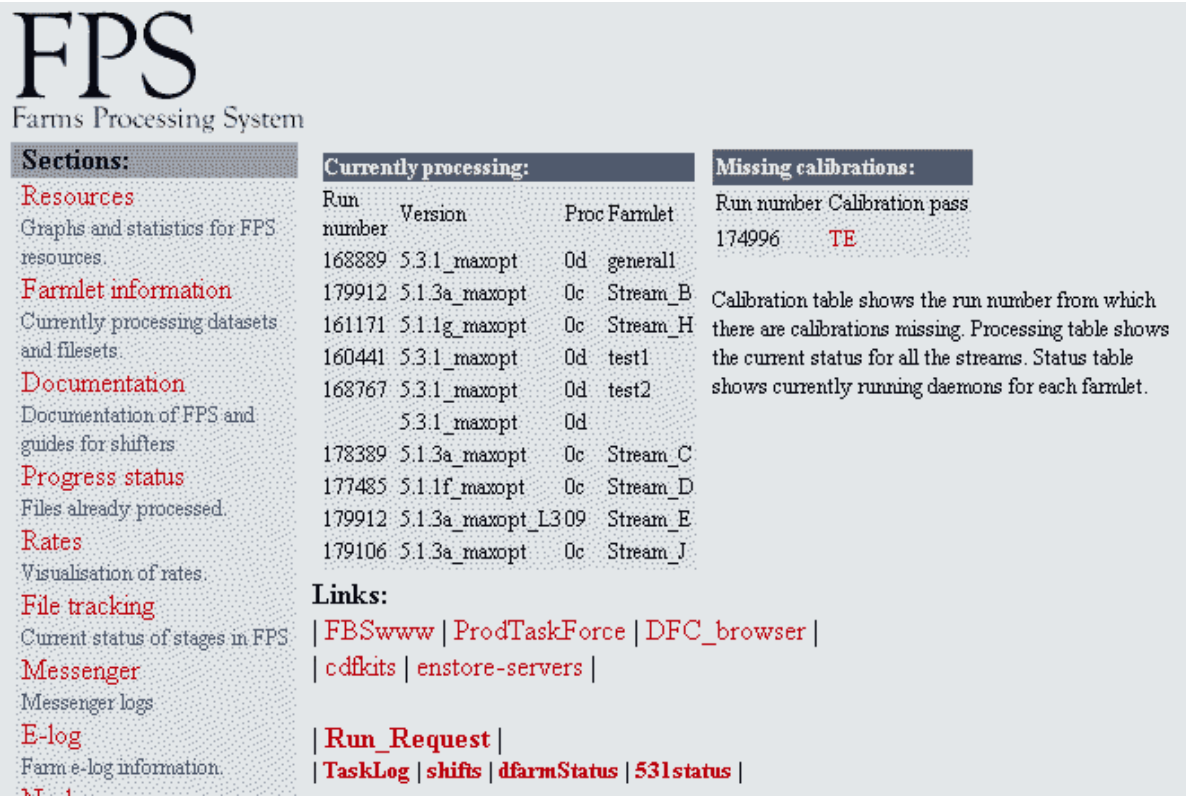
5.3.1 reprocessing on the farm

Find our minute update @ http://fnpcc.fnal.gov



FPS

Farms Processing System

Sections:

Resources
Graphs and statistics for FPS resources.

Farmlet information
Currently processing datasets and filesets.

Documentation
Documentation of FPS and guides for shifters

Progress status
Files already processed.

Rates
Visualisation of rates.

File tracking
Current status of stages in FPS

Messenger
Messenger logs

E-log
Farm e-log information.

Currently processing:

Run number	Version	Proc	Farmlet
168889	5.3.1_maxopt	0d	general1
179912	5.1.3a_maxopt	0c	Stream_B
161171	5.1.1g_maxopt	0c	Stream_H
160441	5.3.1_maxopt	0d	test1
168767	5.3.1_maxopt	0d	test2
	5.3.1_maxopt	0d	
178389	5.1.3a_maxopt	0c	Stream_C
177485	5.1.1f_maxopt	0c	Stream_D
179912	5.1.3a_maxopt_L3	09	Stream_E
179106	5.1.3a_maxopt	0c	Stream_J

Missing calibrations:

Run number	Calibration pass
174996	TE

Calibration table shows the run number from which there are calibrations missing. Processing table shows the current status for all the streams. Status table shows currently running daemons for each farmlet.

Links:

| FBSwww | ProdTaskForce | DFC_browser |
| cdfkits | enstore-servers |

| **Run_Request** |
| **TaskLog** | **shifts** | **dfarmStatus** | **531status** |

2004-03-25
Suen for the farmers

5.3.1 re-processing dataset status

Status as of 00:00, 24-Mar-2009

The following is the processing status of the prioritized list of datasets to be processed, and the status of the corresponding output datasets.

|key: all files on tape, all files processed, processing, pending|

------ input dataset --------			--- output dataset ---			
ID	description	nfiles	ID	description	nfiles	comments
bhalhc	orGo_pt_electrons	5100	bhalhd	orGo_pt_electrons	5100	
bhmuhc	orGo_pt_muons	504	bhmuhd	orGo_pt_muons	504	
q|t2hc	met_5h	1613	q|t1hd	met_2h	1616	
|pmmhc	mphtmumu	2628	|pmmhd	mphtmumu	1852	fixing missing file problem. excludes 0x2h.
			xpmmhd	mphtmumu_compressed	1882	fixing missing file problem. excludes 0x00.
cph1hc	orGo_et_photons		cph1hd	orGo_et_photons		proceed after splitting test
			cph3hd	photons_gmet		
			cph6hd	photons_calo		
q|t4hc	met_1hh	534	q|t4hd	met_1hh	534	
q|t1hc	met_2h	5271	q|t1hd	met_2h	5271	
q|t3hc	met_3h	461	q|t3hd	met_3h	461	
cph2hc	photon_photons		cph2hd	photon_photons		proceed after splitting test
			cdlphd	orphotons		
qratHc	hunmet	751	qratHd	hunmet	751	
bipchc	jetons_calo	3535	bipchd	jetons_calo	3535	
bmchhc	muons_calo	3458	bmchhd	muons_calo	3458	
bpathc	plug_electrons	1663	bpathd	plug_electrons	1663	
qrbthc	minbias	2352	qrbthd	minbias	2351	
amathc	met	1354	amathd	met	1354	
|bathc	o_electrons	|bathd	o_electrons		
			xbathd	o_electrons_compressed		
|bmuhc	o_muons	|bmuhd	o_muons	854	
			xbmuhd	o_muons_compressed	0	
atauhc	tau	868	atauhd	tau	868	
atlphc	tau_jetons	2886	atlphd	tau_jetons	2886	|mixed test|
ahlghc	orGG3_multi_met		ahlghd	orGG3_multi_met		
adllhc	hubt_orjetons		adllhd	hubt_orjetons		
atbbhc	t_bb		atbbhd	t_bb		
ab|thc	orGo_pt_met		ab|thd	orGo_pt_met		
qdlfhc	orrtnactive		qdlfhd	orrtnactive		
qm||hc	ormet_mass		qm||hd	ormet_mass		
q|thhc	met2h_central		q|thhd	met2h_central		
q|tchc	met_calo		q|tchd	met_calo		
q|tlhc	met_5tlh		q|tlhd	met_5tlh		
q|thhc	met_5t5		q|thhd	met_5t5		
qp||hc	plug_gmet		qp||hd	plug_gmet		
qcrthc	tenu_gral		qcrthd	tenu_gral		
bmubhc	muon_gmu		bmubhd	muon_gmu		
|bmmhc	o_gmuons	|bmmhd	o_gmuons		
			xbmmhd	o_gmuons_compressed		
|zathc	o_gamm	|zathd	o_gamm		
			xzathd	o_gamm_compressed		
|paahc	mphtee	|paahd	mphtee		
			xpaahd	mphtee_compressed		
note: a fraction of o stream may need to be processed from raw data						
hbathc	o_gamma		hbathd	o_gamma		
hbhdhc	o_gammmet		hbhdhd	o_gammmet		
hbpphc	o_pepe		hbpphd	o_pepe		
o stream input datasets for 0x2h running period:						
	bmu					
	bal					

Inventory on Rick's Production Task Force page

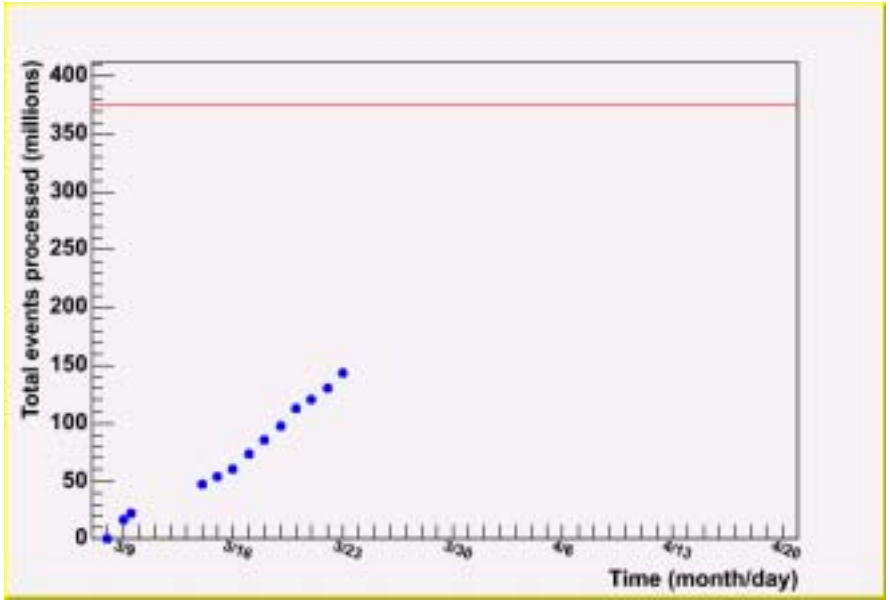
started on Mar 09

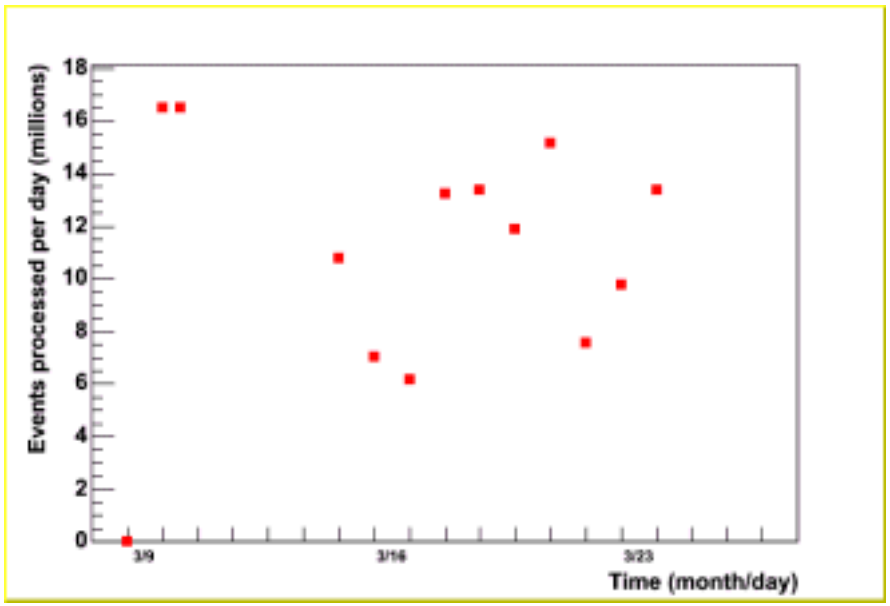
← we are here

Statistics updated every hour

```
Wed Mar 24 22:41:08 CST 2004

statistics counted for
    today :   2004-03-24  00:00:00 to  2004-03-24 22:40:01
 last day :   20040323    00:00 to 24:00


                Statistics of reprocessing with EXE:    5.3.1_maxopt
==============================================================================================

                            record of 0c                    0d input-record    0d output record
  dataset                 to be processed                   input-processed ->    output-logged

                                            last day      today      total              logged

  bhel0c num. of events :       15562512            0          0   15562512   bhel0d   15565612
         num. of files  :           3109            0          0       3109                3109
         file sizes (GB):        3073.19         0.00       0.00    3073.19             2174.63

 etau0c num. of events :        4084204       128558          0    4084204   etau0d    4085069
        num. of files  :            869           36          0        869                 869
        file sizes (GB):         853.38        30.56       0.00     853.38              595.50

 etlp0c num. of events :       10148508      7468511      67809   10148508   etlp0d   10149526
        num. of files  :           2096         1553         16       2096                2096
        file sizes (GB):        2069.36      1526.12      15.66    2069.36             1464.01

 jbmu0c num. of events :       13076173      5779572    5310744   11090316   jbmu0d    8193432
        num. of files  :           2844         1233       1173       2406                1763
        file sizes (GB):        2817.45      1228.83    1155.76    2384.59             1198.27

 jbel0c num. of events :       24260117            0     307254     307254   jbel0d          0
        num. of files  :           5095            0         63         63                   0
        file sizes (GB):        5085.24         0.00      63.32      63.32                0.00

-------------------------------------------------------------------------------------------

 Total events       :         175900704     13381212    6595430  150205945           155547002
 Total num. of files:             35381         2823       1424      29957               31027
 Total file size(GB):          35017.79      2786.55    1400.31   29611.00            20587.39
```

Mar 23, a record 2.8 TB throughput



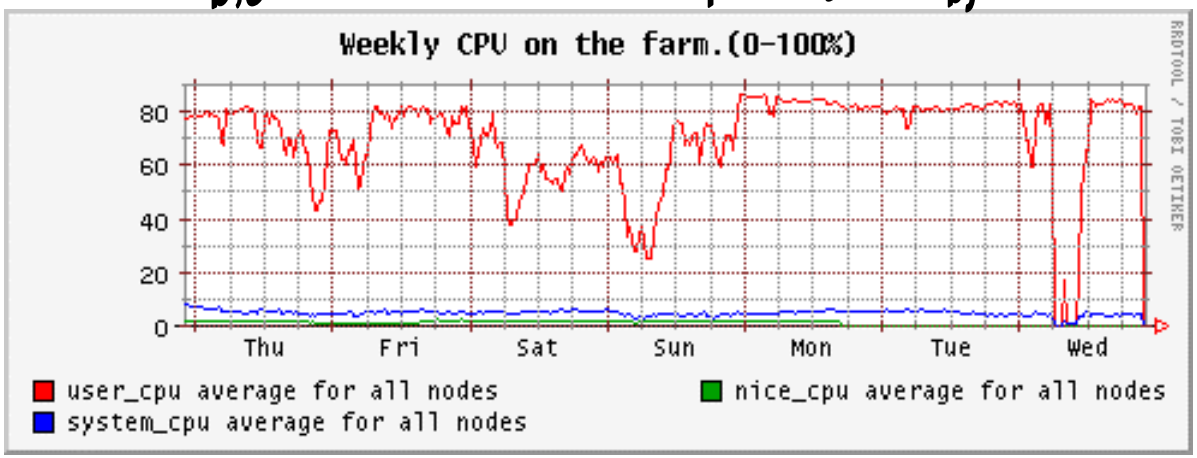


av. throughput
10 M events
2 TB/day

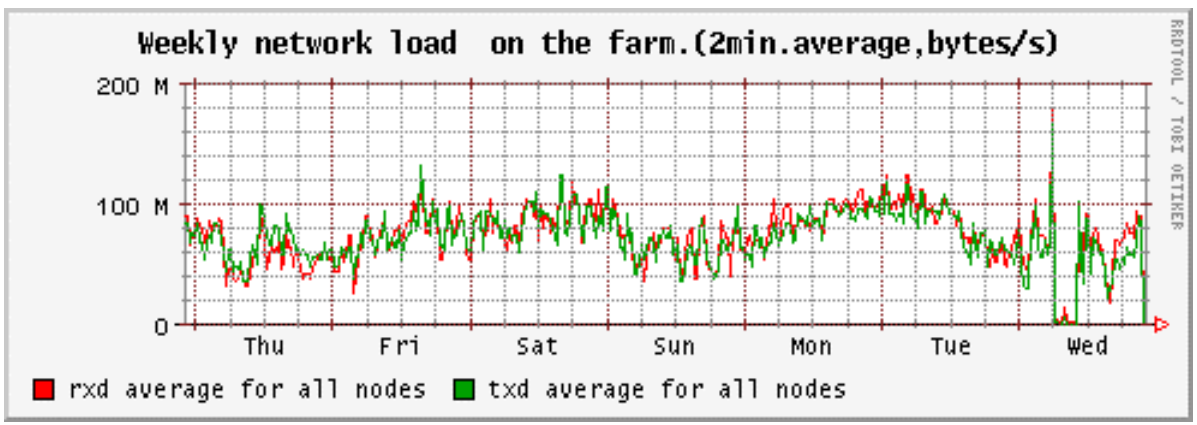
40% in 2 weeks

Performance this week

b,g stream mini bias miss Et tau bj lepton



CPU

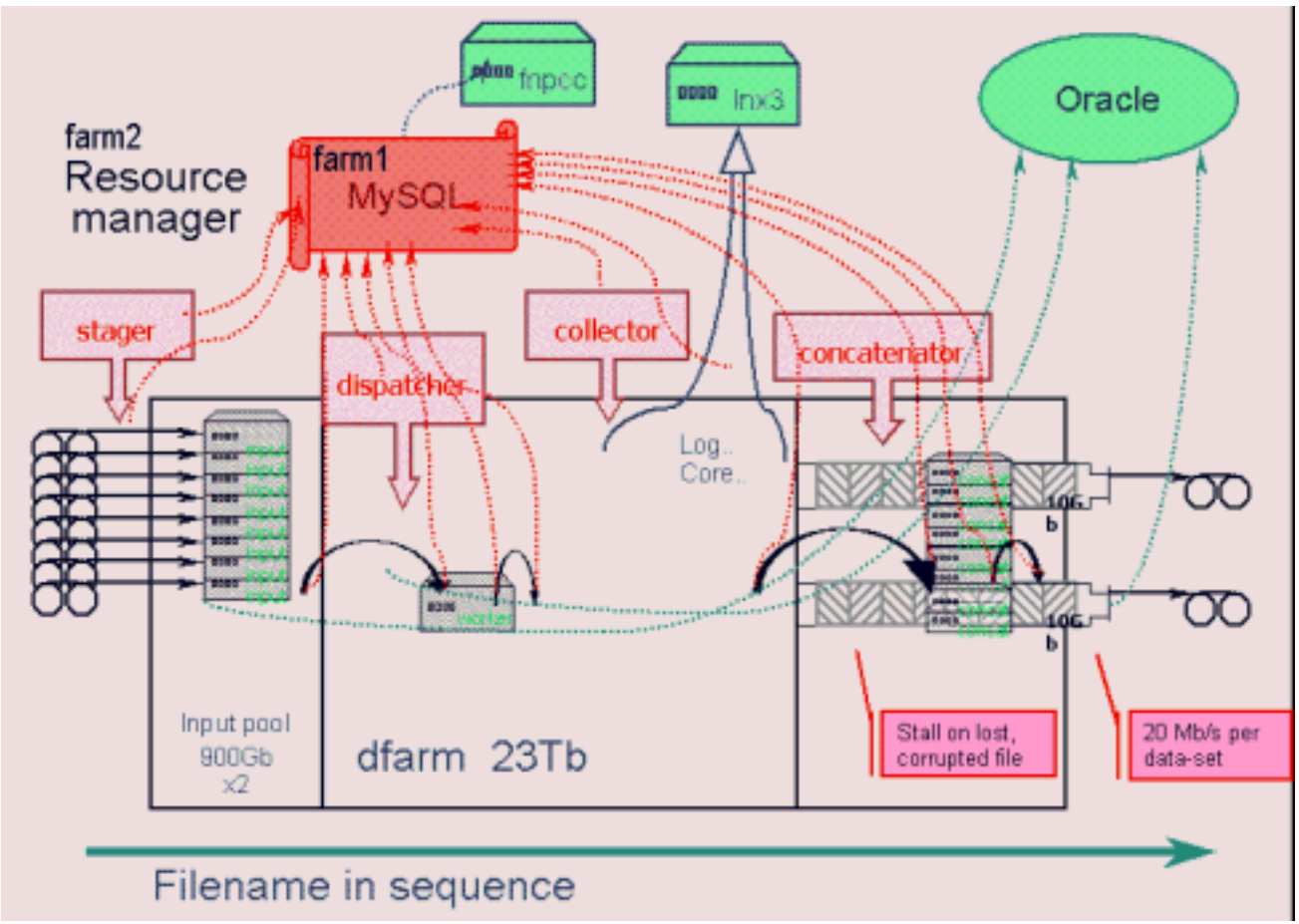


Traffic

Farm resource:

8 stagein Glink
300 CPU
11 stageout Glink

Constantly allocating
4~5 Enstore movers



Summary

- Single-stream has been stable on 2 TB/day, depending on CPU/event
- Multiple-stream may take extra time experiencing TCL