8 Pack Schedule
SLED II Goals

- Install most infrastructure needed to run the 8 Pack by 6/2002
- Install components to run the modulator and 2 XP-3 klystrons directly to loads starting July 1st
Conventional Facilities

- Mark floor pedestal layout 2/21, install 5/6-10
- Install floor frame and panels – 5/17-23
  - After modulator tank, cables and piping.
- Install LCW under floor 3/13-4/16.
  Test LCW system 5/14-15.
- Install under floor electrical 3/25 – 5/3
- Install power to modulator & HVPS 4/1-4/16
- Install fire alarm system 5/14 - 28
Infrastructure

- Purchase racks 2/12 – 3/25
- Racks installed 5/8 in ESB
- Install conduit to racks 5/9-15
- Cable plant design final 2/7. Put into CAPTAR 2/27.
- Cable trays installed 3/25 – 4/5
- Cables installed 4/8 – 5/23
XP-3 Klystrons and LLRF

- XP3 #1 tested and ready – 3/15
- XP3 #2 tested and ready – 5/17
- XP3 #3 tested and ready – 8/15

- LLRF control and partial monitor installed 6/27
- Full LLRF monitor installed 8/20
Modulator

- Install Tank & Stand – 4/2 – 4/22
- Install Modulator – 4/22 – 5/21
- Modulator with water loads 5/22-31
- Install XP3 #1 – 6/3-6/7
- Install XP3 #2 – 6/10-6/14
- Power Klystrons, no RF – 6/19 – 7/8
- Power Klystrons with RF to loads – 7/23/02-1/2003
SLED II

- Final RF design 2/28
- Components fabricated 2/1 – 10/1/02
  - Will run into PEP II downtime
- Install only loads 6/19-7/2
- Install basic SLED II 10/1 – 1/23/03
- Install DLDS test components as available
- Run SLED II until June 2004
July Critical Path Items

- Modulator tank and stand
- Klystrons
- Racks installation
- Cable installation
Progress and Problems

• Specifications and designs are nearly complete. Must finish soon.
• July installation schedule is tight but realistic. Completion is dependent on parts being tested now.
• Budget $ have increased, may have to defer some work until 10/2003.
• PEP II and SPEAR 3 are competing for shops resources. Will impact component installation and RF component production.
8 Pack and DLDS Goals

• $ of Klystrons 4-8 released 10/1/02.
• Klystron 4 ready 10/1/03.  #8 ready 6/1/04
• DLDS designed with drawings 7/2002-3/2003
• DLDS components fabricated 1/2003-2/2004
• Install DLDS 11/2003-6/2004
• Start Operations 7/2004