

# AE IV&V Test Case TO8\_4203

## Revision History

Rev. No.	Date	By	Description of Changes
1	4/17/08	DP	Initial Release.

## 1. TEST CASE IDENTIFIER

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TO8\_4203 – Ingest, Decode and Display Grids with Bitmaps/Missing Data

## 2. NARRATIVE

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- Verify proper ingest, decode, and display of grid datasets with bitmaps and/or missing data

## 3. REFERENCES (Optional)

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none

## 4. FEATURES TO BE TESTED

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- Verify that ingest and decoding complete without errors
- Compare decoding of grid is correct by comparing select grid values to NAWIPS decoded values for same grids.
- Verify that CAVE can properly display all forecast times in CAVE

## 5. SETUP INSTRUCTIONS

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Step	Setup Procedure	Result
1	Startup EDEX servers	

**6. ACCEPTANCE CRITERIA**

Step(s)	Criteria	Result

**7. TESTING PROCEDURE**

Step	Procedure	Expected Result	Actual Result
1	Ingest grid known to have a bitmap	Error-free report	
2	Verify that grids' metadata are in Postgres db	Psqj query shows metadata	
3	Verify that grid data values are in HDF5 repository	Values are there	
4	Request a grid from CAVE via EDEX script (if necessary)	Grid contours displayed	
5	Compare contour display w/ NAWIPS/GEMPAK result	Contours should be visually comparable	
6	Select "Load as Image" for this grid	Image displayed	
7	Remap data to other map scales	Image and contours properly remapped	
8	Use "sample" to spot check individual grid point values	Values should match baseline (GEMPAK)	
9	Verify in all cases that bitmap area is properly represented	All areas properly represented	
	End of test		