

Dear Fellow CAPT members:

Below is a simple high level discussion and listing of what is where for the CAPT group. These data do not include what one has privately on their personal discs.

Regards,

Jay

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### CAPT data usage

Our data storage exists in six directories and these are entitled: /pcmdi/CAPT1, /pcmdi/CAPT2, /pcmdi/CAPT3, /scratch/captdata2, /scratch/captdata3 and /scratch/captdata4. I have listed below a simple high level breakdown for each of these directories and an approximate size (in Gigabytes) and where possible I have denoted what I believe each of these directories possesses (e.g., Model forecasts, Initial conditions, Observations and Free space for example).

The majority of all data falls into two categories and those are forecasts (~2805G) and initial conditions (~1745G). The total amount designated as Observations is 512Gigs and total free space on all discs is (~692G).

Things to consider:

Perhaps we could consider after performing all forecasts for a given period of interest (e.g., TOGA-COARE, for example), all initial condition data (raw and processed for model ingest) should be migrated to NERSC for long term storage. This could potentially save hundreds of Gigabytes of disc space.

Of some concern is that all data that exists on any /scratch/captdata\*/ directory are not backed-up and vulnerable to loss. Are there any data that are irreplaceable that exist on these discs?

I have taken the liberty to note (via placing two astericks by a name) the directories that could be considered for immediate deletion.

The ever elusive “mf\_backup” (aka Mike Fiorino’s directory backup) was not found at this high level critique (read: though when found will be deleted).

Below is a list form of all the CAPT data discs, with approximate space shown after each directory. Please let me know if I missed any locations or discs.

### **/pcmdi/CAPT1**

#### Model forecasts

/dat/fc/am2/fa (64G)

/dat/fc/cam/fa (609G)

#### Initial conditions

/dat/fc/ob (111G)

Free space (117G)

### **/pcmdi/CAPT2**

#### Model forecasts

/dat/fc/cam/fa (84G)

/dat/fc/cam/molts (2.1G)

/dat/fc/cam/post (7.5G) \*\*

/dat/fc/cam/xietest (74G) \*\*

/dat/fc/r2/ba/ (71G) \*\*

#### Initial conditions

/dat/ic (39G)

/dat/ob/R2 (14G)

#### Observations

/dat/ob/Obs\_precip/ (1.4G)

/dat/ob/bnl\_mergedsounding (1.3G)

/dat/ob/d1 (207G)

/dat/ob/era40 (145G)

/dat/ob/ncep (154G)

Free space (0.0G)

### **/pcmdi/CAPT3**

#### Initial conditions

/dat/ob/dao (109G)

/dat/ob/era40 (726G)

/dat/ob/r1 (6.6G)

/dat/ob/ncep (34G)

/dat/ic (12G)

#### Observations

/dat/ob/arm (2.4G)

/dat/ob/precip (1.3G)

Free space (12G)

### **/scratch/captdata2**

Model forecasts

/MMF\_disc2/2000 (140G)

/MMF\_disc2/2001 (139G)

/MMF\_disc2/Manus\_h1/ (84G)

/MMF\_disc2/Nauru\_h1/ (81G)

Initial conditions

/dat/ob/ncep (551G)

/dat/ob/ECMWF (16G)

/dat/ob/era (6.7G)

/dat/ob/EPIC (3.7G)

/dat/ob/TRMM (2.1G)

Free space (23G)

### **/scratch/captdata3**

Model forecasts

/dat/fc/cam/ (700G)

/satellite\_data/ (163G)

/zhang25\_tapes/ (9.4G)

/PNL\_disc1/ (46G)

Initial conditions

/dat/ob/era40/ (26G)

/dat/ob/ncep/ (19G)

/dat/ob/nudgingFromStorage/ (19G)

/dat/ob/ECMWF/ (13G)

/dat/ob/dao/ (3.3G)

Free space (59G)

### **/scratch/captdata4**

Model forecasts

/PNL\_disc1/MMF/ (531G)

Initial conditions

/dat/ob/GFS/ (34G)

Free space (481G)

