

Brandon Radar, KDGX
Changes Required In AWIPS

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February 24, 2003

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The Brandon Radar, KDGX Changes Required In AWIPS

Introduction

The Brandon, MS radar will be installed and operational by the end of January 2003. This document describes the changes which are required by AWIPS in order to database and display products from the Brandon radar.

The radar ICAO for the Brandon radar will be KDGX. AWIPS Site Jackson, MS (AWIPS site JAN) will have the ORPG for the KDGX radar. JAN will be the NWS office which transmits the KDGX radar data to the NCF. Here is some additional information about the KDGX radar:

Radar Site: Brandon, MS

Radar ICAO: KDGX

RPG ID: 855

Pup ID:

Geographic Area (Second I in WMO header): 4

Transmitting WFO (CCCC in the WMO header): KJAN

Site Elevation: 494' above MSL

Latitude: 32deg.16' 47.8" North

Longitude: 89deg 59' 3.6" West

Scheduled operational date of the radar is between 02/13/03 and 02/28/03.

Testing of the Brandon radar will begin on or about 02/03/03.

The AWIPS configuration files for the KDGX radar are organized into 3 categories:

1 - Those files which should be updated at all AWIPS sites.

2 - Those files which should be updated at all AWIPS sites which have dial or SBN access to the KDGX radar.

3 - Those files which only need to be updated at WFO JAN.

The AWIPS configuration files which should be updated at all sites in order to indicate the new KDGX radar are:

/awips/fxa/data/wmoSiteInfo.txt
/data/fxa/nationalData/fsl-w88d.dbf
/data/fxa/nationalData/fsl-w88d.shp.Z
/data/fxa/nationalData/fsl-w88d.shx
/awips/fxa/data/localizationDataSets/LLL/radarInfoMaster.txt (created by localization)
/data/fxa/nationalData/88D.goodness (created by localization)
/awips/fxa/data/localizationDataSets/LLL/88D.lpi (created by localization)
/data/fxa/nationalData/88Dvb.goodness (newly delivered in OB1)
/awips/fxa/data/localizationDataSets/LLL/88Dvb.lpi (created by OB1 localization)

where LLL is the local AWIPS site identifier.

The additional AWIPS configuration files which should be updated at all AWIPS sites which have either dial access to the KDGX radar or AWIPS sites which will receive the KDGX radar products from the SBN are:

/data/fxa/customFiles/LLL-dialRadars.txt
(or /awips/fxa/data/localization/LLL/LLL-dialRadars.txt)
/awips/fxa/data/localizationDataSets/LLL/dialRadars.txt (created by localization)
/data/fxa/customFiles/LLL-radarsInUse.txt
(or /awips/fxa/data/localization/LLL/LLL-radarsInUse.txt)
/awips/fxa/data/localizationDataSets/LLL/radarsInUse.txt (created by localization)
/data/fxa/customFiles/LLL-radarsOnMenu.txt
(or /awips/fxa/data/localization/LLL/LLL-radarsOnMenu.txt)
/awips/fxa/data/localizationDataSets/LLL/radarsOnMenu.txt (created by localization)
/awips/fxa/bin/fxa-radar.purge (created by localization)
/data/fxa/radar/kdgx directory structure (created by localization)
/awips/data/acq_wmo_parms.sbn.radar (created by localization)
/awips/fxa/data/localizationDataSets/LLL/radarDataKeys.txt (created by localization)
/awips/fxa/data/localizationDataSets/LLL/radarDepictKeys.txt (created by localization)
/awips/fxa/data/localizationDataSets/LLL/afosMasterPIL.CCC (created by localization)

where LLL is the local AWIPS site identifier.

The LLL-dialRadars.txt, LLL-radarsInUse.txt and LLL-radarsOnMenu.txt pre-localization files can be located in either the /data/fxa/customFiles directory or the /awips/fxa/data/localization/LLL directory. The /awips/fxa/data/localization/LLL directory is unique to each server and workstation. Thus changes made to copies of these files located in the

/awips/fxa/data/localization/LLL directory must be updated on each server and workstation. The /data/fxa/customFile directory is a common directory which is available to all servers and workstations.

These instructions recommend that you copy the most up-to-date version of the LLL-dialRadars.txt, LLL-radarsInUse.txt and LLL-radarsOnMenu.txt files to the /data/fxa/customFiles directory and update these 3 files in the /data/fxa/customFiles directory. The /awips/fxa/data/localization/LLL directory should be checked because this directory may contain the most up-to-date version of these 3 files. Placing these 3 files in the /data/fxa/customFiles directory ensures that the updated files are readily available to all servers and workstations without having to be explicitly copy the files to each server and workstation.

The additional AWIPS configuration files which only need to be updated at at JAN are:

/awips/fxa/data/orpgInfo.txt	(AWIPS Site JAN only)
/data/fxa/customFiles/JAN-portInfo.txt	
(or /awips/fxa/data/localization/JAN/JAN-portInfo.txt)	
/awips/fxa/data/localizationDataSets/JAN/portInfo.txt	(created by localization - JAN only)
/data/fxa/customFiles/JAN-pupId.txt	
(or /awips/fxa/data/localization/JAN/JAN-pupId.txt)	
/awips/fxa/data/localizationDataSets/JAN/pupId.txt	(created by localization - JAN only)
/data/fxa/radar/lists/KDGX.clear-air	(created by localization - JAN only)
/data/fxa/radar/lists/KDGX.maint	(created by localization - JAN only)
/data/fxa/radar/list/KDGX.storm	(created by localization - JAN only)
/awips/fxa/bin/fxa-data.purge	(created by localization - JAN only)
/awips/fxa/data/radar.cfg	

The JAN-portInfo.txt and JAN-pupId.txt pre-localization files can be located in either the /data/fxa/customFiles directory or the /awips/fxa/data/localization/JAN directory. The /awips/fxa/data/localization/JAN directory is unique to each server and workstation. Thus changes made to copies of these files located in the /awips/fxa/data/localization/JAN directory must be updated on each server and workstation. The /data/fxa/customFile directory is a common directory which is available to all servers and workstations.

These instructions recommend that you copy the most up-to-date version of the JAN-portInfo.txt and JAN-pupId.txt files to the /data/fxa/customFiles directory and update these 2 files in the /data/fxa/customFiles directory. The /awips/fxa/data/localization/JAN directory should be checked because this directory may contain the most up-to-date version of these 2 files. Placing these 2 files in the /data/fxa/customFiles directory ensures that the updated files are readily available to all servers and workstations without having to be explicitly copy the files to each server and workstation.

Instructions for all sites.

Note1: If your AWIPS system will have dial access to the KDGX radar, skip this section and jump to the next section.

....1. Log into the **ds1** server as the **fxa** user.

....2. Download the updated versions of the fsl-w88d.dbf, fsl-w88d.shp.Z, fsl-w88d.shx and wmoSiteInfo.txt files from NOAA1 by entering the commands (The /data/fxa/nationalData/fsl-w88d.shp file may be saved as a compressed file where the file name is /data/fxa/nationalData/fsl-w88d.shp.Z) :

```
cd /data/fxa/nationalData
mv fsl-w88d.dbf fsl-w88d.dbf.KJANradar
mv fsl-w88d.shp fsl-w88d.shp.KJANradar
mv fsl-w88d.shx fsl-w88d.shx.KJANradar
mv /awips/fxa/data/wmoSiteInfo.txt /awips/fxa/data/wmoSiteInfo.txt.KJANradar
```

```
ftp 165.92.25.15 (Log in as ftp with your site ID as a password)
binary
cd /pub/maps
get w824fe03.dbf
get w824fe03.shp.Z
get w824fe03.shx
cd /pub/ndm
lcd /awips/fxa/data
get wmoSiteInfo.txt
bye
```

```
chown fxa:fxalpha w824fe03.*
chmod 664 w824fe03.*
mv w824fe03.dbf fsl-w88d.dbf
mv w824fe03.shp.Z fsl-w88d.shp.Z
mv w824fe03.shx fsl-w88d.shx
```

```
cd /awips/fxa/data
chown fxa:fxalpha wmoSiteInfo.txt
chmod 664 wmoSiteInfo.txt
```

....3. Run a “./mainScript.csh -radar” localization by entering the following commands:

```
cd /awips/fxa/data/localization/scripts  
./mainScript.csh -radar
```

....4. Copy the updated radar configuration files from the
/awips/fxa/data/localizationDataSets/LLL directory on the ds1 server to the remaining
servers and workstations.

If you have not run a localization on **ds1** during the previous 2 days, the following commands will copy the files created by the localization from ds1 to the remaining servers and workstations. Run the following commands as the **root** user on **ds1** substituting the word **LLL** with your localized AWIPS ID (Note that in the find command, the **-mtime -1** is the number one and not the letter l):

```
for i in ds2 as1 as2 $WORKSTATIONS lx1 lx2  
do  
echo "Updating $i"  
find /awips/fxa/data/localizationDataSets/LLL -mtime -1 -type f -print | xargs -i rcp -p {} $i:}  
remsh $i "chown -R fxa:fxalpha /awips/fxa/data/localizationDataSets/LLL"  
remsh $i "chmod -R 775 /awips/fxa/data/localizationDataSets/LLL"  
rcp -p /awips/fxa/data/wmoSiteInfo.txt $i:/awips/fxa/data  
remsh $i "chown fxa:fxalpha /awips/fxa/data/wmoSiteInfo.txt"  
remsh $i "chmod 664 /awips/fxa/data/wmoSiteInfo.txt"  
done
```

....5. Stop and restart D2D on all of the workstations.

This completes the instructions for all sites.

Instructions for all AWIPS sites which have either dial access to the KDGX radar or AWIPS sites which will receive the KDGX radar products from the SBN.

Note: WFO JAN can skip this section and proceed to the section which applies directly to JAN.

The following 3 files will be provided by the WSR-88D Hotline: dialRadars.txt, radarsInUse.txt and radarsOnMenu.txt.

....1. Log into the **ds1** server as the **fxa** user.

....2. Download the updated versions of the fsl-w88d.dbf, fsl-w88d.shp.Z, fsl-w88d.shx and wmoSiteInfo.txt files from NOAA1 by entering the commands (The /data/fxa/nationalData/fsl-w88d.shp file may be saved as a compressed file where the file name is /data/fxa/nationalData/fsl-w88d.shp.Z) :

```
cd /data/fxa/nationalData  
mv fsl-w88d.dbf fsl-w88d.dbf.KJANradar  
mv fsl-w88d.shp fsl-w88d.shp.KJANradar  
mv fsl-w88d.shx fsl-w88d.shx.KJANradar  
mv /awips/fxa/data/wmoSiteInfo.txt /awips/fxa/data/wmoSiteInfo.txt.KJANradar
```

```
ftp 165.92.25.15 (Log in as ftp with your site ID as a password)
```

```
binary  
cd /pub/maps  
get w824fe03.dbf  
get w824fe03.shp.Z  
get w824fe03.shx  
cd /pub/ndm  
lcd /awips/fxa/data  
get wmoSiteInfo.txt  
bye
```

```
chown fxa:fxalpha w824fe03.*  
chmod 664 w824fe03.*  
mv w824fe03.dbf fsl-w88d.dbf  
mv w824fe03.shp.Z fsl-w88d.shp.Z  
mv w824fe03.shx fsl-w88d.shx
```

```
cd /awips/fxa/data  
chown fxa:fxalpha wmoSiteInfo.txt  
chmod 664 wmoSiteInfo.txt
```

-3. Update the LLL-dialRadars.txt file in the /data/fxa/customFiles directory (or the /awips/fxa/data/localization/LLL directory). In the LLL-dialRadars.txt file, remove the entry for the KJAN radar and add the entry for the KDGX radar. See page 27.

-4. Update the LLL-radarsInUse.txt file in the /data/fxa/customFiles directory (or the /awips/fxa/data/localization/LLL directory). In the LLL-radarsInUse.txt file, remove the entry for the KJAN radar and add the entry for the KDGX radar. See page 28.

-5. Update the LLL-radarsOnMenu.txt file in the /data/fxa/customFiles directory (or the /awips/fxa/data/localization/LLL directory). In the LLL-radarsOnMenu.txt file, remove the entry for the KJAN radar and add the entry for the KDGX radar. See page 29.

-6. Run a “./mainScript.csh -radar -dirs -auxFiles” localization by entering the following commands:

```
cd /awips/fxa/data/localization/scripts  
./mainScript.csh -radar -dirs -auxFiles
```

-7. Copy the updated radar configuration files from the
/awips/fxa/data/localizationDataSets/LLL directory on the ds1 server to the remaining
servers and workstations.

If you have not run a localization on **ds1** during the previous 2 days, the following commands will copy the files created by the localization from ds1 to the remaining servers and workstations. Run the following commands as the **root** user on **ds1** substituting the word **LLL** with your localized AWIPS ID (Note that in the find command, the **-mtime -1** is the number one and not the letter l):

```
for i in ds2 as1 as2 $WORKSTATIONS lx1 lx2
do
echo "Updating $i"
find /awips/fxa/data/localizationDataSets/LLL -mtime -1 -type f -print | xargs -i rcp -p {} $i:{}
remsh $i "chown -R fxa:fxalpha /awips/fxa/data/localizationDataSets/LLL"
remsh $i "chmod -R 775 /awips/fxa/data/localizationDataSets/LLL"
rcp -p /awips/fxa/data/wmoSiteInfo.txt $i:/awips/fxa/data
remsh $i "chown fxa:fxalpha /awips/fxa/data/wmoSiteInfo.txt"
remsh $i "chmod 664 /awips/fxa/data/wmoSiteInfo.txt"
done
```

-8. Stop and restart the radar processes on the ds1 server by entering the 2 commands as
the **fxa** user on **ds1**:

```
stopIngest.ds1
startIngest.ds1
```

-9. Stop and restart the radar processes on the as1 server by entering the 2 commands as
the **fxa** user on **as1**:

```
stopIngest.as1
startIngest.as1
```

-10. Stop and restart D2D on all of the workstations.

-11. Copy the updated fxa-radar.purge script from ds1 to ds2 by entering the commands as the **root** user on **ds1**:

```
rcp -p /awips/fxa/bin/fxa-radar.purge ds2:/awips/fxa/bin/fxa-radar.purge  
remsh ds2 "chown fxa:fxalpha /awips/fxa/bin/fxa-radar.purge"  
remsh ds2 "chmod 775 /awips/fxa/bin/fxa-radar.purge"
```

-12. Update the acq_wmo_parms.sbn.radar file on cpsbn1 and cpsbn2 by issuing the following 2 commands as the **root** user on **ds1**:

```
rcp /awips/hprt/data/acq_wmo_parms.sbn.radar cpsbn1:/awips/data  
rcp /awips/hprt/data/acq_wmo_parms.sbn.radar cpsbn2:/awips/data
```

The updated acq_wmo_parms.sbn.radar file will have the WMO headers for the KDGX radar products which are transmitted by WFO JAN. Here are the new KDGX radar entries in the acq_wmo_parms.sbn.radar file:

```
CODE 17 INCLUDE SDUS5??KJAN*  
CODE 17 INCLUDE SDUS8??KJAN*  
CODE 17 INCLUDE SDUS4??KJAN*  
CODE 16 INCLUDE NXUS6??KJAN*
```

-13. Activate the updated acq_wmo_parms.sbn.radar file on cpsbn1 and cpsbn2. As the **root** user on **ds1**, enter the following commands to activate the updated acq_wmo_parms.sbn.radar file on cpsbn1:

```
rlogin cpsbn1  
acq_setupshm_wmo -p /awips/data/acq_wmo_parms.sbn.radar
```

When the prompt returns, type:

```
stop_cpsbn_all
```

Expect a lot of data to scroll across the screen after you enter the stop_cpsbn_all command.
When the prompt returns, type:

```
start_cpsbn_all
```

Expect a lot of data to scroll across the screen after you enter the start_cpsbn_all command.
When the prompt returns, type:

```
exit
```

The exit command should return you to the ds1 server as the root user. As the **root** user on **ds1**, enter the following commands to activate the updated acq_wmo_parms.sbn.radar file on cpsbn2:

```
rlogin cpsbn2  
acq_setupshm_wmo -p /awips/data/acq_wmo_parms.sbn.radar
```

When the prompt returns, type:

```
stop_cpsbn_all
```

Expect a lot of data to scroll across the screen after you enter the stop_cpsbn_all command.
When the prompt returns, type:

```
start_cpsbn_all
```

Expect a lot of data to scroll across the screen after you enter the start_cpsbn_all command.
When the prompt returns, type:

```
exit
```

This completes the instructions for all sites which either dial the KDGX radar or receive the KDGX products via the SBN.

Instructions for WFO JAN.

The instructions for WFO Jackson (AWIPS site JAN) get a little complicated because during the period while WFO JAN is testing the new KDGX radar, WFO JAN will sometimes be ingesting and databasing products from the non-commissioned KDGX radar while at other times WFO JAN will be ingesting and databasing products from the commissioned KJAN radar. The following procedure should work but we have never attempted to switch back and forth between 2 different radars.

....1. Log into the **ds1** server as the **fxa** user.

....2. Download the updated versions of the fsl-w88d.dbf, fsl-w88d.shp.Z, fsl-w88d.shx and wmoSiteInfo.txt files from NOAA1 by entering the commands (The /data/fxa/nationalData/fsl-w88d.shp file may be saved as a compressed file where the file name is /data/fxa/nationalData/fsl-w88d.shp.Z) :

```
cd /data/fxa/nationalData
mv fsl-w88d.dbf fsl-w88d.dbf.KJANradar
mv fsl-w88d.shp fsl-w88d.shp.KJANradar
mv fsl-w88d.shx fsl-w88d.shx.KJANradar
mv /awips/fxa/data/wmoSiteInfo.txt /awips/fxa/data/wmoSiteInfo.txt.KJANradar
```

ftp 165.92.25.15 (Log in as **ftp** with your site ID as a password)

```
binary
cd /pub/maps
get w824fe03.dbf
get w824fe03.shp.Z
get w824fe03.shx
cd /pub/ndm
lcd /awips/fxa/data
get wmoSiteInfo.txt
bye
```

```
chown fxa:fxalpha w824fe03.*
chmod 664 w824fe03.*
mv w824fe03.dbf fsl-w88d.dbf
mv w824fe03.shp.Z fsl-w88d.shp.Z
mv w824fe03.shx fsl-w88d.shx
```

```
cd /awips/fxa/data
chown fxa:fxalpha wmoSiteInfo.txt
chmod 664 wmoSiteInfo.txt
```

....3. Add the Free Text Message (FTM) product for the Brandon radar (KDGX) into the /awips/fxa/data/afos2awips.txt file. On the ds1-jan server, edit the /awips/fxa/data/afos2awips.txt file and add the following line:

JANFTMDGX NOUS64 KJAN

The **JANFTMDGX NOUS64 KJAN** entry in the afos2awips.txt file will ensure that if the FTMDGX product is issued from a workstation, the FTMDGX product will be transmitted under the NOUS64 KJAN WMO header.

....4. Stage the new wmoSiteInfo.txt file.

The updated wmoSiteInfo.txt file which was downloaded from NOAA1 only lists the entries for the commissioned radars which WFO JAN is connected to: the KJAN, KGWX and KMOB radars. WFO JAN's entry in the wmoSiteInfo.1210 file reads as follows:

```
KJAN    4    3    JANY56 GWXY56 MOBN14
```

During the period when WFO JAN is testing the KDGX radar prior to acceptance/commissioning, WFO JAN will locally collect the KDGX products but it will not transmit the KDGX radar products to the NCF. The following steps will prevent WFO JAN from transmitting the KDGX radar products to the NCF.

Enter the following commands as the **fxa** user on **ds1**:

```
cd /awips/fxa/data  
chown fxa:fxalpha wmoSiteInfo.1210  
chmod 664 wmoSiteInfo.1210  
cp -p wmoSiteInfo.1210 wmoSiteInfo.txt
```

Edit the new wmoSiteInfo.txt and add the KDGX radar to JAN's entry. The 3rd field will need to be changed from the number 3 to the number 4 because WFO JAN will appear to be ingesting data from 4 radars instead of 3 radars. The string DGXN56 will also be added to indicate that WFO JAN is ingesting data from the KDGX radar but WFO JAN is not allowed to transmit the KDGX radar products to the NCF. In the wmoSiteInfo.txt file change the following entry from:

```
KJAN    4    3    JANY56 GWXY56 MOBN14
```

to:

```
KJAN    4    4    JANY56 DGXN56 GWXY56 MOBN14
```

During the interim period when JAN is testing the KDGX radar, JAN's data transmission flag for the KDGX radar will be set to NO. Once JAN is ready to transmit the KDGX radar to the NCF, JAN's data transmission flag for the KDGX radar will be set to YES.

-5. Update the JAN-dialRadars.txt file in the /data/fxa/customFiles directory (or the /awips/fxa/data/localization/JAN directory).

Before making any changes to the JAN-dialRadars.txt file, save a copy of the current JAN-dialRadars.txt file as /data/fxa/customFiles/JAN-dialRadars.txt.KJAN.

Next, add the entry for the KDGX radar to the JAN-dialRadars.txt file. See page 27.

The updated JAN-dialRadars.txt file will have an entry for both the KJAN and KDGX radars. The 2 entries should allow the JAN AWIPS system to switch back and forth between the 2 radars. After the KDGX radar is commissioned and the KJAN radar is decommissioned, the entry for the KJAN radar should be removed from the JAN-dialRadars.txt file.

-6. Update the JAN-radarsInUse.txt file in the /data/fxa/customFiles directory (or the /awips/fxa/data/localization/JAN directory).

Before making any changes to the JAN-radarsInUse.txt file, save a copy of the current JAN-radarsInUse.txt file as /data/fxa/customFiles/JAN-radarsInUse.txt.KJAN.

Next, add the entry for the KDGX radar to the JAN-radarsInUse.txt file. See page 28.

The updated JAN-radarsInUse.txt file will have an entry for both the KJAN and KDGX radars. The 2 entries should allow the JAN AWIPS system to switch back and forth between the 2 radars. After the KDGX radar is commissioned and the KJAN radar is decommissioned, the entry for the KJAN radar should be removed from the JAN-radarsInUse.txt file.

-7. Update the JAN-radarsOnMenu.txt file in the /data/fxa/customFiles directory (or the /awips/fxa/data/localization/JAN directory).

Before making any changes to the JAN-radarsOnMenu.txt file, save a copy of the current JAN-radarsOnMenu.txt file as /data/fxa/customFiles/JAN-radarsOnMenu.txt.KJAN.

Next, add the entry for the KDGX radar to the JAN-radarsOnMenu.txt file. See page 29.

The updated JAN-radarsOnMenu.txt file will have an entry for both the KJAN and KDGX radars. The 2 entries should allow the JAN AWIPS system to switch back and forth between the 2 radars. After the KDGX radar is commissioned and the KJAN radar is decommissioned, the entry for the KJAN radar should be removed from the JAN-radarsOnMenu.txt file.

-8. Update the JAN-portInfo.txt file in the /data/fxa/customFiles directory (or the /awips/fxa/data/localization/JAN directory).

Before making any changes to the JAN-portInfo.txt file, save a copy of the current JAN-portInfo.txt file as /data/fxa/customFiles/JAN-portInfo.txt.KJAN.

Next, add the entry for the KDGX radar to the JAN-portInfo.txt file. See page 34.

The updated JAN-portInfo.txt file will have an entry for both the KJAN and KDGX radars. The 2 entries should allow the JAN AWIPS system to switch back and forth between the 2 radars. After the KDGX radar is commissioned and the KJAN radar is decommissioned, the entry for the KJAN radar should be removed from the JAN-portInfo.txt file.

....9. Update the /awips/fxa/data/orpgInfo.txt file.

Save a copy of the original /awips/fxa/data/orpgInfo.txt file by entering the commands:

```
cp -p /awips/fxa/data/orpgInfo.txt /awips/fxa/data/orpgInfo.txt.KJAN
chown fxa:fxalpha /awips/fxa/data/orpgInfo.txt.KJAN
chmod 664 /awips/fxa/data/orpgInfo.txt.KJAN
```

Next, copy the original /awips/fxa/data/orpgInfo.txt file to the /awips/fxa/data/orpgInfo.txt.KDGX file by entering the commands:

```
cp -p /awips/fxa/data/orpgInfo.txt /awips/fxa/data/orpgInfo.txt.KDGX
chown fxa:fxalpha /awips/fxa/data/orpgInfo.txt.KDGX
chmod 664 /awips/fxa/data/orpgInfo.txt.KDGX
```

Next edit the /awips/fxa/data/orpgInfo.txt.KDGX file and change the entry for the KJAN radar to the KDGX radar by changing the radar name from KJAN to KDGX and by changing the radar ID from 382 to 855. Change the /awips/fxa/data/orpgInfo.txt.KDGX file from:

#	Radar name	Radar ID	ORPG IP address	tcp port	Link index	Password
#	-----	-----	-----	-----	-----	-----
	KJAN	382	165.92.228.75	4489	25	passwd

to:

#	Radar name	Radar ID	ORPG IP address	tcp port	Link index	Password
#	-----	-----	-----	-----	-----	-----
	KDGX	855	165.92.228.75	4489	25	passwd

When the KDGX radar is the active radar connected to the JAN AWIPS system, the /awips/fxa/data/orpgInfo.txt.KDGX file will be copied to the /awips/fxa/data/orpgInfo.txt file. To activate the KDGX /awips/fxa/data/orpgInfo.txt file, the ORPGCommsMgr process will be stopped and restarted.

When the KJAN radar is the active radar connected to the JAN AWIPS system, the /awips/fxa/data/orpgInfo.txt.KJAN file will be copied to the /awips/fxa/data/orpgInfo.txt file. To activate the KJAN /awips/fxa/data/orpgInfo.txt file, the ORPGCommsMgr process will be stopped and restarted.

....10. Run a “./mainScript.csh -radar -dirs -auxFiles -text” localization by entering the following commands:

```
cd /awips/fxa/data/localization/scripts  
./mainScript.csh -radar -dirs -auxFiles -text
```

....11. Copy the updated radar configuration files from the /awips/fxa/data/localizationDataSets/JAN directory on the ds1 server to the remaining servers and workstations.

If you have not run a localization on **ds1** during the previous 2 days, the following commands will copy the files created by the localization from ds1 to the remaining servers and workstations. Run the following commands as the **root** user on **ds1** (Note that in the find command, the **-mtime -1** is the number one and not the letter l):

```
for i in ds2 as1 as2 $WORKSTATIONS lx1 lx2  
do  
echo "Updating $i"  
find /awips/fxa/data/localizationDataSets/JAN -mtime -1 -type f -print | xargs -i rcp -p {} $i: {}  
remsh $i "chown -R fxa:fxalpha /awips/fxa/data/localizationDataSets/JAN"  
remsh $i "chmod -R 775 /awips/fxa/data/localizationDataSets/JAN"  
rcp -p /awips/fxa/data/wmoSiteInfo.txt $i:/awips/fxa/data  
remsh $i "chown fxa:fxalpha /awips/fxa/data/wmoSiteInfo.txt"  
remsh $i "chmod 664 /awips/fxa/data/wmoSiteInfo.txt"  
rcp -p /awips/fxa/data/afos2awips.txt $i:/awips/fxa/data  
remsh $i "chown fxa:fxalpha /awips/fxa/data/afos2awips.txt.txt"  
remsh $i "chmod 664 /awips/fxa/data/afos2awips.txt"  
rcp -p /awips/fxa/data/orpgInfo.txt $i:/awips/fxa/data  
remsh $i "chown fxa:fxalpha /awips/fxa/data/orpgInfo.txt"  
remsh $i "chmod 664 /awips/fxa/data/orpgInfo.txt"  
done
```

....12. Copy the newly created /data/fxa/radar/lists/KDGX.clear-air RPS list to the /data/fxa/radar/lists/KDGX.current RPS list. The KDGX.current RPS list will be the initial RPS list submitted to the KDGX radar when AWIPS initially attempts to communicate with the KDGX radar. Enter the following command:

```
cp -p /data/fxa/radar/lists/KDGX.clear-air /data/fxa/radar/lists/KDGX.current
```

-13. Stop and restart the radar processes on the ds1 server by entering the 2 commands as the **fxa** user on **ds1**:

```
stopIngest.ds1  
startIngest.ds1
```

Note: When the startIngest.ds1 script restarts the ingest processes on ds1-jan, it will very likely start a syncComms process and a wfoApi process for the KDGX radar. At this point it is not clear if the erroneous syncComms and wfoApi processes will cause any problems. If this causes problems, we may have to manually edit the /awips/fxa/data/localizationDataSets/JAN/portInfo.txt file to contain either an entry for the KJAN radar or the KDGX radar (but not both the KJAN and KDGX entries at the same time).

-14. Stop and restart the radar processes on the as1 server by entering the 2 commands as the **fxa** user on **as1**:

```
stopIngest.as1  
startIngest.as1
```

-15. Stop and restart D2D on all of the workstations.

-16. Copy the updated version of the /awips/fxa/bin/fxa-radar.purge file from ds1 to ds2 by entering the commands:

```
rcp -p /awips/fxa/bin/fxa-radar.purge ds2:/awips/fxa/bin/fxa-radar.purge  
remsh ds2 "chown fxa:fxalpha /awips/fxa/bin/fxa-radar.purge"  
remsh ds2 "chmod 775 /awips/fxa/bin/fxa-radar.purge"
```

-17. Copy the updated version of the /awips/fxa/bin/fxa-data.purge file from ds1 to ds2 by entering the commands:

```
rcp -p /awips/fxa/bin/fxa-data.purge ds2:/awips/fxa/bin/fxa-data.purge  
remsh ds2 "chown fxa:fxalpha /awips/fxa/bin/fxa-data.purge"  
remsh ds2 "chmod 775 /awips/fxa/bin/fxa-data.purge"
```

This completes the instructions for WFO JAN.

WFO JAN switching from the KJAN radar to the KDGX radar

After the ORPG has been switched from the KJAN radar to the KDGX radar, perform the following procedure.

....1. Log into the **ds1** server as the **fxa** user.

....2. Copy the `/awips/fxa/data/orpgInfo.txt.KDGX` file to the `/awips/fxa/data/orpgInfo.txt` file by entering the command:

```
cp -p /awips/fxa/data/orpgInfo.txt.KDGX /awips/fxa/data/orpgInfo.txt
rcp -p /awips/fxa/data/orpgInfo.txt.KDGX ds2:/awips/fxa/data/orpgInfo.txt
```

Note: On step 12 of the previous section, I indicated that it might be necessary to create a custom copy of the `/awips/fxa/data/localizationDataSets/JAN/portInfo.txt` file. If there is a problem with having both the KJAN and KDGX radar entries in the `portInfo.txt` file, we may have to manually edit the `/awips/fxa/data/localizationDataSets/JAN/portInfo.txt` file so that only the KDGX radar is listed.

....3. Stop and restart the ORPGCommsMgr process by entering the commands:

```
stopORPGCommsMgr
startORPGCommsMgr
```

The JAN AWIPS system should now be ingesting and databasing the KDGX radar products.

WFO JAN switching from the KDGX radar to the KJAN radar

After the ORPG has been switched from the KDGX radar to the KJAN radar, perform the following procedure.

....1. Log into the **ds1** server as the **fxa** user.

....2. Copy the `/awips/fxa/data/orpgInfo.txt.KJAN` file to the `/awips/fxa/data/orpgInfo.txt` file by entering the command:

```
cp -p /awips/fxa/data/orpgInfo.txt.KJAN /awips/fxa/data/orpgInfo.txt
rmp -p /awips/fxa/data/orpgInfo.txt.KJAN ds2:/awips/fxa/data/orpgInfo.txt
```

Note: On step 12 of the previous section, I indicated that it might be necessary to create a custom copy of the `/awips/fxa/data/localizationDataSets/JAN/portInfo.txt` file. If there is a problem with having both the KJAN and KDGX radar entries in the `portInfo.txt` file, we may have to manually edit the `/awips/fxa/data/localizationDataSets/JAN/portInfo.txt` file so that only the KJAN radar is listed.

....3. Stop and restart the ORPGCommsMgr process by entering the commands:

```
stopORPGCommsMgr
startORPGCommsMgr
```

The JAN AWIPS system should now be ingesting and databasing the KJAN radar products.

Additional instructions for WFO JAN to send the KDGX radar products to the NCF.

Once the KDGX radar is fully tested and accepted and JAN is ready to transmit the KDGX radar products to the NCF, WFO JAN should follow this procedure to allow the KDGX radar products to be transmitted from JAN to the NCF.

-1. Log into the **ds1** server as the **fxa** user.

-2. Update the JAN-dialRadars.txt file in the /data/fxa/customFiles directory (or the /awips/fxa/data/localization/JAN directory). Remove the entry for the KJAN radar. See page 27.

-3. Update the JAN-radarsInUse.txt file in the /data/fxa/customFiles directory (or the /awips/fxa/data/localization/JAN directory). Remove the entry for the KJAN radar. See page 28.

-4. Update the JAN-radarsOnMenu.txt file in the /data/fxa/customFiles directory (or the /awips/fxa/data/localization/JAN directory). Remove the entry for the KJAN radar. See page 29.

-5. Update the JAN-portInfo.txt file in the /data/fxa/customFiles directory (or the /awips/fxa/data/localization/JAN directory). Remove the entry for the KJAN radar. See page 34.

-6. Copy the /awips/fxa/data/orpgInfo.txt.KDGX file to the /awips/fxa/data/orpgInfo.txt file by entering the commands:

```
cp -p /awips/fxa/data/orpgInfo.txt.KDGX /awips/fxa/data/orpgInfo.txt  
rcp -p /awips/fxa/data/orpgInfo.txt.KDGX ds2:/awips/fxa/data/orpgInfo.txt
```

....7. Update the /awips/fxa/data/wmoSiteInfo.txt file.

The KJAN radar will be removed from WFO JAN's entry.

The KDGX data transmission flag for WFO JAN will be changed from No to Yes. The Yes data transmission flag will allow WFO JAN to transmit the KDGX radar products to the NCF.

Edit the /awips/fxa/data/wmoSiteInfo.txt file and change WFO JAN's entry from:

```
KJAN      4      4      JANY56 DGXN56 GWXY56 MOBN14
```

to:

```
KJAN      4      3      DGXY56 GWXY56 MOBN14
```

....8. Run a “./mainScript.csh -radar -dirs -auxFiles -text” localization by entering the following commands:

```
cd /awips/fxa/data/localization/scripts  
./mainScript.csh -radar -dirs -auxFiles -text
```

....9. Copy the updated radar configuration files from the /awips/fxa/data/localizationDataSets/JAN directory on the ds1 server to the remaining servers and workstations.

If you have not run a localization on **ds1** during the previous 2 days, the following commands will copy the files created by the localization from ds1 to the remaining servers and workstations. Run the following commands as the **root** user on **ds1**:

```
for i in ds2 as1 as2 $WORKSTATIONS lx1 lx2  
do  
echo "Updating $i"  
find /awips/fxa/data/localizationDataSets/JAN -mtime -1 -type f -print | xargs -i rcp -p {} $i:}  
remsh $i "chown -R fxa:fxalpha /awips/fxa/data/localizationDataSets/JAN"  
remsh $i "chmod -R 775 /awips/fxa/data/localizationDataSets/JAN"  
rcp -p /awips/fxa/data/wmoSiteInfo.txt $i:/awips/fxa/data  
remsh $i "chown fxa:fxalpha /awips/fxa/data/wmoSiteInfo.txt"  
remsh $i "chmod 664 /awips/fxa/data/wmoSiteInfo.txt"  
done
```

-10. Copy the newly created /data/fxa/radar/lists/KDGX.clear-air RPS list to the /data/fxa/radar/lists/KDGX.current RPS list. The KDGX.current RPS list will be the initial RPS list submitted to the KDGX radar when AWIPS initially attempts to communicate with the KDGX radar. Enter the following command:

```
cp -p /data/fxa/radar/lists/KDGX.clear-air /data/fxa/radar/lists/KDGX.current
```

-11. Stop and restart the radar processes on the ds1 server by entering the 2 commands as the **fxa** user on **ds1**:

```
stopIngest.ds1  
startIngest.ds1
```

-12. Stop and restart the radar processes on the as1 server by entering the 2 commands as the **fxa** user on **as1**:

```
stopIngest.as1  
startIngest.as1
```

-13. Stop and restart D2D on all of the workstations.

-14. Copy the updated version of the /awips/fxa/bin/fxa-radar.purge file from ds1 to ds2 by entering the commands:

```
rcp -p /awips/fxa/bin/fxa-radar.purge ds2:/awips/fxa/bin/fxa-radar.purge  
remsh ds2 "chown fxa:fxalpha /awips/fxa/bin/fxa-radar.purge"  
remsh ds2 "chmod 775 /awips/fxa/bin/fxa-radar.purge"
```

....15. Copy the updated version of the /awips/fxa/bin/fxa-data.purge file from ds1 to ds2 by entering the commands:

```
rcp -p /awips/fxa/bin/fxa-data.purge ds2:/awips/fxa/bin/fxa-data.purge  
remsh ds2 "chown fxa:fxalpha /awips/fxa/bin/fxa-data.purge"  
remsh ds2 "chmod 775 /awips/fxa/bin/fxa-data.purge"
```

This completes the instructions for WFO JAN.

REFERENCE INFORMATION

The AWIPS configuration files which should be updated at all sites in order to indicate the new KDGX radar

The /awips/fixa/data/wmoSiteInfo.txt file is maintained by the WSR-88D Hotline.

The /awips/fixa/data/wmoSiteInfo.txt file lists the dedicated radar connections for each AWIPS system. For each AWIPS system's dedicated radar connection, the wmoSiteInfo.txt file indicates if that AWIPS system is the sending site for the radar products, i.e. Is the AWIPS site designated to be the one and only system which transmits the radar data to the NCF?

Technically, the wmoSiteInfo.txt file only needs to be updated at JAN because JAN is the one and only AWIPS system which is allowed to transmit the KDGX radar products to the NCF. However in order that we maintain only 1 version of the wmoSiteInfo.txt file across all AWIPS systems, the wmoSiteInfo.txt file should be updated on all AWIPS systems.

Currently, the wmoSiteInfo.txt file contains the following entry to indicate the dedicated radars which WFO Jackson has access to:

KJAN 4 3 JANY56 GWXY56 MOBN14

When the KJAN radar is disconnected from the JAN AWIPS system and the KDGX radar is connected to the JAN AWIPS system, the WFO JAN's entry in the wmoSiteInfo.txt file will change to:

KJAN 4 3 DGXY56 GWXY56 MOBN14

The string **DGXY56** will be added to the WFO Jackson entry in the wmoSiteInfo.txt file. The **DGX** is the identifier for the Brandon radar, **Y** indicates that WFO Jackson (KJAN) is the AWIPS system which transmits the KDGX radar products to the NCF and **56** is an obsolete reference to the X.25 line speed.

The /data/fxa/nationalData/fsl-w88d.dbf, /data/fxa/nationalData/fsl-w88d.shp.Z and /data/fxa/nationalData/fsl-w88d.shx files are maintained by Ira Graffman.

These files contain the geographic map background information about each radar. To ensure that each AWIPS system correctly positions the radars on the D2D displays, these files should be updated at each AWIPS system.

To get the updated fsl-w88d.dbf, fsl-w88d.shp.Z and fsl-w88d.shx files, log into the ds1 server as the fxa user and enter the following commands:

```
cd /data/fxa/nationalData
mv fsl-w88d.dbf fsl-w88d.dbf.preKVWX
mv fsl-w88d.shp fsl-w88d.shp.preKVWX
mv fsl-w88d.shx fsl-w88d.shx.preKVWX
```

```
ftp 165.92.25.15 (Log in as ftp with your site ID as a password)
```

```
cd /pub/maps
```

```
binary
```

```
hash
```

```
get w803de02.dbf
```

```
get w803de02.shp.Z
```

```
get w803de02.shx
```

```
bye
```

```
chown fxa:fxalpha w803de02.*
```

```
chmod 664 w803de02.*
```

```
mv w803de02.dbf fsl-w88d.dbf
```

```
mv w803de02.shp.Z fsl-w88d.shp.Z
```

```
mv w803de02.shx fsl-w88d.shx
```

The /awips/fxa/data/localizationDataSets/LLL/radarInfoMaster.txt file is created by the “./mainScript.csh -radar” localization.

The /data/fxa/nationalData/fsl-w88d.dbf, /data/fxa/nationalData/fsl-w88d.shp.Z and /data/fxa/nationalData/fsl-w88d.shx files are used as input by localization in order to create the radarInfoMaster.txt file.

Ira Graffman is responsible for creating the updated fsl-w88d.bdf, fsl-w88d.shp.Z and fsl-w88d.shx files. After Ira has updated the files on NOAA1, Ira will send a notice to the field about the updated files.

The AWIPS configuration files which should be updated at all AWIPS sites which have either dial access to the KDGX radar or AWIPS sites which will receive the KDGX radar products from the SBN

The /data/fxa/customFiles/LLL-dialRadars.txt file (or the /awips/fxa/data/localization/LLL/LLL-dialRadars.txt file) is maintained by the WSR-88D Hotline but changes to the local copy of this file are performed by the local AWIPS system administrator.

The LLL-dialRadars.txt lists the AWIPS system specific phone number and password which allows each AWIPS system to dial into a given radar. The WSR-88D Hotline facilitates National and Regional Headquarters guidance to assign dial access to a given radar. The WSR-88D Hotline provides the site specific phone number and password to the local AWIPS system administrator so that the phone number and password can be added to the LLL-dialRadars.txt file.

The /awips/fxa/data/localizationDataSets/LLL/dialRadars.txt file is created by the “./mainScript.csh -radar” localization.

The input file used to create the /awips/fxa/data/localizationDataSets/LLL/dialRadars.txt file is the /awips/fxa/data/localization/LLL/LLL-dialRadars.txt file. Under the guidance of the WSR-88D Hotline, an AWIPS site would update the /data/fxa/customFiles/LLL-dialRadars.txt file (or the /awips/fxa/data/localization/LLL/LLL-dialRadars.txt file) and then run a “./mainScript.csh -radar” localization to create the /awips/fxa/data/localizationDataSets/LLL/dialRadars.txt file.

The /data/fxa/customFiles/LLL-radarsInUse.txt file (or the /awips/fxa/data/localization/LLL/LLL-radarsInUse.txt file) is maintained by the WSR-88D Hotline but changes to the local copy of this file are performed by the local AWIPS system administrator.

The LLL-radarsInUse.txt configuration file contains information on the radars being used by AWIPS, the radar ID, and whether the radar ID is dedicated or dial-out. If the number is a 0, it is a dial-out radar. If the number is a 2, the radar is both a dedicated and dial-out radar.

The WSR-88D Hotline facilitates National and Regional Headquarters guidance to assign dial access to a given radar. The WSR-88D Hotline provides the site specific entries for the LLL-radarsInUse.txt file to the local AWIPS system administrator. The local AWIPS system administrator updates the LLL-radarsInUse.txt file according to the WSR-88D Hotline's guidance.

The /awips/fxa/data/localizationDataSets/LLL/radarsInUse.txt file is created by the “./mainScript.csh -radar” localization.

The input file used to create the /awips/fxa/data/localizationDataSets/LLL/radarsInUse.txt file is the /data/fxa/customFiles/LLL-radarsInUse.txt file (or the /awips/fxa/data/localization/LLL/LLL-radarsInUse.txt file). Under the guidance of the WSR-88D Hotline, an AWIPS site would update the /data/fxa/customFiles/LLL-radarsInUse.txt file (or the /awips/fxa/data/localization/LLL/LLL-radarsInUse.txt file) and then run a “./mainScript.csh -radar” localization to create the /awips/fxa/data/localizationDataSets/LLL/radarsInUse.txt file.

The /data/fxa/customFiles/LLL-radarsOnMenu.txt file (or the /awips/fxa/data/localization/LLL/LLL-radarsOnMenu.txt file) is maintained by the WSR-88D Hotline but changes to the local copy of this file are performed by the local AWIPS system administrator.

The LLL-radarsOnMenu.txt file contains entries that assign associated/dedicated radar(s) to the top D2D menu bar and dial-up radars to the bottom of the radar pop-up menu. This file also assigns the scale and four-panel assignments for the D2D radar data display.

Each line in the radarsOnMenu.txt file is in the following format:

kxxx {S4} : {s} +

- Where

- kxxx** is the radar's RPG ID
- {S4}** represents zero or more scale indices, as detailed below, for which four-panel menu entries will be constructed
- :** four-panel menu selectors will be generated only for scales preceding the colon (if the colon is omitted, four-panel menu entries will be available for all listed scales)
- {s}** represents zero or more scale indices for which no four-panel menu entries will be constructed
- +** a flag used to denote an associated/dedicated radar that will be on the main D2D menu bar; dial radars at the bottom of the radar menu are not flagged

<u>Scale Index</u>	<u>Scale Name (WFO)</u>	<u>Projection Type</u>	<u>Approx Size (km)</u>
0	Northern Hemisphere	Polar Stereographic	18,000
1	North American	Polar Stereographic	9,000
2	CONUS	Lambert Conformal	5,800
3	Regional	Lambert Conformal	2,000
4	State	Lambert Conformal	900
5	WFO	Local Stereographic	460

The /awips/fxa/data/localizationDataSets/LLL/radarsOnMenu.txt file is created by the “./mainScript.csh -radar” localization.

The input file used to create the /awips/fxa/data/localizationDataSets/LLL/radarsOnMenu.txt file is the /data/fxa/customFiles/LLL-radarsOnMenu.txt file (or the /awips/fxa/data/localization/LLL/LLL-radarsOnMenu.txt file). Under the guidance of the WSR-88D Hotline, an AWIPS site would update the /data/fxa/customFiles/LLL-radarsOnMenu.txt file (or the /awips/fxa/data/localization/LLL/LLL-radarsOnMenu.txt file) and then run a “./mainScript.csh -radar” localization to create the /awips/fxa/data/localizationDataSets/LLL/radarsOnMenu.txt file.

The /awips/data/acq_wmo_parms.sbn.radar file is created by the “./mainScript.csh -radar” localization. The acq_wmo_parms.sbn.radar file will does not need to be updated for the KDGX radar. I have this file identified as a reminder that we will need to change the acq_wmo_parms.sbn.radar file when the KHTX radar is transferred from WFO Birmingham (BMX) to WFO Huntsville (HUN) .

The /awips/data/acq_wmo_parms.sbn.radar file defines the radars and radar products which are allowed to be received from the SBN. The /awips/data/acq_wmo_parms.sbn.radar file is created by the “./mainScript.csh -radar” localization. The “./mainScript.csh -radar localization uses the /awips/fxa/data/localization/LLL/LLL-radarsInUse.txt file to determine which radars are to be received via the SBN. After the “./mainScript.csh -radar” localization creates the acq_wmo_parms.sbn.radar file, the acq_wmo_parms.sbn.radar file will need to be manually copied from ds1 to cpsbn1 and cpsbn2.

This acq_wmo_parms.sbn.radar file will not need to be recreated in order to allow the KDGX radar products to pass from the cpsbn to ds1. The filter already allows all radar products which are placed on the SBN by WFO JAN to pass from the cpsbn to ds1. Here is a copy of the current SBN radar filters which allow the radar products issued by WFO JAN to pass from the cpsbn to ds1:

```
CODE 17 INCLUDE SDUS5??KJAN*  
CODE 17 INCLUDE SDUS8??KJAN*  
CODE 17 INCLUDE SDUS4??KJAN*  
CODE 16 INCLUDE NXUS6??KJAN*
```

The /awips/fxa/bin/fxa-radar.purge script is created by the “./mainScript.csh -auxFiles” localization.

The /awips/fxa/bin/fxa-radar.purge script is used to delete old radar products from radars whose data is received via the SBN. The fxa-radar.purge script is created by the “./mainScript.csh -auxFiles” localization. The “./mainScript.csh -auxFiles” localization uses the generic /data/fxa/nationalData/fxa-radar.purge.template file to list the standard products which are received via the SBN. The “./mainScript.csh -auxFiles” localization then examines the /awips/fxa/data/localization/LLL/LLL-radarsInUse.txt file to determine which radars have their products received via the SBN.

The /awips/fxa/bin/fxa-data.purge script is created by the “./mainScript.csh -auxFiles” localization.

The /awips/fxa/bin/fxa-data.purge script is used to delete old radar products from radars whose data is received directly from the radar via the ORPGCommsMgr process or the wfoApi process. The fxa-data.purge script is created by the “./mainScript.csh -auxFiles” localization.

The /data/fxa/radar/kdgx directory structure is created by the “./mainScript.csh -dirs” localization.

The /awips/fxa/data/localizationDataSets/LLL/afosMasterPIL.CCC file is created by the “./mainScript.csh -text -radar” localization.

The input files used by the “./mainScript.csh -text” localization to create the /awips/fxa/data/localizationDataSets/LLL/afosMasterPIL.CCC file are:

/data/fxa/nationalData/afosMasterPIL.txt
/data/fxa/nationalData/radarTextProds.template
/awips/fxa/data/localization/LLL/LLL-radarsInUse.txt

If the KDGX radar is added to the /awips/fxa/data/localization/LLL/LLL-radarsInUse.txt file (or /data/fxa/customFiles/LLL-radarsInUse.txt), the afosMasterPIL.CCC file created by localization will contain the following entries:

**WSRAAPDGX
WSRPTLDGX
WSRASMDGX
WSRVWPDGX
WSRSTIDGX
WSRHAIDGX
WSRMESDGX
WSRTVSDGX
WSRSSTDGX
WSRUAMDGX
WSRRCMDGX
WSRFTMDGX
WSROHPDGX
WSRTHPDGX
WSRSTPDGX
WSRSPDDGX
WSRRMUDGX
WSRCSHDGX
WSRCSCDGX**

The AWIPS configuration files which only need to be updated at at JAN

The /awips/fxa/data/orpgInfo.txt file needs to be manually updated to allow the ORPGCommsMgr process to talk to the Brandon radar.

Because the KDGX radar is replacing the KJAN radar, the /awips/fxa/data/orpgInfo.txt file must be edited to remove the entry for the KJAN radar and add the entry for the KDGX radar. The following entry must be changed in the /awips/fxa/data/orpgInfo.txt file on ds1-JAN and ds2-JAN from:

#	Radar name	Radar ID	ORPG IP address	tcp port	Link index	Password
#	-----	-----	-----	-----	-----	-----
	KJAN	382	165.92.228.75	4489	25	passwd

to:

#	Radar name	Radar ID	ORPG IP address	tcp port	Link index	Password
#	-----	-----	-----	-----	-----	-----
	KDGX	855	165.92.228.75	4489	25	passwd

where **855** is the KDGX Radar ID which is also listed in the portInfo.txt file. To activate the updated orpgInfo.txt file, the stopORPGCommsMgr command must be run followed by the startORPGCommsMgr command.

The /data/fxa/customFiles/JAN-portInfo.txt file (or the /awips/fxa/data/localization/JAN/JAN-portInfo.txt file) is jointly maintained by the WSR-88D Hotline and the local AWIPS system administrator.

The /data/fxa/customFiles/JAN-portInfo.txt file (or the /awips/fxa/data/localization/JAN/JAN-portInfo.txt file) lists the port assignments on the simpact board for the X.25 radar connections. Currently, JAN has the following information in their JAN-portInfo.txt file:

0 0 382 KJAN 65
0 1 509 KMOB 31
3 0 342 KGWX 50

WFO JAN will want to replace the **0 0 382 KJAN 65** entry in the /data/fxa/customFiles/JAN-portInfo.txt file (or the /awips/fxa/data/localization/JAN/JAN-portInfo.txt file) with the **0 0 855 KDGX 65** for the KDGX radar:

0 0 855 KDGX 65

Since the JAN AWIPS system will be connected to the KDGX radar via a LAN-to-LAN interface rather than an X.25 interface, the first 2 entries for the board number and port number can default to 0 and 0. The 855 is the KDGX Radar ID which is also listed in the orgpInfo.txt file. 65 is the maximum number of products allowed in the RPS list.

The /awips/fxa/data/localizationDataSets/JAN/portInfo.txt file is created by the “./mainScript.csh -radar” localization

The input file which the “./mainScript.csh -radar” localization uses to create the /awips/fxa/data/localizationDataSets/JAN/portInfo.txt file is the /awips/fxa/data/localization/JAN/JAN-portInfo.txt file.

The /data/fxa/customFiles/JAN-pupId.txt file (or the /awips/fxa/data/localization/JAN/JAN-pupId.txt file) is jointly maintained by the WSR-88D Hotline and the local AWIPS system administrator.

The /data/fxa/customFiles/JAN-pupId.txt file (or the /awips/fxa/data/localization/JAN/JAN-pupId.txt file) contains the Principal User Processor (PUP) ID associated with your AWIPS site. The PUP ID allows your AWIPS site to connect and communicate with WSR-88D radars. Since the pup ID is not changing, this file does not need to be changed.

The /awips/fxa/data/localizationDataSets/JAN/pupId.txt file is created by the “./mainScript.csh -radar” localization.

Since the /awips/fxa/data/localization/JAN/JAN-pupId.txt configuration file is not being updated, there is no reason to update the /awips/fxa/data/localizationDataSets/JAN/pupId.txt file.

The /data/fxa/radar/lists/KDGX.clear-air, /data/fxa/radar/lists/KDGX.maint and /data/fxa/radar/list/KDGX.storm files are all created by the “./mainScript.csh -auxFiles” localization.

The /data/fxa/radar/lists/KDGX.clear-air, /data/fxa/radar/lists/KDGX.maint and /data/fxa/radar/list/KDGX.storm files contain a portion of the baseline RPS list. The /data/fxa/radar/lists/KDGX.clear-air, /data/fxa/radar/lists/KDGX.maint and /data/fxa/radar/list/KDGX.storm files are build by the “./mainScript.csh -auxFiles” localization. The input files used are the generic /awips/fxa/data/KXXX.clear-air, /awips/fxa/data/KXXX.maint and /awips/fxa/data/KXXX.storm files. The “./mainScript.csh -radar” localization also used the /awips/fxa/data/localization/JAN/JAN-radarInUse.txt file to determine which are the dedicated radars that require an RPS list.

AWIPS Authorized Dial-In Users

Jackson, MS

RPG Number: 855 [decimal]

January 18, 2003 14:34

1. FSL WFO Advanced Team
2. Network Control Facility
3. NWS HQ Development "A"
4. NWS HQ AWIPS NMT WFO
5. NWS HQ Development RFC
6. NWS HQ AWIPS NMT RFC
7. NCEP Hydromet Pred AWIPS
8. Ft. Worth, TX AWIPS
9. Slidell, LA RFC AWIPS
10. Slidell, LA WFO AWIPS
11. Southern Region HQ AWIPS
12. Atlanta, GA RFC AWIPS
13. NWS HQ Development WFO
14. Shreveport, LA AWIPS
15. NWS HQ/OM AWIPS
16. NWS HQ/OH AWIPS
17. COMET Boulder, CO AWIPS
18. Lake Charles, LA AWIPS
19. TPC, Miami, FL RFC AWIPS
20. TPC, Miami, FL WFO AWIPS
21. Aviation Wx Ctr RFC AWIPS
22. Aviation Wx Ctr WFO AWIPS
23. Huntsville AL WFO AWIPS
24. Storm Pred Cntr AWIPS
25. NCEP Marine Pred Center AWIPS
26. Little Rock, AR AWIPS
27. Memphis, TN AWIPS
28. Birmingham, AL AWIPS
29. Jackson, MS AWIPS
30. Mobile, AL AWIPS
31. NGIT Test Bed, McLean, VA
32. Radar Ops Center AWIPS