

Instrument Roadmap - Discussion

- Phased implementation of Roadmap:
 - Well supported by detector technology state (heterodyne, KID and TES)
- Number of pixels (heterodyne) vs. Development time
 - Very close at the 64 pixel level. Probably also spectrometers
 - Need integrated array
 - Need new instrument – cannot be GREAT modification
- Technology vs. Development time
 - photoconductors vs. KIDs vs. TES
 - KIDs are very close to being able to cover full IR 10-300um range
 - More a design question than technology
 - TES are also close
- Phase technology development?
 - Parallel with instrument development
 - “competition” between detector technologies (KID TES primarily) suggested
 - What are the required near and far goals?