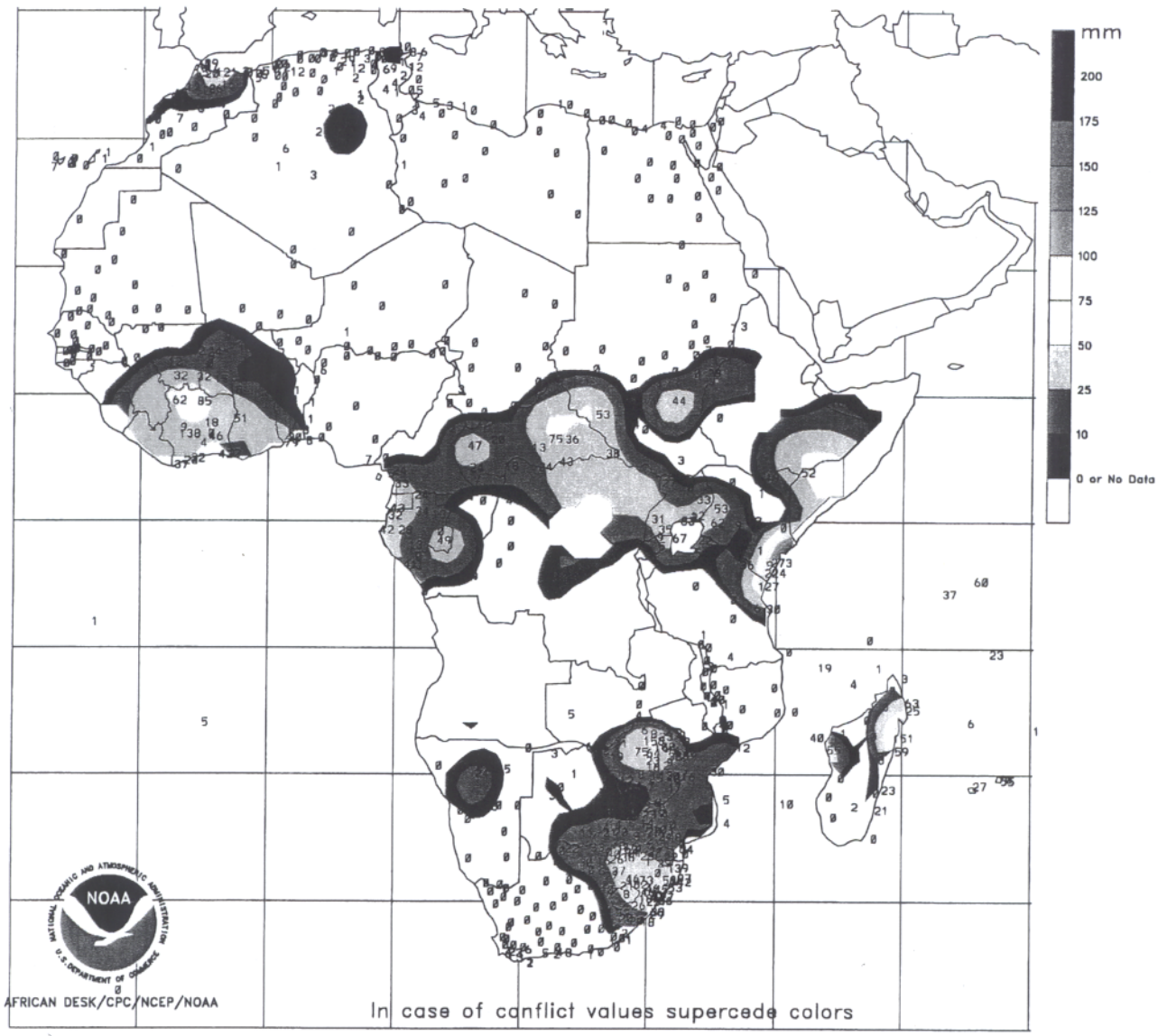
Climate Monitoring in Africa

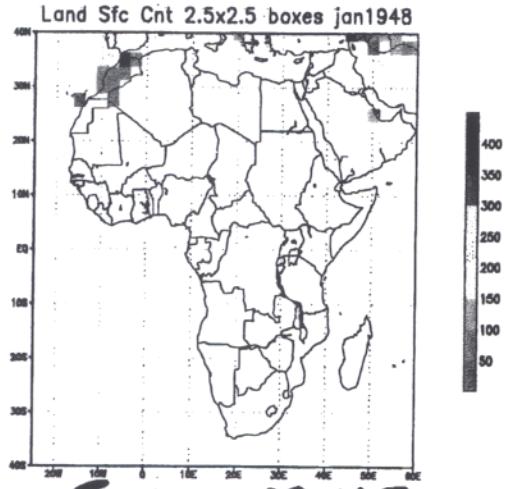
Wassila M. Thiaw

Climate Prediction Center
National Centers for Environmental Predictions
National Weather Service/NOAA

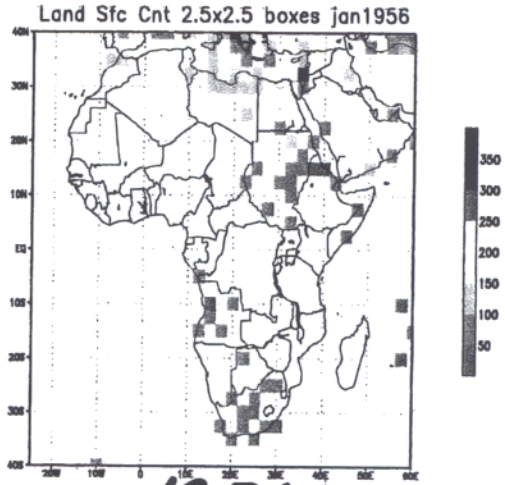
ESTIMATED PRECIPITATION 1-10 MAY2000



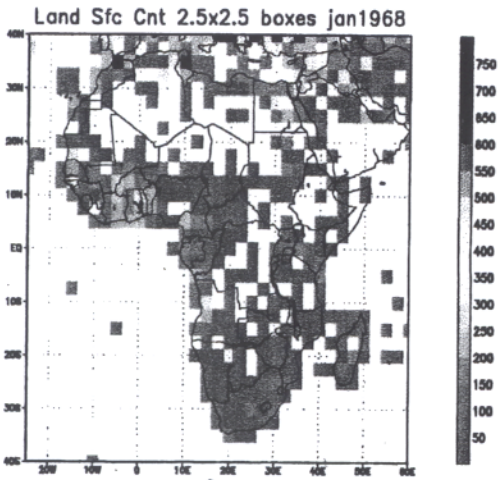
SURFACE OBS



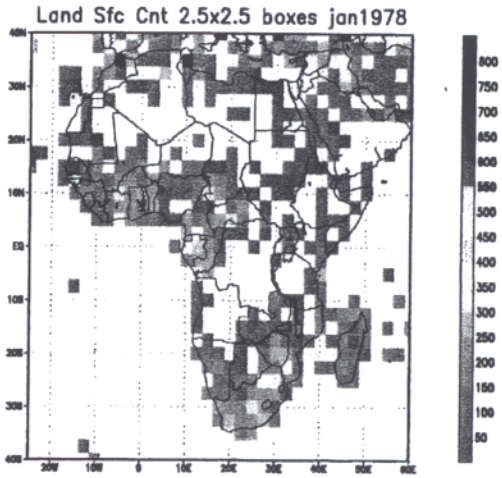
JAN 1948



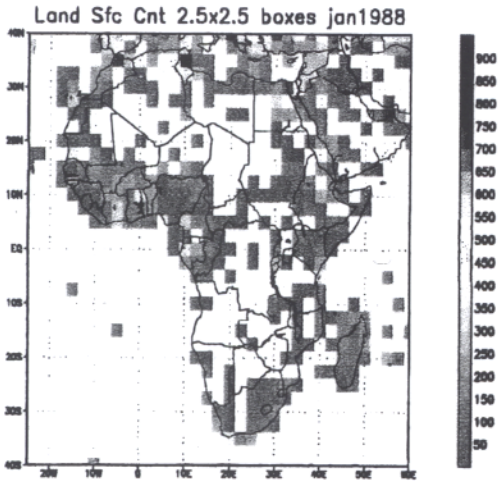
1956



1968



1978



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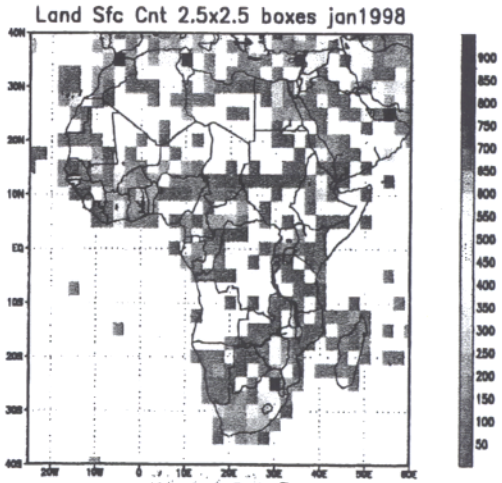
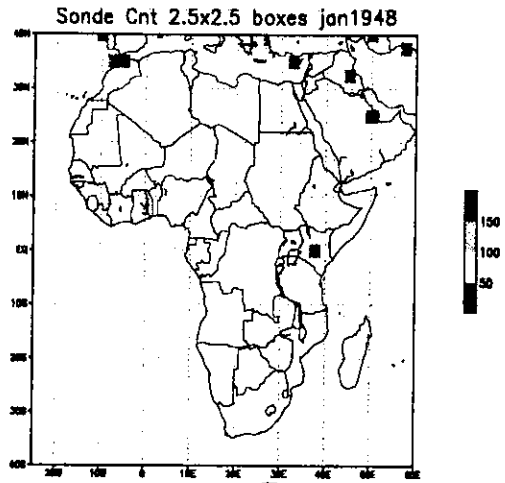
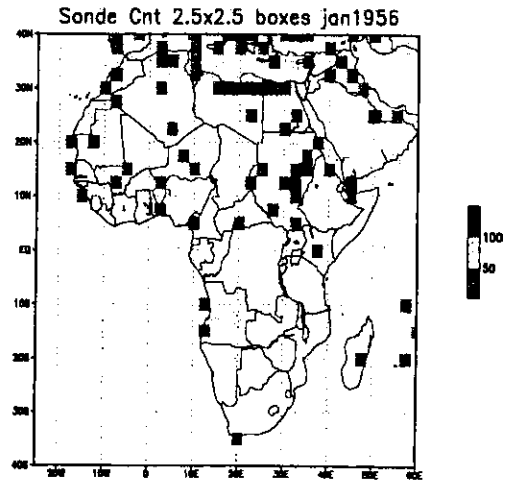


1998

SONDES & PIBALS



1948
JAN



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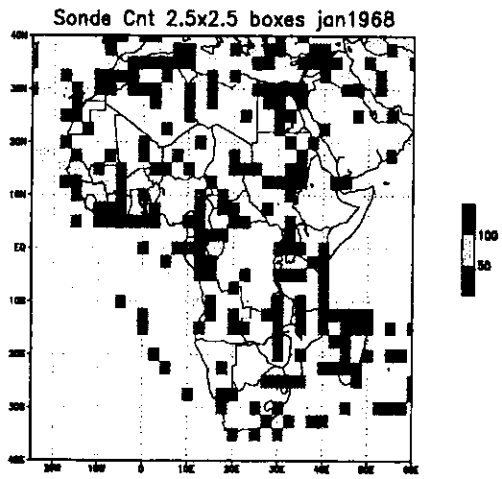

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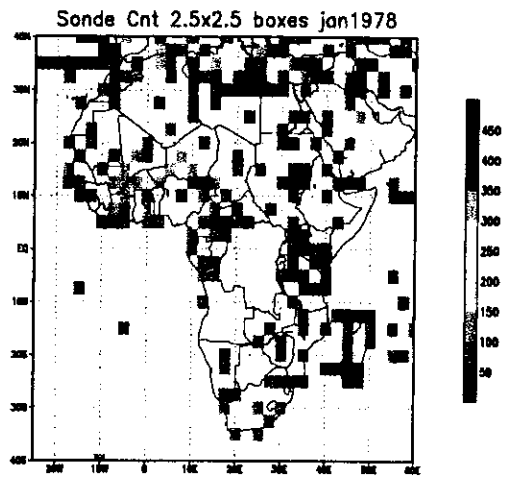

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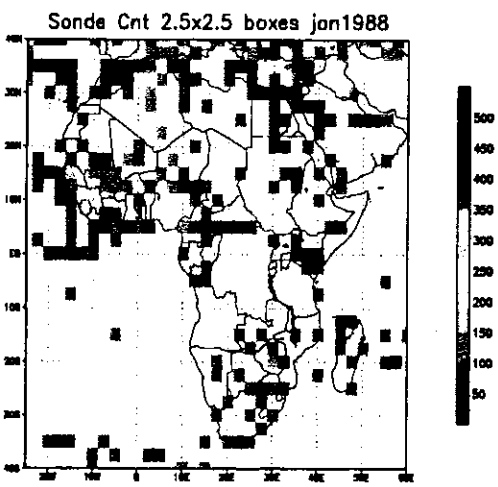
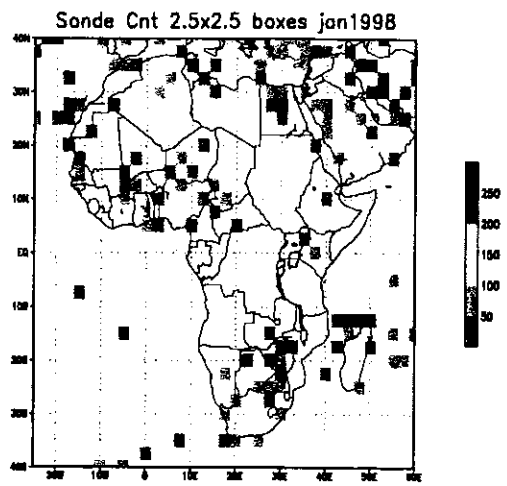
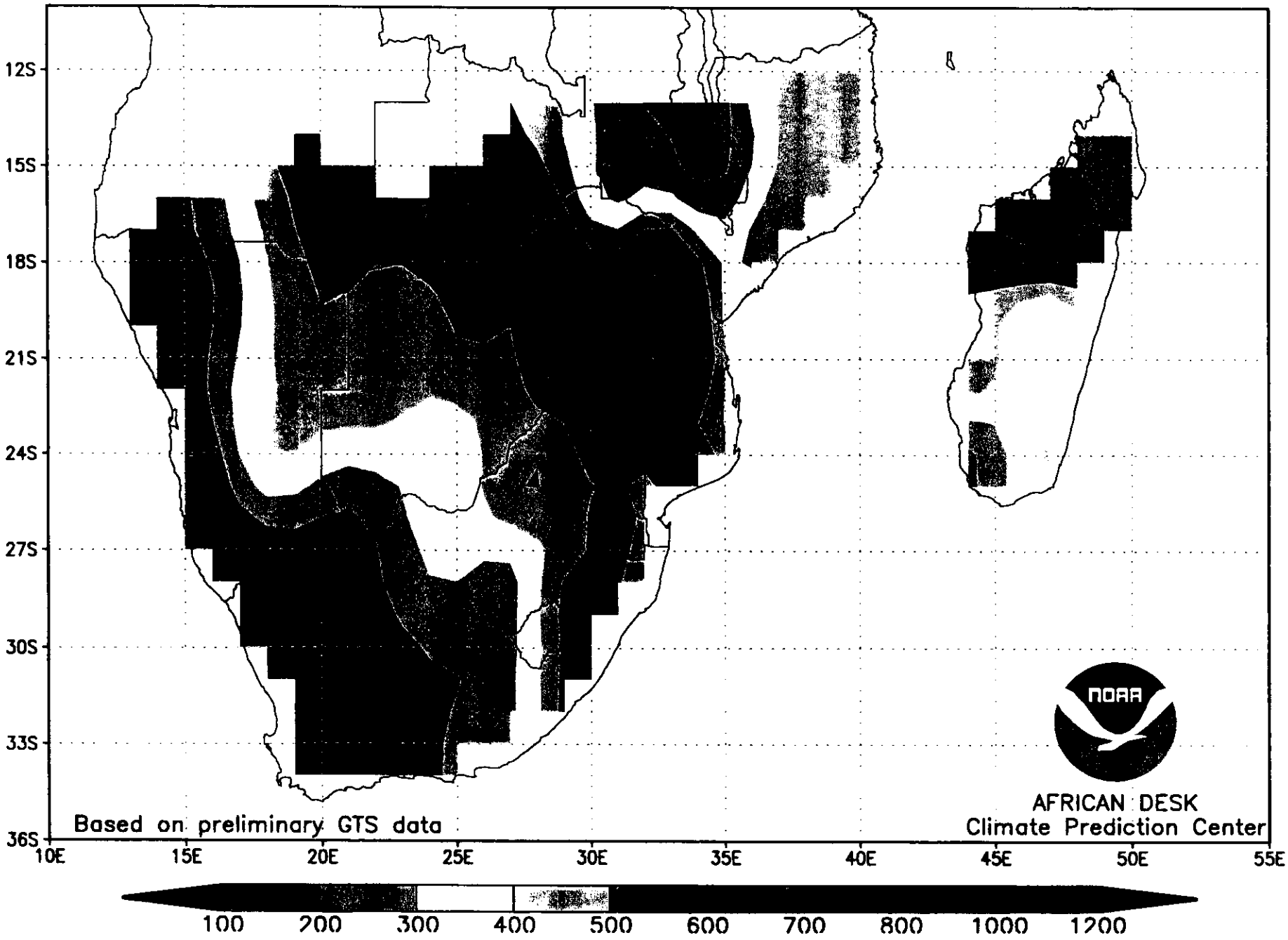


1988

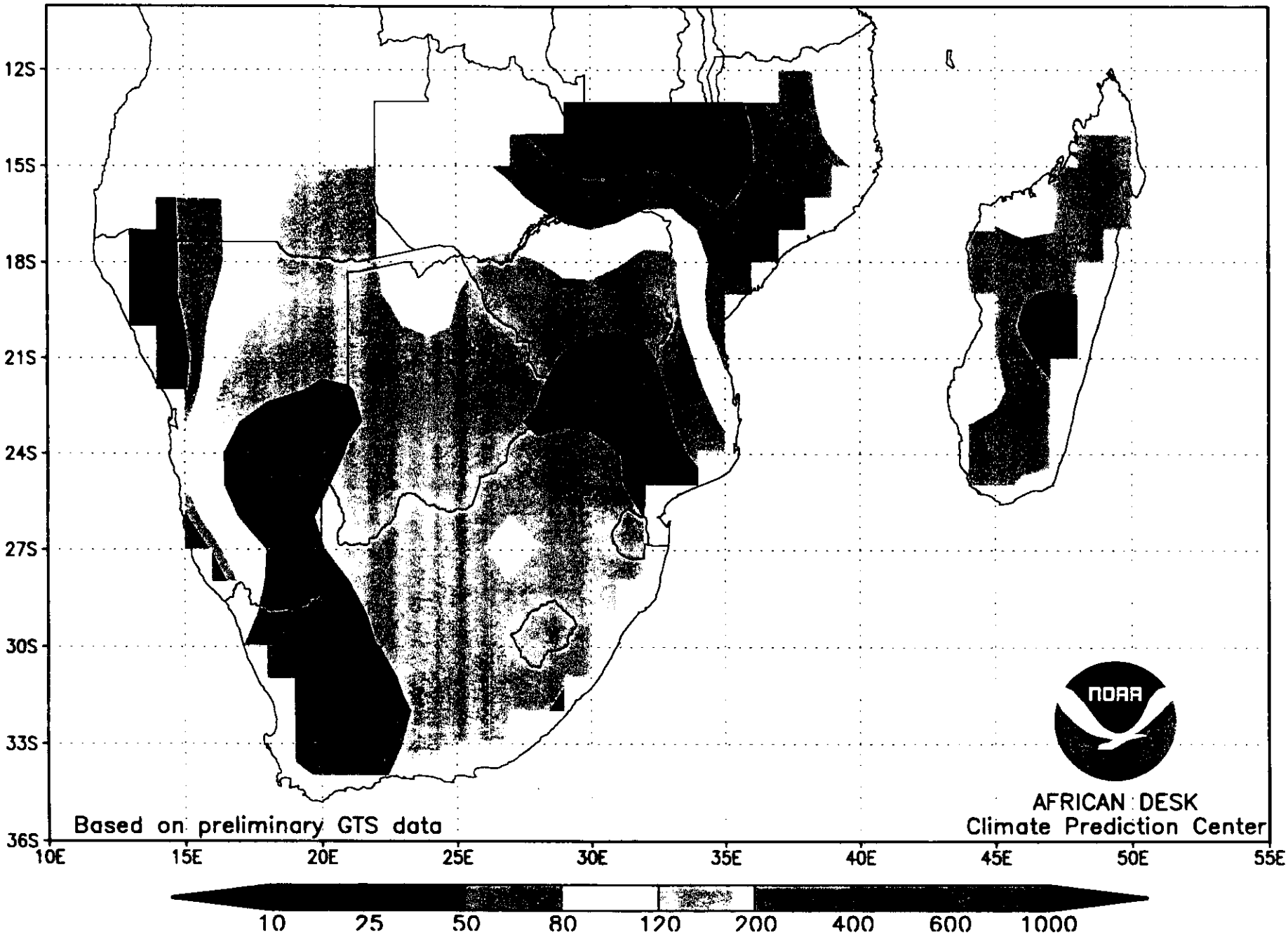


1998

Total Precip (in mm) for DEC1999–FEB2000

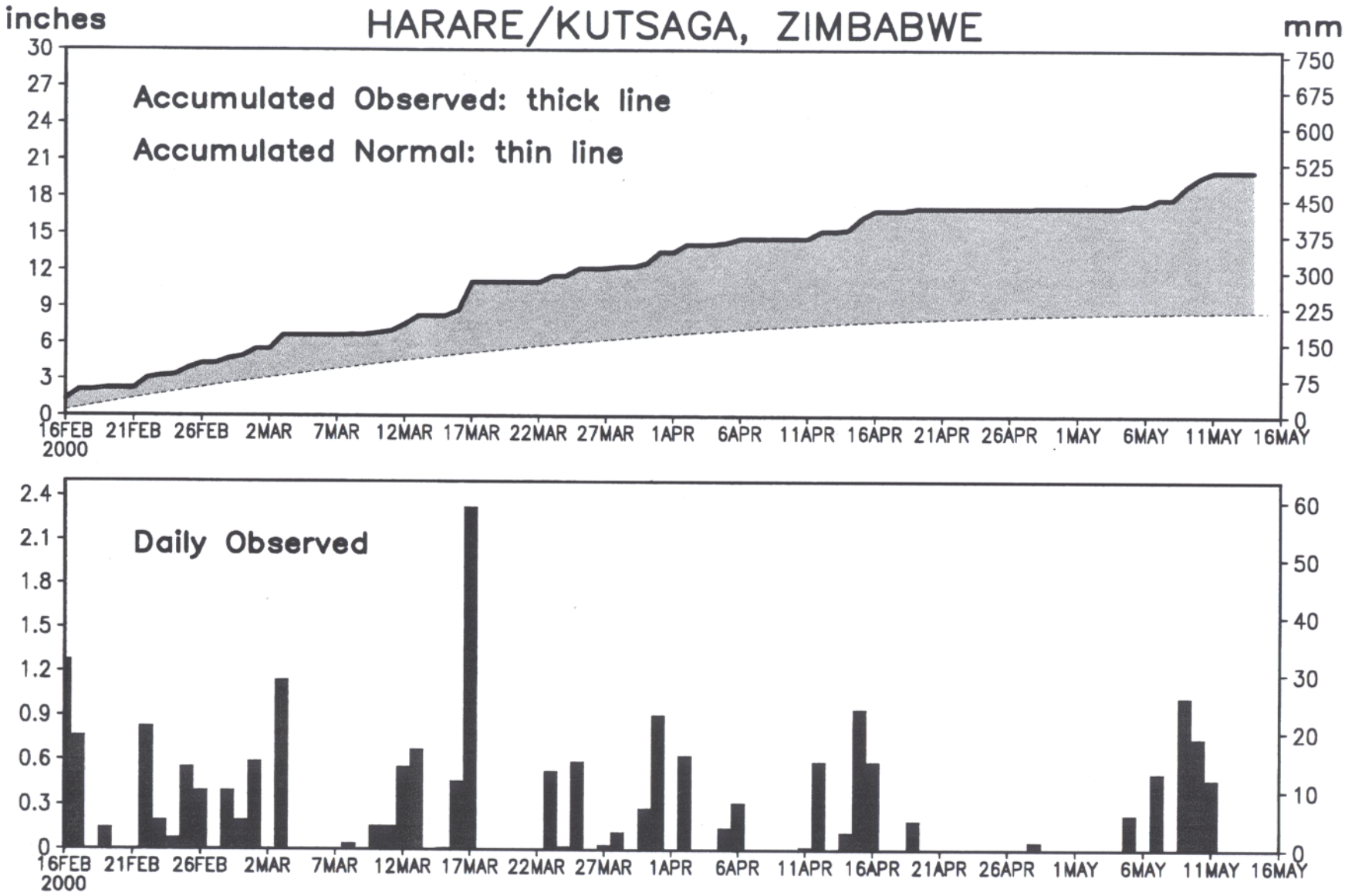


Percent Normal Precip for DEC1999–FEB2000



Precipitation

HARARE/KUTSAGA, ZIMBABWE

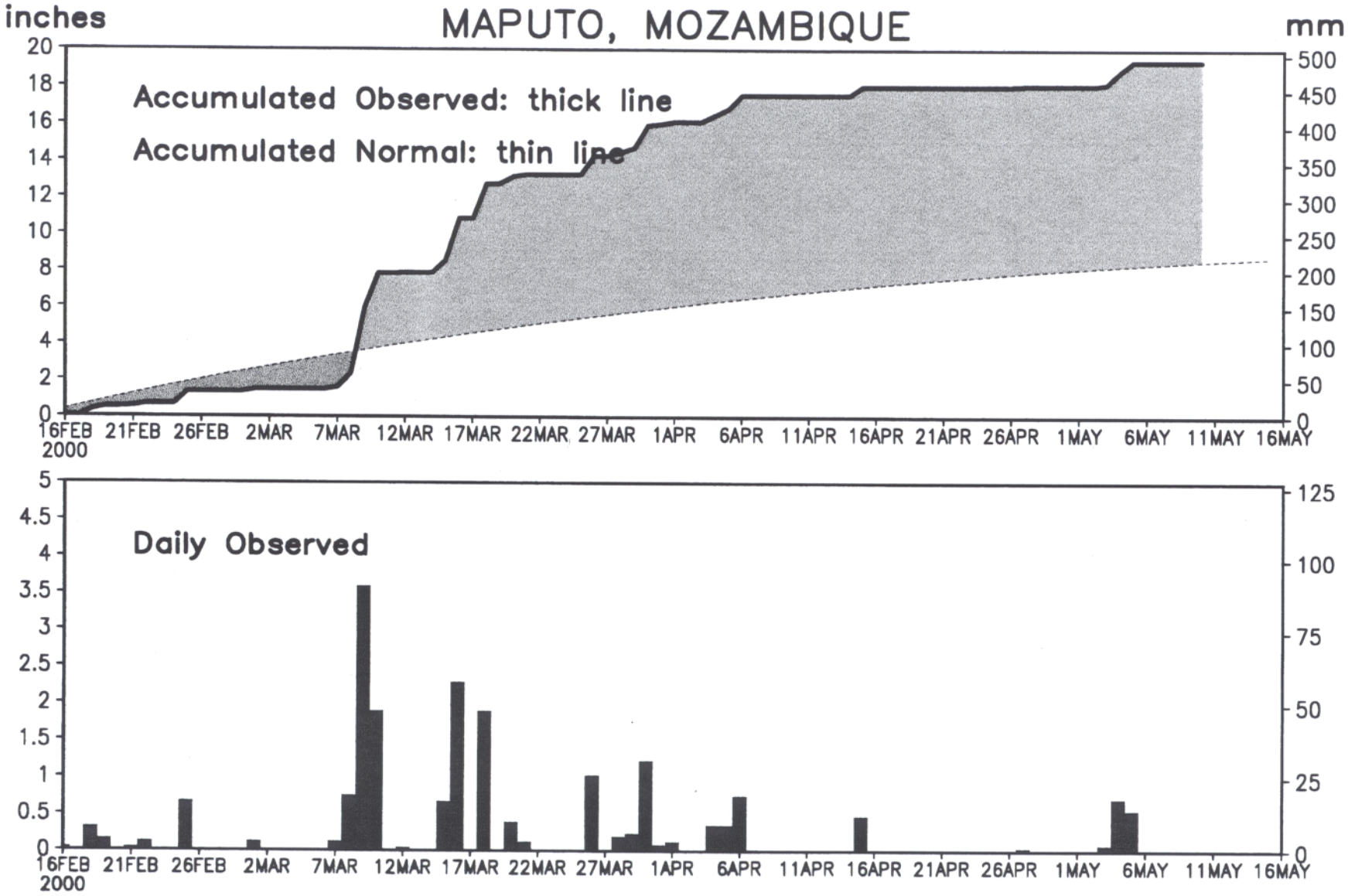


Data updated through 15 MAY 2000

CLIMATE PREDICTION CENTER/NCEP

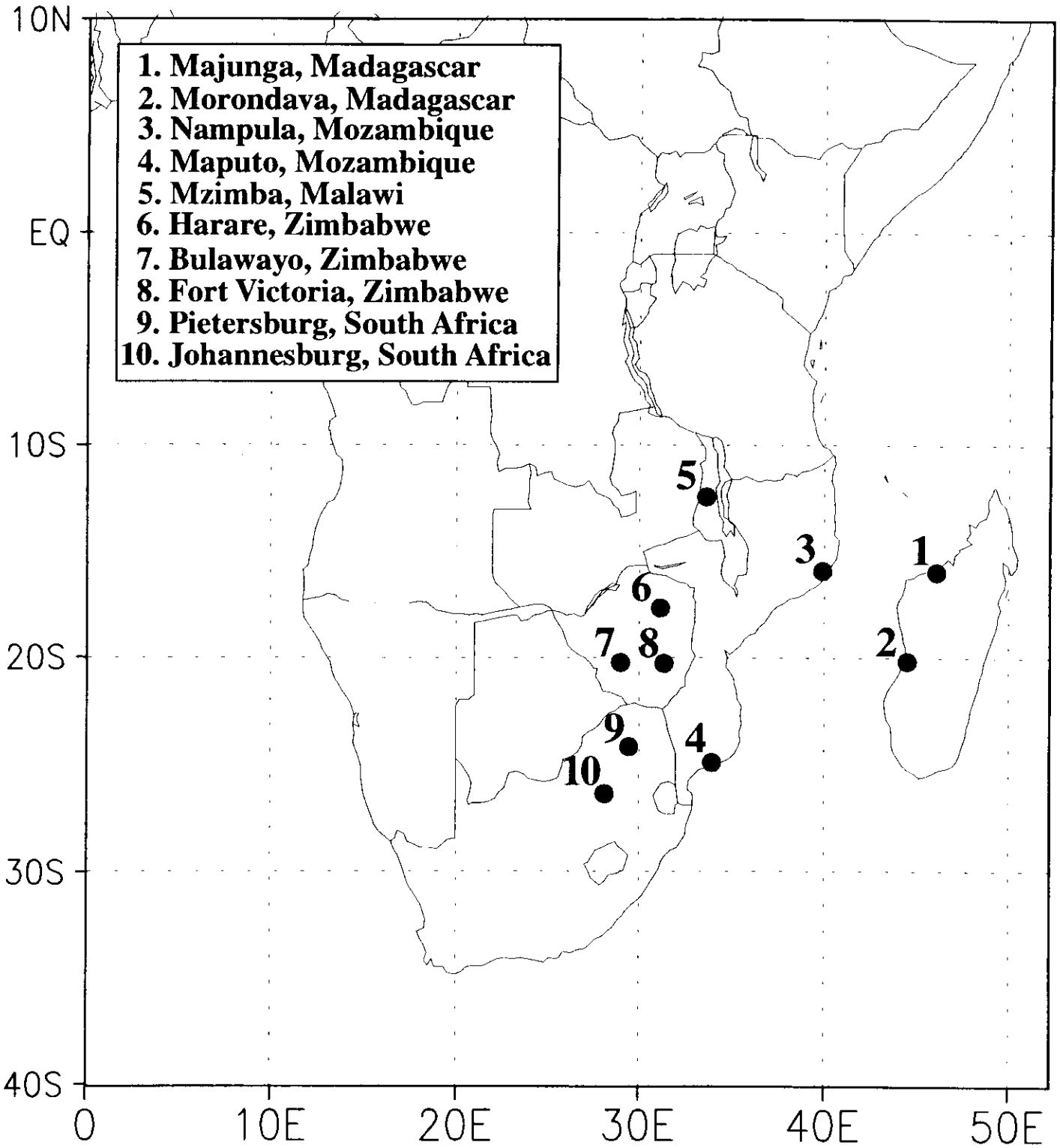
Precipitation

MAPUTO, MOZAMBIQUE

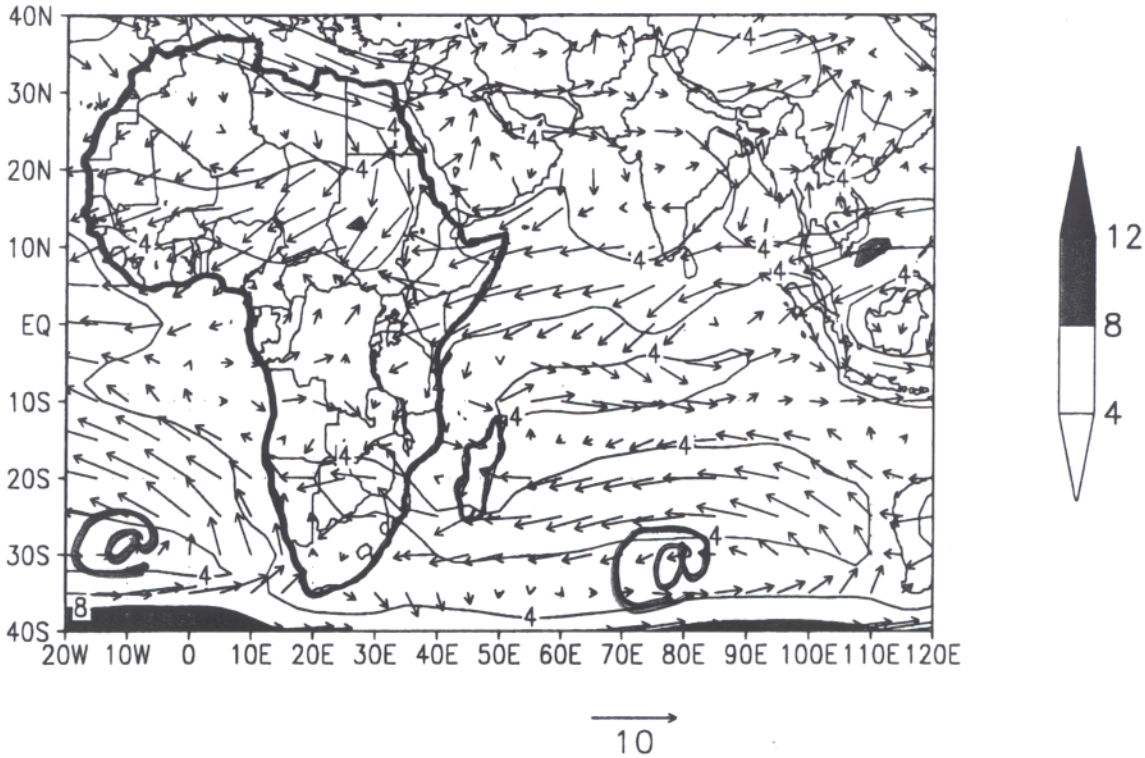


Data updated through 15 MAY 2000

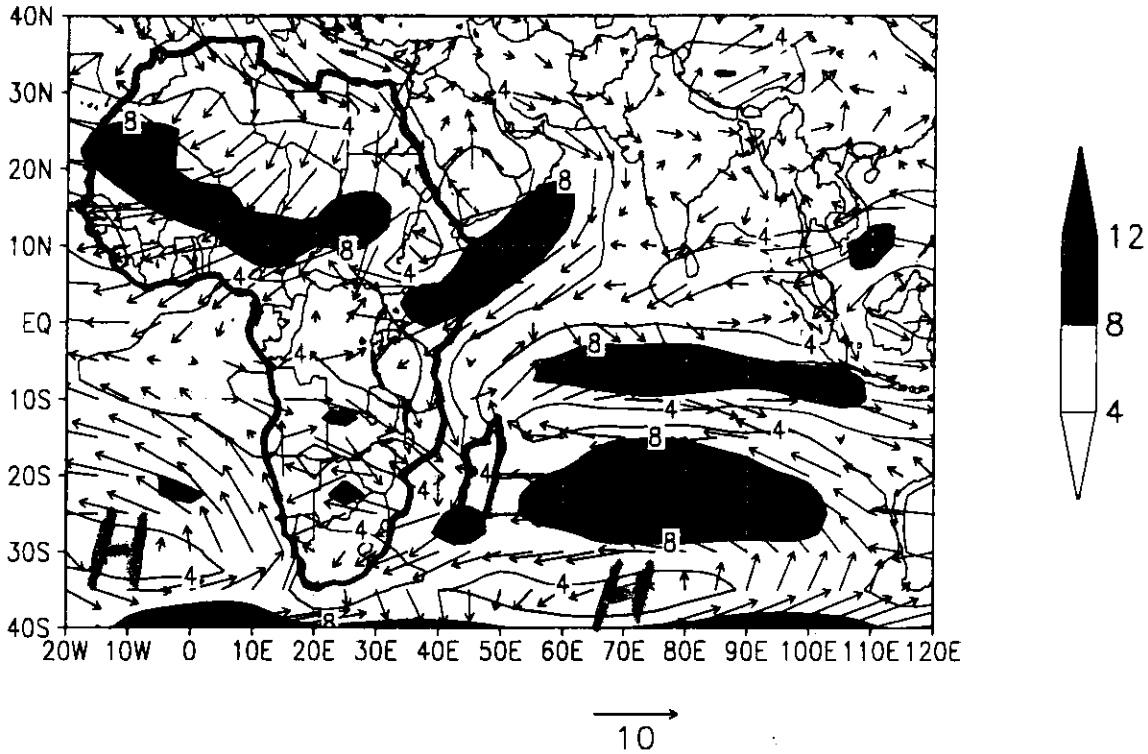
CLIMATE PREDICTION CENTER/NCEP


1. Majunga, Madagascar
2. Morondava, Madagascar
3. Nampula, Mozambique
4. Maputo, Mozambique
5. Mzimba, Malawi
6. Harare, Zimbabwe
7. Bulawayo, Zimbabwe
8. Fort Victoria, Zimbabwe
9. Pietersburg, South Africa
10. Johannesburg, South Africa
10N
EQ
10S
20S
30S
40S
0
10E
20E
30E
40E
50E

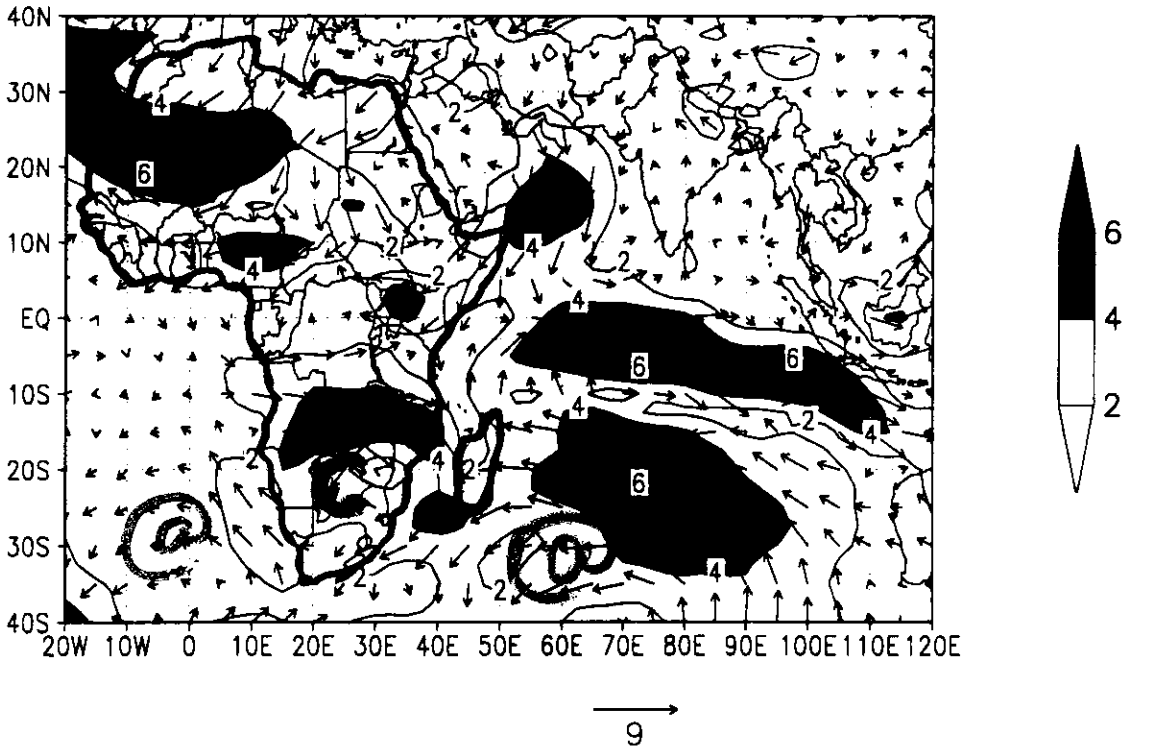
850mb Wind Climo FEB



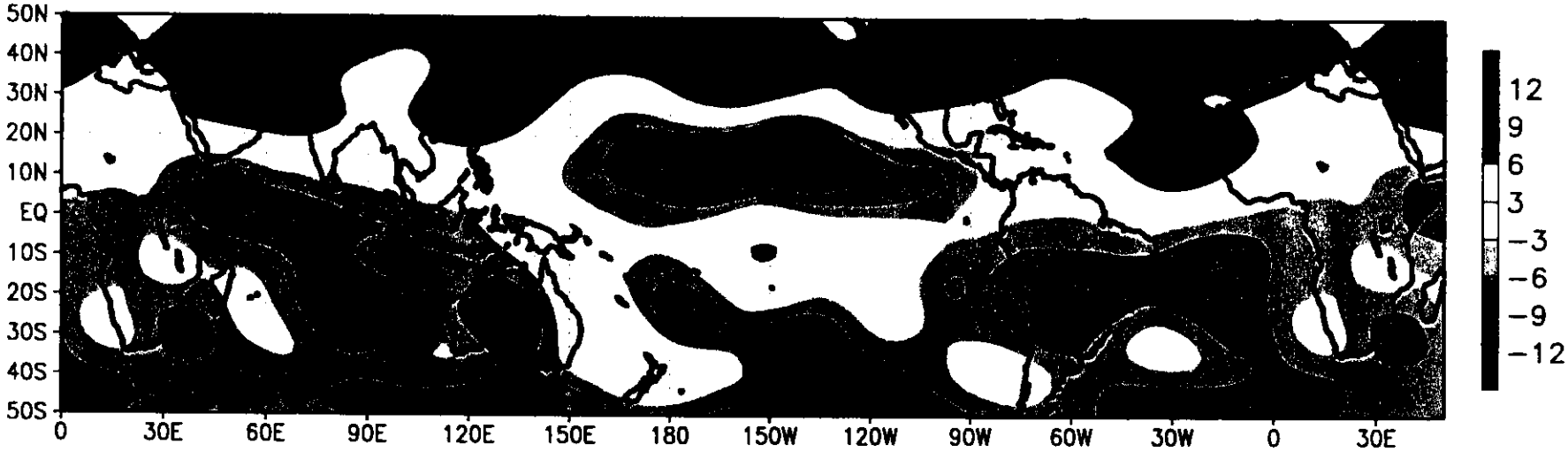
850mb Mean Wind FEB 2000



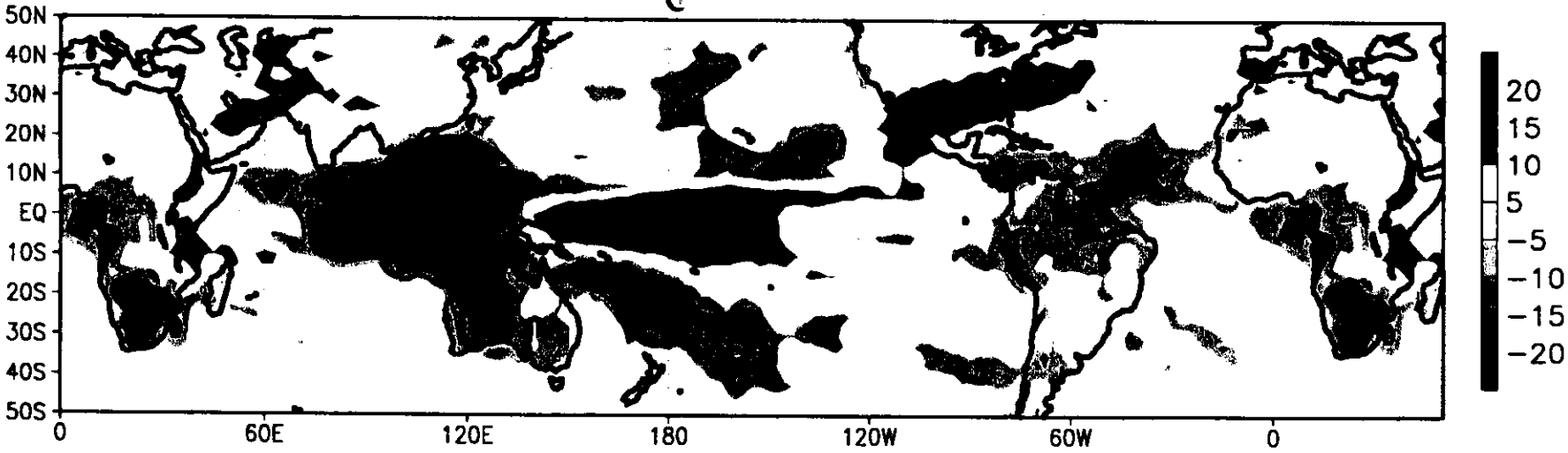
850mb Wind Anomaly FEB 2000



Stream F. Anomaly, DEC–FEB 1999–2000

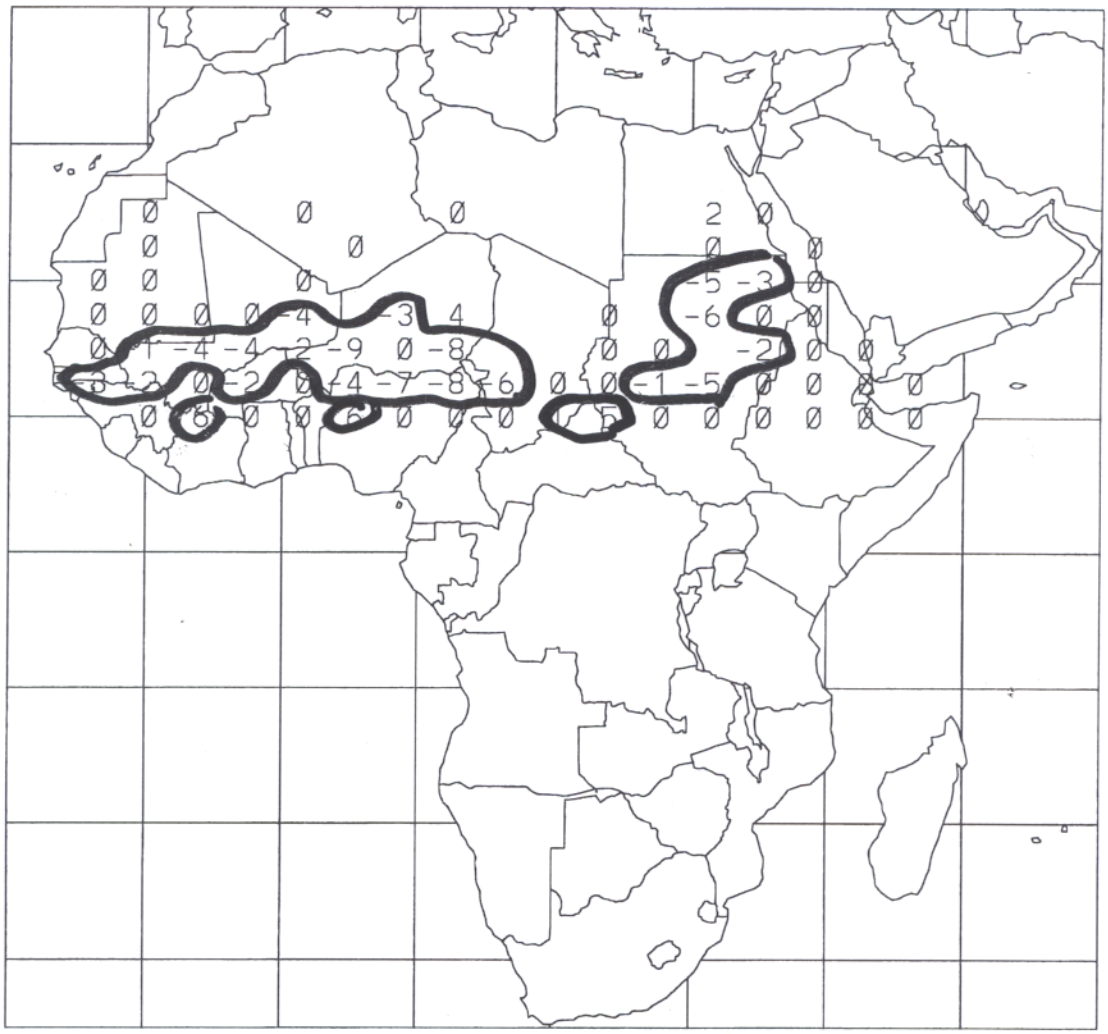


OLR Anomaly, DEC-FEB 1999-2000



CCA–BASED PROBABILITY ANOMALY FORECASTS (X 100)
FOR THE SAHEL RAINFALL FOR JUN–JUL–AUG 2000.

AT ONE MONTH LEAD.



NCEP/CPC/AFRICAN DESK

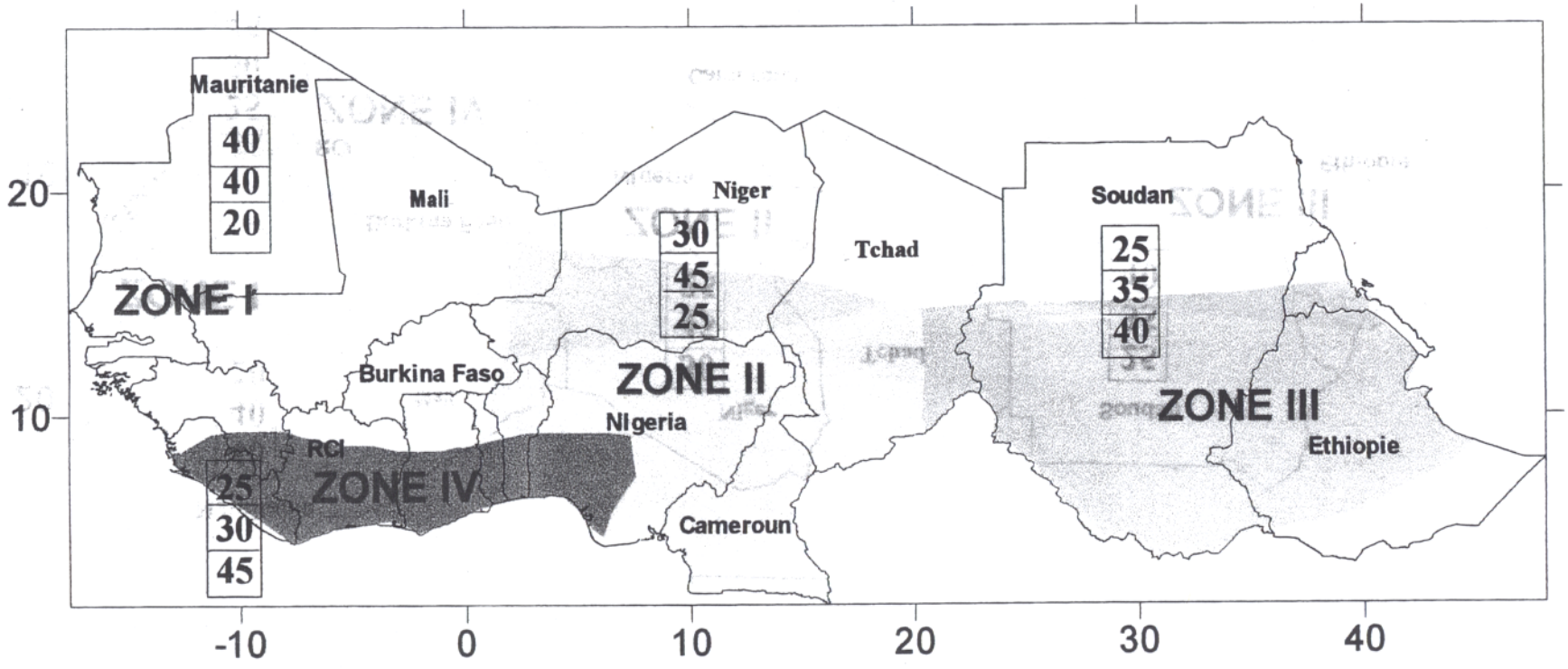
-9 ⇒ -0.09 ⇒ P(above) = 0.243

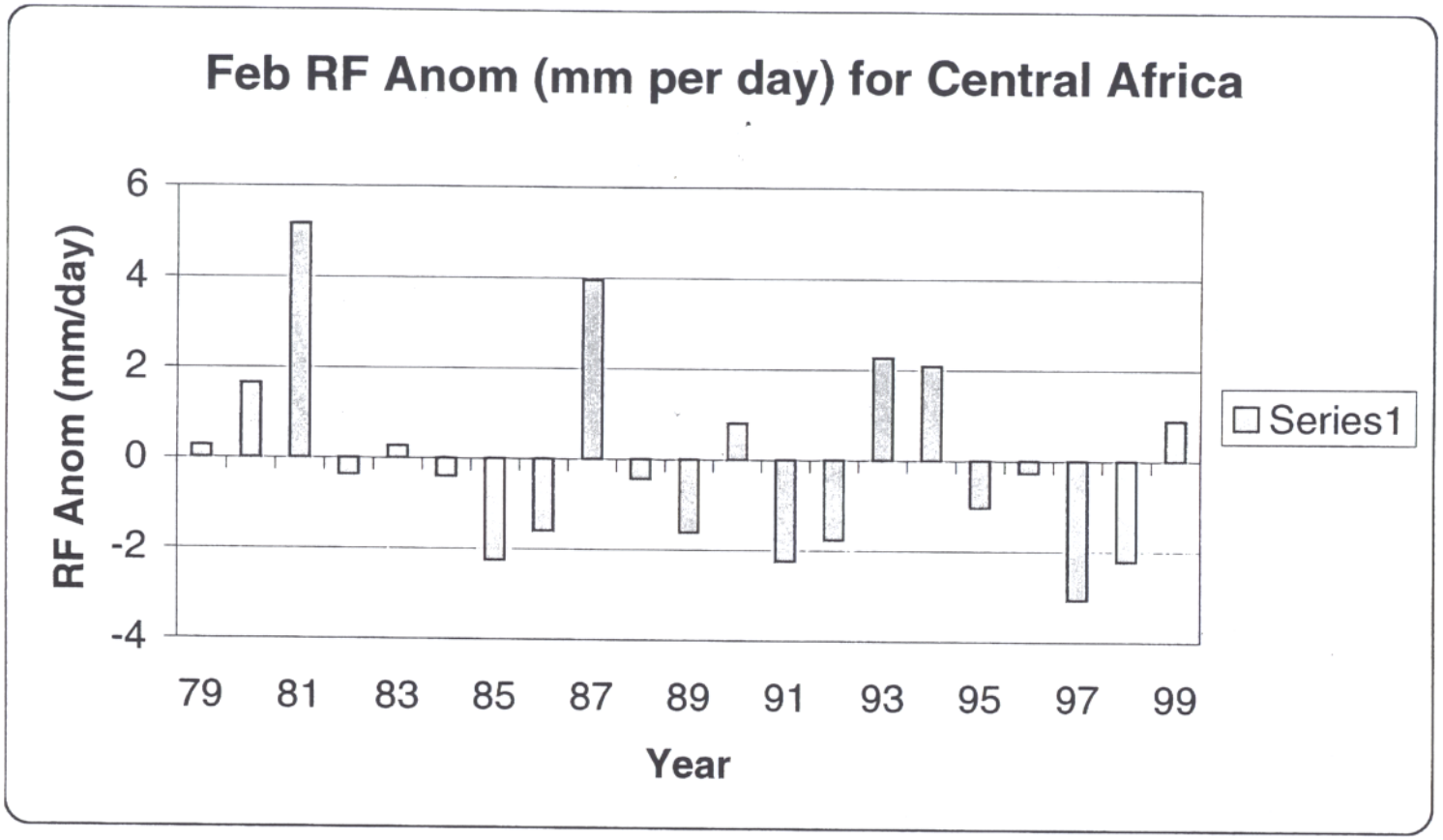
P(normal) = 0.333

P(below) = 0.423

PREVISION SAISONNIERE DES PLUIES EN AFRIQUE DE L'OUEST, SOUDAN, ETHIOPIE ET ERYTHREE
(Juillet-Aout-Septembre 2000)
SEASONAL RAINFALL OUTLOOK FOR WEST AFRICA, SUDAN, ETHIOPIA AND ERITREA
(July-August-September 2000)

PRESAO-03 OUAGADOUGOU 08 - 13 MAI 2000




Feb RF Anom (mm per day) for Central Africa
RF Anom (mm/day)
6
4
2
0
-2
-4
79
81
83
85
87
89
91
93
95
97
99
Year
Series1

Corr Map Feb SST Anom vs Feb RF Anom