Observational Facility in Nepal and Operation of AMY-2008

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Meteorological Station in Nepal

•	Rainfall Station	337
•	Climate Station	67
•	Agrometeorological Station	22
•	Synoptic Station	9
•	Aerosynoptic Station	6
	Total	442
Automatic Weather Station		18







Tsho Rolpa Glacier Lake, Nepal



Upper Air Observation

- Upper air observations are not only important but essential toward the understanding of the atmospheric behavior and their prediction.
- At present none in Nepal
- Is there any possibility of even having a temporary station for monitoring the upper atmosphere?



Spatial Distribution of maximum temperature trends in Nepal for the period 1977 to 1994.



Kathmandu Maximum Temperature (°C)

Web site of Department of Hydrology and Meteorology

• <u>www.dhm.gov.np</u>

• www.mfd.gov.np





THE PHYSIOGRAPHIC REGIONS OF NEPAL



⁽Source: modified from Nelson, et al 1980, and Ramsay, 1986)





The Diversity









Himalayan region and modeling

- In this part of the South Asia especially in the Himalayan region the success story of the monsoon modeling has yet to be made.
- The Himalayan topography is still a scientific challenge to the modeling communities.

Proposal: To make the effort to develop model in the Himalayan region so that it can be applied effectively for the benefit to the people in that region.

Thank you