

# Regional and Mesoscale Meteorology Branch (RAMMB) – Fort Collins CO

Currently 4 positions

**Don Hillger:** Acting Branch Chief, new satellite checkout (Current GOES and JPSS), JPSS Imagery Team, GOES-R ABI green band/true-color imagery

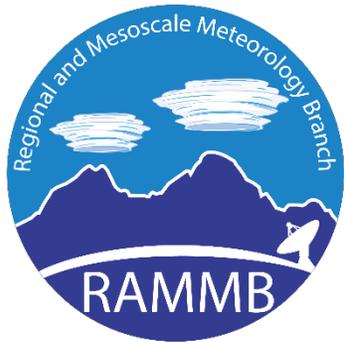
**Dan Lindsey:** Severe weather, GOES-14 rapid-scan imagery, synthetic GOES-R imagery, Proving Ground

**John Knaff:** Tropical Cyclone (TC) product development, Proving Ground, WMO and other international coordination

**Deb Molenaar:** IT infrastructure, transition products to AWIPS and AWIPS-II, Proving Ground, ITAC, Property Management



**Don, Dan, John & Deb  
(in front of CIRA antenna farm)**



## RAMMB

- 4 Feds
- 21 “within”  
RAMMB

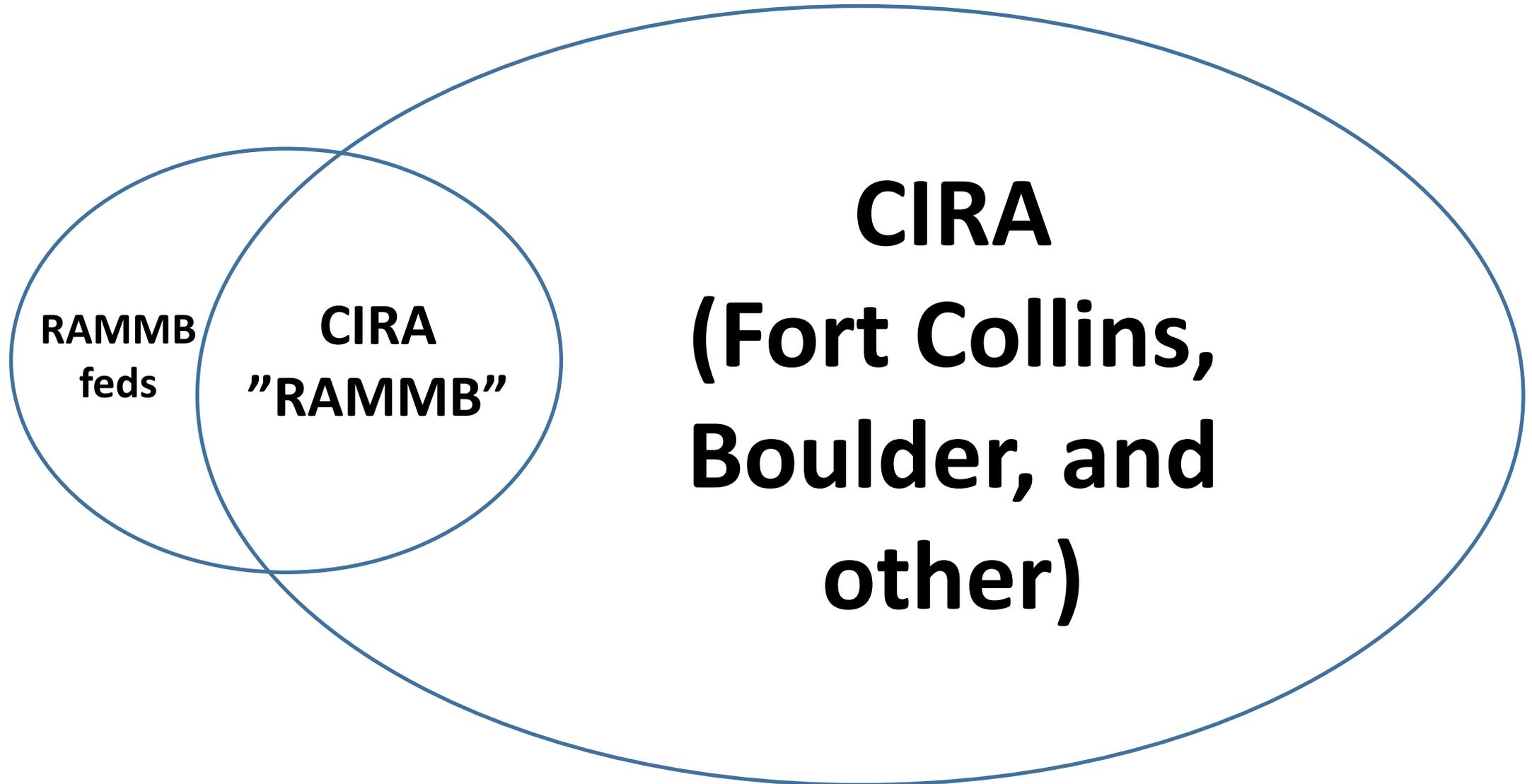
# RAMMB/CIRA

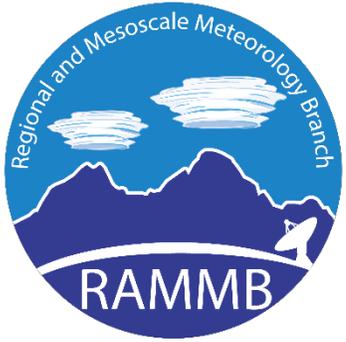


## CIRA ~2010

- total of 162  
employees
- 80 at Fort  
Collins  
campus

# RAMMB/CIRA Venn diagram





# RAMM Branch Research Focus



- Emphasis on **satellite applications** to mesoscale weather events
  - Tropical Cyclones
  - Non-tropical:
    - severe storms
    - mesoscale aspects of winter storms
    - hazard detection, including fog, dust, volcanic ash, fires and smoke
  - IT support/infrastructure
- **Satellite checkout**
  - Past: GOES-10 thru 15, S-NPP
  - Future: GOES-R, JPSS-1
- Satellite **training** (VISIT, ShyMet, Vlab)
- RAMMB Chief history:
  - Jim Purdom (1980-1997)
  - Mark DeMaria (1999-2013)
  - Don Hillger (Dec 2013 – present) (Acting Chief)

# RAMMB website

# RAMMB

## Regional and Mesoscale Meteorology Branch

[Organization Chart](#) | [NOAA](#) | [NESDIS](#) | [Cooperative Research Program](#)

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### Experimental Products

[Google Earth](#)  
[RAMSDIS Online](#)  
[Proving Ground](#)  
[TC Real-Time](#)  
[TC Genesis](#)  
[Downslope](#)  
[Winds](#)

### Training/Outreach

[VISIT](#)  
[SHyMet](#)  
[International](#)  
[Case Studies](#)

### Blogs

[VISIT Met. Blog](#)  
[GOES-R Proving Ground](#)  
[Suomi NPP](#)  
[VIIRS in the Arctic](#)

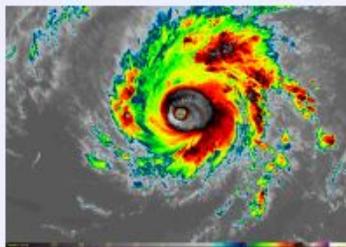
### Resources

[Personnel](#)  
[Publications](#)  
[Quarterly Report](#)  
[Acronyms](#)

The Regional and Mesoscale Meteorology Branch (RAMMB) of NOAA/NESDIS conducts research on the use of satellite data to improve analysis, forecasts and warnings for regional and mesoscale meteorological events. RAMMB is co-located with the [Cooperative Institute for Research in the Atmosphere \(CIARA\)](#) at Colorado State University in Fort Collins, CO.

### Current Highlights

[Himawari Real Time Imagery](#)



### Research Projects

[Tropical Cyclones](#)



[Severe Weather](#)



[Winter Weather](#)



[Hazard Detection](#)



[Satellite Climatologies](#)



[GOES-R Research & Proving Ground](#)



[Calibration/Validation and Visualization](#)



<http://rammb.cira.colostate.edu/>

# CIRA / Atmospheric Science complex, foothills campus

