

## Software Release Notice

**System:** WGS

**Release:** ReceiverNode1.2

**Date:** March 7, 2000

### **Modification Description:**

Receiver Node (RN) releases ReceiverNode1.2 for Wallops

The following changes are provided for Receiver Node release ReceiverNode1.2:

1. Receiver Node can accept command from Master Node to load a configuration file on demand.
2. Added control for additional HP E1301 RF Matrix Switch (HP75000 with 1366A Plug-Ins) for additional 7.3-meter inputs.
3. Changed remote interface to a Single Socket Interface for robustness between master and RN.
4. When configuration is applied we zero on noise. The receivers are now zeroed on noise before the combiners.
5. From the control/status screen and configure screen; the right mouse click now brings up the correct selection box to go to the next receiver or combiner.
6. The default configuration now starts with all instruments in the not configure state.
7. Changed yellow lettering on status/control and configuration screens to be a more readable color.
8. After 'login' and before 'upgrade', the operator is prevented from going to the control and status menu or from clicking on the instrument screen space to get to status and control screens.
9. On the video demod. Screens indicate which receiver/combiner is being adjusted.
10. On video/demod screen, corrected the FM bandwidth selection and status widows so that the values match.
11. Corrected timing bug, which would cause some receivers to go offline.
12. Corrected bug, which could not handle a remote schedule, which crosses a year boundary.
13. Fix incorrect display of instrument offline count

### **Description of Discrepancies Driving New Release**

Items 1-3 are changes requested under contract. Items 4-15 are a result operator feedback.

### **Files Affected:**

The files that were developed and/or utilized as part of ReceiverNode1.2 are listed in Attachment 1: ReceiverNode1.2 FILES.

### **Hardware Requirements:**

N/A

### **Validation Procedures:**

ReceiverNode1.2 will be validated on site the week ending 3/17/00 and continued daily testing at NASA/Wallops for scheduled satellite passes.

### **Known Bugs or Limitations:**

This release requires an upgrade to CSC Master software to release 3.2 for proper function. No other issues are known at this time.

**Installation Procedure:**

Scientific Atlanta staff should be onsite for functional validation. It will be necessary to coordinate the time of the update with the operator.

**Documentation Affected:**

N/A

**Comments:**

**Approval:**

The software modifications described in this release notice has been validated and accepted.

\_\_\_\_\_  
NASA WGS Project Manager

\_\_\_\_\_  
Date

**SOFTWARE RELEASED:**

The software modifications described in this release notice have been completed and released to ground station operations.

\_\_\_\_\_  
System Manager

\_\_\_\_\_  
Date

\_\_\_\_\_  
NASA Program Monitor

\_\_\_\_\_  
Date

**Attachment 1**  
**WGS ReceiverNode1.2 Files**

**The bin Directory:**

KILL.BAT  
uif.exe  
Acusim.exe  
Auth.exe  
Build\_ms.exe  
Cnf.exe  
Err.exe  
Eup.exe  
Exc.exe  
prepass.exe  
postpass.exe  
Ped.exe  
Rci\_clnt.exe  
Rci\_srvr.exe  
Schedmon.exe  
Cst.exe  
Sup.exe  
Tex.exe  
Settime.exe  
loh.exe  
Rs232.exe  
Status\_l.exe  
Timer.dll  
Lp.exe  
Main.exe  
STARTUP.BAT  
GETBIN.BAT  
Track.exe