

CHPS

- CHPS – Community Hydrologic Prediction System
 - The whole system, ie data collection, quality control, future forcing creation
 - Includes FEWS
- FEWS – Flood Early Warning System
 - The hydrologic modelling software
 - Within CHPS
 - Replaces NWSRFS

Current IFP interface with NWSRFS

NWSRFS Interactive Forecast Program

File Options Display Modifications

Latitude: Longitude: Distance:

Scale 1: 412020 **SJ_F**

Forecast Group Topology

SJ_F

NWSRFS ifp

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directory for reorder files: /awips/hydroapps/1x/rfc/nwsrfs/ofs/files/open_new/fs5files/
directory for mod files: /awips/hydroapps/1x/rfc/nwsrfs/ofs/files/open/mods/
directory for grid files: /awips/hydroapps/1x/precip_proc/local/data/npe/qpe/

directory for oper files: /porky/home/jdl/ofs_ifp/fs5files/
0**WARNING** START OF FUTURE DATA DIFFERS BY 6 HRS BETWEEN PDB AND USER (T.S.=MCEC2HUF MAP 6 HF
**NOTE** THE ABOVE WARNING OCCURRED IN SEGMENT MCEC2H_F FOR ROUTINE FROP08 .
0**WARNING** START OF FUTURE DATA DIFFERS BY 6 HRS BETWEEN PDB AND USER (T.S.=MCEC2HLF MAP 6 HF
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0**WARNING** START OF FUTURE DATA DIFFERS BY 6 HRS BETWEEN PDB AND USER (T.S.=MCEC2XG STG 1 HF
**NOTE** THE ABOVE WARNING OCCURRED IN SEGMENT MCEC2H_F FOR ROUTINE FROP08 .
        
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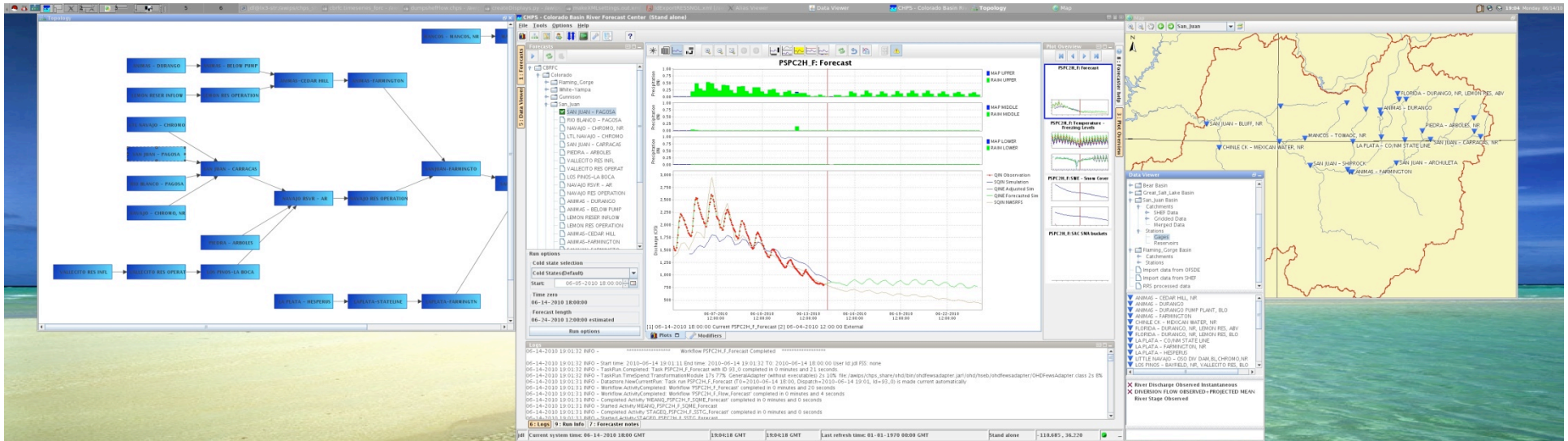
IFP Plot: CO-UT BORDER, NR - ALL - MCELMO CK

Day Hour	OBS.QIN	FCST1.QINE	FCST1.SSTG
13 24	86.24	86.24	3.41
14 01	87.50	87.50	3.42
14 02	87.50	87.50	3.42
14 03	91.35	91.35	3.45
14 04	95.45	95.45	3.48
14 05	95.45	95.45	3.48
14 06	95.45	95.45	3.48
14 07	92.67	92.67	3.46
14 08	91.35	91.35	3.45
14 09	92.67	92.67	3.46
14 10	95.45	95.45	3.48
14 11	95.45	95.45	3.48
14 12	95.45	95.45	3.48

6/2010 Z

undo time series change

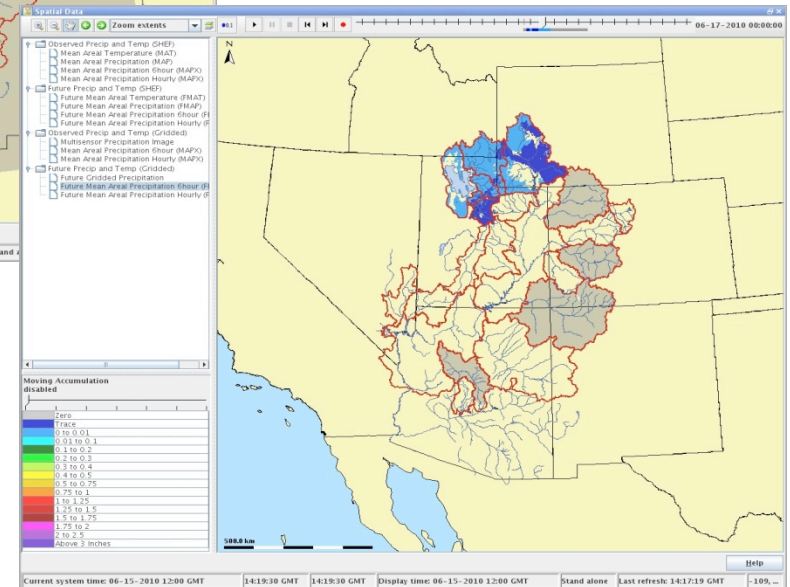
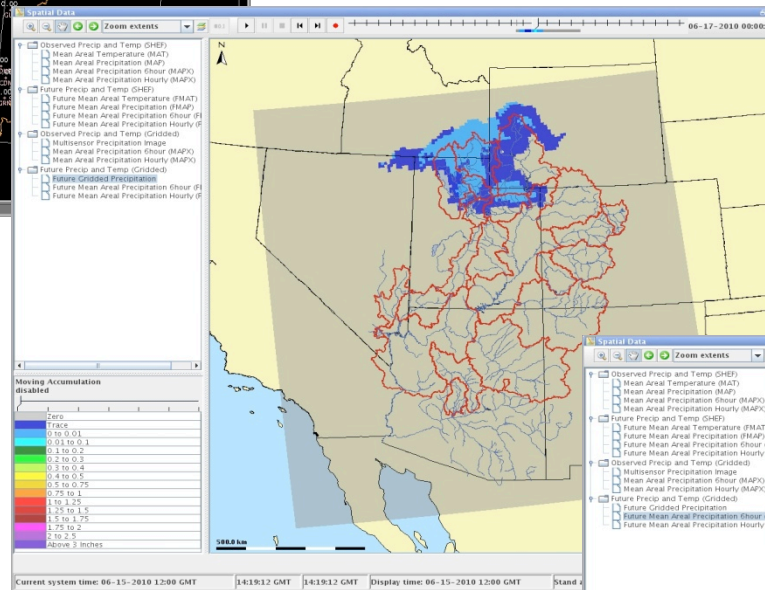
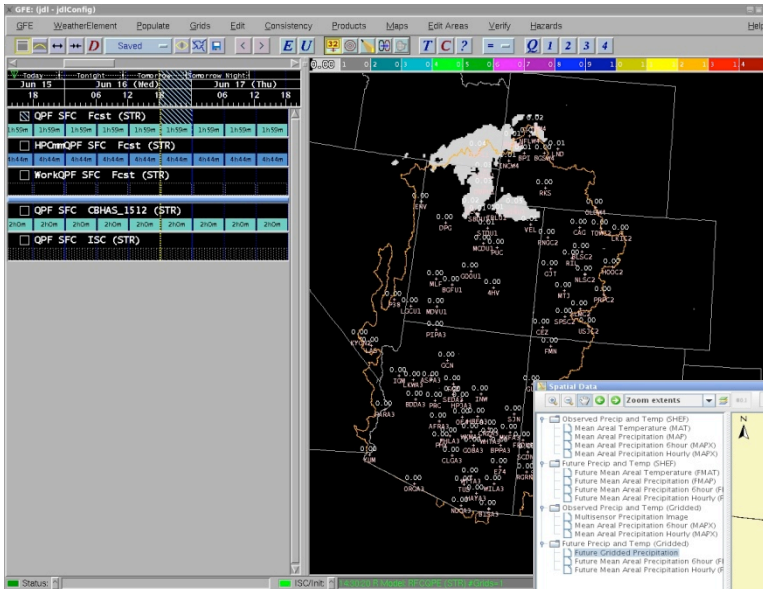
New IFD interface for FEWS



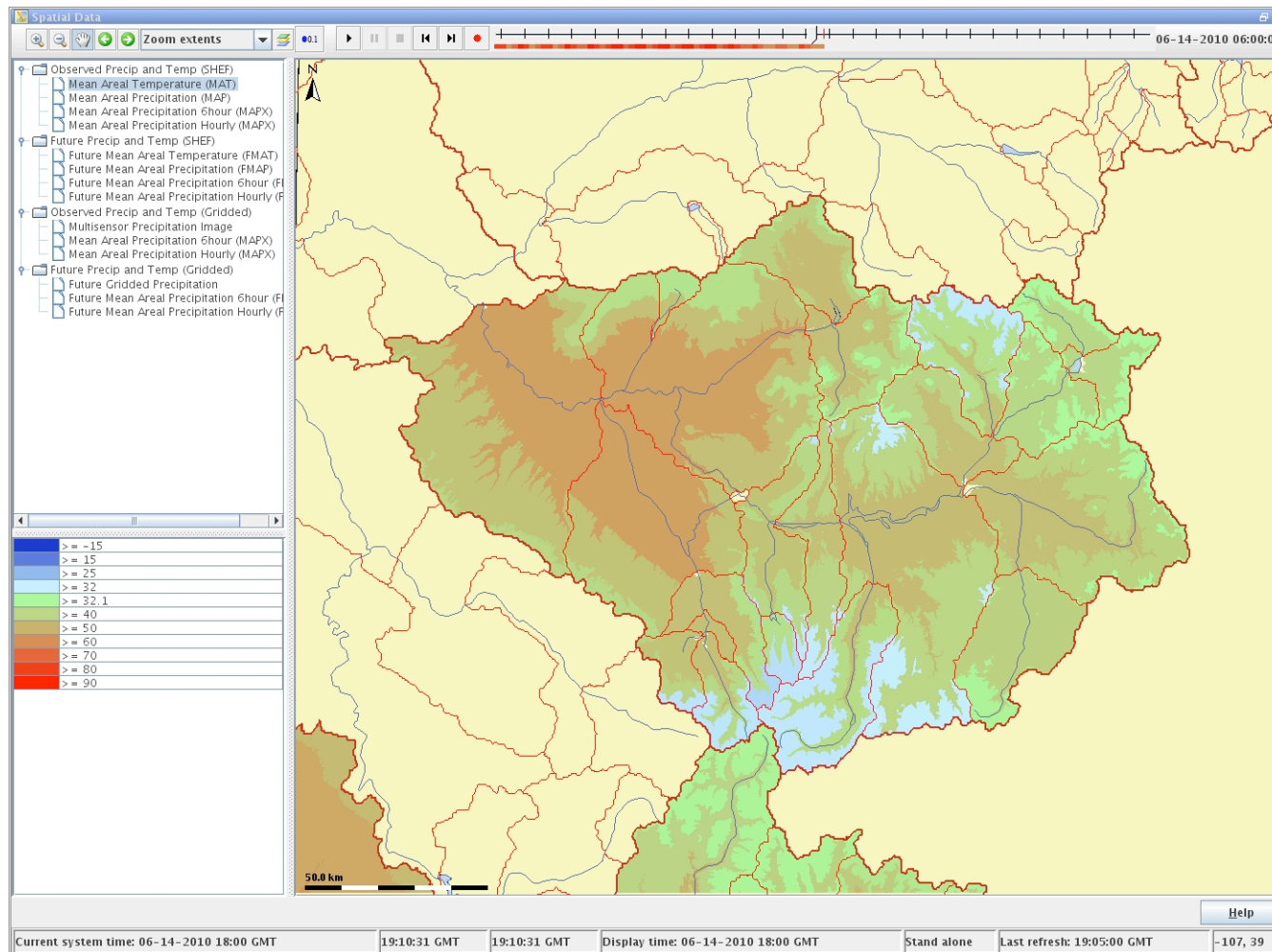
Highlights of new features

- More logging of system
- Easier navigation of model plots
- Better integration of segment information
- Ability to view all data in system

Gridded data into FEWS QPF example



Gridded Temperatures and Freezing Levels will be imported too



Other things to come with CHPS

- Ability to provide Stand Alone systems.
- Ability to add new models to the system.
- Facilitate collaborations with **stakeholders**, academia, and research-to-operations implementations.
- International hydrologic community.