Dry
IntrusionIncreasing
Pressure
Tendencydecreasing
Pressure
TendencyWind
Streamlines

Isobar

Region

Africa

Date

2021 10 06

Forecast Time

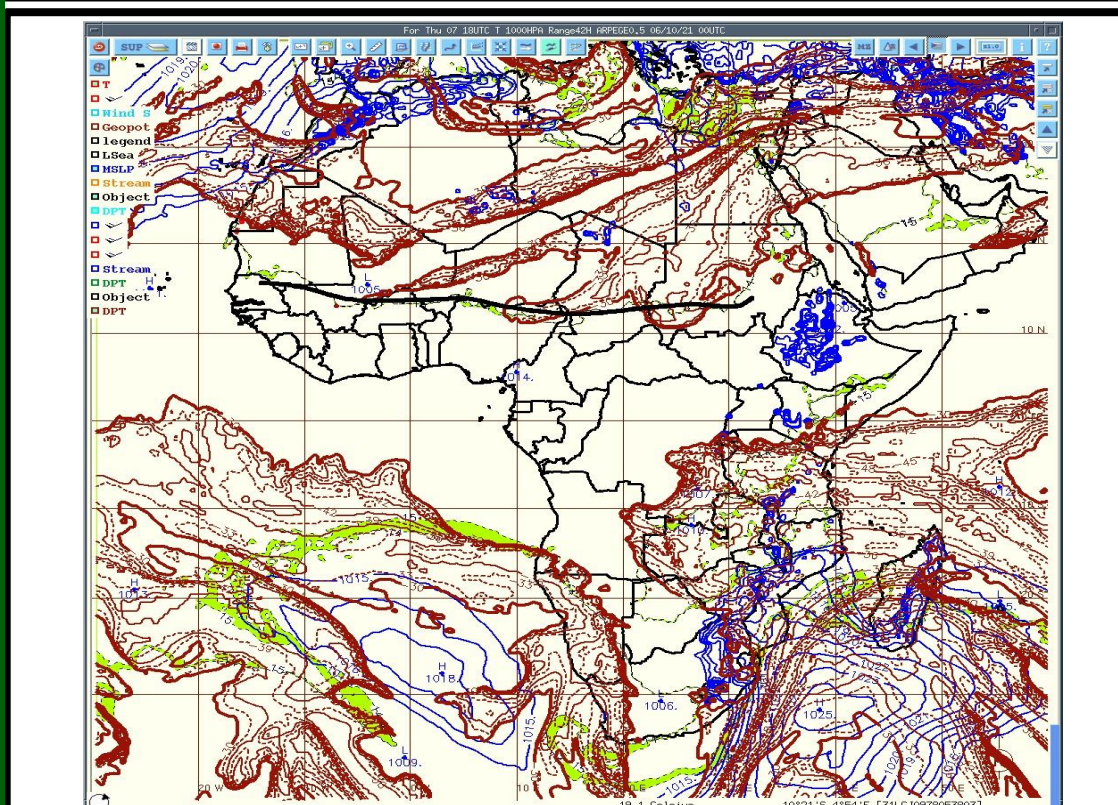
0000 + 12 hrs

Data

GFS synthetic
analysis chart

24 hr Regional Synoptic Summary

Azores high is expected to slightly move eastwards while weakening (from 1024hPa to 1023hPa) and extending a ridge over Morocco. St Helena high is expected to move eastwards while weakening (from 1027hPa to 1026hPa) and extending a ridge over South Africa. Mascarenes high is expected to remain quasi-stationary while intensifying from 1023hPa to 1024hPa. ITD is expected to remain quasi-stationary during the day. The monsoon flow penetration will be up to 13°N. Higher values of the monsoon depth (3500m) are expected over Nigeria and Cameroon while lower values are expected over southern Sahel (2500m). Dry air is expected to extend over central parts of Sahel. AEJ are expected to occur over the Gulf of Guinea Countries.



STJ



TEJ



AEJ



ITD

Monsoon
troughMonsoon
ridge

Region

West Africa

Date

2021 10 06

Forecast Time

0000 + 39 hours

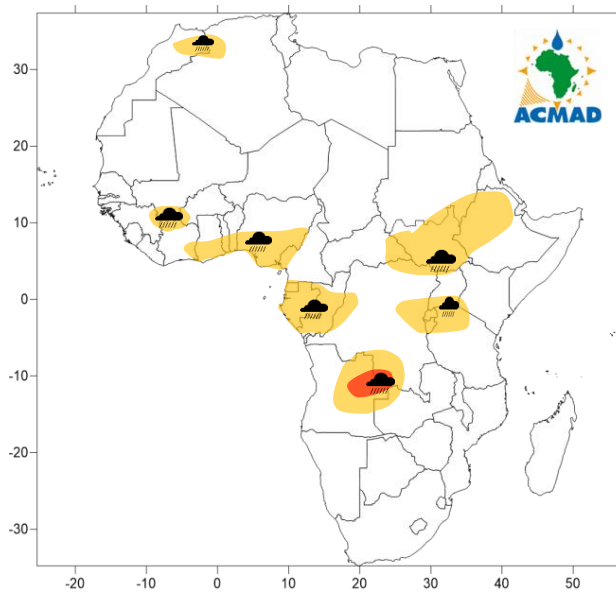
Data

GFS synthetic
analysis chart

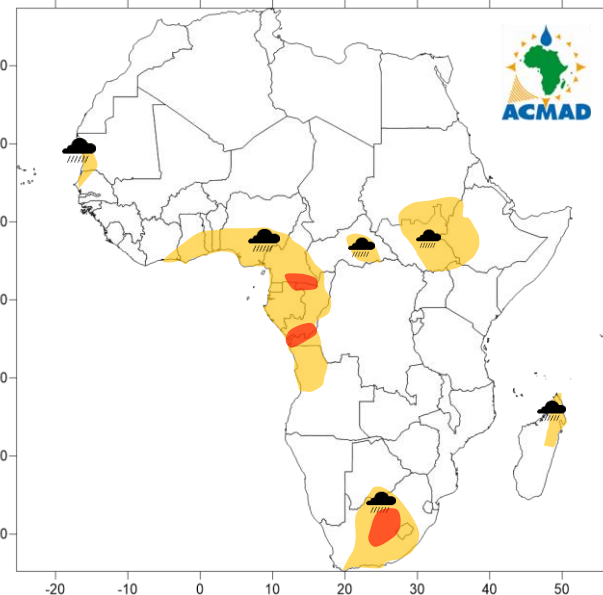
24-72 hr Regional Synoptic Summary

Azores high will remain quasi-stationary while intensifying from 1023hPa to 1026hPa and maintaining its ridge over Morocco. St-Helena will weak and remain quasi-stationary from 1026hPa to 1023hPa to the south of South Africa. Mascarene is expected to remain quasi-stationary while intensifying from 1026hPa to 1029hPa. ITD is expected to slightly move northwards. Monsoon flux penetration will be up to 16°N over Senegal and southern Mali. Higher values of the monsoon depth (3500m) are expected over coastal areas and central Africa countries and lower values are expected to southern Sahel (2500m). Dry air is expected to extend over all the central and eastern Sahel and moist air will be confined over eastern Africa countries and the Central Africa.

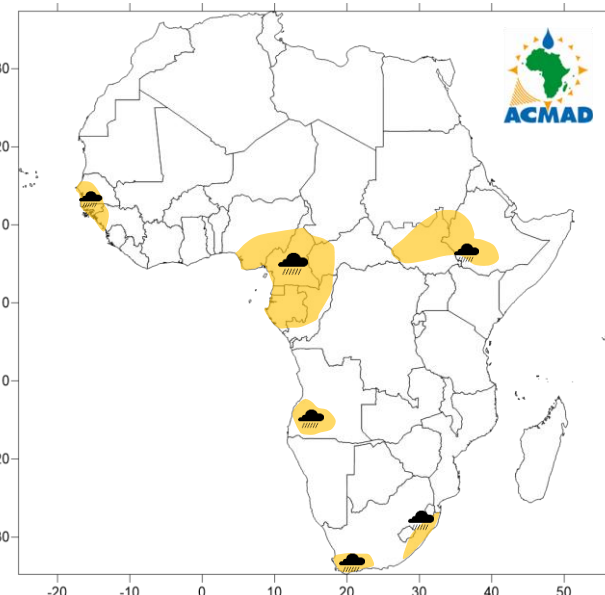
2021 -10-06



2021-10-07



2021-10-08



Region

Africa

Date

2021 10 06

Time

06-08/10/2021

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

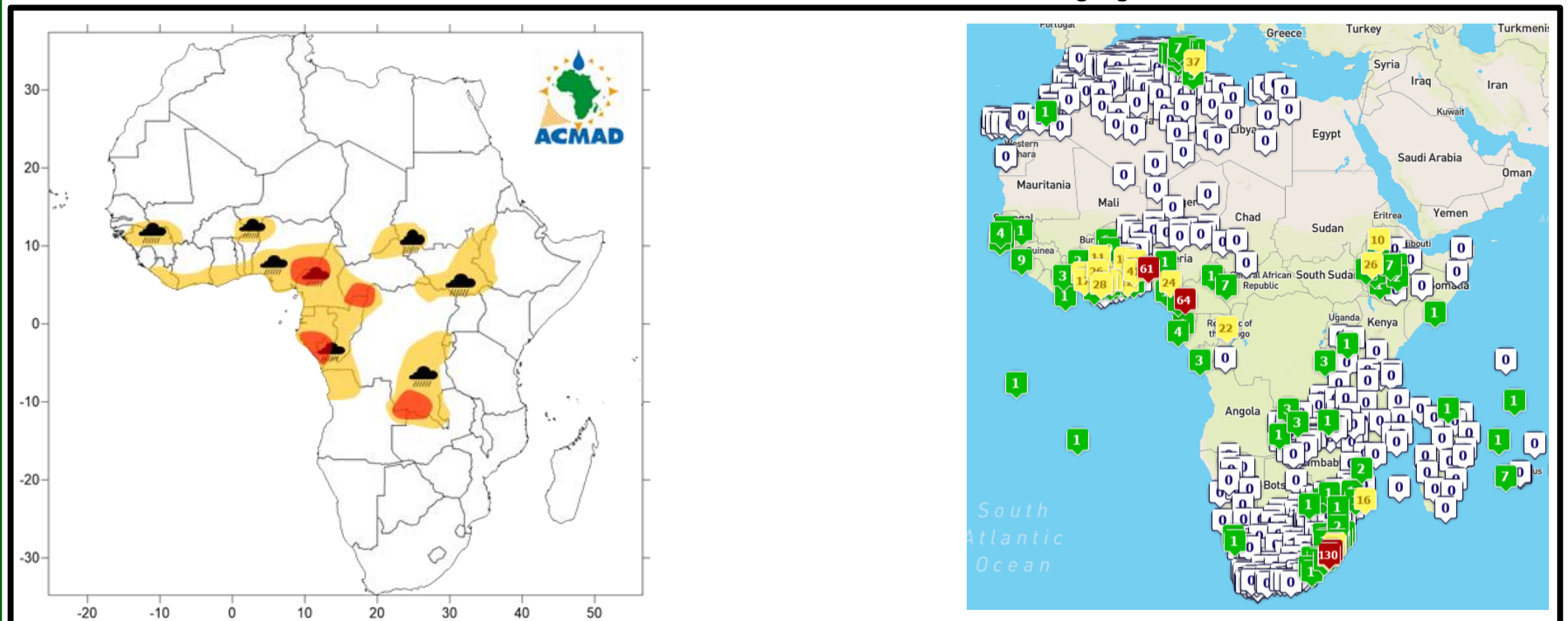


Hail



Forecast issued on 2021 10 05 for 2021 10 05

2021 10 05 24H rain gauge observation



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

http://154.66.220.45:8080/thredds/fileServer/ACMAD/WWFD/verification/service/OBS/ARCHIVE/RR24_20211006.html

MSG-AFR IR_108 on 05/10/2021 at 15:00 UTC

