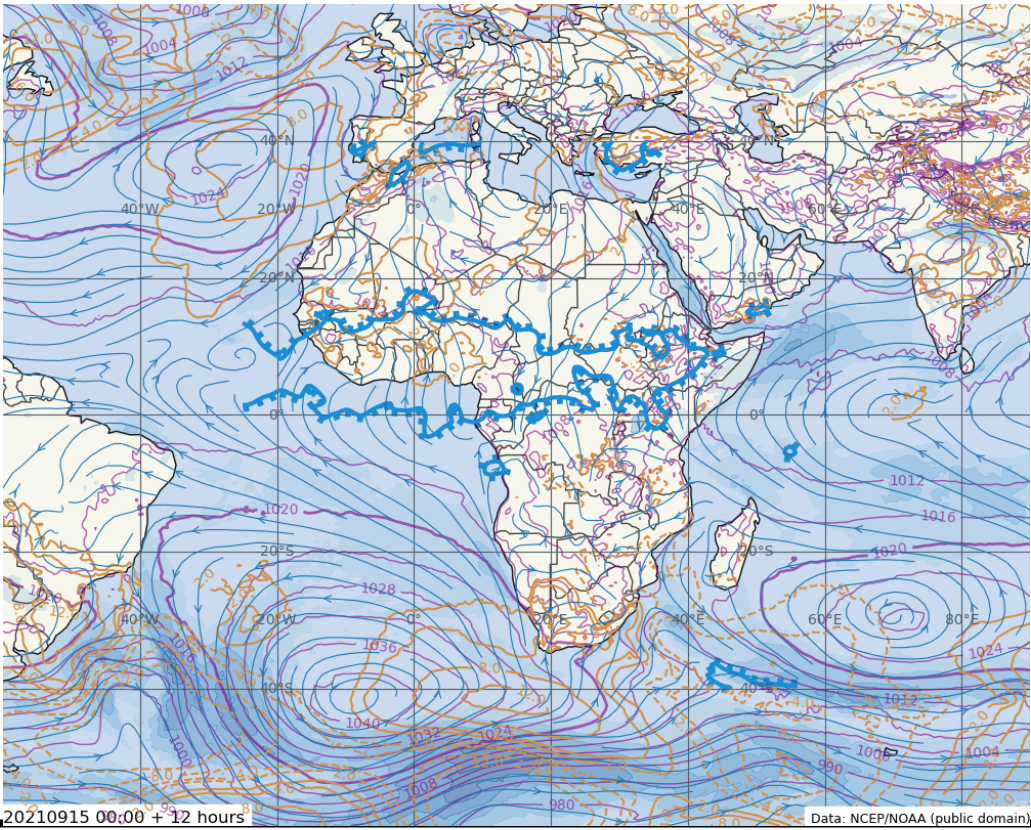




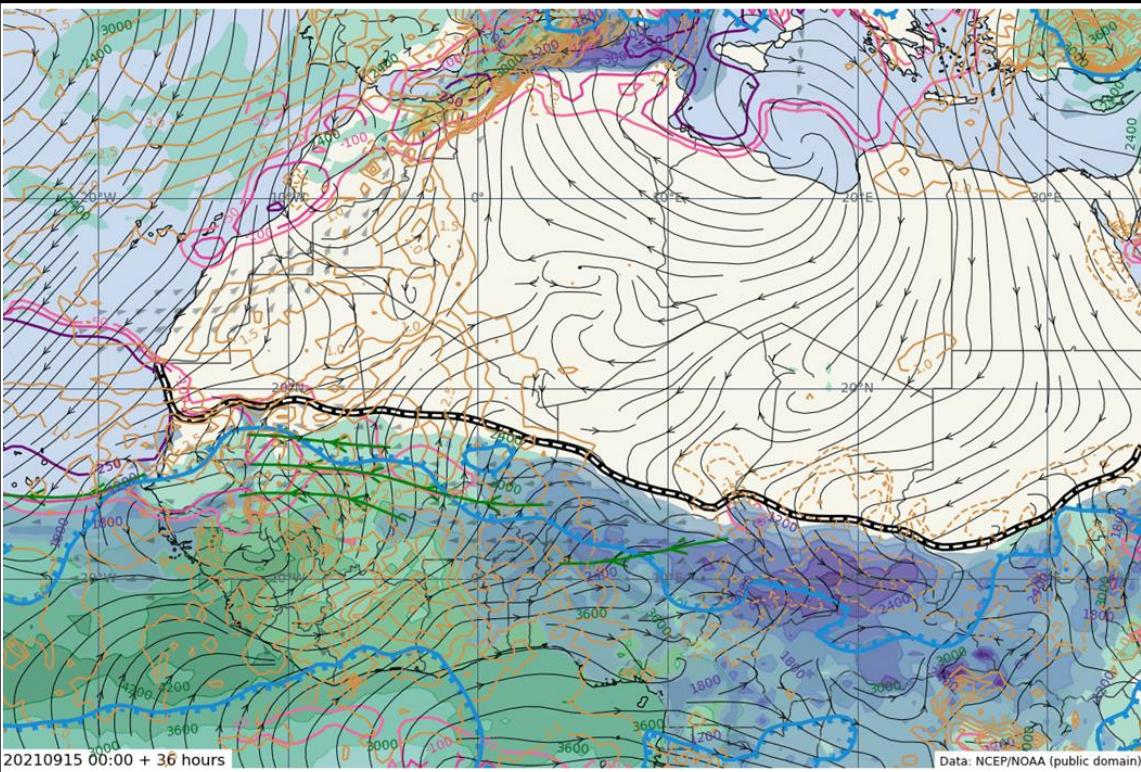
Synoptic weather Forecast sheet - ACMAD

2021 09 15 0600 UTC



- Dry Intrusion
- Increasing Pressure Tendency
- decreasing Pressure Tendency
- Wind Streamlines
- Isobar

Region	24 hr Regional Synoptic Summary
Africa	<p>ITD is expected to move slightly southward</p> <p>Moisture depth of more than 3000m is expected over Gulf of Guinea countries, Nigeria, Gabon, Equatorial Guinea, CAR, DRC LVB and Ethiopia</p> <p>High CAPE is expected over Senegal, southern Mali, southern Mauritania,, Nigeria, Cameroon, southern Chad, CAR, Southern of South Sudan, DRC and Ethiopia</p> <p>Strong AEJ are expected over western Sahel moving westward increasing chances of activities over Gulf of Guinea countries</p> <p>St Helena and Mascarene Highs are expected to remain strong throughout the forecast period</p> <p>Azores high is strong with west-north ridging</p>
Date	
2021 09 15	
Forecast Time	
0000 + 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>ITD is expected to move northward over western Sahel and southwards over the central and eastern Sahel due to trough over Morocco and e control from St Helena and Libyan Ridge.</p> <p>Monsoon flux is expected to deepen up to about 3500m and above over west Africa and central Africa.</p> <p>Near equatorial trough is expected to deepen and increase the dominance of easterly wind that will increase instability of East Africa.</p> <p>St Helena high will intensify and move eastward</p> <p>Libyan ridge is expected to intensify and inject dry air to eastern Sahel region</p>
Date	
2021 09 15	
Forecast Time	
0000 +60 hours	
Data	
GFS synthetic analysis chart	

Regions	0 - 24hrs	24 – 48 hrs	48 – 72 hrs
Coastline			
Slightly north of the coastline			
Middle			
Transition			
North			

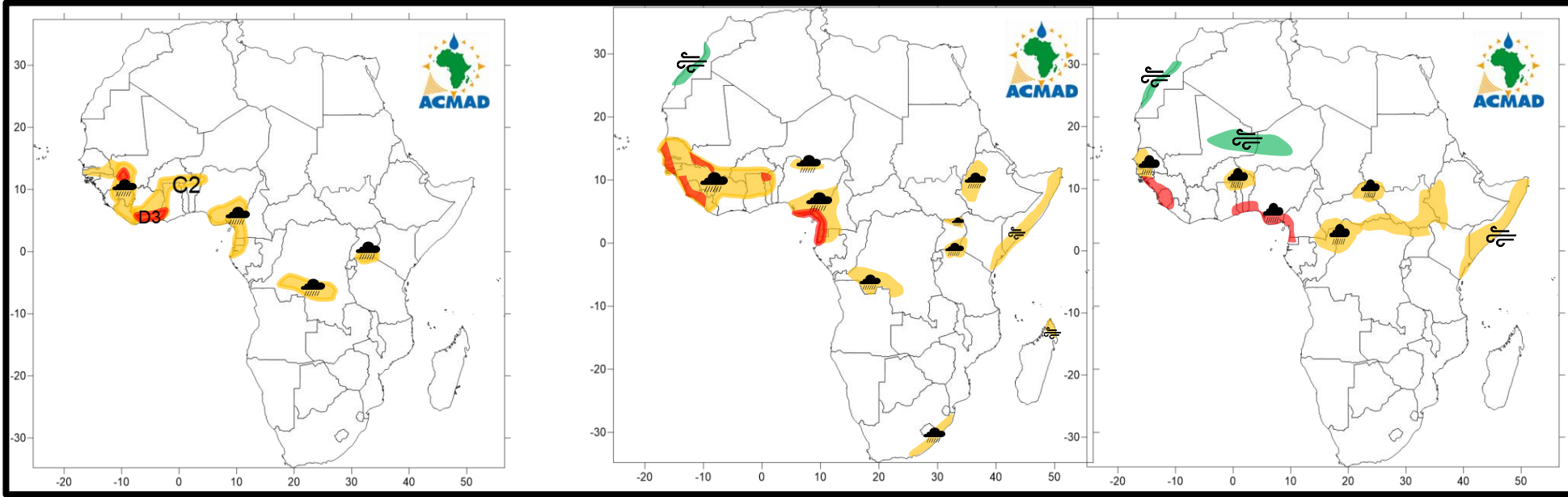
Summary of 72-hour forecast



2021 -09-15

2021-09-16

2021-09-17



Region
Africa
Date
2021 09 15
Time
1200 + 24 hrs
Data
SEVIRI 10.8 μ m NWCSAF - CRR NWCSAF - RDT
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 cloudy	slight/moderate rain	slight/moderate rain	slight/moderate rain
Zinder	Partly cloudy	slight/moderate rain	slight/moderate rain	slight/moderate rain
Maradi	Partly cloudy	slight/moderate rain	slight/moderate rain	slight/moderate rain
Tahoua	partly cloudy	slight/moderate rain	slight/moderate rain	slight/moderate rain
Dosso Niamey Tillaberi	slight/moderate rain	slight/moderate rain	slight/moderate rain	slight/moderate rain

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.

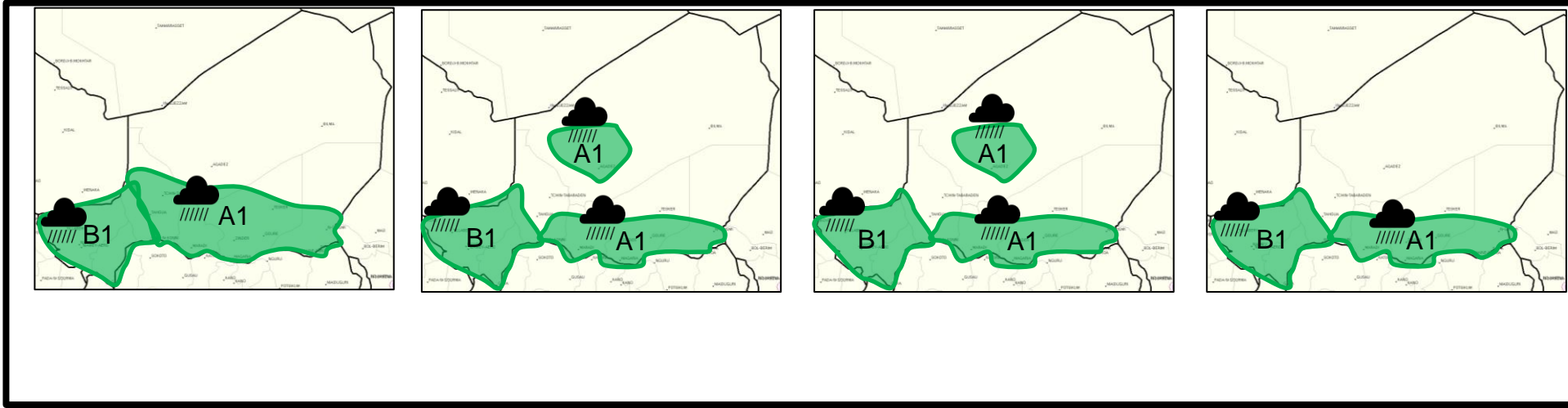


15 UTC

18 UTC

21 UTC

00 UTC



Region
Niger
Date
2021 09 15
Time
0000 + 24 hrs
Data
SEVIRI 10.8 μ m NWCSAF - CRR NWCSAF - RDT
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 cloudy	Partly slight rain	Partly slight rain	Partly slight rain
Zinder	Partly cloudy	Partly slight rain	Partly slight rain	Partly slight rain
Maradi	Partly cloudy	slight rain	slight rain	slight rain
Tahoua Agadez	partly cloudy	Partly slight rain	Partly slight rain	Partly slight rain
Dosso Niamey Tillaberi	partly cloudy	Slight/moderate rain	Slight/moderate rain	Slight/moderate rain

Summary of 12-24 hour forecast

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