



06/04/12

## *2013 Scheduling & Planning of Instrumentation Projects*

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NIST Center for Neutron Research



# NCNR Expansion Initiative

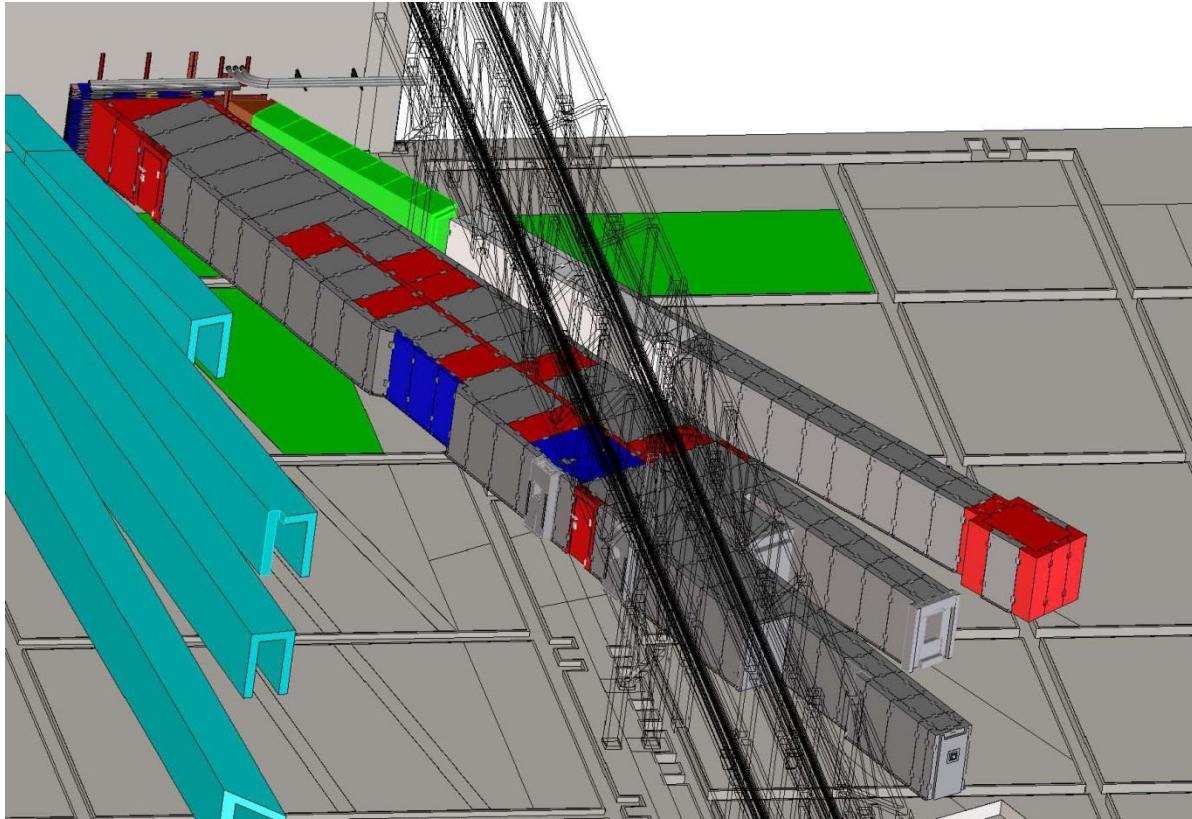


## ● Outline

- Projected Guides And Shield Status: 01/01/2013
- Guide And Instrument Schedule Risk Management
- Projected Instrument Moves In 2013
- Schedule For Instrument Installations: 2013
- December 2013

# NCNR Expansion Initiative

- Projected Guides And Shield Status: 01/01/2013





- Guide And Instrument Schedule Risk Management
  - Re-design Of Guide Element Support Beams So All Work Can Be Done At NIST Machine Shops
    - Eliminates More Variables In Acquisition Process
    - More Flexibility Should A Change In Production Priorities Be Required
  - Guide Lines Installed Months Before Instrument Installation Target Dates
  - Detailed Planning Of Instrument Moves To Minimize Downtime



- Guide And Instrument Schedule Risk Management
  - Identification Of Over-Allocated Resources
  - Predecessors From Individual Project Schedules Linked To Master Summary Schedule
  - Periodic Check Of Individual Schedule Logic To Detect Errors And Anomalies

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- Projected Instrument Moves In 2013
  - 30 meter SANS From NG-3 To NG-Bt
  - aCORN (Fundamental Neutron Physics Experiment) From NG-6 To NG-C
  - Neutron Spin Echo From NG-5 To NG-A
- Reason For Moves Is To Accommodate vSANS On NG-6 In The Future

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## ● Projected Instrument Moves In 2013

### ● 30 meter SANS From NG-3 To NG-Bt

- Move Target Date: February 2013
- Anticipated Instrument Downtime: 1 Reactor Cycle
- Dedicated Project Manager To Facilitate Move And To Coordinate Between All Disciplines Involved.  
(Rodrigo Vilaseca)

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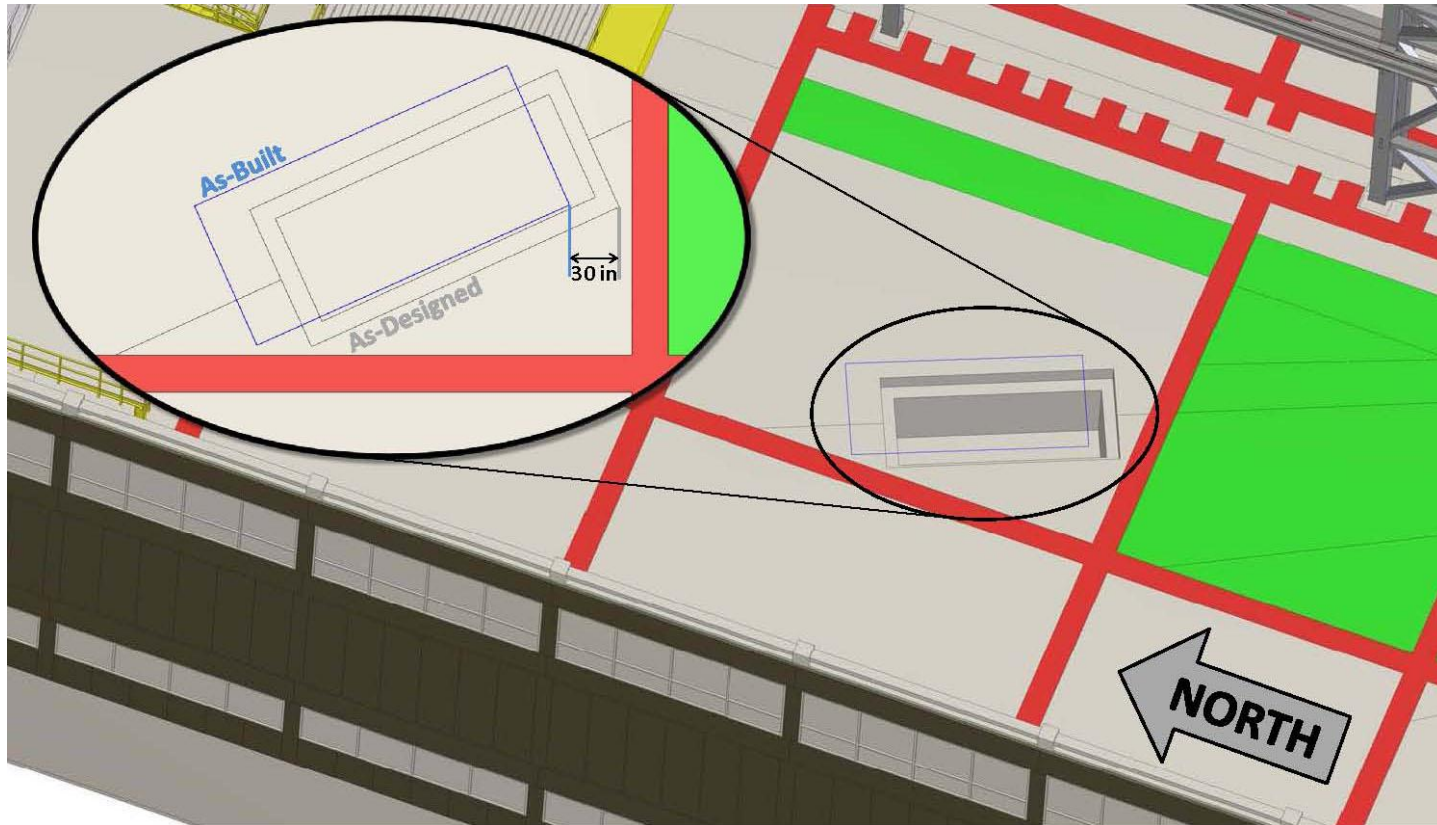


- Projected Instrument Moves In 2013
  - aCORN (Fundamental Neutron Physics Experiment) From NG-6 To NG-C
    - Move Target Date: June 2013
    - Anticipated Instrument Downtime: 2 Reactor Cycles
    - Remediation Of Pit?
      - Pit Installed ~30" North Of Intended Location
      - Center Of Pit Not Coincident With Center Of Sample Area



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## ● Projected Instrument Moves In 2013



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- Projected Instrument Moves In 2013

- Neutron Spin Echo From NG-5 To NG-A

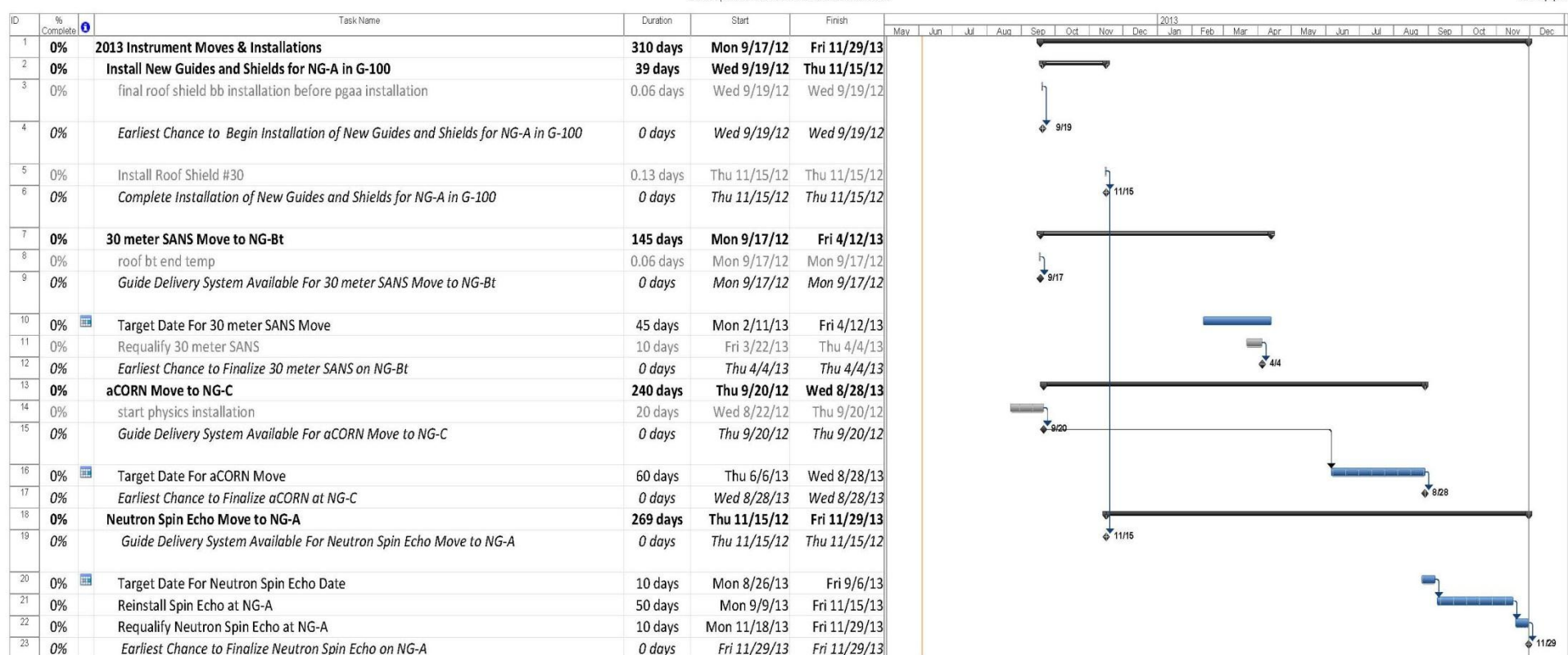
- Move Target Date: September 2013
    - Anticipated Instrument Downtime: 2 Reactor Cycles
    - Dedicated Project Manager To Facilitate Move And To Coordinate Between All Disciplines Involved. (Ed Binkley)

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## Schedule For Instrument Installations: 2013

2013 Expansion Instrument Moves & Installations

Mon 6/4/12



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● December 2013

