

Dry Intrusion

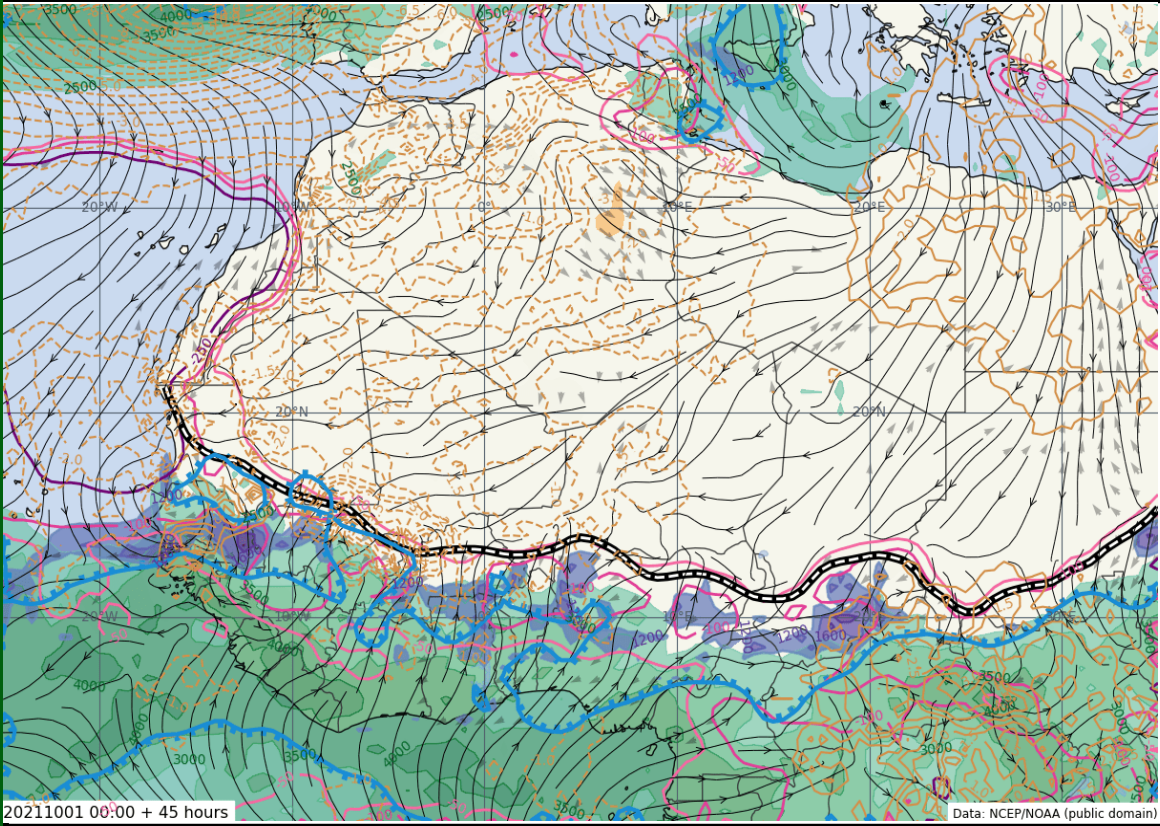
Increasing Pressure Tendency

decreasing Pressure Tendency

Wind Streamlines

Isobar

Region	24 hr Regional Synoptic Summary
Africa	<p>Azores high is expected to remain strong at (1028hPa), ridging over Morocco and Algeria.</p> <p>St Helena high center is expected to slightly weak from 1036hPa to 1035hPa. Mascarene is expected to weak from 1029hPa to 1026hPa while remaining quasi-stationary.</p> <p>The relative Libyan high will weak from 1012hPa to 1006hPa, the ITD position will slightly shift southwards.</p> <p>Deep moisture depth (2400 to 3600m)</p> <p>Deep convections are expected over the coast of Gulf of Guinea countries, including Central Africa.</p>
Date	
2021 10 01	
Forecast Time	
0018 + 12 hrs	
Data	
GFS synthetic analysis chart	



STJ

TEJ

AEJ

ITD

Monsoon trough

Monsoon ridge

Region	24-72 hr Regional Synoptic Summary
West Africa	<p>Azores high is expected to intensify (1026hPa-1033hPa), while remaining Quasi-stationary.</p> <p>St Helena high center is expected to slightly shift eastwards while weakening from 1036hPa to 1032hPa, this will allow the dominance of monsoon over the Gulf of Guinea countries and Central Africa.</p> <p>Mascarene is expected to quasi-stationary at 1027hPa.</p> <p>Libyan high is expected to maintain its ridge over eastern and central Sahel region and the ITD will move southwards to south Sahel.</p> <p>Except Nigeria, dry intrusion is expected to extend over all West Africa.</p> <p>Monsoon influx is expected to be between 2400m - 4200m being the highest near the coastal area and decrease as it moves in land.</p> <p>AEJ is expected over Cape Verde, Senegal, Mauritania and Mali.</p> <p>AEW will be present over western Niger, southern Chad and northern Cameroon. This will be associated with a vorticity over central Nigeria</p>
Date	
2021 09 30	
Forecast Time	
0018 +45 hours	
Data	
GFS synthetic analysis chart	

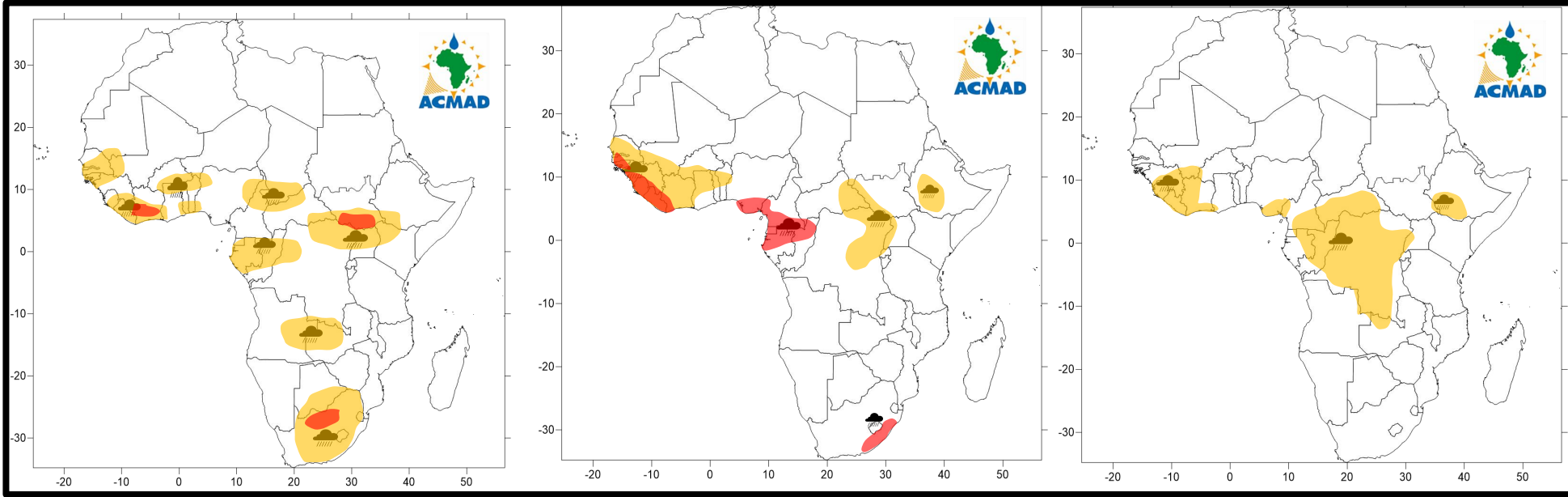




2021 -10-01

2021-10-02

2021-10-03



Region
Africa
Date
2021 10 01
Time
01/10,02/10, 03/10
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

Which ensemble products have been used to determine the likelihood and forecast? ECWMF ☐ UKMO ☐ BOTH ☒

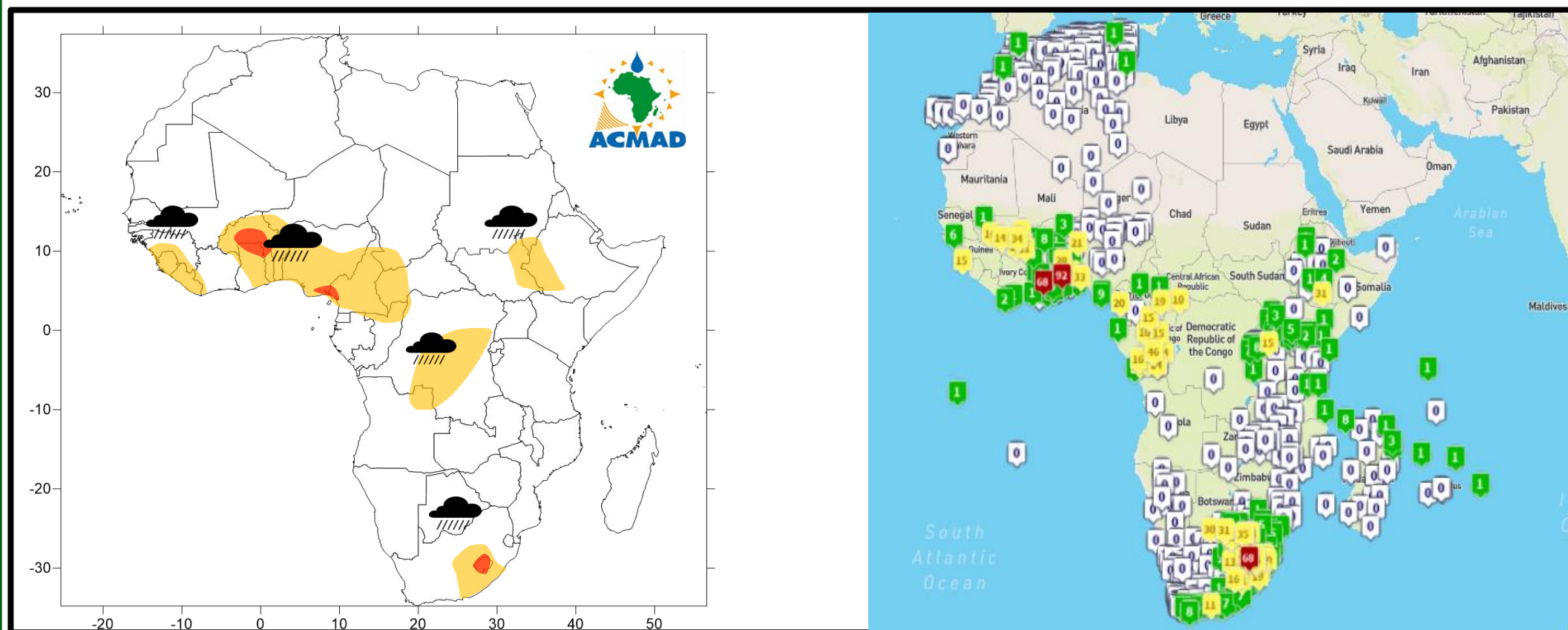
Regions	12-15hrs	15-18 hrs	18-21 hrs	21-24 hrs
Diffa				
Zinder				
Maradi				
Tahoua				
Dosso Niamey Tillaberi				

Summary of 12-24 hour forecast



Forecast issued on 2021 09 29 for 2021 09 30

2021 09 30 24H rain gauge observation



Data: Reports from GTS on 2021 09 29 at 06UTC

[http://154.66.220.45:8080/thredds/fileServer/ACMAD/WWFD/verification/OBS/ARCHIVE/RR24\\_20210928.html](http://154.66.220.45:8080/thredds/fileServer/ACMAD/WWFD/verification/OBS/ARCHIVE/RR24_20210928.html)

2021 09 30 24H rain gauge observation

