Preface

The Asian monsoon system is a huge circulation system in the global atmosphere and plays an important role in the energy and water cycle of the climate system. On the other hand, the seasonal prediction of regional or basin-wide water cycle affected by the monsoon system is an essential issue for the life, economy, agriculture in the countries in monsoon Asia.

To further understand and clarify uncertain and unsolved problems related to these issues, we proposed GEWEX Asian Monsoon Experiment (GAME) in 1994, as one of the Continental-Scale Experiments (CSEs) under the Global Energy and Water Cycle EXperiment (GEWEX). GEWEX is a major sub-program of the World Climate Research Programme (WCRP). In 1996, GAME formally started under the auspice of WCRP and GAME International Science Panel (GISP), and then GAME International Project Office (GIPO) were also established.

During the Intensive Observing Period (IOP) of 1998, the enhanced radiosonde observations were operated, in cooperation with the other international and national projects, and the collected data were utilized for the data assimilation to produce GAME Reanalysis Data. Intensive surface and atmospheric observations, including the Asian AWS Network activity and regional energy and water cycle experiments at the four target areas, i.e., Lena river basin in Siberia (GAME-Siberia), Huaihe river basin (GAME-Hubex) in China, Tibetan Plateau (GAME-Tibet) and Chao Praya river basin in Thailand (GAME-Tropics). were also conducted during the IOP. Further data collection effort continued for more than two or three years after the IOP, to obtain the data for studying seasonal and interannual variability of the processes. By utilizing these data, we have conducted many diagnostic analyses and modeling of energy and water cycle processes with various time and space scales. Nearly 200 scientific papers have already been published in many international journals for meteorology and hydrology.

This report summarizes the overall results of the GAME in 1996 through 2002. Further studies are still going on as GAME Phase-II, which has been planned for further integration of data analyses and modeling.

On the occasion of the successful ending of GAME Phase-I, we sincerely would like to thank all the collaborators and supporters of GAME, including the national meteorological and hydrological agencies and organizations in the Asian countries involved in GAME. We also would like to thank Prof. Pierre Morel, Prof. Hartmut Grassl, Dr. David Carson and Mr. Sam Benedict of WCRP, and Dr. Mous Chahine, Prof. Soroosh Sorooshian and Dr. Paul Try of GEWEX, for their continuous guidance and support to GAME.

Yours sincerely,
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