

Expected Products:

Operational

Satellite Imagery

GOES – Imagery from all channels, Hi-Res vis sectors for each region

GOES-E and GOES-W, Rapid Scan when available (Can we call it?)

GOES Derived Products

Cloud Top Temp, Height and Ice Water Content

GOES Digital Archive – McIDAS AREA file format

COSMIC Soundings

TRMM LIS lightning

Calipso CALIOP lidar

MOPITT CO (NCAR)

IASI CO (NCAR)

AIRS O3, water vap and trop pressure (NOAA)

OMI NO2, GOME-2 NO2 (NOAA/NESDIS, Ken Pickering)

MODIS AOD and Fire counts

Overshooting Top product (Minnis' group)



Expected Products:

Operational (cont.)

Surface Meteorology

Hourly METARS

OK Mesonet, other mesonets

LMA Lightning data OK, CO, AL, others?

USPLN Lightning

NLDN Lightning

ARM SGP – solar rad, wind profiles, aerosols, cloud prop, sfc winds, sondes

Precip – Daily, 6hrly, hourly

Upper-air

Soundings, all sites Utah – Georgia, ARM and other special sites

Constant Pressure analyses – 925,850,700,500,300,250,200 hPa

NPN profiler time-height sections



Expected Products:

Operational (cont.)

Radar

NEXRAD - GJX, CYS, FTG, PUX, GLD, DDC, LNX, UEX, ICT, VNX, INX, TLX, SPX, FDR, AMA, LBB, DYX, FWS, LZK, TWX, SGF, EAX, OHX, PAH, NOA, OHX, HTX, FFC, BMX, GWX, MXX

NOR, NOV, NLL, NML, NHL, NCR, NET, NST (Polarimetric fields? ZDR, RHOHV, KDP, all variables)

NSSL Q2 Regional, national composites

Vertical x-sections? (GR level3? GR2 Analyst?)

Special

Aviation - Turbulence



Expected Products:

Model

Operational – RUC, GFS, NAM, WRF NMM, WRF ARW, HRRR
(0-48 hr fcsts, standard levels)

Research – WRF 3km, NSSL 4km, CAPSARW 4km? CAPSNMM 4km? CAPSENS 4km?
WRF TTU

Chemical – MOZART, FLEXPART, RAQMS

Fields: Vertical x-sections (res and chem), trop ht, eq level, cloud top ht, cloud base ht
helicity

Reports

(F) Daily Overview Forecast report

(F) Regional Outlooks



Expected Products:

Research

Aircraft sensors (track, forward camera, data plots)

Radars – Refl, Vel, Precip rate, PID (ZDR, PHIDP, LDRH, LDRV) PPI and RHI

CHILL & Pawnee

KOUN, PAR, SMART-R, OU Prime? CASA?

ARMOR MAX, Redstone

Real-time locations

Aircraft

Mobile Radars

Mobile sounding systems

MISS Soundings

NSSL Mobile Soundings

