



Figure 5A.53 Monthly rainfall variations in July 1993 at selected stations in the Ganga–Brahmaputra–Meghna basin.

Notes: For the location of the stations, see Figure 3.1; for the data sources, see Table 3.2.

*desh Observer* (1993), *The Daily Star* (1993) and *The Bangladesh Times* (1993) (Bärtschi et al. 1995). Based on this review, the flood in Bangladesh occurred mainly in two phases: 18–25 June and 10–26 July. The inundations almost exclusively affected the Meghna and the Brahmaputra/Padma systems. Although the severe flood in Nepal on 19 and 20 July coincided temporally with the second flood period in Bangladesh between 10 and 26 July, there is no reason to assume a causal relationship between the flood in Nepal (in the Ganga system) and the floods in Bangladesh (in the Meghna and Brahmaputra systems).

#### *Monthly rainfall (Figure 5A.53)*

Since our discussion of the 1993 case study concentrates on the flooding processes in July, the monthly rainfall data are presented only for that particular month. In Figure 5A.53, the percentage variations of the July rainfall from the long-term average are documented for selected stations in the study region. The figure is structured, from left to right, to show the Ganga, the Brahmaputra and the Meghna systems as well as the southern areas. The figure documents the following overall rainfall features for July:

- above-average rainfall at all the stations in the Meghna catchment;
- predominantly above-average rainfall for the Brahmaputra catchment,