

OBSERVATIONAL SET UP

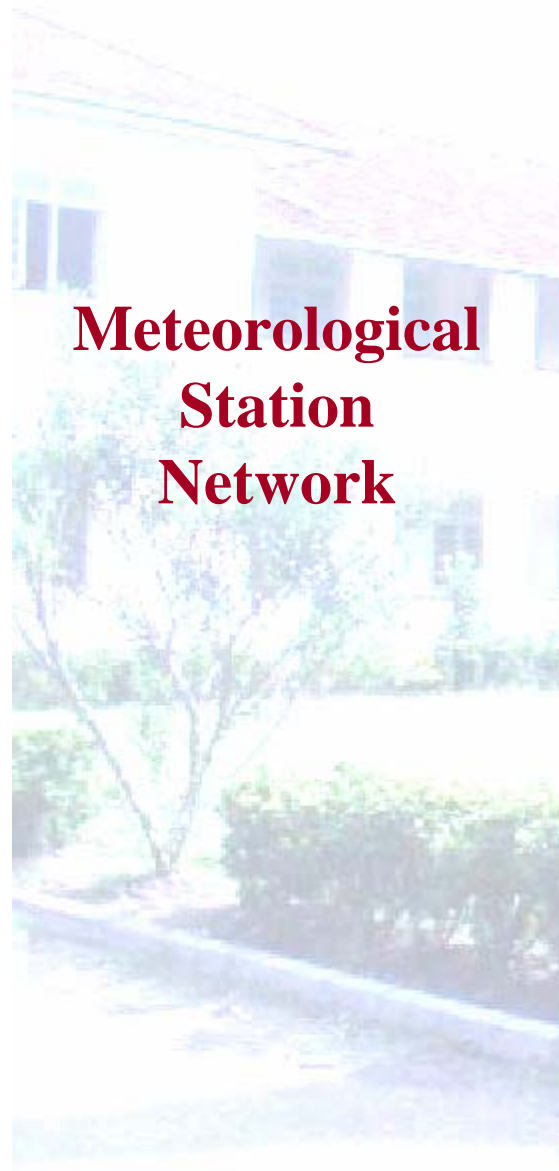
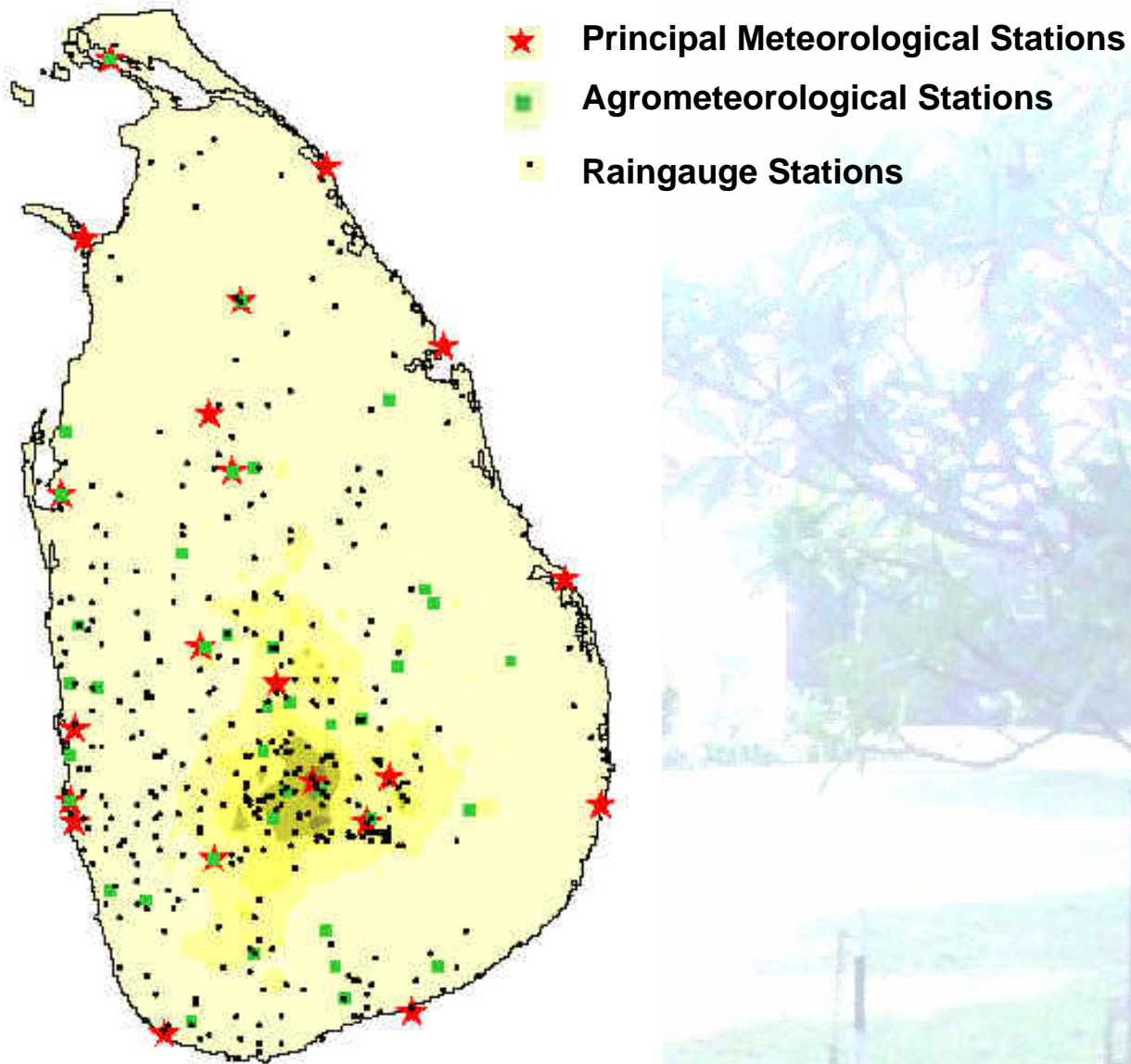
P.M. Jayatilaka Banda

Department of Meteorology

Sri Lanka

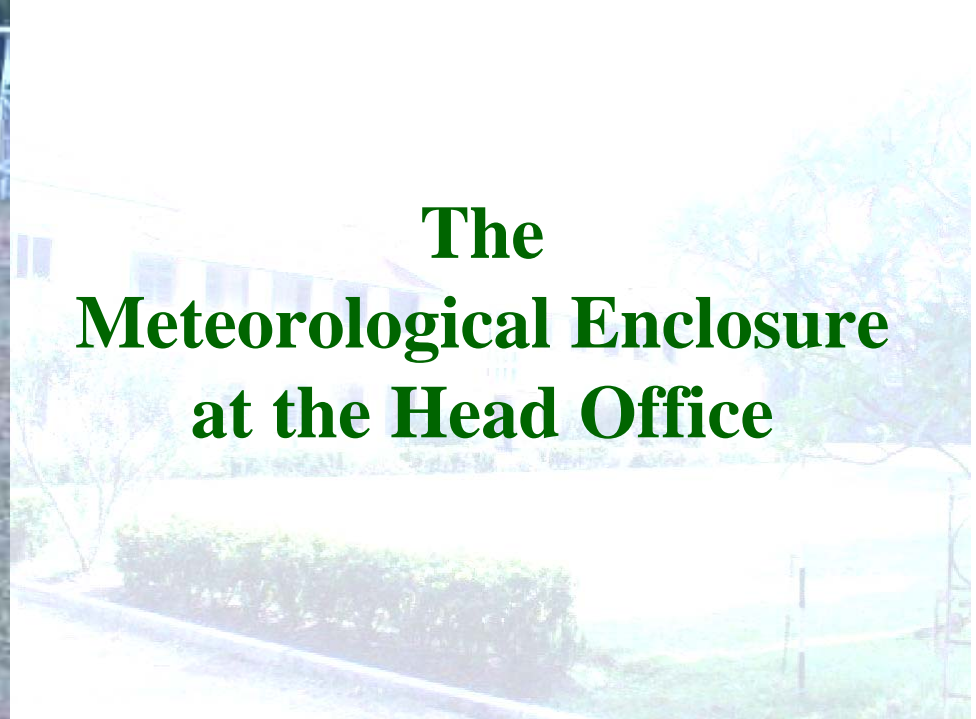


Meteorological Station Network

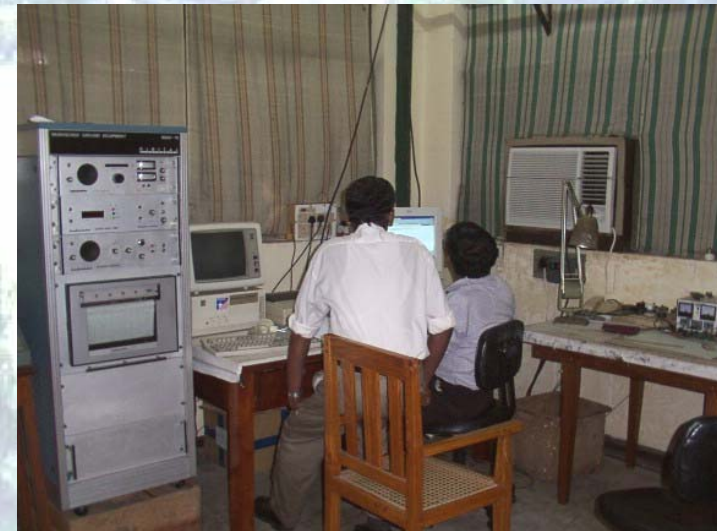




**The
Meteorological Enclosure
at the Head Office**



Upper Air Observations – Radar/Radiosonde

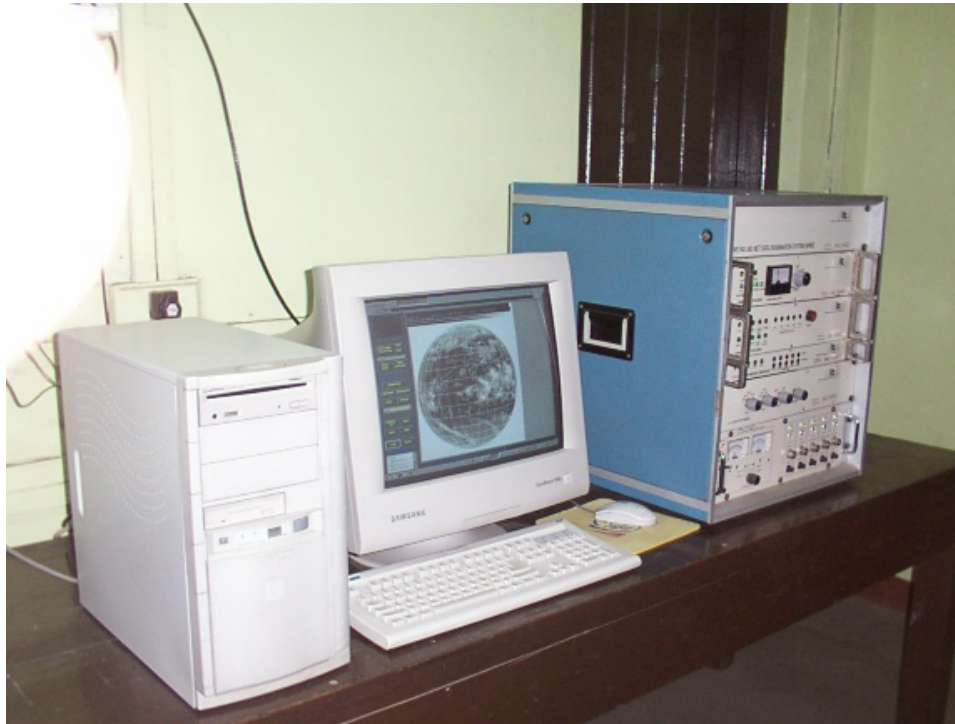


HRPT

Satellite Picture

**Receiving System for
polar orbiting NOAA
satellites**





**Receiving system to acquire
Satellite data from Indian
INSAT satellite**



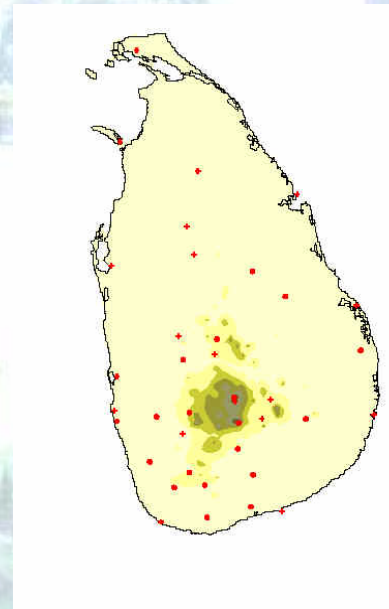
SADIS - 2G SYSTEM

**Received through the VCP program of
the World Meteorological Organization**

NEW DEVELOPMENTS

**Setting up a
network of 35
AWS with a
on-line
monitoring
system by
JICA**

2007/2008



NEW DEVELOPMENTS

- **4 m US\$ has been allocated to procure a Doppler Radar by the Sri Lanka Government**
- **Wind profiler is planed to procure during the year 2007**
- **Up grading of GTS to 64 kbps by US AID**

POSSIBLE CONTRIBUTION TO MAHASRI

- **Synoptic data at selected stations at WMO standard hours**
- **Upper Air observations**
 - **Radar wind**
 - **Radio Sond Observations**
 - » **Temperature**
 - » **Pressure**
 - » **Humidity**

FUTURE NEEDS AND PROPOSALS

- **Real time rainfall monitoring system**
- **Capacity development in NWP in particular to predict heavy rainfall events**
- **Satellite Imagery receiving system**
- **Early warning dissemination system in vulnerable areas**



THANK YOU