10:12:08 AM Rob Harrington: I tried to run pathena last night...
10:12:18 AM Rob Harrington: I couldn't find the AtlasPolicy or other packages,
10:12:30 AM Rob Harrington: is this what Srini was referring to in his email yesterday
10:12:32 AM Rob Harrington: ?
10:12:54 AM Hong Ma: I don't think so... how do you set up your env?
10:13:13 AM Rob Harrington: I followed the instructions which have everything in the requirements file... method 1
10:13:54 AM Rob Harrington: But I didn't set an environmental variable for the PATHENA_GRID_SETUP_SH
10:14:09 AM Hong Ma: what's your CMTPATH?
10:14:22 AM Hong Ma: I don';t think you need PATHENA stuff yet.
10:14:31 AM Rob Harrington: it's very long...
10:15:08 AM Rob Harrington: the first bit is: /usatlas/u/roberth/work/13.0.25_test:/opt/usatlas/kit_rel/13.0.25/Atlas Point1/13.0.25.4:/opt/usatlas/kit_rel/13.0.25/AtlasOffline/13.0.25
10:16:02 AM Rob Harrington: It compiled in my area, but when the job tried to recompile everything, that's when it couldn't find AtlasPolicy or other packages
10:16:42 AM Hong Ma: what do you mean by "when the job tried to..."
10:16:48 AM Hong Ma: in the script?
10:17:17 AM Hong Ma: you need to set up everything exactly in the script in the exactly the way to set up for interactive session.
10:17:43 AM Rob Harrington: I just used the standard pathena script, didn't modify anything
10:18:10 AM Rob Harrington: pathena copies the directories over, does cmt bro cmt config and cmt bro gmake, and it is here that I get complaints
10:18:26 AM Rob Harrington: it's not actually a compilation problem but cmt not being able to find packages it needs
10:19:10 AM Hong Ma: pathena does not work for the commissioning tasks yet.
10:19:22 AM Hong Ma: because it needs to deal with AtlasPoint1.
10:19:49 AM Rob Harrington: ok... I'll wait then
10:19:52 AM Rob Harrington: thanks
1:54:06 PM Kevin Black: there are a few developments
1:54:17 PM Jim Shank: good, do tell
1:54:49 PM Kevin Black: (1) there are some new tags – one to update the mdt cabling map and another to protect against a crash in the raw data converter
1:54:59 PM Kevin Black: these have been tagged and tested
1:55:03 PM Kevin Black: and will go in tonight
1:55:43 PM Kevin Black: i guess they are making nightly kits? but we can

still check them out ourselves

1:56:16 PM Kevin Black: (2) there were a number of new runs last night , they are linked off the page I liked to

1:56:30 PM Jim Shank: yes, I think ShuWei is keeping up with installing the nightly kits at BNL

1:57:54 PM Kevin Black: (3) they agreed to put new t0's into the database

1:58:24 PM Kevin Black: i am not sure how slow the turn around will be – i can get them from Joao and hack them in like we did with M3 if needed

2:03:33 PM Jim Shank: Ok, thanks Kevin. Our the runs you are talking about from last night, the ones > 20301?

2:03:49 PM Jim Shank: that should be our==> are!

2:14:20 PM Kevin Black: yeah – 20301, 20304, 20305,20306,20307

2:14:42 PM Jim Shank: ok good, thanks

2:34:59 PM Kevin Black: by the way Jim, do you know who the right person to complain about:

2:35:01 PM Kevin Black: http://alxr.usatlas.bnl.gov/

2:35:06 PM Kevin Black: server is

2:35:21 PM Kevin Black: one use to be able to look at the "current" code

2:35:31 PM Kevin Black: now that is no longer an option

2:36:24 PM Jim Shank: I seem to recall a discussion about this, but let's ask Torre.. I'll see if I can get him to join.

2:37:24 PM Jim Shank: Torre's coming

2:37:36 PM Kevin Black: k

2:37:59 PM Torre Wenaus: hello

2:38:02 PM Kevin Black: Hi

2:38:04 PM Jim Shank: Kevin, can you re-send that msg forTorre

2:38:08 PM Kevin Black: I had a question about the lxr server

2:38:13 PM Kevin Black: http://alxr.usatlas.bnl.gov/

2:38:20 PM Kevin Black: used to have an option to view "current"

2:38:31 PM Kevin Black: which meant that I could see not only the code that was tagged with a release

2:38:42 PM Kevin Black: but also packages and versions that were not tagged – but were in cvs

2:38:52 PM Kevin Black: well were tagged

2:38:55 PM Torre Wenaus: alex eliminated that because of the prohibitive time it was taking to build the search index. Because there is so much crap in ATLAS CVS head.

2:38:57 PM Kevin Black: but not collected

2:39:14 PM Kevin Black: hmm

2:39:20 PM Torre Wenaus: When building for specific releases, he can build only the stuff in the release, avoiding the crap.

2:39:40 PM Torre Wenaus: what is it you want to see

2:40:05 PM Kevin Black: well i can always go to the "view cvs"
2:40:10 PM Kevin Black: pages
2:40:29 PM Kevin Black: its just that things are not as nicely licked by clicking
2:40:33 PM Kevin Black: its not a big deal
2:40:45 PM Kevin Black: but i was curious if there was a reason to remove this or not
2:42:46 PM Kevin Black: i did find it to be useful myself, but its not critical
2:45:25 PM Torre Wenaus: I'll let him know that some people miss the feature
2:47:05 PM Jim Shank: is there a way we can compromise--keep some crap areas out and let in good areas of CVS?
2:47:41 PM Torre Wenaus: that's what I did in mine when I ran lxr myself, I had a subset of packages that I included. I'm suggesting that to Alex.
2:47:56 PM Jim Shank: good
2:48:32 PM Jim Shank: Kevin, I presume it is the new commissioning code for muons you are most interested in?
3:12:53 PM Torre Wenaus: On lxr, Alex says he needs new hardware, promised by ACF months ago but we still don't have it. He is renewing hte request.
3:13:31 PM Jim Shank: Is Michael Ernst seeing this request?
3:15:16 PM Torre Wenaus: I just sent it to Michael
3:15:24 PM Jim Shank: good
4:03:28 PM Rob Harrington: Is there a way to get the versions of packages used to generate ESDs that we're getting at the T2 and the jobOptions used?
4:04:09 PM Rob Harrington: Since the versions (and maybe jobOptions) are changing daily, this might be important
4:05:55 PM Jim Shank: the link: M4 reco at the T0 from out Twiki has some info, but not the detail you asked
4:06:07 PM Jim Shank: You'll probably have to ask Armin or Luc
4:06:33 PM Jim Shank: Kevin may know, but he seems to be away at the moment...
4:06:46 PM Srini Rajagopalan: I am sure that this information is probably in the jobHistory.. but not sure if it is turned on.
4:06:57 PM Srini Rajagopalan: You may want to check with Paolo or Charles Leggett.
4:07:05 PM Srini Rajagopalan: wait, I am dialing..
4:07:56 PM Srini Rajagopalan: They are still in Jupiter
4:08:47 PM Jim Shank: I guess this begs the question: where are the log files for the T0 jobs that make the ESDs?
4:09:03 PM Rob Harrington: that was the next question

4:09:27 PM Hong Ma: I asked the question to Walter, I will forward you the answer.
4:09:40 PM Jim Shank: The link I mentioned gives the location of the ESD, etc, check to see of the logs are "nearby"
4:09:51 PM Rob Harrington: I'll check....
4:10:06 PM Srini Rajagopalan: can you add the link to the Wiki page..
4:10:30 PM Rob Harrington: That was a link in the wiki page.
4:10:49 PM Srini Rajagopalan: ok, good.
4:10:50 PM Jim Shank: It is on the Wiki, under " M4 reco at the T0"
4:11:52 PM Hong Ma: Question: What exactly is the jobOpt used for Tier0 processing?
4:12:35 PM Hong Ma: Answer: They are repeated in the beginning of the log file.see eg.
4:13:00 PM Hong Ma: /castor/cern.ch/grid/atlas/t0/temp/M4cosmics/0019783/recon.log/M4.0 019783.Default.L1TT- b00000001.RAW.v13002503.part0012.recon.task._lumi0000.job.TMP.lo g.3
4:14:43 PM Jim Shank: Actually, it does say that (the logfile loc) on the T0 Twiki
4:25:57 PM Kevin Black: ok So Ed Diehl just told me that he has loaded the preliminary t0s into the database. I guess tomorrow Monica will put these into the production database
4:27:21 PM Rob Harrington: Did he take a stab at EC tzeros?
4:27:39 PM Srini Rajagopalan: Does this get replicated here?
4:28:12 PM Hong Ma: If it goes to the oracle db, it will be replicated to BNL.
4:28:54 PM Rob Harrington: Did he give you the database version so we can make sure we get the right one?
4:28:55 PM Hong Ma: but you need to switch to use BNL oracle DB (instead of sqlite).
4:29:21 PM Hong Ma: What db do you use now, when running at BNL?
4:30:56 PM Kevin Black: yes these were for the BWC endcap chambers
4:31:06 PM Rob Harrington: I'm using the replica
4:31:15 PM Hong Ma: sqlite replica?
4:31:15 PM Kevin Black: i am using the extra lines that you have in the instructions – so the replica I believe
4:31:33 PM Hong Ma: ok, then it is the oracle replica
4:31:40 PM Rob Harrington: I'm using the oracle replica
4:31:53 PM Kevin Black: PoolSvc=Service("PoolSvc")
PoolSvc.SortReplicas=True
DBReplicaSvc=Service("DBReplicaSvc")
DBReplicaSvc.UseCOOLSQLite=False

4:31:56 PM Hong Ma: cool...
4:32:05 PM Rob Harrington: which db are the tzeros in?
4:32:32 PM Kevin Black: I think they are in the devdb10 now
4:33:05 PM Kevin Black: then Monica will put it into the production database (which I think is oracle)
4:33:14 PM Kevin Black: then it gets replicated with both oracle and sqlite?
4:33:57 PM Rob Harrington: Is it in COMP200 or do I need ALLP200?
4:35:40 PM Hong Ma: ALLP200 is sqlite that includes everything except COMP200.
4:35:51 PM Hong Ma: for commissioning job, it should be all COMP200.
4:36:18 PM Rob Harrington: ok.. thanks. I verified that I accessed the oracle replica of COMP200 properly.
4:36:48 PM Rob Harrington: But it's part of the kit, right?
4:37:02 PM Hong Ma: ALLP200 is part of the kit,
4:38:08 PM Hong Ma: I believe COMP200 is not in the kit. There is an sqlite version on CERN AFS, but that is updated daily.
4:40:07 PM Kevin Black: hong, regarding a few tags that are needed
4:40:16 PM Kevin Black: Jochem has tagged a couple fixes
4:40:28 PM Kevin Black: they will become part of the nightly builds tonight I believe
4:40:37 PM Kevin Black: is there a nightly kit that we will be using?
4:41:01 PM Hong Ma: is it in the 13.0.30 bugfix nightly?
4:41:18 PM Kevin Black: it should be – i can check
4:41:40 PM Hong Ma: We do have 13.0.30 bugfix nightly, available around noon everyday.
4:41:53 PM Kevin Black: ok
4:42:04 PM Kevin Black: if its not we can always check it out from here anyway
4:42:44 PM Hong Ma: But aren't you using 13.0.25.N?   Are your tags not going to 13.0.25.N?
4:43:17 PM Kevin Black: i will have to check with Jochem
4:43:37 PM Kevin Black: i had just checked out the tag and run with it
4:47:20 PM Kevin Black: ok
4:47:43 PM Kevin Black: so assuming we get everything we need tomorrow – what would you like to take a look at Rob?
4:47:53 PM Kevin Black: The obvious things are:
4:48:01 PM Kevin Black: occupancy, noise, ADC, TDC
4:48:04 PM Kevin Black: segments:
4:48:15 PM Kevin Black: distribution, residuals, hits on segments
4:48:28 PM Kevin Black: the same for tracks
4:49:02 PM Rob Harrington: That sounds like a good start.

4:49:09 PM Rob Harrington: I was going to start with hits right away.
4:49:28 PM Rob Harrington: Is there really a chance of having tracks tomorrow?
4:49:47 PM Kevin Black: well – the resolution will probably not be very good
4:50:12 PM Kevin Black: but looking at some of the event displays we should be able to see some tracks in principle
4:50:39 PM Kevin Black: probably the mdt hits will be blown up to "tube hits" so that the error is diameter/sqrt(12)
4:50:50 PM Kevin Black: but they saw tracks in M3
4:51:00 PM Kevin Black: not high quality
4:51:37 PM Kevin Black: more proof of principle
4:51:44 PM Rob Harrington: I can make some histograms on the ESDs rather easily.
4:52:15 PM Rob Harrington: So I should be able to do that tomorrow... the simple plots for hits and tracks.
4:52:40 PM Kevin Black: ok, so if we get the t0s maybe we can produce some ESDs and you can try that
4:52:49 PM Kevin Black: I can look at the calibration ntuples
4:53:23 PM Rob Harrington: ok... let's coordinate the production of ESDs and ntuples, because they can be done together.
4:54:28 PM Rob Harrington: or do you want to use the ESDs and ntuples coming out of the T0?
4:54:41 PM Kevin Black: We should try to use the ones here
4:55:16 PM Rob Harrington: That's what I meant.. the ones already produced and stored at T1.
4:55:53 PM Rob Harrington: I'll brb.. want to see what John was planning on doing.
4:56:07 PM Kevin Black: hmm I thought the idea was to use ESDs reconstructed elsewhere than CERN
5:07:29 PM Jim Shank: The idea is to do things remotely. At first, we can run at BNL on ESD shipped over from the T0
5:07:46 PM Jim Shank: but we should eventually re-reconstruct at BNL and produce new ESD
5:28:09 PM Hong Ma: I noticed all interactive machines are super busy..
5:28:37 PM Jim Shank: doing what?
5:29:46 PM Hong Ma: Most are people running jobs, except on acas0008, I see Kevin's two gdb running for incredibly long...
5:30:11 PM Hong Ma: Kevin, can you take a look? probably run-away debugging sessions
5:30:48 PM Hong Ma: 15285 black   25   0 94176 852 836 R 100 0.0 347260:46 gdb
5:32:45 PM Hong Ma: 347260 minutes = 241. days... really?

5:33:08 PM Jim Shank: lots of bugs!
5:38:13 PM Kevin Black: oh
5:38:44 PM Kevin Black: so i tried to produce simulated events
5:38:49 PM Kevin Black: so i generated 10K events
5:38:54 PM Kevin Black: and then started the simulation
5:40:44 PM Kevin Black: sorry
5:40:48 PM Kevin Black: something else entirely
5:40:50 PM Kevin Black: i killed it
5:43:55 PM Hong Ma: I realized these machines must have 4 CPUs now...
so they are not that overloaded yet.
5:44:11 PM Kevin Black: odd – why did they stay around
5:44:18 PM Hong Ma: Kevin, there is another one on acas0002
5:44:39 PM Hong Ma: Do you remember what you did 241 days ago?
5:45:12 PM Kevin Black: do i remember what i did 2 days ago?
5:45:23 PM Kevin Black: is that really real time?
5:45:41 PM Hong Ma: thats cpu time, I believe.
5:45:50 PM Hong Ma: anyway, I am out of here... bye
5:45:54 PM Kevin Black: i guess i could have done a nohup and forgot
about it