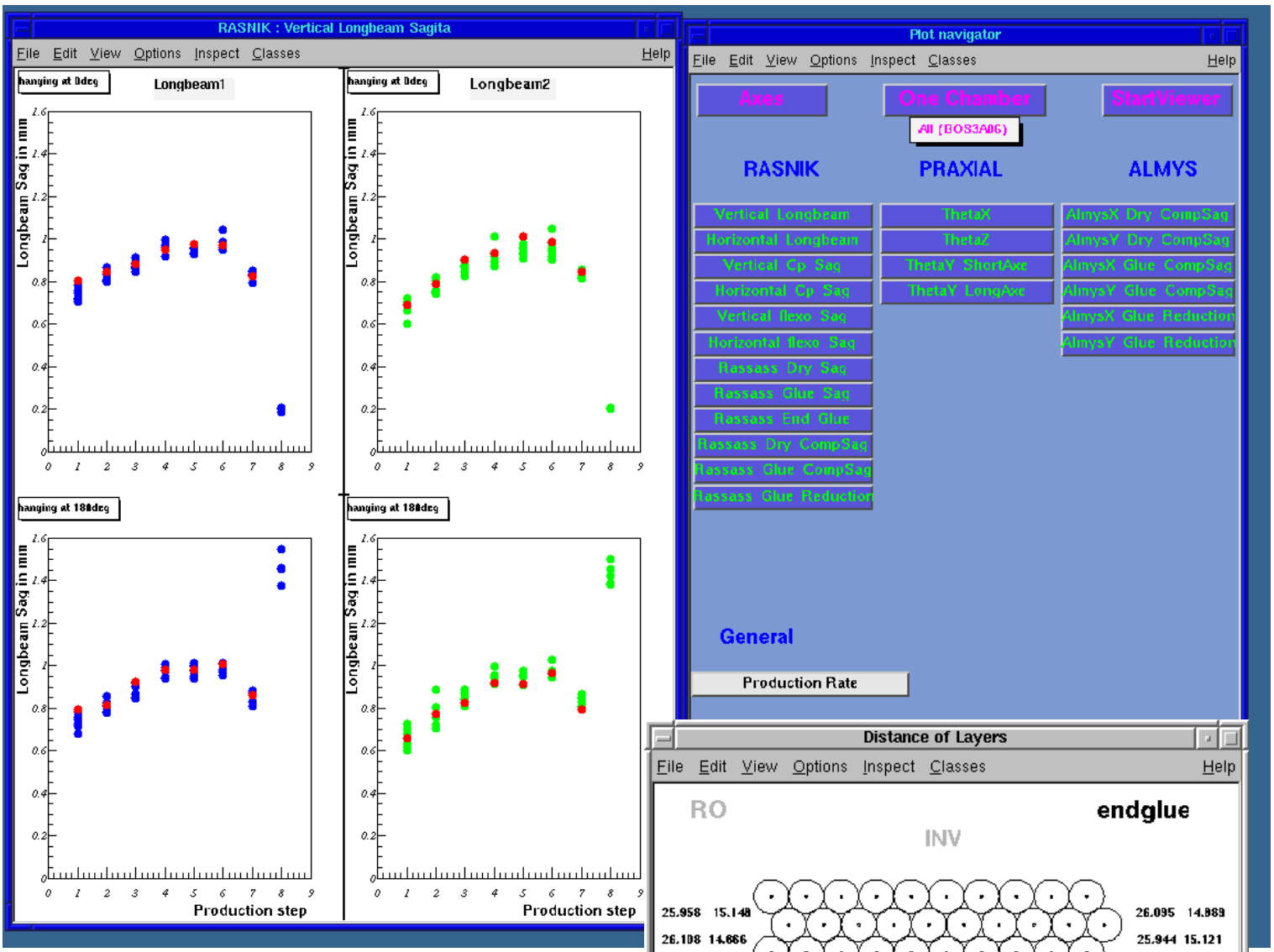Assembly Monitoring and Data Base