RHIC Machine/detector Planning Meeting Final Statistics (5/24/04)

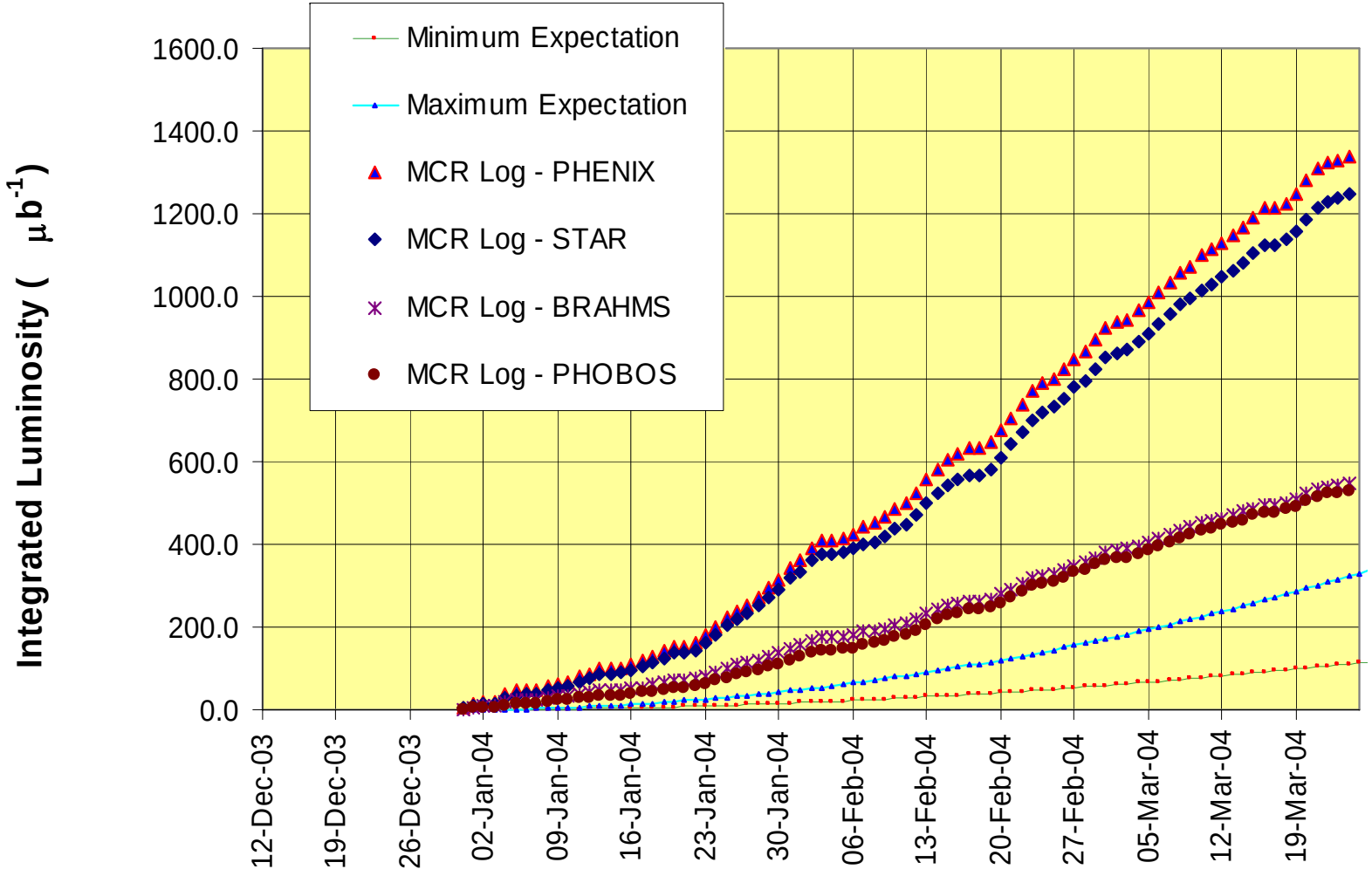
- **Overall (as run)**
  - *15 Nov 03 - Cryo on*
  - *1 Dec 03 – Setup with beam begins*
  - *15 May 04 – RHIC run 4 ends*
  - *20 May 04 – RHIC cryo warm-up complete (26.7 weeks total)*

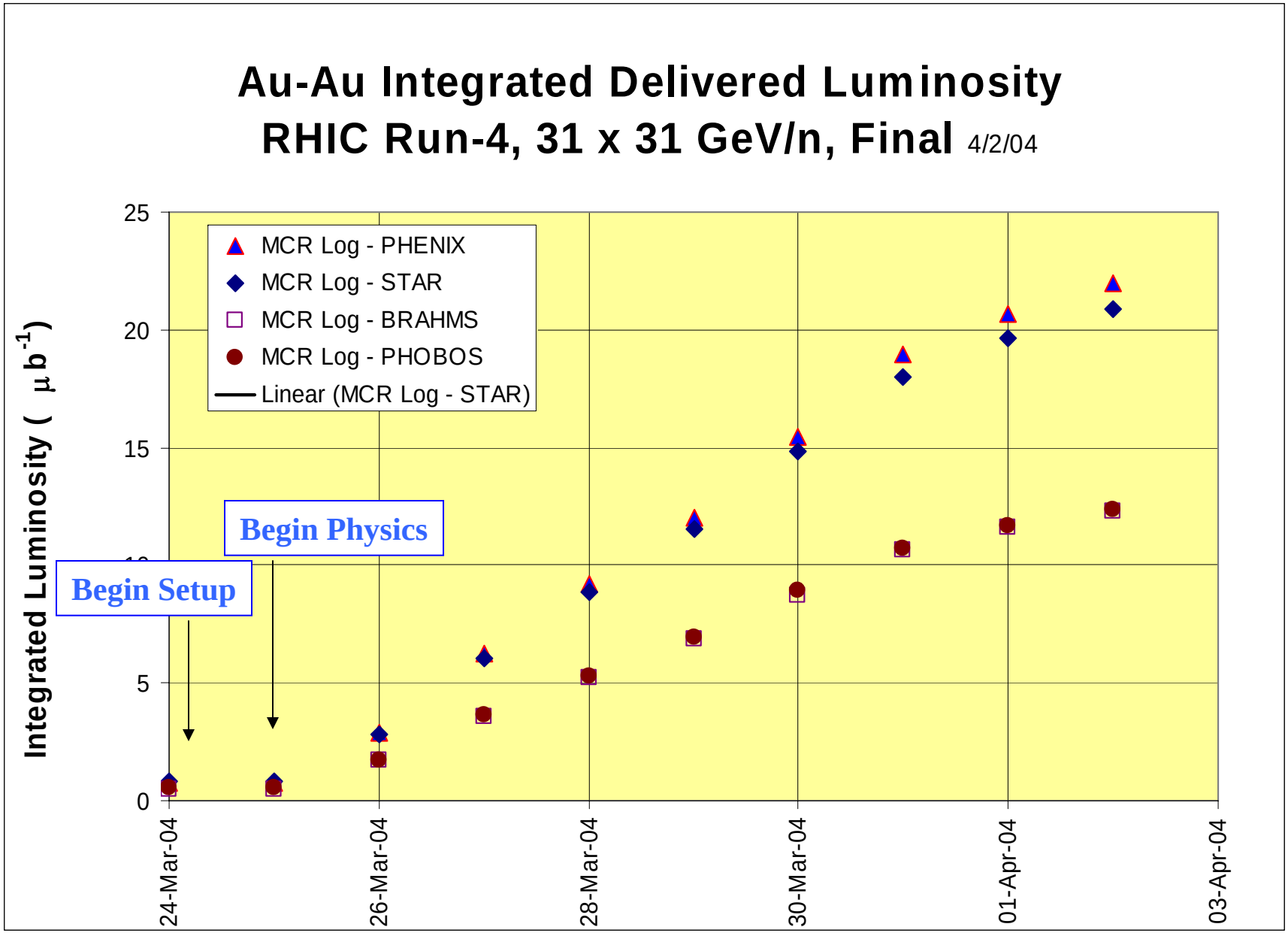
- **Details – as run**
  - 15 Nov 03 – cool down begins
  - 21 Nov 03 – blue ring cold
  - 29 Nov 03 – yellow cold (2.0 weeks cool down)
  - 1 Dec 03 - "2 week" RHIC setup with beam begins (2.0 weeks actual)
  - 15 Dec 03 – "3 week" ramp-up with colliding beams began (2.3 weeks actual)
  - 27 Dec 03 – first RHIC beam experiments (3 hours)
  - 31 Dec 03 – "14 week" physics with 100 GeV/n x 100 GeV/n Au-Au began – 1 week ahead of schedule!
  - Late Jan 2004, 300 μb^{-1} Au-Au integrated luminosity delivered
  - 6 March 2004, 1 nb^{-1} Au-Au integrated luminosity delivered to PHENIX

RHIC Machine/detector Planning Meeting

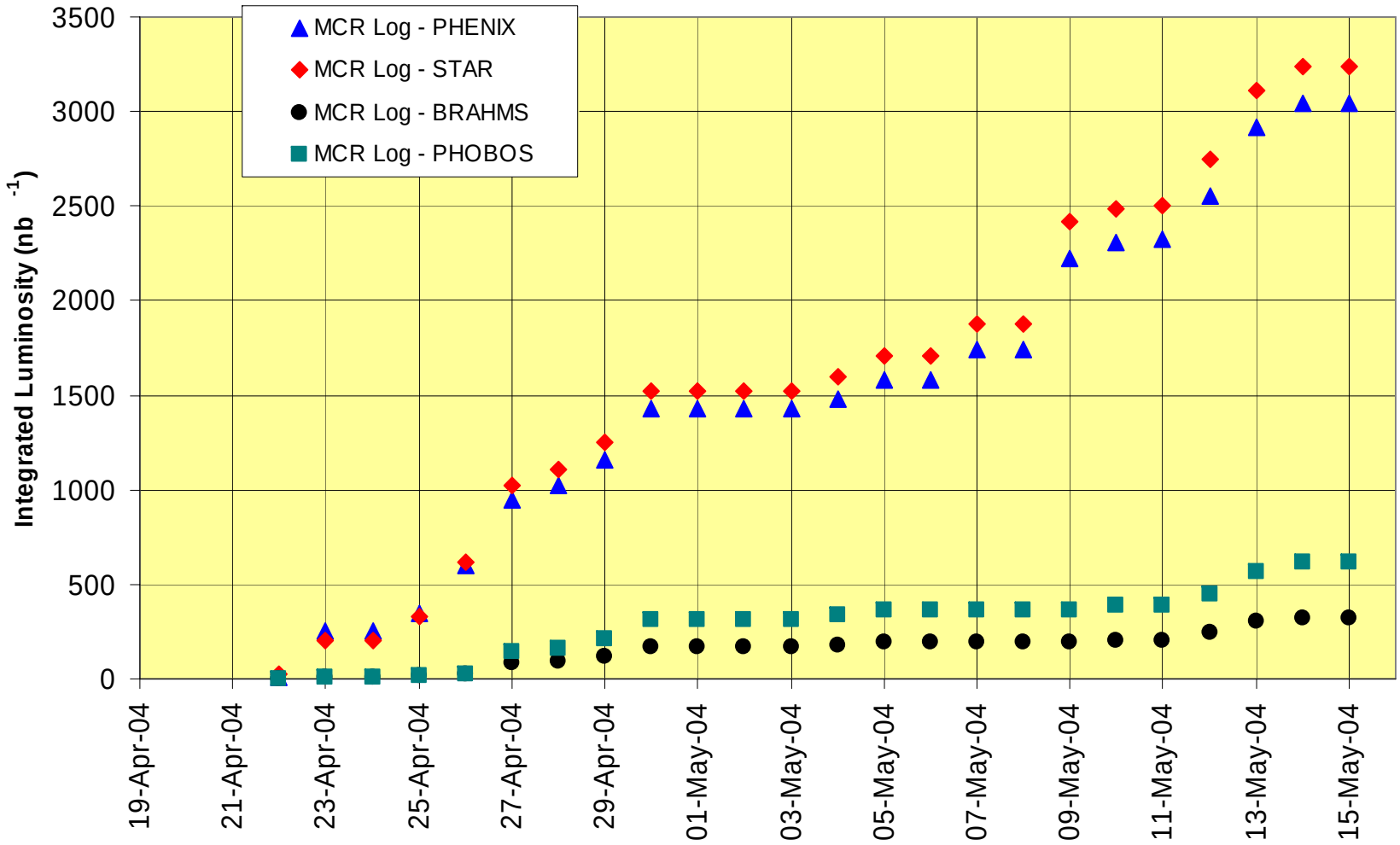
- **Details – as run (cont')**
  - 24 March 04 – end 100x100 GeV/n Au-Au run (physics = 12.0 weeks)
  - 24 March 04 – began setup for 31x31 GeV/n Au-Au.
  - 25 March – 2 April 04, 31x31 GeV Physics Run (1.1 weeks)
  - 2 April 04 – began pp setup in RHIC with beam
  - 5 April 04 – began 3 day shutdown for jet target installation etc.
  - 22 April 04 – Begin limited Physics
  - 6 May 04, funds received for 1 week extension
  - 15 May 04 – pp development run ends (6.1 weeks), RHIC Run 4 ends
  - 20 May 04 – Cryo warm-up complete, 26.7 weeks of RHIC cryo operation ends

Au-Au Integrated Delivered Luminosity
RHIC Run-4, 100x100 GeV/n, Final 3/24/04




Au-Au Integrated Delivered Luminosity
RHIC Run-4, 31 x 31 GeV/n, Final 4/2/04
Integrated Luminosity (μb-1)
25
20
15
5
0
MCR Log - PHENIX
MCR Log - STAR
MCR Log - BRAHMS
MCR Log - PHOBOS
Linear (MCR Log - STAR)
Begin Physics
Begin Setup
24-Mar-04
26-Mar-04
28-Mar-04
30-Mar-04
01-Apr-04
03-Apr-04

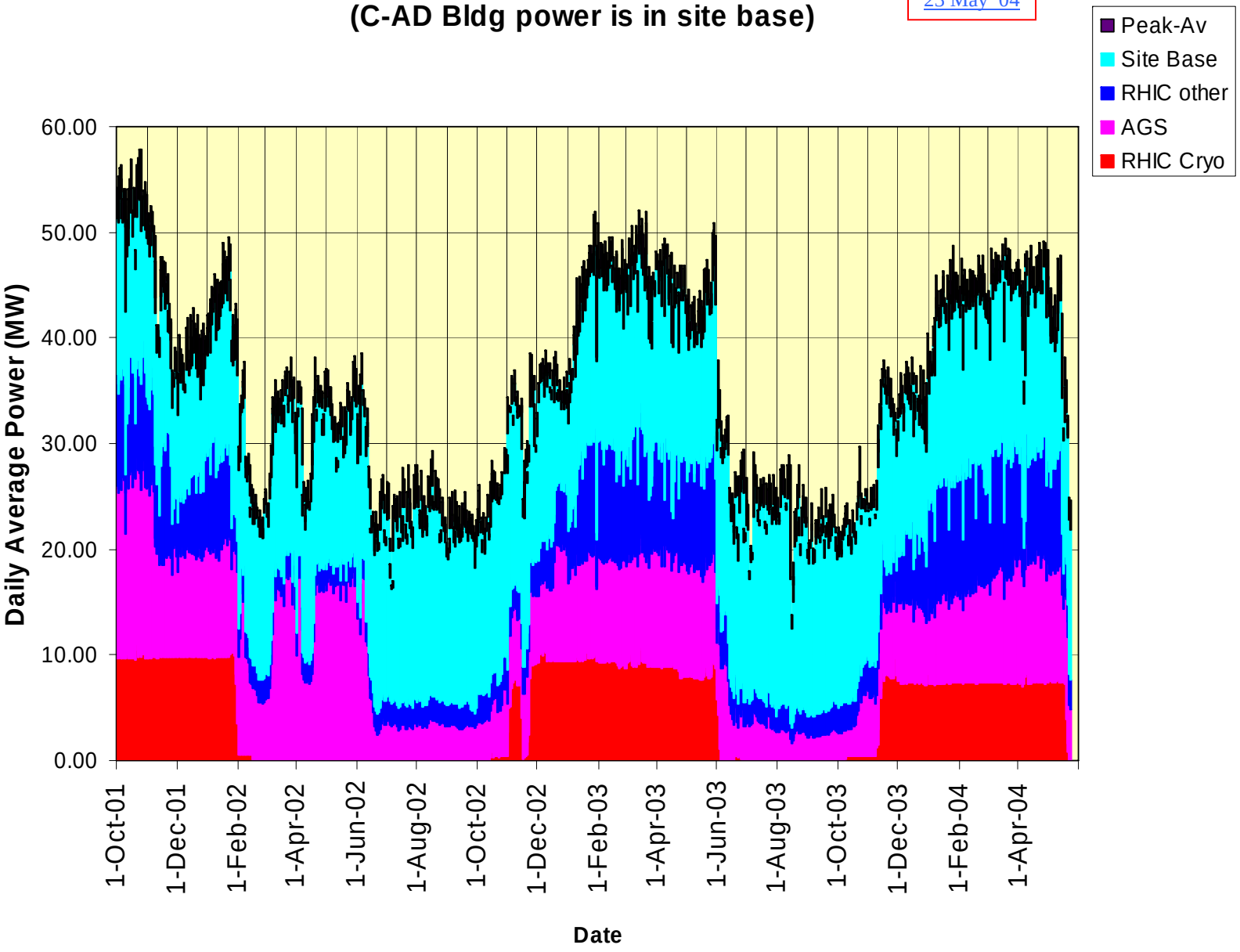
p-p (100x100 GeV) Development Run Integrated Delivered Luminosity, RHIC Run-4, Final

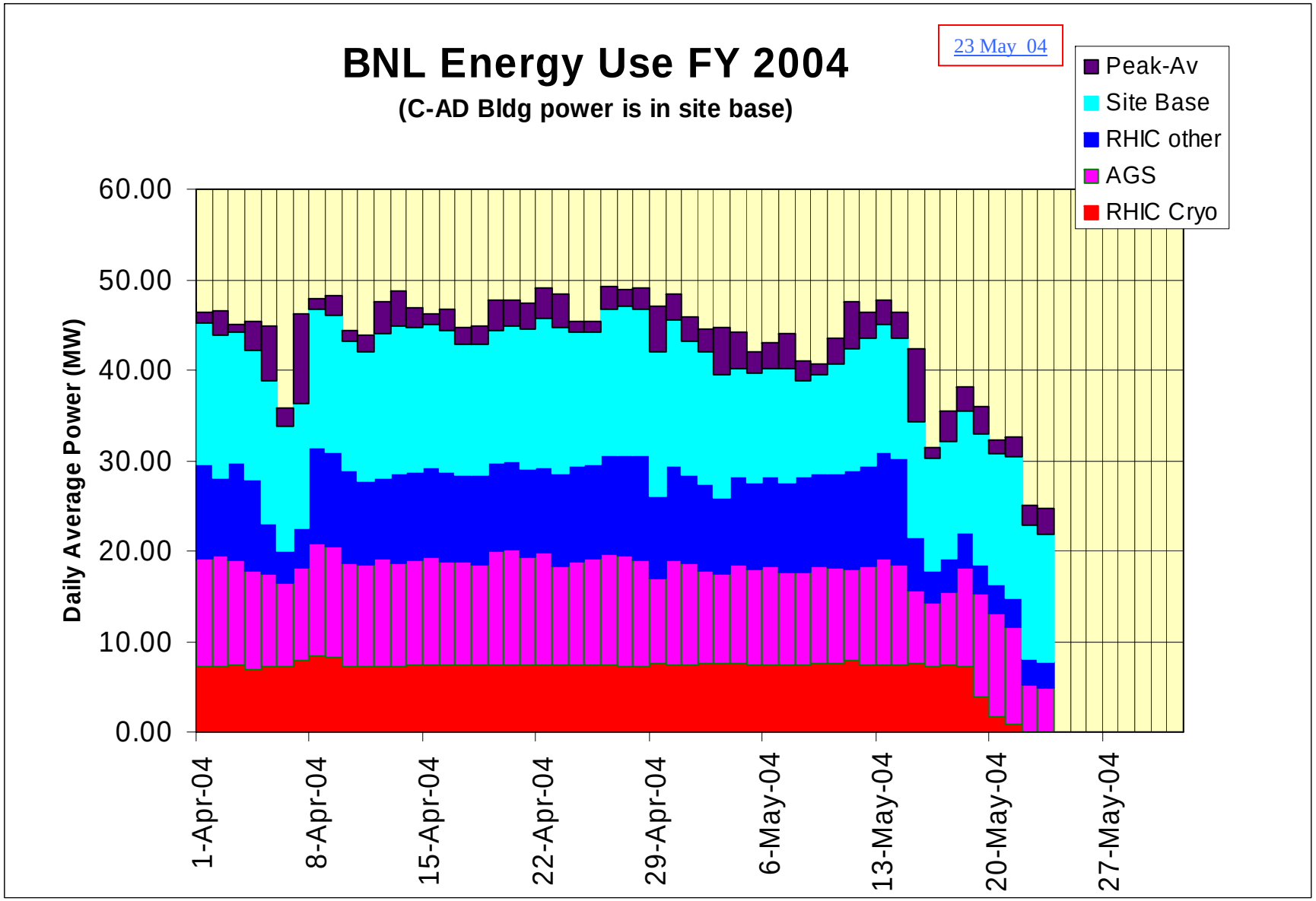


BNL Energy Use FY 2002-2004

(C-AD Bldg power is in site base)

23 May 04




BNL Energy Use FY 2004
(C-AD Bldg power is in site base)
23 May 04
Peak-Av
Site Base
RHIC other
AGS
RHIC Cryo
Daily Average Power (MW)
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1-Apr-04
8-Apr-04
15-Apr-04
22-Apr-04
29-Apr-04
6-May-04
13-May-04
20-May-04
27-May-04