AMSR-E Rainfall Validation - Eureka, CA

Primary Objective:

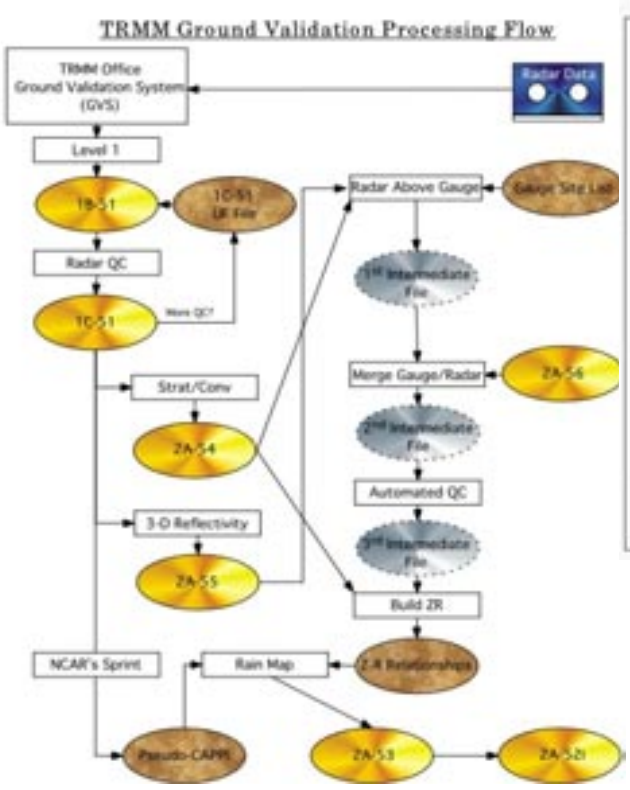
•Utilize NWS NEXRAD to develop rain rate, type, vertical distribution, freezing level height products to better understand mid-latitude land and ocean winter season precipitation characteristics.

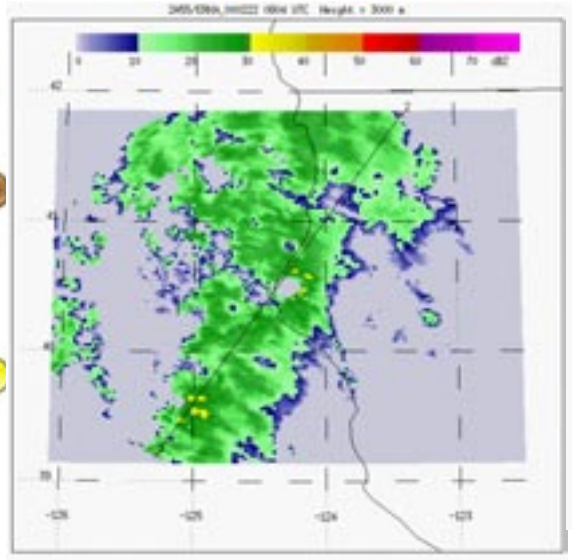
Status:

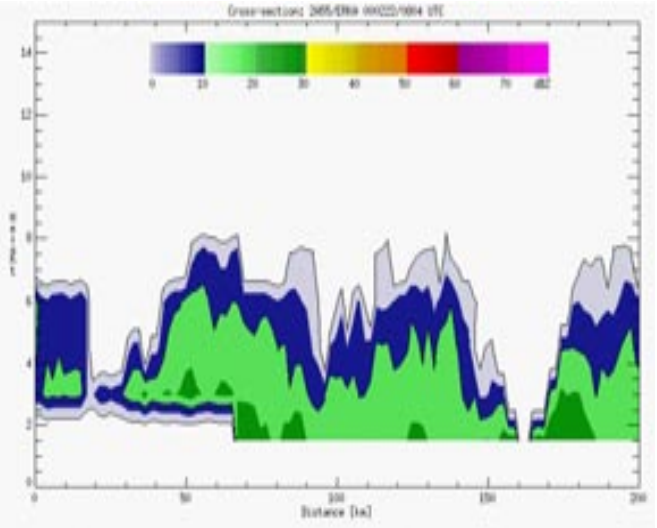
•Preliminary products generated for winter 2000 and 2001 seasons

•Gauge clusters in place to aid in testing Z-R relationships

•Automated, near-real time access available for 2002-03 wet season







Gauge Clusters Installed for NEXRAD product QC

AMSR-E Rainfall Validation - Iowa City, IA

Primary Objectives:

- Install & maintain dense network (25 gauges @5 km spacing) of high quality gauges to:
  - Assess rainfall spatial & temporal variability at scales comparable to a satellite FOV.
  - Obtain ground rainfall estimates with low sampling error & develop accurate error models

Status:

- Gauges installed in summer of 2002; data collection began in August 2002
- Relational database with web access under development and undergoing initial test phase