

# Status of the New Film Bag Concept (In Progress as of 05/00)

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SRHP

# Outline

- ◆ Development of requirements
- ◆ Material selection
- ◆ Material preparation
- ◆ Test plans
- ◆ Schedule

# Requirements

## ◆ Radiation measurements

- Total dose measurements
  - ◆ high inclination
  - ◆ high altitude
- Estimations of total dose spectra
  - ◆ (p+, e-, and HZE)

# Requirements

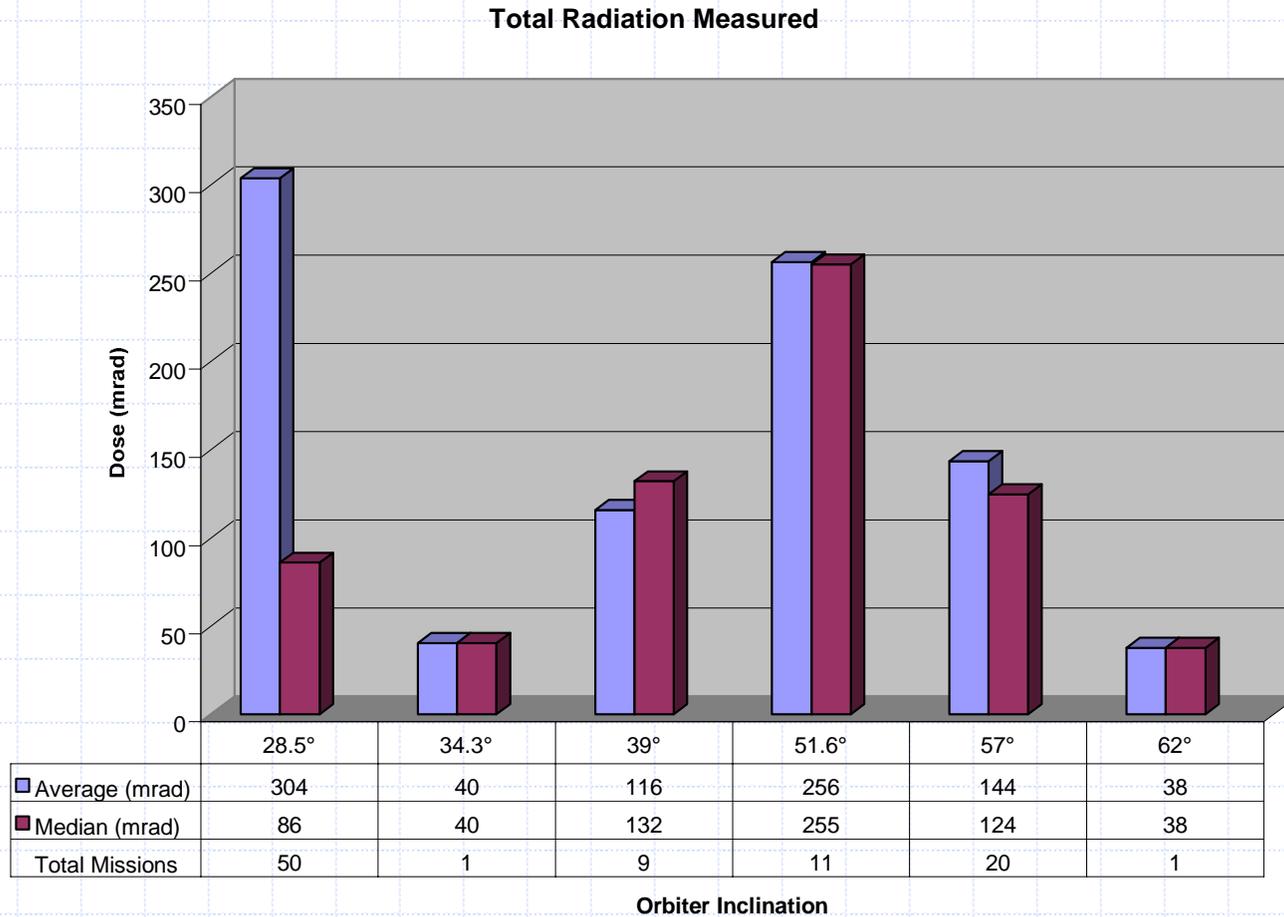
## ◆ Radiation concerns with materials

- RHO's requirement for eliminating lead content
- Secondary effects and crew concerns

## ◆ Limitations

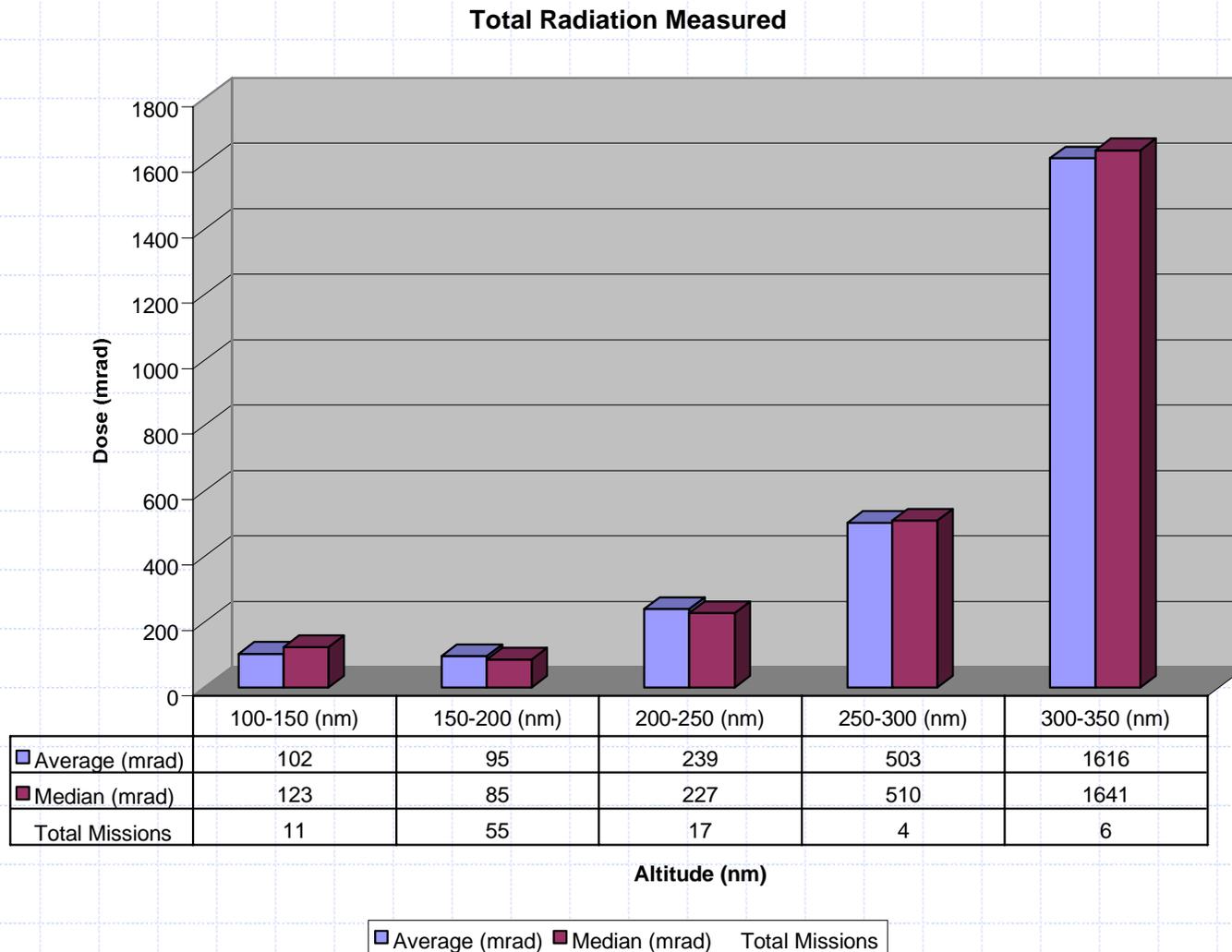
- Current approach is to optimize the above two issues
- Current approach do not assess the film emulsion issues

# Radiation Dose Measurements: Inclination

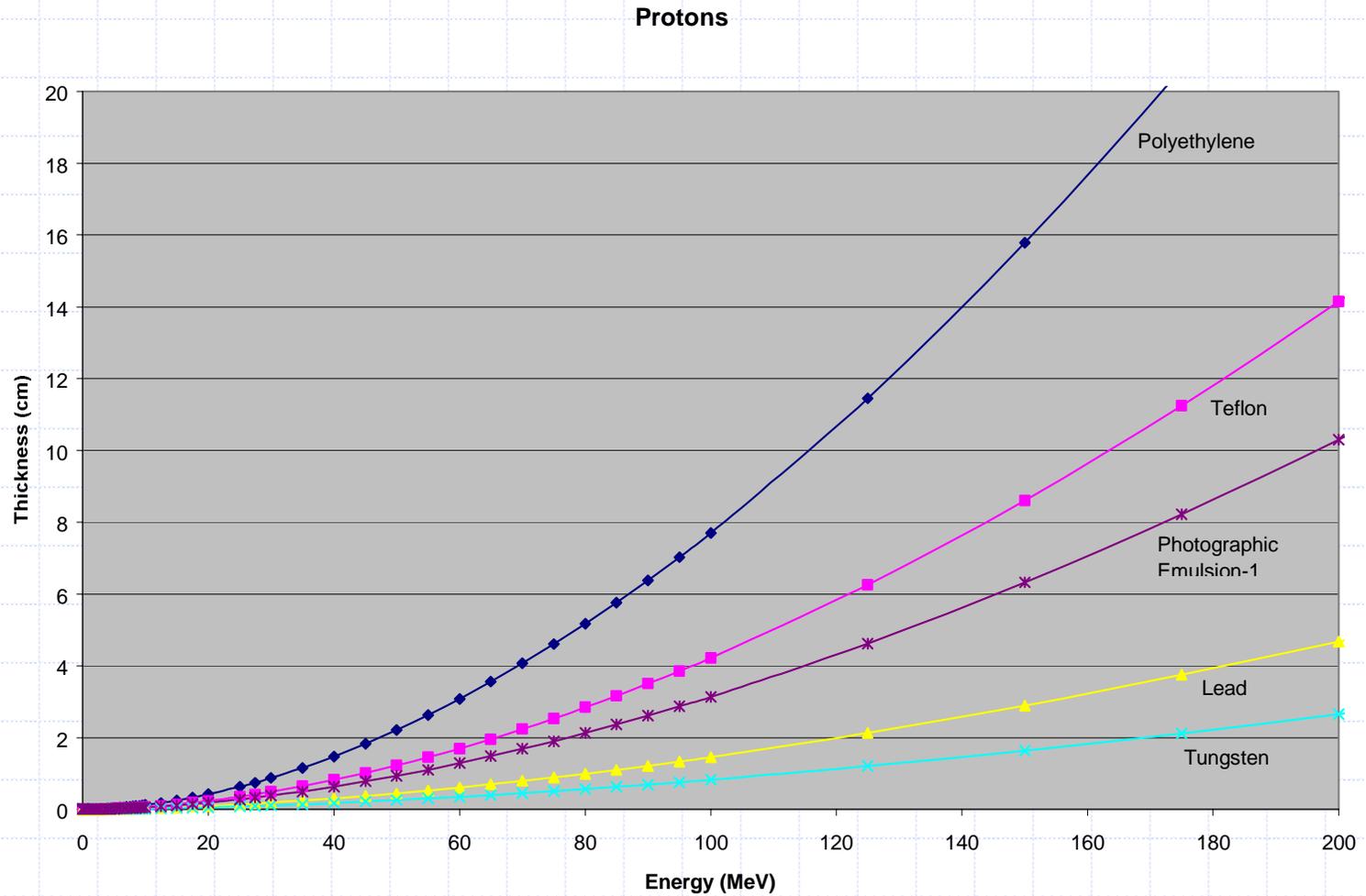


Legend: Average (mrad) Median (mrad) Total Missions

# Our Measurements - Altitude



# Protons vs. Suggested Material



# Electrons vs. Suggested Material

