELS AIRLINE	A333	OOSFQ	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360/380	7.494	23.68
27/03/2023	AIR FRANCE	B789	FHRBH	AFR 977	FOOL	LFPG	TAKUM	MIMBA	360	7.494	23.68
27/03/2023	ETHIOPIAN AIRLINE	B738	ETAWC	ETH 3912	DXXX	HAAB	POLTO	GATAG	410	7.494	23.68
27/03/2023	AIR FRANCE	B77W	FGZNU	AFR 903	FKYS	LFPG	TAKUM	MIMBA	340	7.494	23.68
27/03/2023	ROYAL AIR MAROC	B738	CNRGN	RAM 267	GMMN	FOOL	TENTU	BIPIV	370	0	0
27/03/2023	ETHIOPIAN AIRLINE	B738	ETAWK	ETH 927	HAAB	DGAA	IKROP	POLTO	380	30.509	96.408
27/03/2023	ROYAL AIR MAROC	B738	CNRGN	RAM 266	FOOL	GMMN	BIPIV	TENTU	380	0	0
27/03/2023	ETHIOPIAN AIRLINE	B738	ETAVX	ETH 3955	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
27/03/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 516	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408

27/03/2023	ETHIOPIAN AIRLINE	B737	ETAWG	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
27/03/2023	RWANDAIR	B738	9XRWG	RWD 216	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
27/03/2023	EMIRATES AIRWAYS	B773	A6EGY	UAE9FE	OMDB	DGAA	IKROP	POLTO	360	30.509	96.408
27/03/2023	RWANDAIR	B738	9XRWG	RWD 217	DBBB	FOOL	KIPSA	BIPIV	370	30.509	96.408
27/03/2023	KENYA AIRWAYS	B738	5YCYA	KQA 509	DGAA	HKJK	POLTO	IKROP	350	30.509	96.408
28/03/2023	NATIONAL CARGO AIRLINE	B744	N729CA	NCR 846	OMDW	DGAA	GATAG	POLTO	320	7.494	23.68
28/03/2023	ROYAL AIR MAROC	B38M	CNMAX	RAM 265	GMMN	FZAA	BOVDA	OBUDU	350	99.557	314.6
28/03/2023	TURKISH	B38M	TCLCR	THY 7KC	FKYS	LTFM	TAKUM	MIMBA	320	7.494	23.68
28/03/2023	BRITISH AIRWAYS	A388	GXLEI	BAW 57K	EGLL	FAOR	ENBUT	EBIMU	350	15.522	49.05
28/03/2023	ETHIOPIAN AIRLINE	B38M	ETAZA	ETH 8925	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
28/03/2023	ETHIOPIAN AIRLINE	B738	ETAPK	ETH 8603	DRRN	FCFF	BOVDA	GADUV	350	76.541	241.57
28/03/2023	EMIRATES AIRWAYS	B77W	A6EGZ	UAE 9FE	OMDB	DGAA	GATAG	POLTO	400	7.494	23.68
28/03/2023	ETHIOPIAN AIRLINE	B789	ETAXK	ETH 909	HAAB	GABS	ETRIS	GANDA	400	46.032	145.46
28/03/2023	ETHIOPIAN AIRLINE	B789	ETAYC	ETH 908	GABS	HAAB	GANDA	ETRIS	370	46.032	145.46
28/03/2023	ETHIOPIAN AIRLINE	A359	ETAWP	ETH 920	DGAA	HAAB	POLTO	GATAG	370	7.494	23.68
28/03/2023	ETHIOPIAN AIRLINE	B788	ETARF	ETH 517	DXXX	HAAB	POLTO	GATAG	370	7.494	23.68
28/03/2023	KLM	B77W	PHBVN	KLM 119	EHAM	FACT	ENBUT	EBIMU	330	15.522	49.05
28/03/2023	AIR FRANCE	B772	FGSPJ	AFR 722	LFPG	FCBB	ENBUT	EBIMU	370	15.522	49.05
28/03/2023	AIR ANGOLA	A343	9HSUN	DTA 652	FNLU	LPPT	TAKUM	MIMBA	360	7.494	23.68
28/03/2023	EMIRATES AIRWAYS	B773	A6EGZ	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
28/03/2023	BRUSSELS AIRLINE	A333	OOSFX	BEL 379	FKYS	EBBR	TAKUM	MIMBA	380	7.494	23.68

28/03/2023	ETHIOPIAN AIRLINE	B38M	ETAWJ	ETH 928	DGAA	HAAB	POLTO	GATAG	350	7.494	23.68
28/03/2023	AIR FRANCE	B772	FGSPD	AFR 775	FKYS	LFPG	TAKUM	MIMBA	340	7.494	23.68
28/03/2023	MC DAN AVIATION	CL604	T7-MCDAN	MDN 111	DGAA	OMDB	POLTO	KELAK	370	153.08	483.74
28/03/2023	BRUSSELS AIRLINE	A333	OOSFB	BEL 359R	FZAA	EBBR	EBIMU	ENBUT	360	15.522	49.05
28/03/2023	ALLIED AIR	B734	5NRKT	AJK 133	FOOL	DXXX	BIPIV	KIPSA	340	30.509	96.408
28/03/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH 508	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
28/03/2023	GROUPE TRANSAIR	B735	6VATD	GTS 3043	GABS	FOOL	KIPSA	BIPIV	350	30.509	96.408
28/03/2023	ETHIOPIAN AIRLINE	B738	ETAWJ	ETH 929	HAAB	DGAA	IKROP	POLTO	400	30.509	96.408
29/03/2023	ROYAL AIR MAROC	B38M	CNMAX	RAM 291	GMMN	FNLU	BOVDA	OBUDU	350	99.557	314.6
29/03/2023	ACASS CANADA	GLFT	MLWCW	MLWCW	FZAA	EGSS	TAKUM	MIMBA	430	7.494	23.68
29/03/2023	MIDDEL EAST AIRLINE	A332	ODMEA	MEA 575	OLBA	DGAA	KELAK	POLTO	380	153.08	483.74
29/03/2023	EMIRATES AIRWAYS	B77W	A6ENR	UAE 9FE	OMDB	DGAA	GATAG	POLTO	360	7.494	23.68
29/03/2023	EGYPT AIRLINE	B738	SUGEG	MSR 881	HECA	DGAA	GATAG	POLTO	360	7.494	23.68
29/03/2023	ETHIOPIAN AIRLINE	B738	ETAWO	ETH 909	HAAB	DRRN	ETRIS	GANDA	400	46.032	145.46
29/03/2023	MIDDEL EAST AIRLINE	A332	ODMEA	MEA 576	DGAA	OLBA	POLTO	KELAK	390	153.08	483.74
29/03/2023	ETHIOPIAN AIRLINE	A359	ETAVC	ETH 934	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
29/03/2023	ETHIOPIAN AIRLINE	A359	ETATQ	ETH 920	DGAA	HAAB	POLTO	GATAG	390	7.494	23.68
29/03/2023	ETHIOPIAN AIRLINE	B38M	ETAWJ	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
29/03/2023	QATAR AIRWAYS	B77W	A7BET	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
29/03/2023	COMLUX AVIATION MULTA	B735	9HMAC	MLM 712	FKYS	LEBL	TAKUM	MIMBA	360	7.494	23.68

29/03/2023	QATAR AIRWAYS	B788	A7BCD	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
29/03/2023	BRUSSELS AIRLINE	A333	OOSFD	BEL 357	EBBR	FZAA	ENBUT	EBIMU	370	15.522	49.05
29/03/2023	EGYPT AIRLINE	B738	SUGEG	MSR 882	DGAA	HECA	POLTO	KELAK	350	153.08	483.74
29/03/2023	ETHIOPIAN AIRLINE	B788	ETATI	ETH 8943	DIAP	HAAB	POLTO	GATAG	390	7.494	23.68
29/03/2023	AIR FRANCE	B772	FGSPN	AFR 912	LFPG	FKYS	MIMBA	TAKUM	370/390	7.494	23.68
29/03/2023	EMIRATES AIRWAYS	B77W	A6ENR	UAE 788	DGAA	OMDB	POLTO	KELAK	350	153.08	483.74
29/03/2023	BRUSSELS AIRLINE	A333	OOSFF	BEL 360	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
29/03/2023	BRUSSELS AIRLINE	A333	OOSFD	BEL 358	FZAA	EBBR	EBIMU	ENBUT	360	15.522	49.050
29/03/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE 825	FOOL	DBBB	BIPIV	KIPSA	350	30.509	96.408
29/03/2023	ETHIOPIAN AIRLINE	B788	ETAOV	ETH 516	HAAB	DXXX	IKROP	POLTO	380	30.509	96.408
29/03/2023	ETHIOPIAN AIRLINE	B788	ETAOP	ETH 512	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
29/03/2023	ETHIOPIAN AIRLINE	B788	ETASG	ETH 509	DXXX	HAAB	POLTO	IKROP	390	30.509	96.408
29/03/2023	SKYFIRST LTD. MALTA	FA7X	9HSFL	KFE 012	KTEB	FOOL	KIPSA	BIPIV	470	30.509	96.408
30/03/2023	AIR FRANCE	B772	FGSPN	AFR 903	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
30/03/2023	ROYAL AIR MAROC	B738	CWRGI	RAM 297	GMMN	FCBB	BOVDA	OBUDU	370/390	99.557	314.6
30/03/2023	EDELWEISS AIRLINE	A343	HBJMF	EDW 84	LSZH	FACT	ENBUT	EBIMU	330	15.522	49.05
30/03/2023	ROYAL AIR MAROC	B738	CNROY	RAM 509	FKKD	GMMN	OBUDU	BOVDA	340	99.557	314.6
30/03/2023	ETHIOPIAN AIRLINE	B38M	ETAXG	ETH 926	DGAA	HAAB	POLTO	GATAG	370	7.494	23.68
30/03/2023	ROYAL AIR MAROC	B738	CNRGI	RAM 296	FKKD	GMMN	OBUDU	BOVDA	350	99.557	314.6
30/03/2023	EMIRATES AIRWAYS	B77W	A6EPA	UAE 9FE	OMDB	DGAA	GATAG	POLTO	340	7.494	23.68
30/03/2023	EMIRATES AIRWAYS	B77W	A6EBU	UAE 797	OMDB	GUCY	ETRIS	GANDA	320	46.032	145.46

30/03/2023	ETHIOPIAN AIRLINE	B789	ETAUP	ETH 909	HAAB	GABS	ETRIS	GANDA	380	46.032	145.46
30/03/2023	BEST FLY	F900	P4BFV	BFY 558P	LFPB	FCBB	ENBUT	EBIMU	410	15.522	49.05
30/03/2023	AIR FRANCE	B772	FGSPN	AFR 722	LFPG	FCBB	ENBUT	EBIMU	370	15.522	49.05
30/03/2023	AIR FRANCE	B772	FGSPG	AFR 912	LFPG	FKYS	MIMBA	TAKUM	390	7.494	23.68
30/03/2023	EMIRATES AIRWAYS	B77W	A6EPA	UAE 788	DGAA	OMDB	POLTO	KELAK	350/370	153.08	483.74
30/03/2023	BRUSSELS AIRLINE	A333	OOSFB	BEL 379	FKYS	EBBR	TAKUM	MIMBA	360/380	7.494	23.68
30/03/2023	AIR FRANCE	B772	FGSPN	AFR 722	FZAA	LFPG	TAKUM	MIMBA	360	7.494	23.68
30/03/2023	ETHIOPIAN AIRLINE	B788	ETASH	ETH 8499	DGAA	HAAB	POLTO	GATAG	410	7.494	23.68
30/03/2023	AIR FRANCE	B772	FGSPG	AFR 903	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
30/03/2023	ROYAL AIR MAROC	B738	CNROH	RAM 263	GMMN	FGSL	TENTU	ARDEX	350	137.56	434.69
30/03/2023	ETHIOPIAN AIRLINE	B738	ETAXG	ETH 927	HAAB	DGAA	IKROP	POLTO	400	30.509	96.408
30/03/2023	AIR COTE D'IVOIRE	A320	TUTSW	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
30/03/2023	EMIRATES AIRWAYS	B77L	A6EFL	UAE 9913	OMDW	DGAA	IKROP	POLTO	340	30.509	96.408
31/03/2023	ROYAL AIR MAROC	B38M	CNRMA Y	RAM 265	GMMN	FZAA	BOVDA	OBUDU	370	99.557	314.6
31/03/2023	ROYAL AIR MAROC	B738	CNRGN	RAM 285	GMMN	FKKD	BOVDA	OBUDU	350/370	99.557	314.6
31/03/2023	LUFTHANSA	A333	DAIKL	DLH 560	EDDF	FNLU	ENBUT	EBIMU	370	15.522	49.05
31/03/2023	QATAR AIRWAYS	B77W	A7BEL	QTR 780	SBGR	OTHH	POLTO	KELAK	330/350	153.08	483.74
31/03/2023	EMIRATES AIRWAYS	B77W	A6ECL	UAE 795	OMDB	GUCY	ETRIS	GANDA	380	46.032	145.46
31/03/2023	ROYAL AIR MAROC	B738	CNRGN	RAM 284	FKKD	GMMN	OBUDU	BOVDA	340/360	99.557	314.6
31/03/2023	EGYPT AIRLINE	B738	SUGDB	MSR 881	HECA	DGAA	GATAG	POLTO	380	7.494	23.68
31/03/2023	EMIRATES AIRWAYS	A388	A6EUH	UAE 262	SBGR	OMDB	POLTO	KELAK	350/370	153.08	483.74

31/03/2023	ETHIOPIAN AIRLINE	B789	ETAXL	ETH 909	HAAB	GABS	ETRIS	GANDA	380/400	46.032	145.46
31/03/2023	QATAR AIRWAYS	B77W	A7BEQ	QTR 774	SBGR	OTHH	POLTO	KELAK	350	153.08	483.74
31/03/2023	ETHIOPIAN AIRLINE	B38M	ETAWG	ETH 916	DBBB	HAAB	POLTO	GATAG	370	7.494	23.68
31/03/2023	QATAR AIRWAYS	B788	A7BCH	QTR 1424	DGAA	OTHH	POLTO	KELAK	390	153.08	483.74
31/03/2023	AIR FRANCE	B772	FGSPM	AFR 754	LFPG	FCBB	ENBUT	EBIMU	370	15.522	49.05
31/03/2023	EGYPT AIRLINE	B738	SUGDB	MSR 882	DGAA	HECA	POLTO	KELAK	350/370	153.08	483.74
31/03/2023	EMIRATES AIRWAYS	B777	A6EPU	UAE 788	DGAA	MODB	POLTO	KELAK	330	153.08	483.74
31/03/2023	BRUSSELS AIRLINE	A333	OOSFB	BEL 369	FKYS	EBBR	TAKUM	MIMBA	360	7.494	23.68
31/03/2023	ETHIOPIAN AIRLINE	B38M	ETAUM	ETH 928	DGAA	HAAB	POLTO	GATAG	370	7.494	23.68
31/03/2023	AIR FRANCE	B772	FGSPU	AFR 754	FZAA	LFPG	TAKUM	MIMBA	360	7.494	23.68
31/03/2023	AIR FRANCE	B772	FGSPM	AFR 775	FKYS	LFPG	TAKUM	MIMBA	360	7.494	23.68
31/03/2023	BRUSSELS AIRLINE	A333	OOSFH	BEL 358	FZAA	EBBR	TAKUM	MIMBA	380	7.494	23.68
31/03/2023	LUFTHANSA	B748	DABYJ	DLH 573	FAOR	EDDF	EBIMU	ENBUT	340	15.522	49.05
31/03/2023	LUFTHANSA	A333	DAIKL	DLH 561	FNLU	EDDF	EBIMU	ENBUT	360	15.522	49.05
31/03/2023	AIR COTE D'IVOIRE	A319	TUTSZ	VRE 805	DIAP	FKKD	EDUKO	ARDEX	370	145.05	458.37
31/03/2023	AIR COTE D'IVOIRE	A328	TUTSW	VRE 825	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
31/03/2023	EMIRATES AIRWAYS	B773	A6EPU	UAE 9FE	OMDB	DGAA	IKROP	POLTO	360	30.509	96.408
31/03/2023	ETHIOPIAN AIRLINE	B788	ETARE	ETH 508	HAAB	DXXX	IKROP	POLTO	400	30.509	96.408
31/03/2023	ETHIOPIAN AIRLINE	B737	ETAWG	ETH 917	HAAB	DBBB	IKROP	POLTO	380	30.509	96.408
31/03/2023	RWANDAIR	B737	9XRWK	RWD 216	FOOL	DBBB	BIPIV	KIPSA	380	30.509	96.408
31/03/2023	KENYA AIRWAYS	B737	5YCYE	KQA 515	DGAA	HKNA	POLTO	IKROP	350	30.509	96.408

31/03/2023	RWANDAIR	B737	9XRWK	RWD 217	DBBB	FOOL	KIPSA	BIPIV	390	30.509	96.408
31/03/2023	ETHIOPIAN AIRLINE	B737	ETAVM	ETH 929	HAAB	DGAA	IKROP	POLTO	400	30.509	96.408
										42536.848	134415.736

APPENDIX B - Air Traffic Management Measures Quantified

Category	Sub-category	Measure (References)	Rule of thumb	Estimate
Improve nt air traffic manageme nt and infrastructu re use	More efficient ATM planning, ground operations, terminal operations, en-route operations, airspace design and usage, aircraft air navigation capabilities.	Measures to improve fuel efficient departures and approach procedures CDO	FS= 60kg (0.06 tonnes) of fuel x number of CDOs	1) Year 2021 Arrival movements= 16384 Expert judgment estimates that 100% of arrivals make use of CDO at off peak hours which account for 35% of the traffic movements. 35% of 16384 = .35x16384=57 34.4CDOs FS = 0.06x 5734.4=344.0 64 tonnes (344064kg) 2) Year 2022

				Arrival movements =20110 .35x20110 =7038.5 CDOs FS=0.06x7038.5 CDOs=422.31 Tonnes (422310kg) 3) Year 2023 Arrival movements =13871 .35x13871=4854.85 CDOs FS = 0.06x4854.85 =291.291tonnes (291291kg)
		Measures to improve fuel efficient departures and approach procedures PBN STAR	FS= 20kg to 50kg of fuel (0.02 to 0.05 tonnes) x number of arrivals on PBN STAR	1) Year 2021 Total Arrivals = 16384 Currently 16 airports have implemented PBN which is

			estimated to be used by 16384 arrival movements. Expert judgement is that 100% of these arrivals fly the PBN STAR. The annual fuel savings can be estimated as: 0.02x16384= 327.68 tonnes (327,680kg) of fuel saved (low end of range) 0.05x16384 =819.2 tonnes (819,200kg) of fuel saved (high end of range) 2) Year 2022 Total Arrivals = 20110
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			Annual fuel savings is estimated as: 0.02 x 20110 = 402.2 tonnes (402200kg) of fuel saved (lower end of range) 0.05 x 20110 = 1005.5 tonnes (1,005,500kg) of fuel saved (higher end of range) 3) Year 2023 Total Arrivals = 13871 Annual fuel savings is estimated as: 0.02 x 13871 = 277.42 tonnes (277,420kg) of fuel saved (low end of range)
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				0.05 x 13871 = 693.55 tonnes (693,550kg) of fuel saved (high end of range)
		Measures to improve fuel efficient departures and approach procedures CCO	FS=90-150 KG (0.09-0.15 tonnes) of fuel x number of CCOs	1)Year 2021 Total departures = 16152 flights. Currently 4 airports offer CCO which accounts for approximately 16072 departure movements. Expert judgement estimates that CCO is performed by 80% of departures which equals $0.8 \times 16072 = 12857.6$ departure movements.

				The annual fuel savings can be estimated as: 0.09 x 12857.6 = 1157.184(1,157,184kg) tonnes of fuel saved (low end of range) 0.15 x12857.6 =1928.64tonnes (1,928,640kg) of fuel saved (high end of range) 2) Year 2022 Total departures = 19724 flights. International departures from 4 airport offering CCO =19449 0.8 X19449 = 15559.5 departure movements.
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			The annual savings can be estimated as: 0.09 x 15559.5 = 1400.328tonnes (1,400,328kg) of fuel saved (low end of range) 0.15 x 15559.5 =2333.925 tonnes (2,333,925kg) of fuel saved (high end of range) 3) Year 2023 Total departures = 13856 flights International departures from 4 airport offering CCO =13539 departures 0.8 x 13539 = 11664.8
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				departure movements. The annual savings can be estimated as: 0.09 x 11664.8 = 1049.832 tonnes (1,049,832kg) of fuel saved (low end of range) 0.15 x 11664.8 = 1749.72 tonnes (1,749,720kg) of fuel saved (high end of range)
		Measures to improve fuel efficient departures and approach procedures PBN SID	FS= 0 kg to 30kg of fuel (0 to 0.03 tonnes) x number of departure movements on PBN SID	1) Year 2021 Total international departures= 16152 flights.

			Currently 4 international airports have implemented SID which is estimated to be used by 16152 departure movements. Expert judgement is that 100% of these departures fly the PBN SID The annual fuel savings can be estimated as: 0.0x16152 =0 tonnes of fuel saved (low end of range) 0.03x16152 = 484.56 tonnes (484,560kg) of fuel saved (high end of range). 2) Year 2022 0.0 x 19724=0 tonnes of fuel
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				saved (low end of range) 0.03 x 19724 =591.72 tonnes (591720kg) of fuel saved (high end of range) 3) Year 2023 0.0 x 13856 = 0 tonnes of fuel saved (low end of range) 0.03 x 13856 =415.68 tonnes (415,680kg) of fuel saved (higher end of range)
		Measures to improve collaborative decision making. A-CDM (non-US version)	FS= time savings (1 to 3 mins) x number of movements.	1) Year 2021 Total number of flights per year for both arrivals and departures = 32536. On the average aircraft

				at the airport burn 12kg (0.012 tonne) per minute during taxiing. The benefit of A-CDM (non-U. S version) is achieved during the total taxi phase (taxi-in and taxi-out) The annual fuel savings was estimated as: 1x.012x3253 6=390.432 tonnes (390432kg) fuel saved (low end of range) 3x.012x3253 6=1171,296 tonnes (1171296kg) of fuel saved (high end of range) 2) Year 2022
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			1 x .012 x 39834 = 478.008 tonnes (478008kg) of fuel saved (low end of range) 3 x 0.12 x 39834 =1434.024 tonnes (1434024kg) of fuel saved (high end of range) 3) Year 2023 1 x 0.012 x 27727 = 332.724 tonnes (332724kg) of fuel saved (low end of range) 3 x 0.012 x 27727 = 998.172 tonnes (998,172kg) of fuel saved
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				(high end of range)
		Measures to improve collaborative decision making. A-CDM(U.S version)	FS= time savings (1 to 2 mins) x number of departure movements.	1) Year 2021 Total departures=32 536. On the average aircraft at the airport burn 12kg (0.012 tonnes) per minute during taxi. The benefit of A-CDM (U.S version) is achieved only during taxi-out phase. The annual fuel savings was estimated as: 1x0.012x32536 =390.432tonnes (390432kg) of fuel saved

			(low end of range) 2x.012x32536 = 780.864 tonnes (780864kg) of fuel saved (high end of range) 2) Year 2022 Total departures = 19724 The annual fuel savings was estimated as: 1 x .012 x19724 = 236.688 tonnes (236688kg) of fuel saved (low end of range) 2 x .012 x 19724 = 473.376 tonnes (473376kg) of fuel saved
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				(high end of range) 3) Year 2023 Total departures =13856 The annual fuel savings was estimated as: 1 x .012 x 13856 =166.272 tonnes (166272kg) of fuel saved (low end of range) 2 x 012 x 13856 = 332.544 tonnes (332544kg) of fuel saves (high end of range)
	More efficient ATM planning, ground operations, terminal operations,	Measures to fully utilize ADS-B surveillance	FS = number of flights in surveilled airspace x equipage x average flight	Not Available

	en-route operations, airspace design and usage, aircraft air navigation capabilities.		time (hours)x fuel burn (per hour) x number of climbs to optimal level (1-2) x fuel savings (1% to 2%)	
		Implementation of A-SMGCS surface operation (SURF) during peak periods	FS= fuel savings (0.012-0.024) x number of departuresx0.35	Not Available
		Implementation of A-SMGCS surface operation (SURF) during peak periods	FS= fuel savings (0.012-0.024) x number of departuresx0.04	Not Available

APPENDIX C - Measures to Mitigate CO₂ emissions (NAMA)

Title	CDO implementation
Description	Optimum descent trajectory from the top of descent to runway threshold.
Category	More efficient ATM planning, ground operations, terminal operations, en-route operations, airspace design and usage, aircraft air navigation capabilities.
Measure	Measures to improve fuel efficient departures and approach procedures CDO
Action	Calculation of the estimate of annual Fuel Savings (FS) using Rule of Thumb by Arriving aircraft employing CDO at off peak hours for the years 2021, 2022 and 2023.
Start Date	2021
Date of full implementation	Continuous
Implemented by	NAMA
Economic cost	Not applicable
Currency	Not applicable
Reference to existing Legislation	ICAO requirement
Legislation is proposed	—
Compliance	—voluntary — mandatory — N/A
Assistance needed	Capacity building

Assistance needed (Check more than one)	— finance — technology technical support — education — research — other
Currency for assistance needed	Not applicable
List of stakeholders involved	NAMA, Airline operators
Point of contact	Ighodaro Osazuwa

Table 3

2.

Title	CCO implementation
Description	Optimum climb trajectory from the Departure End of Runway (DER) to the top of climb with minima level up.
Category	More efficient ATM planning, ground operations, terminal operations, en-route operations, airspace design and usage, aircraft air navigation capabilities.
Measure	Measures to improve fuel efficient departures and approach procedures CCO
Action	Calculation of the estimate of annual Fuel Savings (FS) using the Rule of Thumb on STAR by arriving aircraft for the years 2021, 2022 and 2023.
Start Date	2010
Date of full implementation	Continuous

Implemented by	NAMA
Economic cost	Not applicable
Currency	Not applicable
Reference to existing Legislation	ICAO requirement
Legislation is proposed	—
Compliance	— voluntary — mandatory — N/A
Assistance needed	Capacity building
Assistance needed (Check more than one)	— finance — technology technical support — education — research — other
Currency for assistance needed	Not applicable
List of stakeholders involved	NAMA, Airline operators
Point of contact	Asifat S. Badmus / Ighodaro Osazuwa

Table 4

3.

Title	PBN STAR
Description	To link a point (ingress point) on the TMA to the initial waypoint with the most direct route segment
Category	More efficient ATM planning, ground operations, terminal operations, en-route operations, airspace design and usage, aircraft air navigation capabilities.
Measure	Measures to improve fuel efficient departures and approach procedures CCO
Action	Calculation of the estimate of annual Fuel Savings (FS) using Rule of Thumb by departing aircraft employing CCO for the years 2021, 2022 and 2023.
Start Date	2021
Date of full implementation	Continuous
Implemented by	NAMA
Economic cost	Not applicable
Currency	Not applicable
Reference to existing Legislation	ICAO requirement
Legislation is proposed	—
Compliance	— voluntary — mandatory — N/A
Assistance needed	Capacity building

Assistance needed (Check more than one)	— finance — technology technical support — education — research — other
Currency for assistance needed	Not applicable
List of stakeholders involved	NAMA, Airline operators
Point of contact	Asifat S. Badmus / Ighodaro Osazuwa

Table 3

4.

Title	PBN SID
Description	To link the Departure End of Runway (DER) to a point (egress point) on the TMA with the most direct route segment
Category	More efficient ATM planning, ground operations, terminal operations, en-route operations, airspace design and usage, aircraft air navigation capabilities.
Measure	Measures to improve fuel efficient departures and approach procedures PBN SID
Action	Calculation of the estimate of annual Fuel Savings (FS) using Rule of Thumb by departing aircraft employing CCO for the years 2021, 2022 and 2023.
Start Date	2021
Date of full implementation	Continuous
Implemented by	NAMA

Economic cost	Not applicable
Currency	Not applicable
Reference to existing Legislation	ICAO requirement
Legislation is proposed	—
Compliance	— voluntary — mandatory — N/A
Assistance needed	Capacity building
Assistance needed (Check more than one)	— finance — technology — technical support — education — research — other
Currency for assistance needed	Not applicable
List of stakeholders involved	NAMA, Airline operators
Point of contact	Asifat S. Badmus / Ighodaro Osazuwa

Table 4

5.

Title	A-CDM
Description	The effect of A-CDM on fuel consumption during taxing.
Category	More efficient ATM planning, ground operations, terminal operations, en-route operations, airspace design and usage, aircraft air navigation capabilities.

Measure	Measures to improve collaborative decision making. A-CDM (non-US version)
Action	Calculation of the estimate of annual Fuel Savings (FS) during taxiing leveraging on the benefit of A-CDM for the years 2021, 2022 and 2023.
Start Date	Not applicable
Date of full implementation	Continuous
Implemented by	NAMA
Economic cost	Not applicable
Currency	Not applicable
Reference to existing Legislation	ICAO requirement
Legislation is proposed	—
Compliance	— voluntary — mandatory — N/A
Assistance needed	Capacity building
Assistance needed (Check more than one)	— finance — technology — technical support ü education ü research — other

Currency for assistance needed	Not applicable
List of stakeholders involved	All Aviation Stakeholders.
Point of contact	Ekip E. Ekip/ Samson Akpore