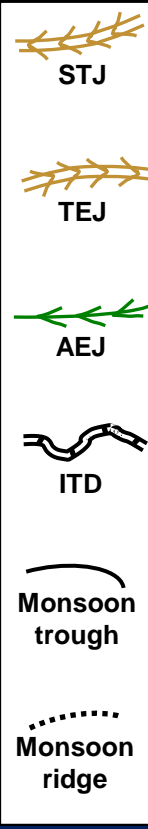
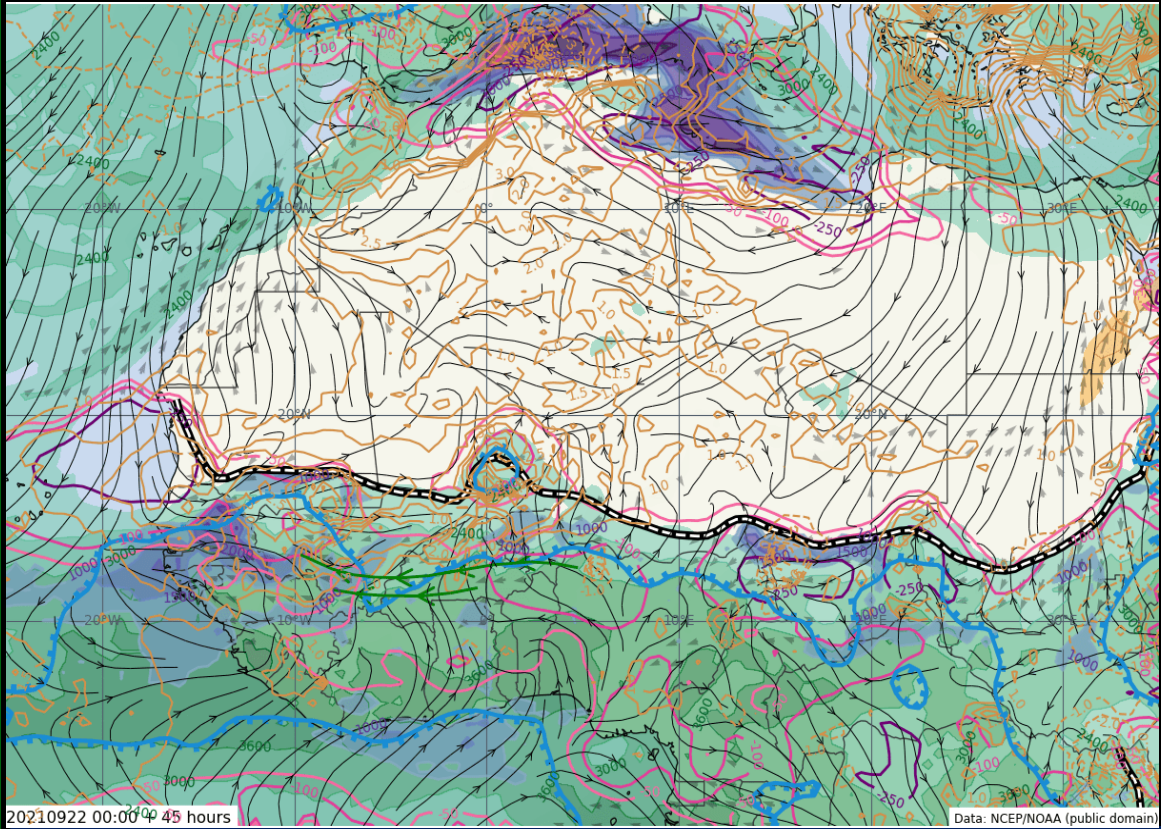


Region	24 hr Regional Synoptic Summary
Africa	<p>Azores high is expected to intensify from (1024hPa-1028hPa), ridging over coast of Mauritania and Senegal.</p> <p>St Helena high center is expected to weaken from 1028hPa to 1020hPa sitting over the tip of Africa extending its ridge over east Africa region pushing the meridional arm of ITCZ eastward.</p> <p>Mascarene is expected to remain strong at 1036hPa, extending its ridge towards eastern Africa region</p> <p>Libyan high is expected to intensify up to 1012hPa, the ITD position will be quasi-stationary.</p> <p>Deep moisture depth (3000 to 4200m) will be more concentrated over Nigeria, Cameroon and the rest of Central Africa region</p> <p>Deep convections are expected over Nigeria, Cameroon and Central Africa.</p>
Date	
2021 09 22	
Forecast Time	
0000 + 12 hrs	
Data	
GFS synthetic analysis chart	



Region	24-72 hr Regional Synoptic Summary
West Africa	<p>Azores high is expected to intensify from (1024hPa-1028hPa), ridging over coast of Mauritania and Senegal.</p> <p>St Helena high center is expected to weaken from 1028hPa to 1020hPa sitting over the tip of Africa extending its ridge over east Africa region pushing the meridional arm of ITCZ eastward.</p> <p>Mascarene is expected to remain strong at 1036hPa, extending its ridge towards eastern Africa region</p> <p>Libyan high is expected to intensify up to 1012hPa, the ITD position will be quasi-stationary.</p> <p>Dry intrusion is expected to extend over all Sahel countries and maintain moist air of Gulf of Guinea countries</p> <p>Monsoon influx expected to be between (from 3000m to 4000m) being the highest near the coastal area and decrease as it moves in land.</p>
Date	
2021 09 22	
Forecast Time	
0000 +45 hours	
Data	
GFS synthetic analysis chart	

Deep convections are expected over Liberia Sierra Leone, Nigeria, Cameroon and Central Africa.

AEJ is expected over Mali, S. Burkina Faso, Niger N. Nigeria and S. Chad.

Vorticity associated with AEJ are expected over Nigeria, Benin and Togo.



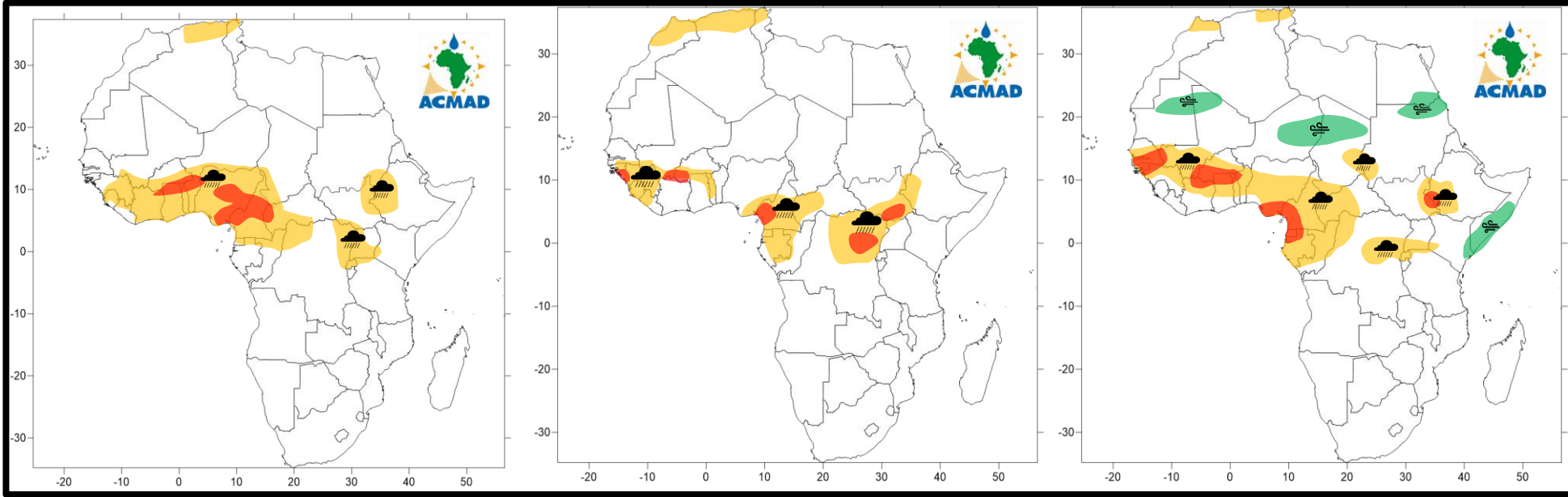
High impact weather Forecast sheet - Africa

2021 09 22 1200 UTC

2021 -09-22

2021-09-23

2021-09-24



Region
Africa
Date
2021 09 22
Time
22-24/09/2021
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

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

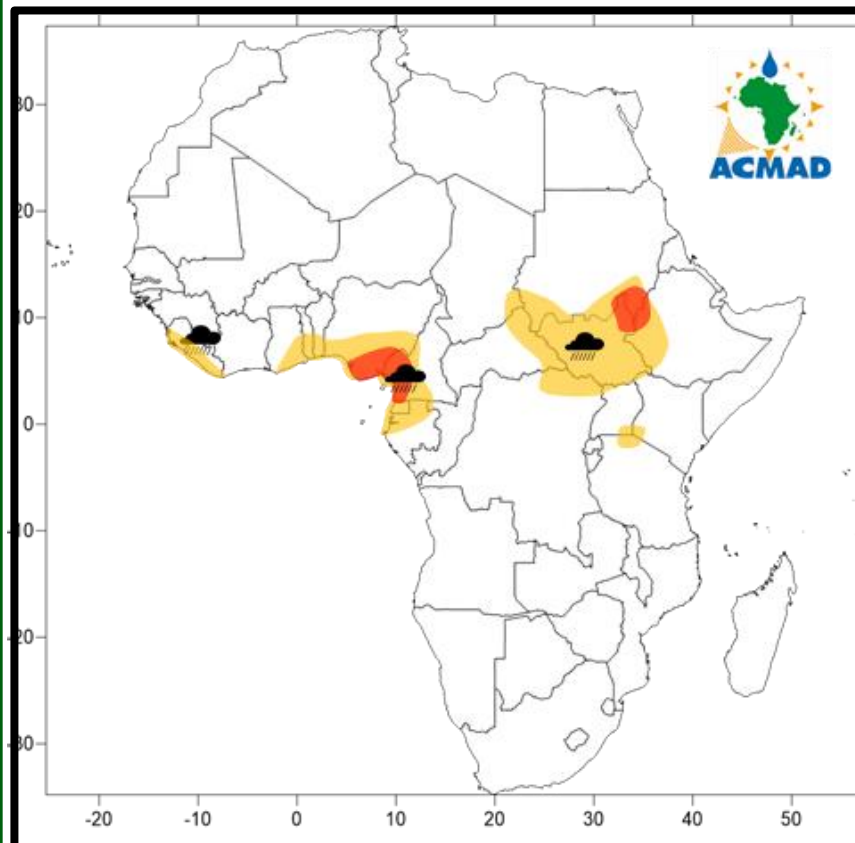
Regions	12-15hrs	15-18 hrs	18-21 hrs	21-24 hrs
Diffa				
Zinder				
Maradi				
Tahoua				
Dosso Niamey Tillaberi				

Summary of 12-24 hour forecast

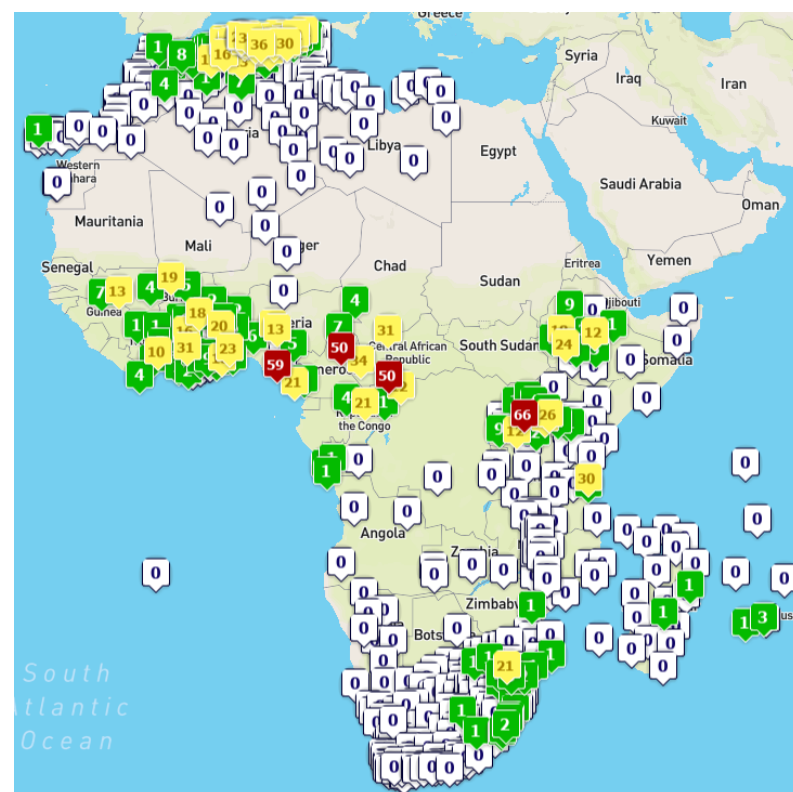
A system currently located over Air shows signs of intensifying to produce some heavy rains over Agadez and its environs.



Forecast issued on 2021 09 21



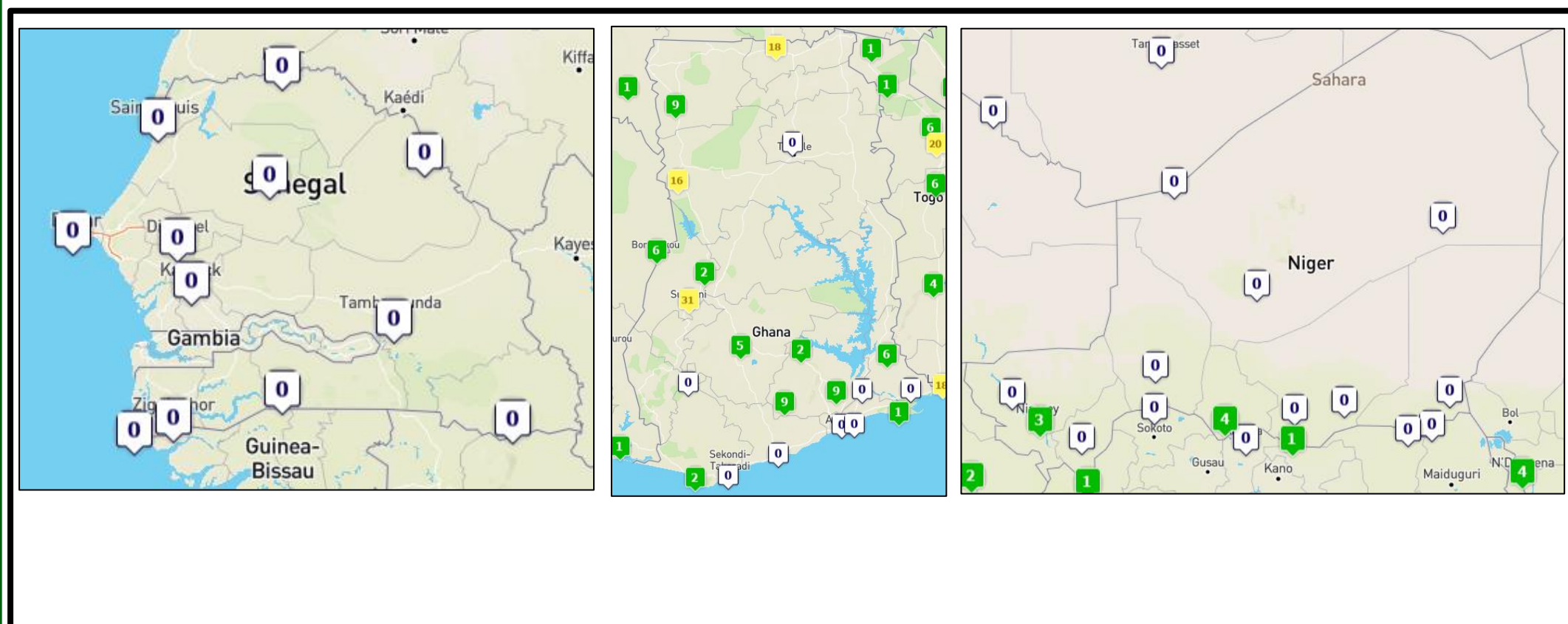
2021 09 21 24H rain gauge observation



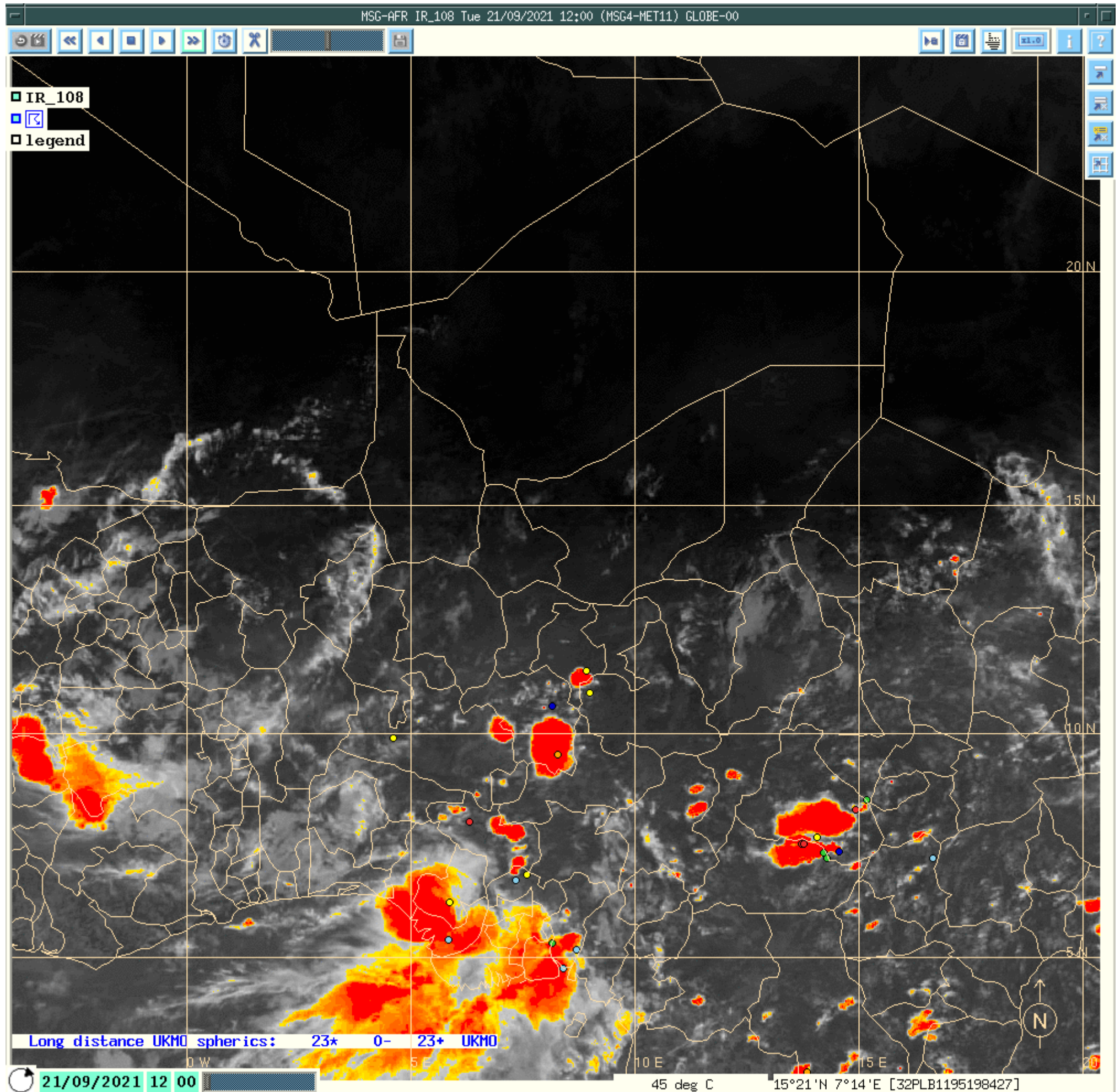
Data: Reports from GTS on 2021 09 21 at 06UTC

http://154.66.220.45:8080/thredds/fileServer/ACMAD/WWFD/verification/service/OBS/ARCHIVE/RR24_20210921.html

2021 09 21 24H rain gauge observation



09212021 12UTC to 09222021 06UTC



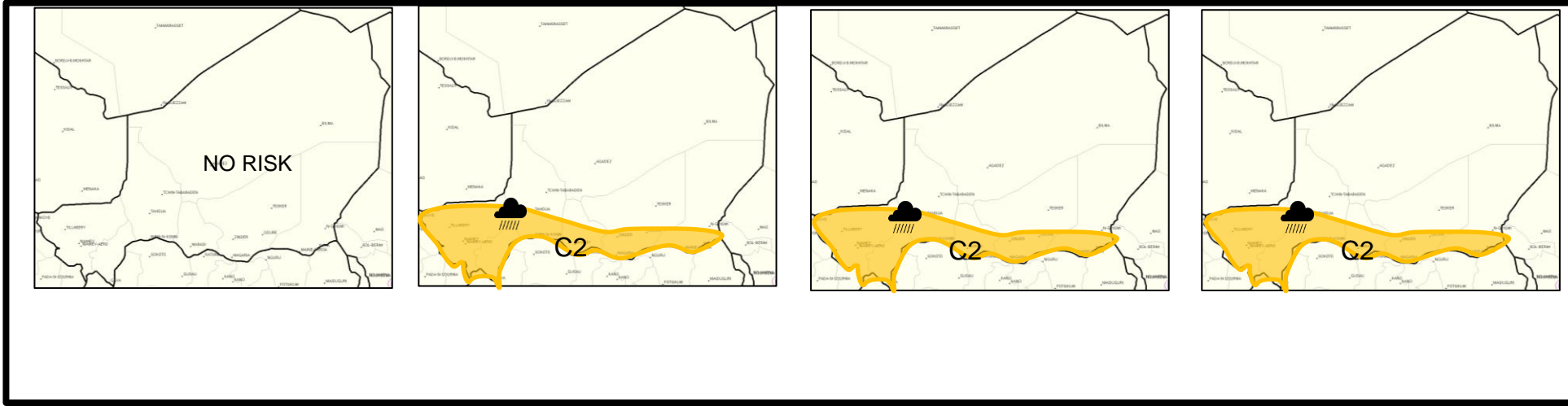


15 UTC



18 UTC

21 UTC

00 UTC







Region
Niger
Date
2021 09 22
Time
1200 + 24 hrs
Data
SEVIRI 10.8 μ m 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	▪ Partly Slight rain	▪ Partly Slight/Moderate rain	▪ Partly Slight/Moderate rain	▪ Partly Slight/Moderate rain
Zinder	▪ Partly Slight rain	▪ Partly Slight/Moderate rain	▪ Partly Slight/Moderate rain	▪ Partly Slight/Moderate rain
Maradi	▪ Partly Slight rain	▪ Partly Slight/Moderate rain	▪ Partly Slight/Moderate rain	▪ Partly Slight/Moderate rain
Tahoua	▪ Partly Slight rain	▪ Partly Slight/Moderate rain	▪ Partly Slight/Moderate rain	▪ Partly Slight/Moderate rain
Agadez	▪ Partly cloudy	▪ Partly cloudy	▪ Partly cloudy	▪ Partly cloudy
Dosso	▪ Slight rain	▪ Partly Slight/Moderate rain	▪ Partly Slight/Moderate rain	▪ Partly Slight/Moderate rain
Niamey	▪ Slight rain	▪ Partly Slight/Moderate rain	▪ Partly Slight/Moderate rain	▪ Partly Slight/Moderate rain
Tillaberi	▪ Slight rain	▪ Partly Slight/Moderate rain	▪ Partly Slight/Moderate rain	▪ Partly Slight/Moderate rain

Summary of 12-24 hour forecast