

# AE IV&V Test Case TO8\_4202

## Revision History

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

## 1. TEST CASE IDENTIFIER

---

TO8\_4202 – NDFD Ingest, Decode and Display Tests

## 2. NARRATIVE

---

Verify proper ingest, decode, and display of full domain NDFD datasets

## 3. REFERENCES (Optional)

---

none

## 4. FEATURES TO BE TESTED

---

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

## 5. SETUP INSTRUCTIONS

---

*[Describe any special conditions which must be setup prior to the start of this test case]*

Step	Setup Procedure	Result
1	Startup EDEX servers	

## 6. ACCEPTANCE CRITERIA

---

Step(s)	Criteria	Result
1	Visually compare output values for consistency	
2	Use "sample" to compare individual data values w/ NAWIPS/GEMPAK	

## 7. TESTING PROCEDURE

---

Step	Procedure	Expected Result	Actual Result
1	Ingest NDFD grid from GRIB2 format	Error-free report	
2	Verify that grids' metadata are in Postgres db	Psq query shows metadata	
3	Verify that grid data values are in HDF5 repository	Values are there	
4	Request a grid from CAVE via D2D Volume Browser	Failure since D2D not configured to display this grid projection, etc.	
5	Request a grid from CAVE via EDEX script	Grid contours displayed	
6	Compare contour display w/ NAWIPS/GEMPAK result	Contours should be visually comparable	
7	Select "Load as Image" for this grid	Image displayed	
8	Remap data to other map scales	Image and contours properly remapped	
9	Use "sample" to spot check individual grid point values	Values should match baseline (GEMPAK)	
10	Load multiple forecast times	All times should load	
	End of test		