



INTERNATIONAL CIVIL AVIATION ORGANIZATION WESTERN AND CENTRAL AFRICA OFFICE

**Twenty-fourth Meeting of the AFI Satellite Network Management Committee
(SNMC/24)
(Abuja, Nigeria, 14-18 November 2016)**

**AFTN AND ATS/DS CIRCUIT AVAILABILITY STATISTICS FOR KANO FLIGHT
INFORMATION REGION**



LAGOS CENTER

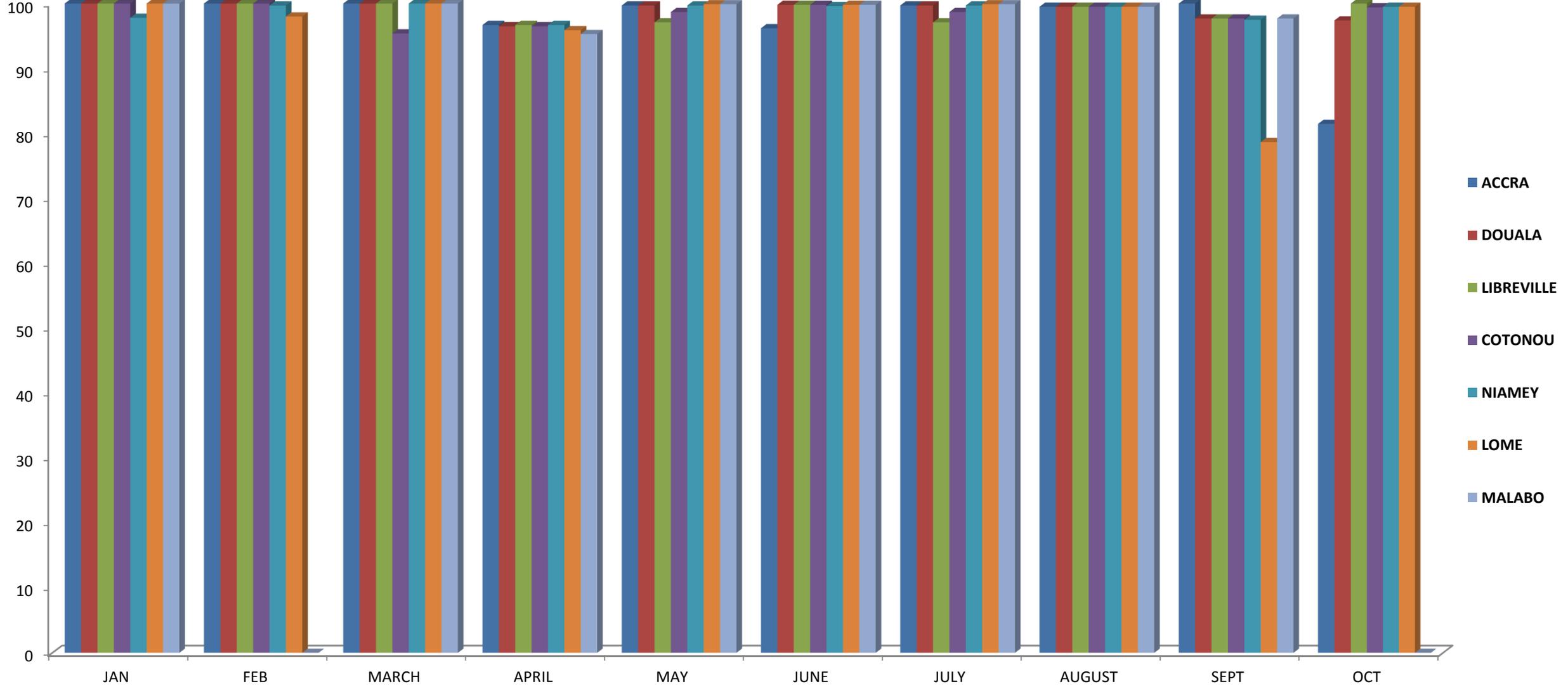
AFTN CIRCUIT AVAILABILITY FROM JANUARY TO OCTOBER 2016.



STATION MONTH	ACCRA	DOUALA	LIBREVILLE	COTONOU	NIAMEY	LOME	MALABO
	%	%	%	%	%	%	%
JAN	100	100	100	100	97.8	100	100
FEB	100	100	100	100	99.7	98.0	98.0
MARCH	100	100	100	95.4	100	100	100
APRIL	96.7	96.5	96.7	96.5	96.7	95.9	95.3
MAY	99.7	99.7	97.1	98.7	99.7	99.9	99.9
JUNE	96.2	99.8	99.8	99.8	99.6	99.8	99.8
JULY	99.7	99.7	97.1	98.7	99.7	99.9	99.9
AUGUST	99.5	99.5	99.5	99.5	99.5	99.5	99.5
SEPT	100	97.7	97.7	97.7	97.5	78.7	97.7
OCT	81.5	97.4	100	99.4	99.5	99.5	100



AFTN PLOT



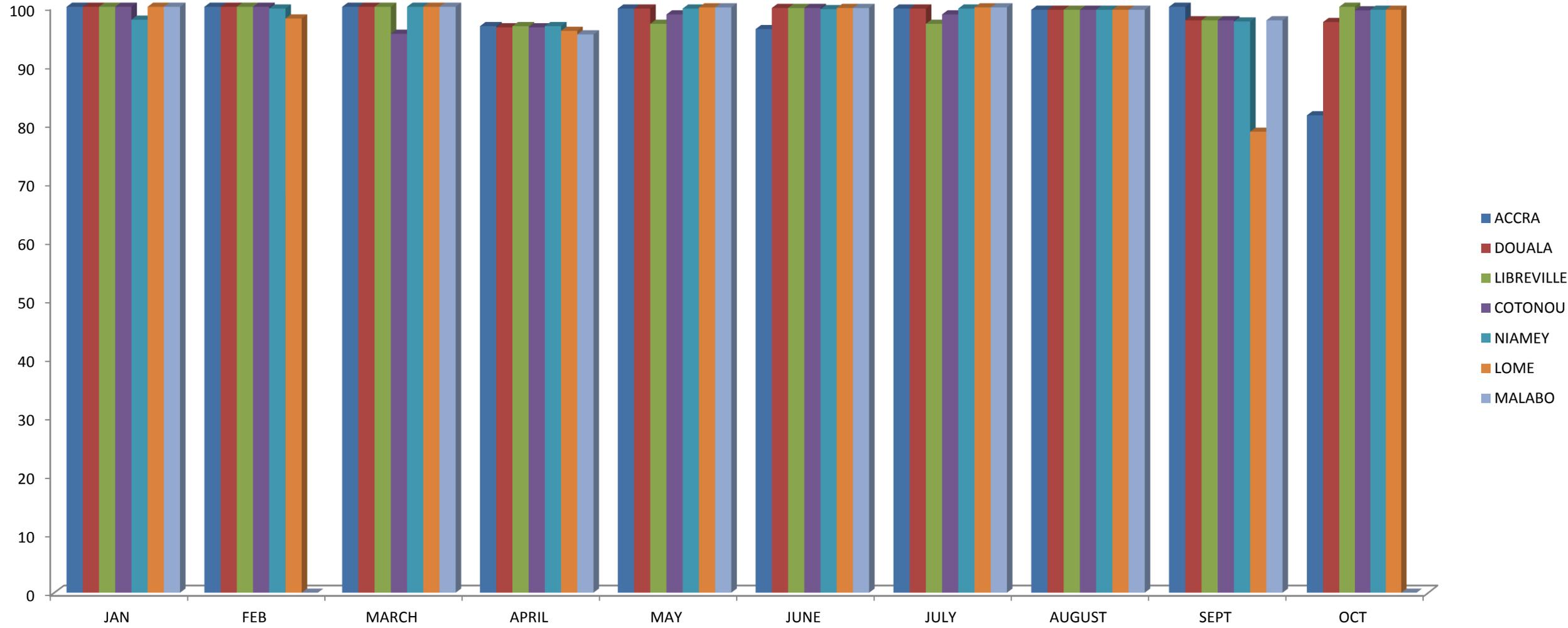


LAGOS CENTER ATS/DS CIRCUIT AVAILABILITY FROM JAN TO OCT 2016

STATION	ACCRA	DOUALA	LIBREVILLE	COTONOU	NIAMEY	LOME	MALABO
MONTH	%	%	%	%	%	%	%
JAN	100	100	100	100	97.8	100	100
FEB	100	100	100	100	99.7	98.0	98.0
MARCH	100	100	100	95.4	100	100	100
APRIL	96.7	96.5	96.7	96.5	96.7	95.9	95.3
MAY	99.7	99.7	97.1	98.7	99.7	99.9	99.9
JUNE	96.2	99.8	99.8	99.8	99.6	99.8	99.8
JULY	99.7	99.7	97.1	98.7	99.7	99.9	99.9
AUGUST	99.5	99.5	99.5	99.5	99.5	99.5	99.5
SEPT	100	97.7	97.7	97.7	97.5	78.7	97.7
OCT	81.5	97.4	100	99.4	99.5	99.5	100



ATS/DS PLOT





COMMENT ON THE STATISTICS

REASONS FOR CIRCUIT FAILURE

- ❖ POWER OUTAGE AT THE EARTH STATION
- ❖ LOSS OF FRAME ON MODEM AND MOL2P
 - i. IN JAN, NAIMEY FRAME RELAY LINK ON MOL2P WAS DOWN FOR ABOUT 17HOURS.
 - ii. IN FEB, MALABO MODEM RECEIVE CARRIR WAS OFF FOR 10 DAYS.
 - iii. IN OCT, ACCRA MODEM TX & RX WENT OFF FOR 5 DAYS
 - iv. IN APRIL MOISTURE CAUSED EARTH STATION FAILURE



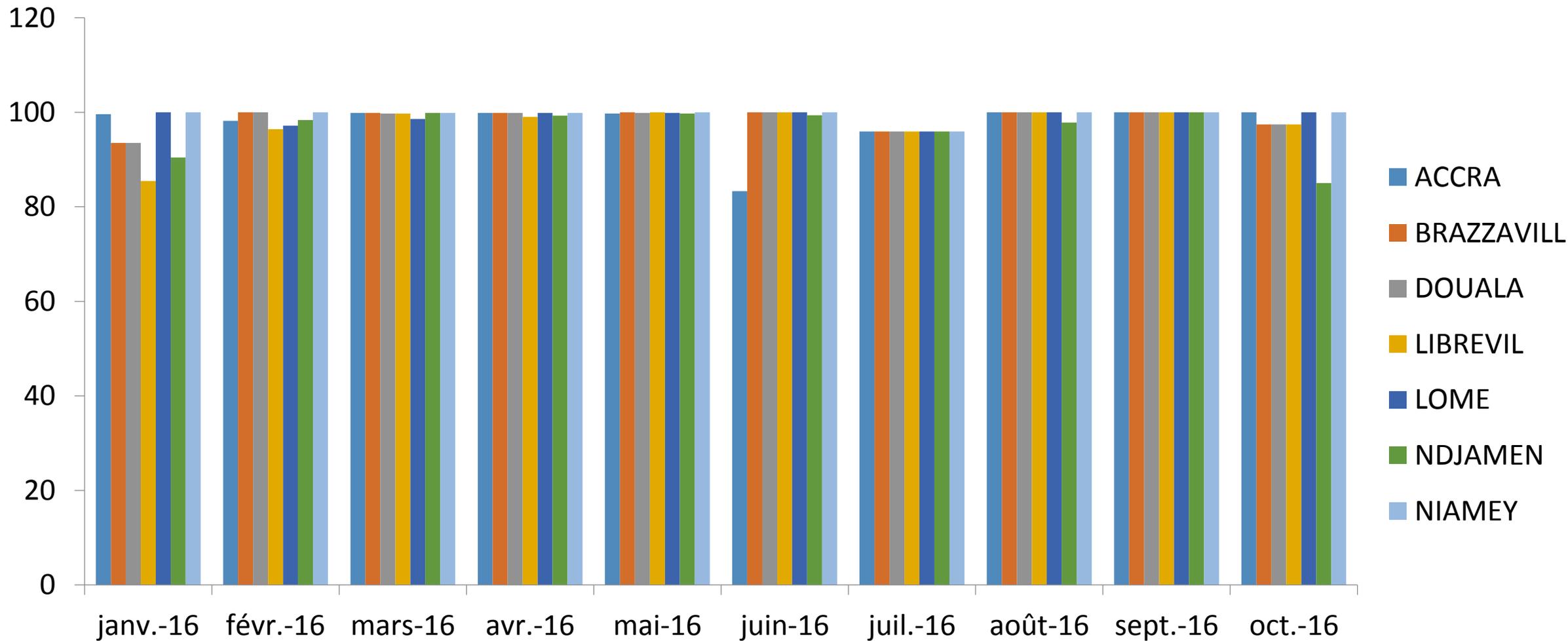
KANO CENTER

AFTN CIRCUIT AVAILABILITY FROM JANUARY TO OCTOBER 2016

stations	Accra	Brazzaville	Doula	Libreville	Lome	Ndjamena	Niamey
Month	%	%	%	%	%	%	%
Jan. '16	99.60	93.35	93.55	85.48	100.00	90.45	100.00
Feb. '16	98.21	100.00	100.00	96.43	97.17	98.36	100.00
Mar. '16	99.86	99.86	99.72	99.72	98.61	99.86	99.86
Apr. '16	99.86	99.86	99.86	99.03	99.86	99.30	99.86
May '16	99.73	100.00	99.87	100.00	99.87	99.73	100.00
June '16	83.33	100.00	100.00	100.00	100.00	99.40	100.00
July '16	95.97	95.97	95.97	95.97	95.97	95.97	95.97
Aug. '16	100.00	100.00	100.00	100.00	100.00	97.85	100.00
Sep. '16	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Oct. '16	100.00	97.45	97.45	97.45	100.00	85.08	100.00



AFTN PLOT





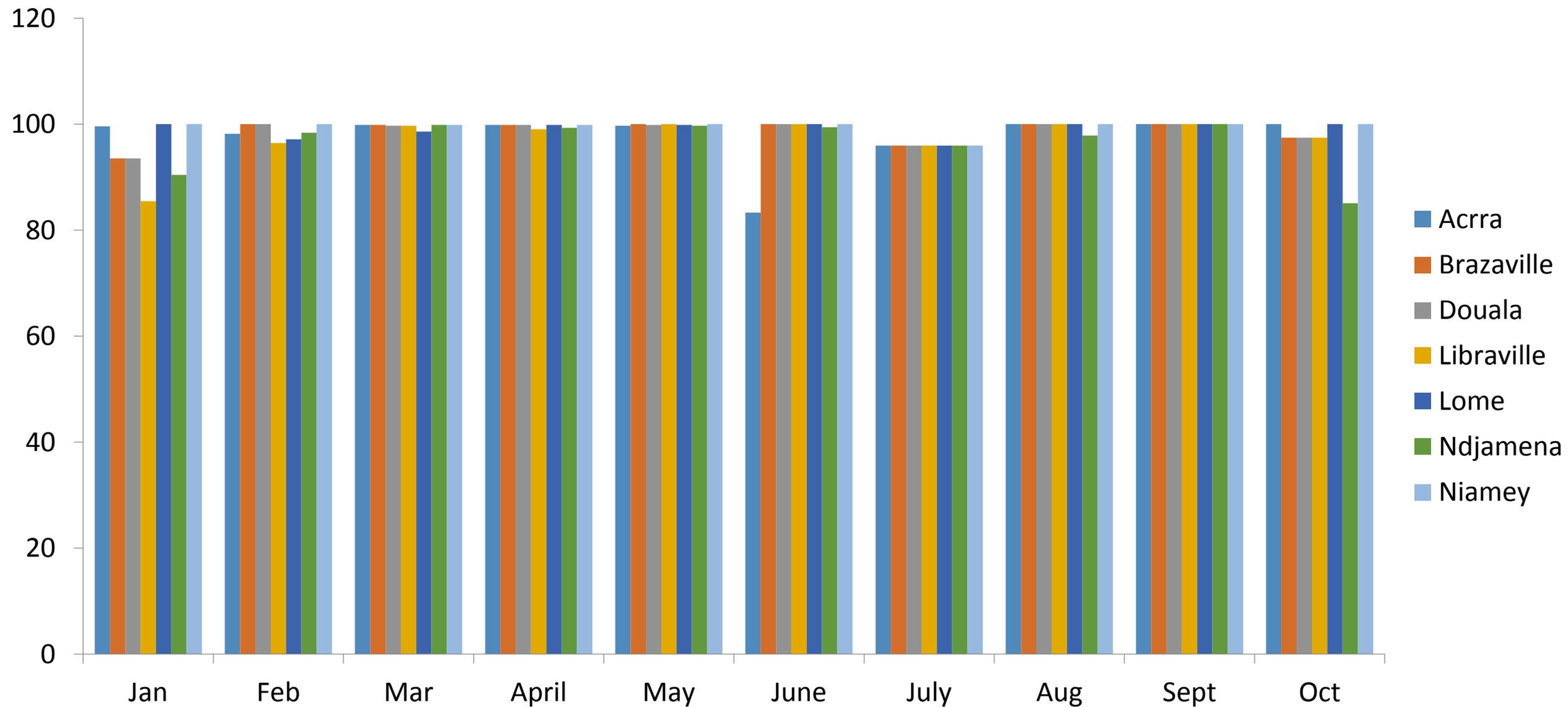
KANO CENTER

ATS/DS PERCENTAGE CIRCUIT AVAILABILITY FROM JANUARY TO OCTOBER, 2016

Stations	Accra	Brazzaville	Douala	Libreville	Lome	Ndjamena	Niamey
month	%	%	%	%	%	%	%
Jan	98.79	98.5	97.85	98.8	100	99.3	100
Feb	100	100	100	99.4	100	97.6	100
March	99.86	98.75	99.7	99.72	98.6	99.86	99.86
April	99.86	99.86	99.86	99.03	99.86	99.30	99.86
May	99.7	100	99.86	100	99.86	99.86	100
June	100	100	100	100	100	99.86	99.4
July	95.97	95.97	95.97	95.97	95.97	95.97	95.97
August	100	100	99.87	99.87	100	96.81	100
Sept	100	100	100	100	98.47	100	100
Oct	96.77	100	100	98.25	100	98.78	100



ATS/DS PLOT





COMMENT ON THE STATISTICS

- ❖ The Earth station failed in July due to rain water that entered the waveguide assembly. It lasted for 3 days.
- ❖ Circuits with percentage availability below ICAO recommended 97% are in blue colour in the table



ACTION BY THE MEETING



The meeting is requested to

- Note the statistical information contained in the paper
- Take actions to resolve problems of circuits that are not working well
- Pursue the re-engineering of the network more vigorously.



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