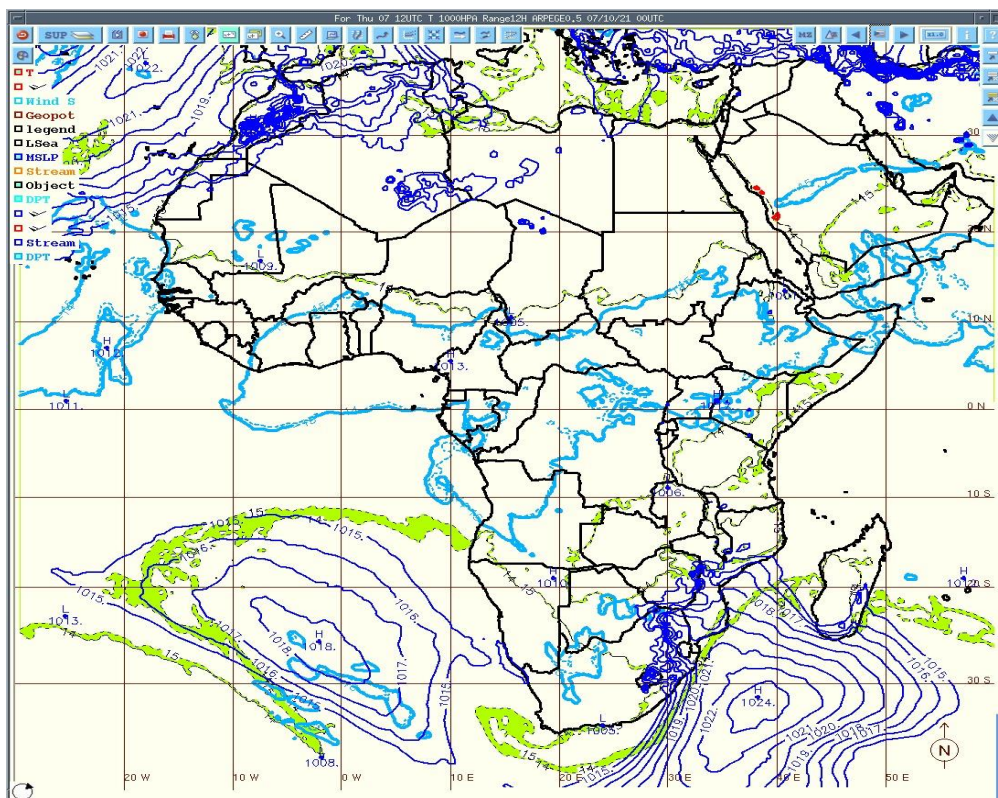




Synoptic weather Forecast sheet - ACMAD

2021 10 07 0600 UTC

Dry
IntrusionIncreasing
Pressure
Tendencydecreasing
Pressure
TendencyWind
Streamlines

Isobar

Region

Africa

Date

2021 10 07

Forecast Time

0000 + 12 hrs

Data

GFS synthetic
analysis chart

24 hr Regional Synoptic Summary

Azores high is expected to be quasi-stationary while weakening (from 1024hPa to 1021hPa) and extending a ridge over Morocco.

St Helena high is expected to remain quasi-stationary while intensify (from 1018hPa to 1019hPa).

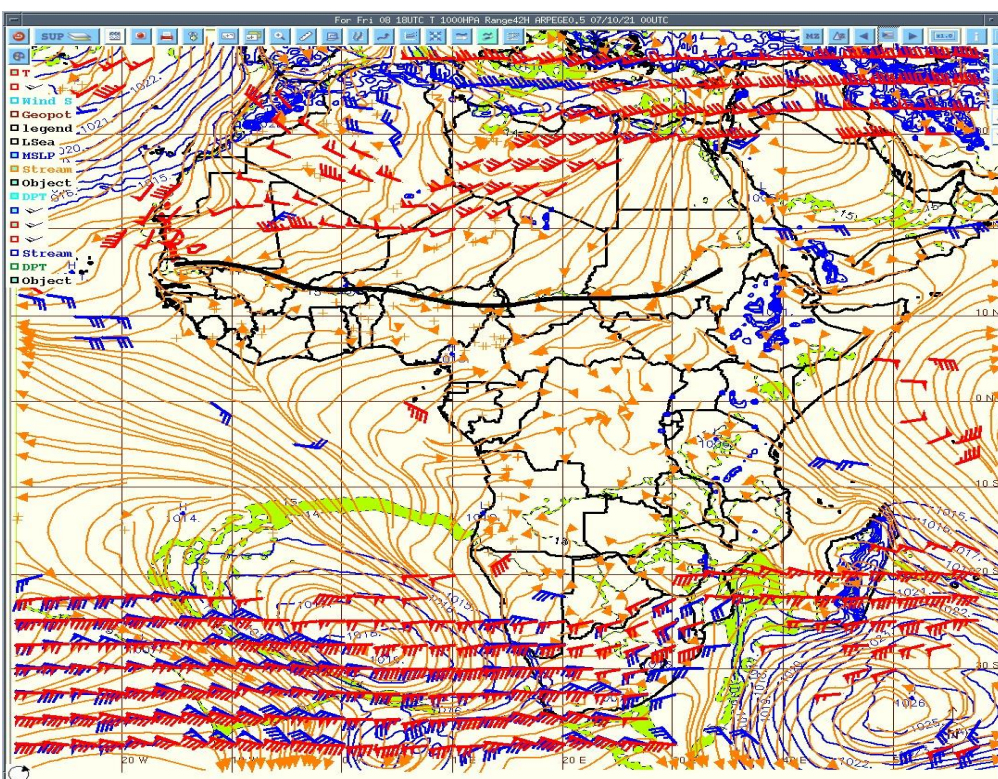
Mascarenes high is expected to remain quasi-stationary while weakening (1025hPa to 1022hPa).

ITD is expected to slightly shift southwards.

The monsoon flow penetration will be up to 12°N. Higher values of the monsoon depth (3500m) are expected over the coastal areas of West and Central Africa while lower values are expected to south Sahel (2500m).

Dry air is expected over western parts of West Africa.

AEJ are expected to occur over the Gulf of Guinea Countries.



STJ



TEJ



AEJ



ITD

Monsoon
troughMonsoon
ridge

Region

West Africa

Date

2021 10 07

Forecast Time

0000 + 39 hours

Data

GFS synthetic
analysis chart

24-72 hr Regional Synoptic Summary

Azores high will retract westwards while intensifying from 1021hPa to 1024hPa and maintaining its ridge over Morocco.

St-Helena high will intensify from 1019hPa to 1022hPa and shift to south of South Africa.

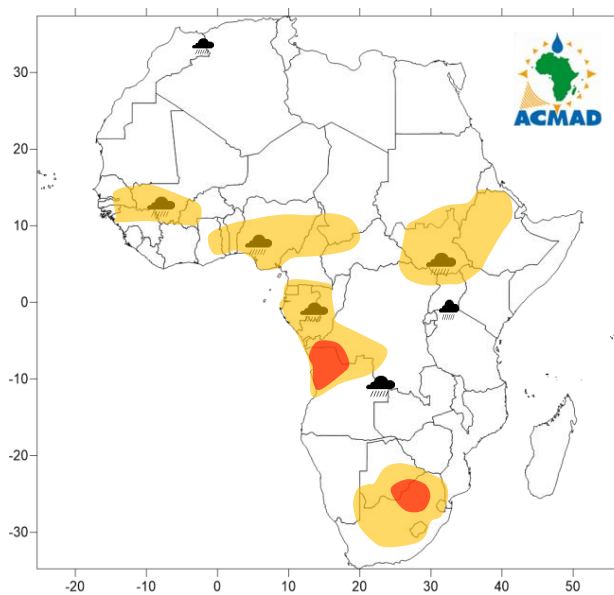
Mascarene is expected to slightly move eastwards while intensifying from 1023hPa to 1030hPa.

ITD will generally remain quasi-stationary.

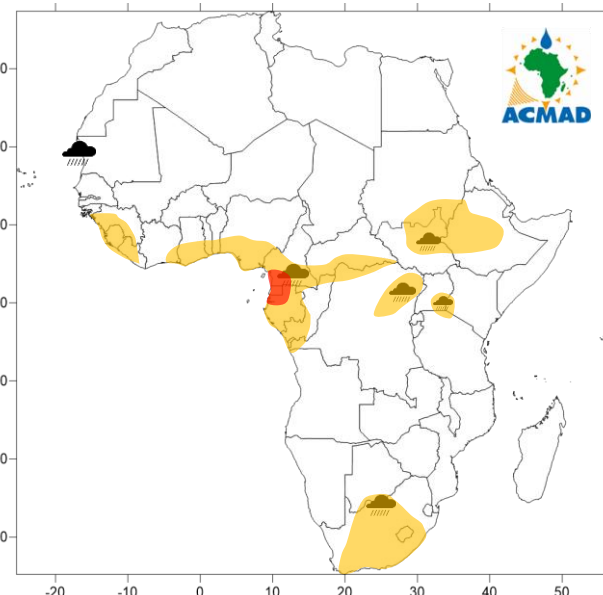
Monsoon flux penetration will be up to 16°N over Senegal and southern Mali, and up to 13°N elsewhere. Higher values of the monsoon depth (3500m) are expected over the coastal areas of West and central Africa countries and lower values are expected to southern Sahel (2500m).

Dry air will remain over Mali, Guinea, Guinea Bissau, Gambia and Senegal. The convection will be confined over East and Central Africa.

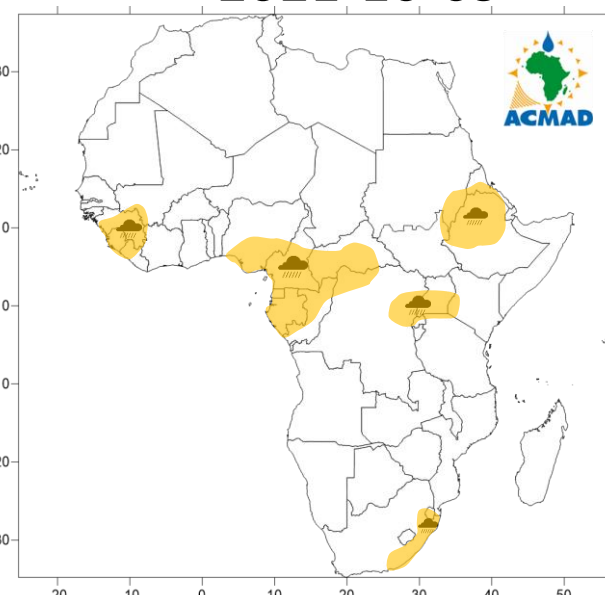
2021 -10-07



2021-10-08



2021-10-09



Region

Africa

Date

2021 10 07

Time

07-09/10/2021

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

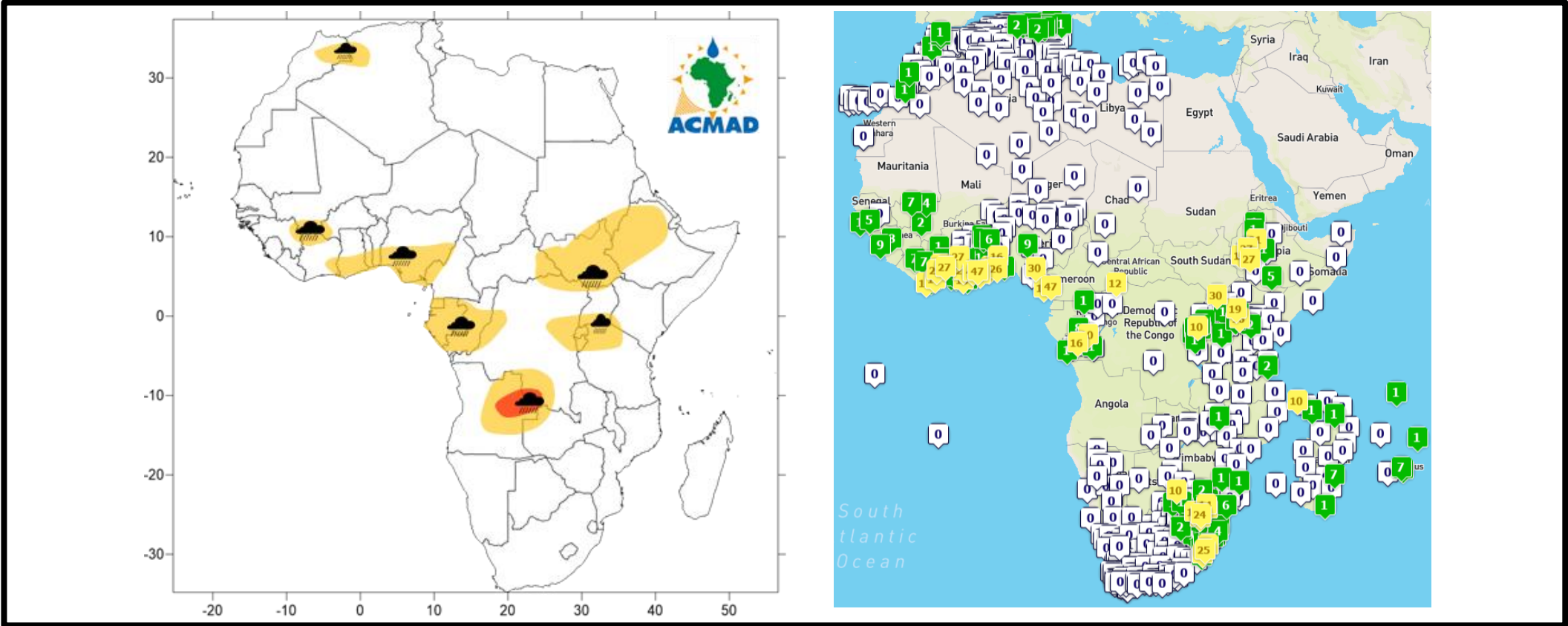


High impact weather Forecast verification

VT: 2021 10 06

Forecast issued on 2021 10 06 for 2021 10 06

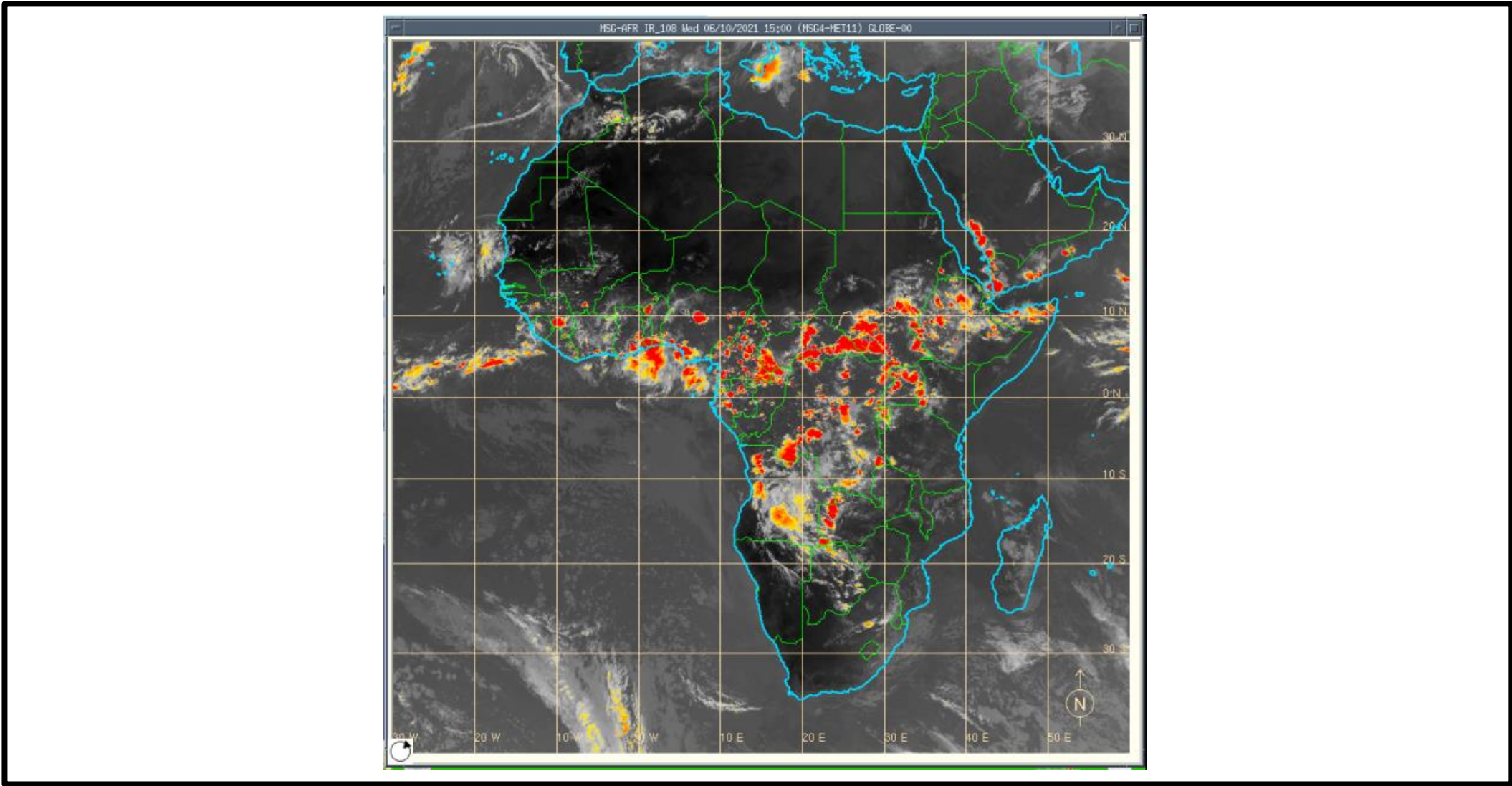
2021 10 06 24H rain gauge observation



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

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

MSG-AFR IR_108 on 06/10/2021 at 15:00 UTC



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