Dry
IntrusionIncreasing
Pressure
Tendencydecreasing
Pressure
TendencyWind
Streamlines

Isobar

Region

Africa

Date

2021 10 04

Forecast Time

0000 + 12 hrs

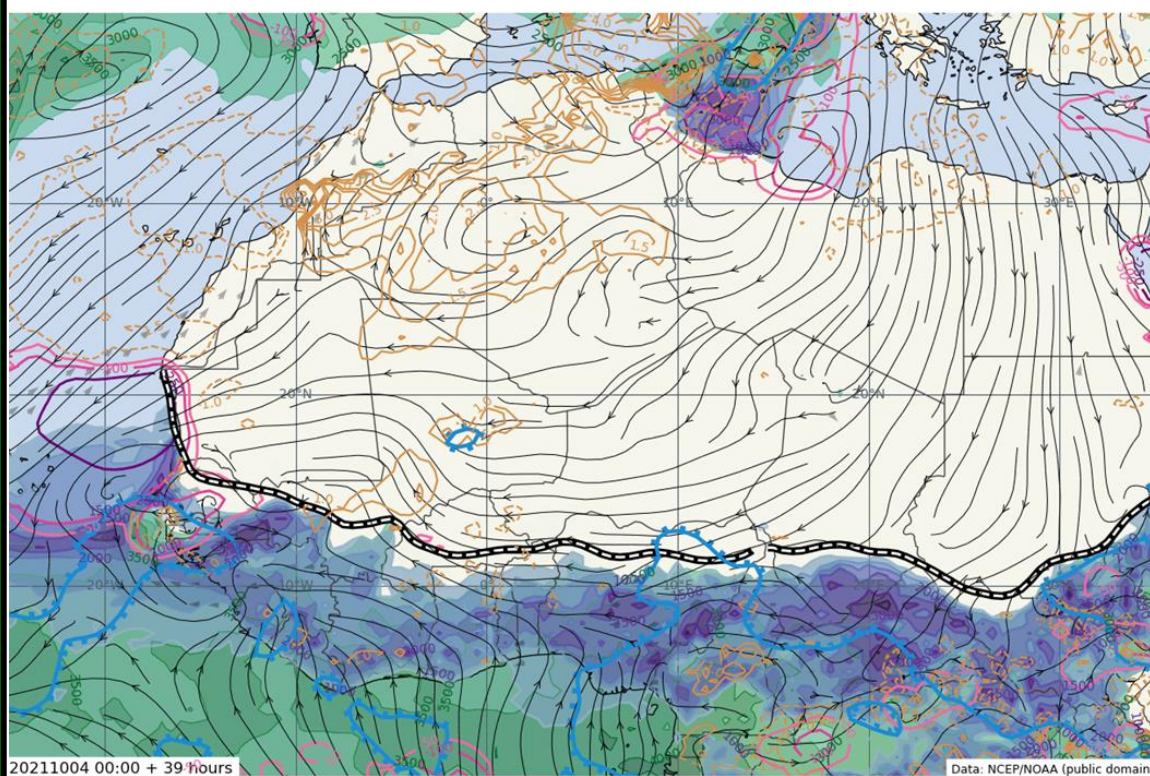
Data

GFS synthetic
analysis chart

24 hr Regional Synoptic Summary

Azores high is expected to be quasi stationary while maintaining its intensity (1024 hPa) and extending a ridge over Morocco and Algeria.

St Helena high center is expected to move eastward while weaken (from 1032 to 1028 hPa) and extending a ridge over South Africa. Mascarena high will remain quasi stationary and maintaining its intensity at 1020 hPa. ITD is expected to move northward up to 18°N over Mali and then will move southward reaching its lowest position over Sudan at 10°N. Monsoon flux penetration will be up to 15°N. Higher values of the monsoon depth (4000 m) are expected over Nigeria and Cameroon while lower values are expected over southern Sahel (2400m). Dry air is expected to extend over all Sahel except southern Mali and southern Senegal. Few AEJ are expected to occur over Burkina Faso and Mali.



STJ



TEJ



AEJ



ITD

Monsoon
troughMonsoon
ridge

Region

West Africa

Date

2021 10 04

Forecast Time

0000 +39 hours

Data

GFS synthetic
analysis chart

24-72 hr Regional Synoptic Summary

Azores high is expected to remain quasi stationary while maintaining its intensity (1024 hPa) and a ridge over Morocco.

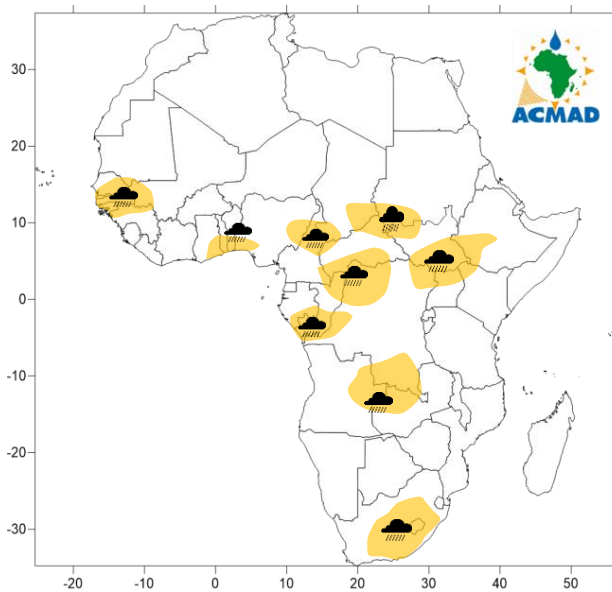
St-Helena is expected to first slightly move eastward and then remain quasi stationary while weakening and maintaining a ridge over South Africa.

Mascarena is expected to slightly move eastward and then remain quasi stationary while weakening (from 1024 to 1020 hPa). ITD is expected to slightly move southward.

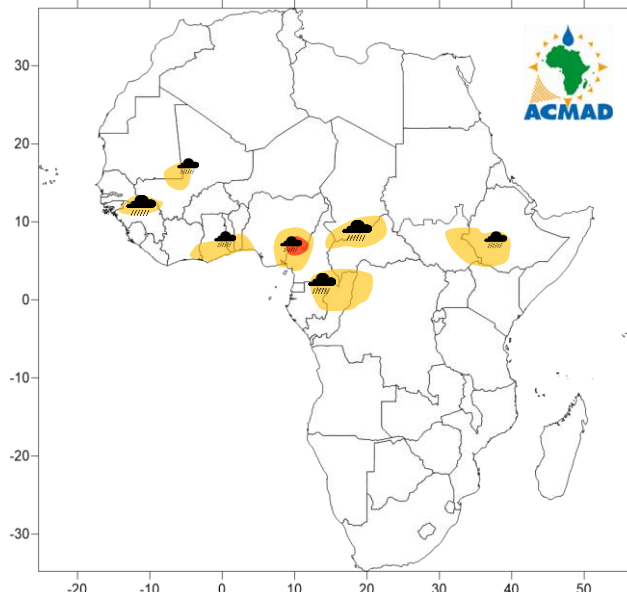
Monsoon flux penetration will be up to 15°N. Higher values of the monsoon depth (4000 m) are expected over west African coastal areas and central Africa countries and lower values are expected over southern Sahel (2400m).

Dry air is expected to extend over all the Sahel and moist air will be confined over west Africa countries and the Central Africa.

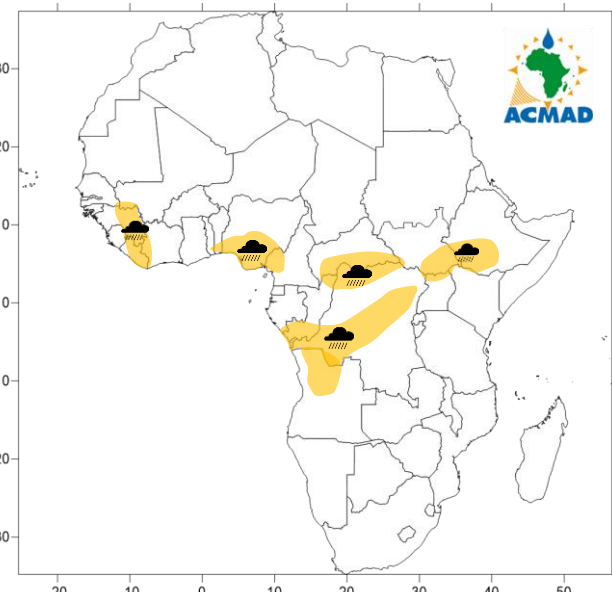
2021 -10-04



2021-10-05



2021-10-06



Region

Africa

Date

2021 10 04

Time

04-06/10/2021

Data

NCEP-NOAA/SWIFT,
ECMWF, ARP-PUMA

Forecast Risk

Be aware

Be Prepared

Take Action

Weather Forecasting Risk Table

Likelihood	Very high	E1	E2	E3	E4	E5
	High	D1	D2	D3	D4	D5
	Medium	C1	C2	C3	C4	C5
	Low	B1	B2	B3	B4	B5
	Very low	A1	A2	A3	A4	A5
		Very low	Low	Medium	High	Very High
		Impact				

Take Action

Be Prepared

Be aware

Low risk

Weather Icons



Rain



Wind



Dust

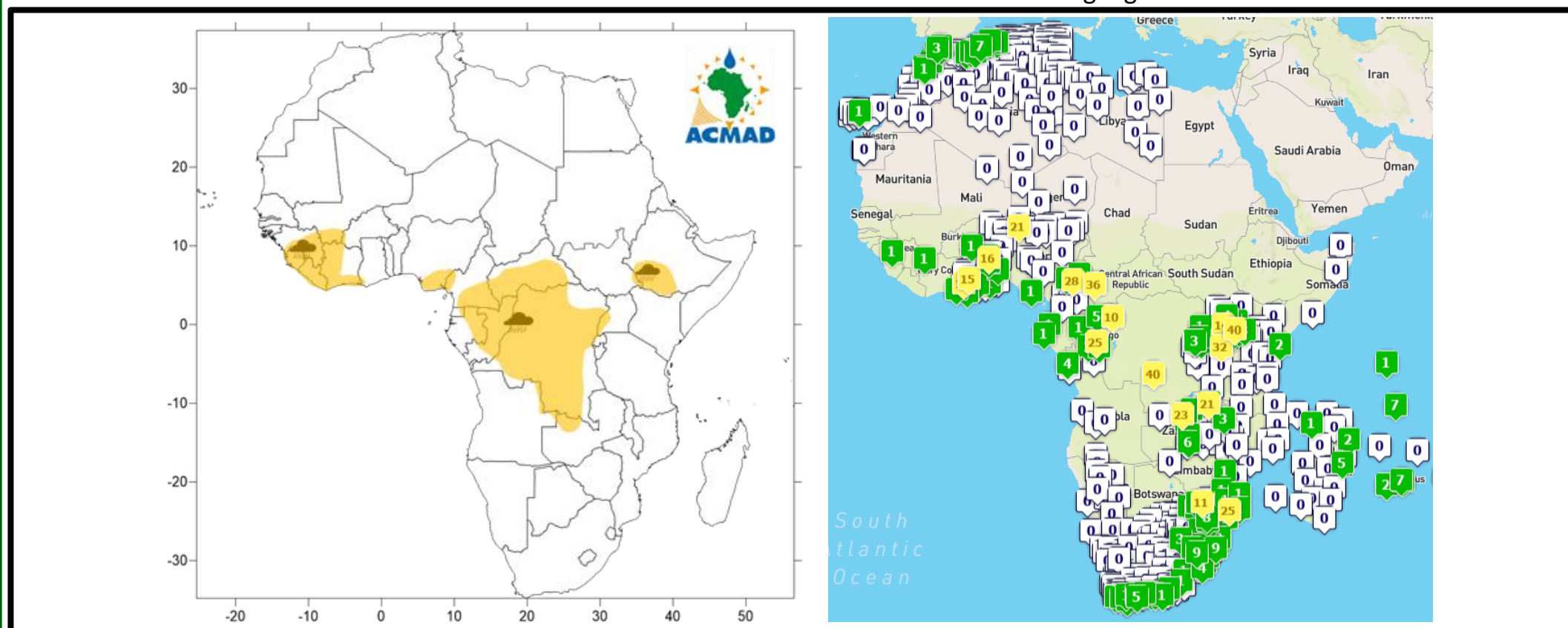


Hail



Forecast issued on 2021 10 01 for 2021 10 03

2021 10 03 24H rain gauge observation



Data: Reports from GTS on 2021 10 04 at 06UTC

http://154.66.220.45:8080/thredds/fileServer/ACMAD/WWFD/verification/service/OBS/ARCHIVE/RR24_20211004.html