

TPC 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

TPC OBSERVATIONS DATA FEED

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

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

ATCF MODEL TRACK DATA

MODEL DATA

MODEL	FORMAT	FORECAST PERIOD	FIELDS
GFS	GRID (GEMPAK) 6 HR Incremental	f00-f384 for 00Z,06Z,12Z and 18Z runs	wind, temp, relh, omeg,avor,hght, cape,cins,lift,pmsl, pr06,p06m,wxtr06, wxtz06,wxtp06, wxts06,lwr06, lwru06,swru06, swrd06,ghfx06, ice,albd06,vwsh, swem,fxsh06,fxlh06
GFS	GRIB	f00-f126	same as above
GEFS	GRID	f00-f384 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
NOGAPS	GRIB/GRID	f00-f144 every 12 hours for 00Z,12Z	wind,temp,hght,avoromeg,cxxm,pxxm, pmsl

NWW3 (multi-grid wave watch)	GRID	f00-f126 every 3 hours for 00Z,12Z	wind,htsgw,wvper, wvdir,perpw,dirpw. persw,dirsw
WAVE	GRID	f00-f96 every 6 hrs thru f48 every 12 hrs through f96 for 00Z & 12Z	same as NWW3
ECMWF	GRID	f00-f148 every 24 hours for 00Z	wind,temp,hght,avoromeg,cxxm,pxxm, pmsl
HWRP	GRID	f00-f96 every 6 hrs, for every 6 hours 00Z,06Z, 12Z,18Z	rh,vort,temp,mslp,wind
GFDN (gfd_navy)	GRIB	f00-f126 every 12 hours for 12Z & 18Z	same as GFD

JOINT HURRICANE TESTBED EQUIPMENT SPECIFICATIONS

JHT Server -

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

2 – 3.60GHz Xeon Processors
SMP Kernel

400 GB Ultra SCSI RAID Storage
4 GB Memory

Dual Port Ultra 2 SCSI Adapter
PCI FWD SCSI 2 Card
1000BaseSX PCI Lan Adapter (GIGE Card)
CDROM

JHT Workstations -

Two Linux workstations for Test Bed
Computer: Hewlett-Packard Workstation XW4100
Operating System: RedHat Linux Enterprise 4.0.