To: Burst Group
From: Sam Finn
Date: 10/18/01
Re: Burst Group Telecon Minutes

1. In attendance (by institution):
   a. CSUDH: Ganezer
   b. CIT: Blackburn, Marka, Shawhan, Weinstein, Zweizig
   c. LHO: Schofield, Sigg
   d. LSU: Giaime, Daw
   e. MIT: Katsavounidis, Sylvestre, Shoemaker
   f. NWU: Kalogera, Grandclement
   g. Oregon: Leonor, Ito, Rahkola
   h. PSU: Finn
   i. Syracuse: Saulson
   j. UWM: Brady
   k. UTB: Anderson

2. DMT Deep Mine (Saulson, Zweizig)
   a. Overview of deep mine plan
      i. Before E6: planning, run, analysis, evaluation of DMT triggers
      ii. E6
      iii. Iteration with E6 data, final revision of triggers for E7
      iv. E7
   b. Important goal is to develop thresholds in anticipation of runs, and not in “arrears”
   c. Focus of activity originally LLO and LLO channels, but using LHO channels and distributed participation is possible and to be encouraged.
   d. Actions:
      i. Assess amount of spinning media available for DMT at MIT (Shoemaker)
      ii. Assess analysis resources required (Blackburn, Zweizig)
      iii. Determine chain of events to get data to MIT (Shoemaker)
      iv. Integrate with IULGroup Team (Saulson)
v. Meeting of sub-group (Saulson)
vi. Forward information on VNC (Finn)

3. Test and Calibration of DSO
   a. There was an action for DSO authors to produce an appendix to MDC Document describing, for DSO, what works, doesn’t work, what remains to be done, what filter parameters were used and what do they mean, etc.
      i. Slope Filter: Daw’s time involved in microseism investigations; this will consume him for next several weeks. LSU undergrad will be brought onboard as an extra pair of hands.
      ii. TFCluster: Sylvestre will produced report for Weinstein in next week
      iii. Power Statistic: Katsavoundis working on document
   b. Test Plan
      i. Create mini-rds (one gravity wave channel, length ~ 2d)
      ii. Run through the three dso’s, populating the database with fakes and some simulated bursts, generate raw trigger rate, cpu time, etc.
      iii. Tasks:
         1. Generate mini-rds and get them to MIT (getFrames + network and/or tape: Weinstein)
         2. Scripts to set-up and submit the jobs (Shawhan volunteers)
         3. Gather LDAS runtime information on jobs: cpu time, average number triggers, etc., and produce in human readable form (Shawhan volunteered to represent Bursts at MPITeam, which is discussing script writing and extraction of information from logs)
         4. Generate LAL code that will do the necessary timing and statistics accumulation (number triggers, etc.) (Weinstein will summarize in e-mail copy to burst lists ideas on statistics that need to be accumulated, Brady will iterate).
         5. Database analysis to determine fake rates and veto efficacy, and whether dso’s see or don’t see the same things, or are complementary (requires tools and people to use them: suspended until we have tools being developed by Sigg and Ito)

4. Summit
   a. Only available dates are 7–9 December. Likely venue is GSFC; however, this will depend on their ability to host a group of us, including foreign nationals, over a weekend.
   b. Action: Check on status of foreigners and GSFC (Sam)

5. Action: e-mail group asking for prospective attendance (Sam)