EMC Personnel working on Mesoscale analysis/modeling systems (i.e., the former Mesoscale Modeling Branch (as of 1 May 2017))

DiMego, Geoff – Senior Scientifuc Advisor and Branch Chief Emeritus

Ator, Jeff: observation processing (data tanks)

Black, Tom : modeling, nesting, modeling infrastructure, NEMS/FV3

Du, Jun : SREF system manager, regional ensembles, bias correction, ensemble products

Janjic, Zavisa : NMM & NMMB (regional and global) model developer, dynamics & physics

Keyser, Dennis : observation processing, monitoring, quality control etc.

Lilly, Steven : Verification

Lin, Ying : precipitation – assimilation, analysis (RTMA/URMA), verification

Manikin, Geoff : Model Evaluation Group, RAP/HRRR support, severe weather, diagnostician

McQueen, Jeff : air quality (AQFS), dispersion, aerosol modeling,

Parrish, Dave : Data assimilation – algorithms, infrastructure, constraints

Pyle, Matt : HiResWindow/HREF system manager, hi-res & community modeling, NEMS

Rogers, Eric : NAM system manager, real-time & retrospective parallels, verification/ diagnostician, web page maintenance

Wu, Wan-Shu : Data assimilation – algorithms, obs background errors, RTMA/URMA

Visiting Scientists

Shao, Hui : data assimilation, representative from NCAR testbed assisting with community support of GSI

Contractors

Aligo, Eric : Hi-res modeling, microphysics, and diagnostic methods

Blake, Ben : Convection-permitting ensemble development, RAP/HRRR/ARW support

Carley, Jacob : Data assimilation, RTMA/URMA system manager

Colon, Edward : modeling infrastructure, NEMS, digital filter, NMMB launcher

Ferrier, Brad : microphysics and model physics testing team lead

Gayno, George : terrain & fixed external fields (e.g. sst, snow, sea ice, etc.)

Gibbs, Annette : DNG/Downscaling

Guastini, Corey : RAP/HRRR support, Model Evaluation Group

Hill. Chris : Observation processing (aircraft obs focus)

Huang, Ho-Chun : smoke modeling, air quality & aerosol data assimilation

Huang, Jianping : AQFS/HYSPLIT system manager, air quality modeling

Jovic, Dusan : modeling, nesting & ensemble infrastructures, NEMS/FV3

Lei, Ting : Convective-scale data assimilation

Levine, Steven : RTMA/URMA development, observation processing/metadata

Lippi, Donald: Convective-scale data assimilation

Lin, Hsin-Mu : Model radiation and aerosols

Ling, Yangrong : obs processing, uselist generation

Liu, Shun : Doppler radar processing & qc, convective-scale radar assimilation

Lou, Guang Ping : verification (storm track), post-processing, tropical cyclone relocation

Mao, Yali : aviation products, translate algorithms from C++ to Fortran

Melchior, Shelley : obs processing and quality control

Pondeca, Manuel : RTMA /URMA developer, data assimilation - anisotropic covariance

Purser, Jim : data assimilation – recursive filters, model grid designer

Rancic, Miodrag : Advanced numerical methods

Shafran, Perry : verification (fcst-vs-obs), MET

Vasic, Ratko : modeling infrastructure, NEMS/FV3, physics interoperability

Weiss, Mitch : observation processing (data tanks)

Whiting, Jeff : obs processing including marine. Climate, and RTMA/URMA

Wu, Yihua : Land-surface modeling

Yang, Runhua : Rapid Update RTMA, RTMA/URMA development

Zhang, Xiaoyan : data assimilation – cloudy radiances

Zhou, Binbin : ensemble products, aviation products, verification (fcst-vs-anal), MySQL

Zhu, Yanqiu : Satellite data assimilation infrastructure, satellite and aircraft bias corrections