

NHC SATELLITE IMAGERY DATA FEED

SATELLITE	FORMAT	FREQUENCY
GOES-E	McIDAS	Full disk: every 3 hours N. hemi: every 30 min. Conus: every 15 min. RSO: every 7 min. SRSO: every 1 min.
GOES-W	McIDAS	Same as GOES-E
METEOSAT-8	McIDAS	IR: every 15-30 min. WV: 30 min. VIS: every 15 min. During daytime

NHC OBSERVATIONS DATA FEED

FOS data of METAR, radiosonde, synoptic, ship, buoy, C-man,

DATA TYPE	FORMAT	COMMENTS
FOS	GEMPAK(N-AWIPS) NetCDF(AWIPS)	metar, radiosonde, synoptic, ship, buoys, C-man
Aircraft	GEMPAK	recon, vortex, GPS dropsondes
Satellite high Density winds	GEMPAK	Hourly
Satellite WSAT ASCAT winds	binary and GEMPAK	Hourly

MODEL DATA

MODEL	FORMAT	FORECAST PERIOD	FIELDS
GFS	GRID (GEMPAK) 3 HR for first 24 hours	f00-f384 for 00Z,06Z,12Z and 18Z runs	wind,temp,relh, omeg,avor,hght, cape,ins,lift,pmsl, pr06,p06m,wxtr06 wxtz06,wxtp06, wxts06,lwrd06, lwru06,swru06, swrd06,ghfx06, ice,albd06,vwsh, swem,fxsh06,fxlh06
GFS	GRIB	f00-f126	same as above
GEFS	GRID	f00-f38 every 6 hours for 00Z, 06Z,12Z,18Z	surface-wind, temp, pmsl,p12m,tmxk12, tmnk12 1000mb-hght 850mb-temp,wind 700mb-relh 500mb-hght,wind 250mb-wind
NAM	GRID	f00-f84 every 6 hours for 00Z,06Z, 12Z,18Z	temp,spfh,wind, omeg,lift,cape, cins,relh,pwtr, frzl,mcnv,hlcy, avor,hght,vwsh
GFDL	GRID	f00-f126 every 6 hours for 00Z,06Z, 12Z,18Z	Basic Parameters
GFDN (nested)	GRID	f00-f126 every 6 hours for 00Z,06Z, 12Z,18Z	Basic Parameters

NAVGEM	GRIB/GRID	f00-f144 every 12 hours for 00Z,12Z	wind,htsgw,wvper,wvdir,perpw,dirpw,persw,dirsw
CMC	GRIB	f00-f240 every 12 hours	Basic Parameters
HWRP	GRID	f00-f126 every 6 hours for 00Z,06Z,12Z,18Z	Basic Parameters
UKMET	GRID/GRIB	f00-f120 every 6 hours for 00Z,06Z,12Z,18Z	Basic Parameters
ECMWF	GRID/GRIB	f00-f120 every 6 hours for 00Z,06Z,12Z,18Z	Basic Parameters

JOINT HURRICANE TESTBED EQUIPMENT SPECIFICATIONS

JHT Server -

DELL 6350 Power edge Server
 Operating System: RHE AS 4.0
 24x7 DELL System Support

2 – 3.60GHz Xeon Processors
 SMP KereneL

400 GB Ultra SCSI RAID Storage
 4 GB Memory

Dual Port Ultra 2 SCSI Adapter
 PCI FWD SCSI 2 Card
 1000 Base SXPCILan Adapter (GIGE Card) CDROM

JHTWork Stations

Two Linux workstations for Test Bed
 Computer: Hewlett-Packard Workstation XW4100
 Operating System: Red Hat Linux Enterprise 6.0.