

**JLab SNS Cryomodule Production Status Report
For Period Ending November 07, 2003**

	Cum. To Date		4 Wk Running Average		4 Wk Rate Needed To Complete by Jan. 05
	Plan	Actual	Plan	Actual	
Cavities Produced	25	28	3.5	4	3.5
Cryomodules Produced	6	6	1.05	0	1.05

Major Accomplishments

- The second and third cavities processed using new procedures, incorporating changes recommended by both internal and external reviews, were tested this week. They exceeded specification with gradients of 16 MV/m (57% over specification) and 14.9 MV/m (46% over specification) at Q_0 of 5×10^9 . The better of these two displayed a level of performance that has not been seen since February.

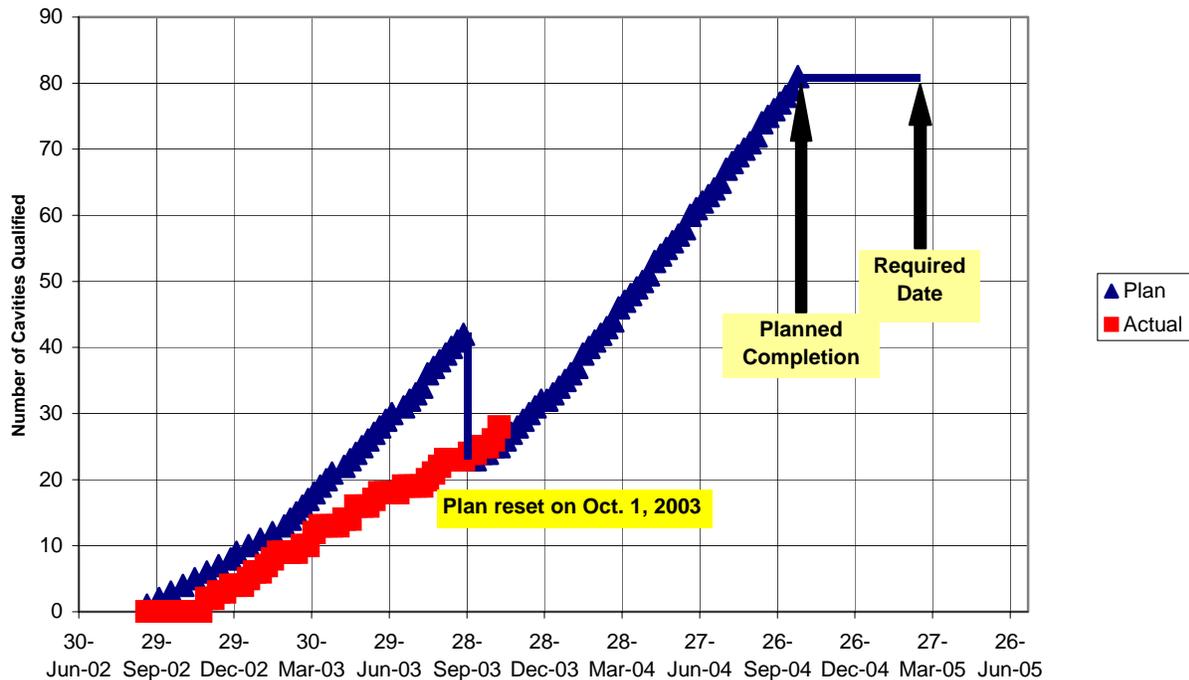
Key Issues & Actions Being Taken

- Testing of cryomodule M-5 continues, with encouraging improvements in cavity performance as RF processing continues.
- Assembly of cryomodule M-7 continues. We expect it to roll off the assembly rail ahead of schedule.
- Three cavities are in the queue being prepared for testing.

Management Items

- The recommendations of both internal and external cavity processing reviews were merged, and a combined implementation plan for all recommendations has been developed. This plan was presented to the SNS semiannual review; both the 60% of this plan that already has been implemented and the plans for the remaining 40% that will be done in stages over the next three months. Pauses between stages will allow us to evaluate the effectiveness of each set of changes.

JLab SNS Cavity Qualification



JLab SNS Cryomodule Production

