



Figure 6.8. Generalized topography of Mekong River basin; dots show location of precipitation stations (United States Weather Bureau, 1970)

6.2.2.4 Adjustment of Viet Nam tropical storm rainfalls

Since the non-orographic PMP DAD curves of Figure 6.10 applied only to the Viet Nam coast, the indicated values had to be modified for occurrence in the Mekong basin. The following adjustments were thus required:

- (a) distance inland;
- (b) moisture source;
- (c) latitude;
- (d) moisture-inflow barriers;
- (e) basin topography.

6.2.2.4.1 Adjustments for distance inland and moisture source

The general decrease in tropical storm rainfall with distance inland previously developed in another study (Schwarz, 1965) was considered applicable to South-East Asia. Approximately 60 United States storms in mostly non-orographic regions were used. Figure 6.11 shows the adjustment for the Lower Mekong in percentages of the PMP values off the coast.

While typhoons approach the Mekong basin from an easterly direction, the wind circulation brings in moisture from the southerly and easterly directions. The few analysed storms in the basin clearly