

**Lab SNS Cryomodule Production Status Report
For Period Ending October 29, 2003**

	Cum. To Date		4 Wk Running Average		4 Wk Rate Needed To Complete by Jan. 05
	Plan	Actual	Plan	Actual	
Cavities Produced	25	26	3.5	2	3.5
Cryomodules Produced	6	6	1.05	0	1.05

Major Accomplishments

- The first cavity (MB-26) processed using new procedures, incorporating changes recommended by both internal and external reviews, was tested this week. It exceeded specification with a gradient of 12.8 MV/m at Q_0 of 5×10^9 . Two more cavities are presently being processed according to these recipes, with more to follow.
- Of the last four cavities processed using the old procedures prior to the October review, two (one medium- β and one high- β) met specification.

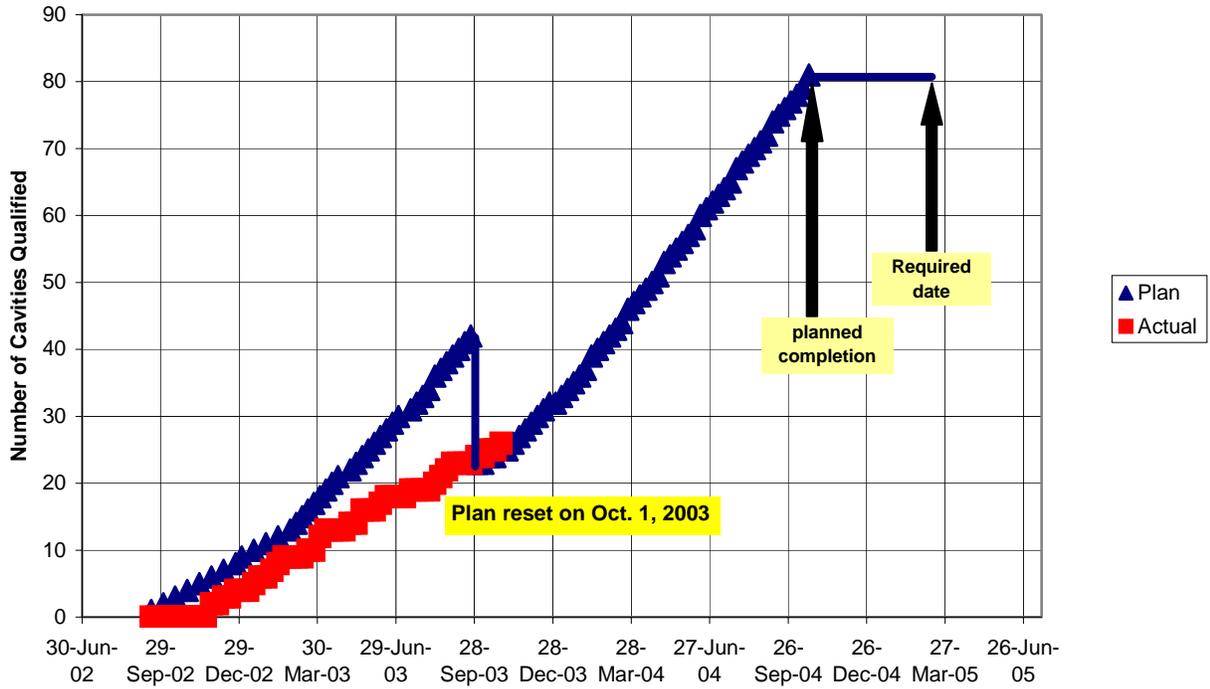
Key Issues & Actions Being Taken

- JLab is implementing all process improvements identified by the October review. Those that require no procurements or facility modifications are being implemented immediately (~1/3 of the total). Orders have been placed and plans have been, or are being, developed for the other anticipated facility modifications. The remaining improvements will be phased in over the next two months so as to avoid impacting ongoing production.

Management Items

- **Jefferson Lab is committed to delivering SNS cryomodules meeting or exceeding specifications within the budget and schedule constraints as highest priority.** This effort has the full attention of the JLab Director, who holds a daily out brief with the key managers responsible for the SNS cryomodules. This ensures laboratory and site office management is kept aware of progress in order to instantly remove any potential or emerging obstacles of a managerial or organizational nature. Attendance for SNS progress assessment at the weekly Director's meeting will include the Senior Team Leader, all key SNS personnel, and the JLab DOE Site Office Manager.
- Based on the agreed upon revised plan of cryomodule completion date of January 2005, the projected contingency draw has been reduced from \$4.4 M to \$1.1 M.

JLab SNS Cavity Qualification



JLab SNS Cryomodule Production

