Instrument PDR
Summary of Objectives
Review Objectives

• This Instrument Preliminary Design Review (PDR) will allow the Review Panel to:
  – Assess the compliance of the design with applicable requirements.
  – Evaluate the completeness and consistency of the system level planning, technical baseline, supporting analysis and cost/schedule baselines developed during formulation.
  – Evaluate the project’s readiness to proceed with detailed design.
PDR Success Criteria

• The Instrument PDR success criteria are established as follows:
  – The proposed design meets the instrument level 1 through level 3 requirements and measurement requirements as defined in the Mission Requirements Documents.
  – The design meets interface requirements and constraints.
  – Plans to resolve open issues are complete and consistent with available resources and the risk policy of LRO.
  – There are appropriate margins at this stage of the design.
  – Integration, verification and validation approach and plans are adequate.
  – The mission assurance and safety plans and processes are consistent with mission risk and NASA policy.
  – The project has defined and implemented plans, processes, tools, and has in place the organization for managing and controlling the development and operation of the mission.