1. INTRODUCTION

The GIMPAP provides a means to assure the viability of GOES-I/M day-1 products, to improve products and develop advanced products, and to ensure integration of the results into NESDIS and NWS operations. The efforts associated with this GIMPAP project include four main goals:

1. **Continue SAL studies using in situ and GOES data**
2. **Provide processed GPS dropsonde profiles from 2005 to CIRA and other interested GIMPAP participants for tropical cyclone studies**
3. **Coordinate with CIMSS visiting scientist Peng Zhang on SAL detection**
4. **Coordinate with CIRA on RAMSDIS support**

2. ACCOMPLISHMENTS

*Continue SAL studies using in situ and GOES data*

The PI has completed post processing the GPS dropsondes from the 2005 NOAA HRD G-IV Saharan Air Layer Experiments (SALEX). This dataset includes 95 GPS dropsondes launched during four G-IV missions and will be used to validate collocated temperature and moisture retrievals from the GOES-12 Sounder and possibly the AIRS instrument on NASA’s Aqua satellite. The data will also be provided to other interested GIMPAP participants.

*Provide processed GPS dropsonde profiles from 2005 to CIRA and other interested GIMPAP participants for tropical cyclone studies*

The PI has provided GIMPAP participants with quality controlled GPS dropsondes from 2005 NOAA aircraft missions in and around Hurricanes Katrina (10 missions/215 GPS dropsondes) and Wilma (11 missions/248 GPS dropsondes). This dataset includes GPS dropsondes launched from NOAA’s WP-3D Orion and G-IV aircraft.

*Coordinate with CIMSS visiting scientist Peng Zhang on SAL detection*

This portion of the project has not yet commenced.

*Coordinate with CIRA on RAMSDIS support*

This portion of the project has not yet commenced.