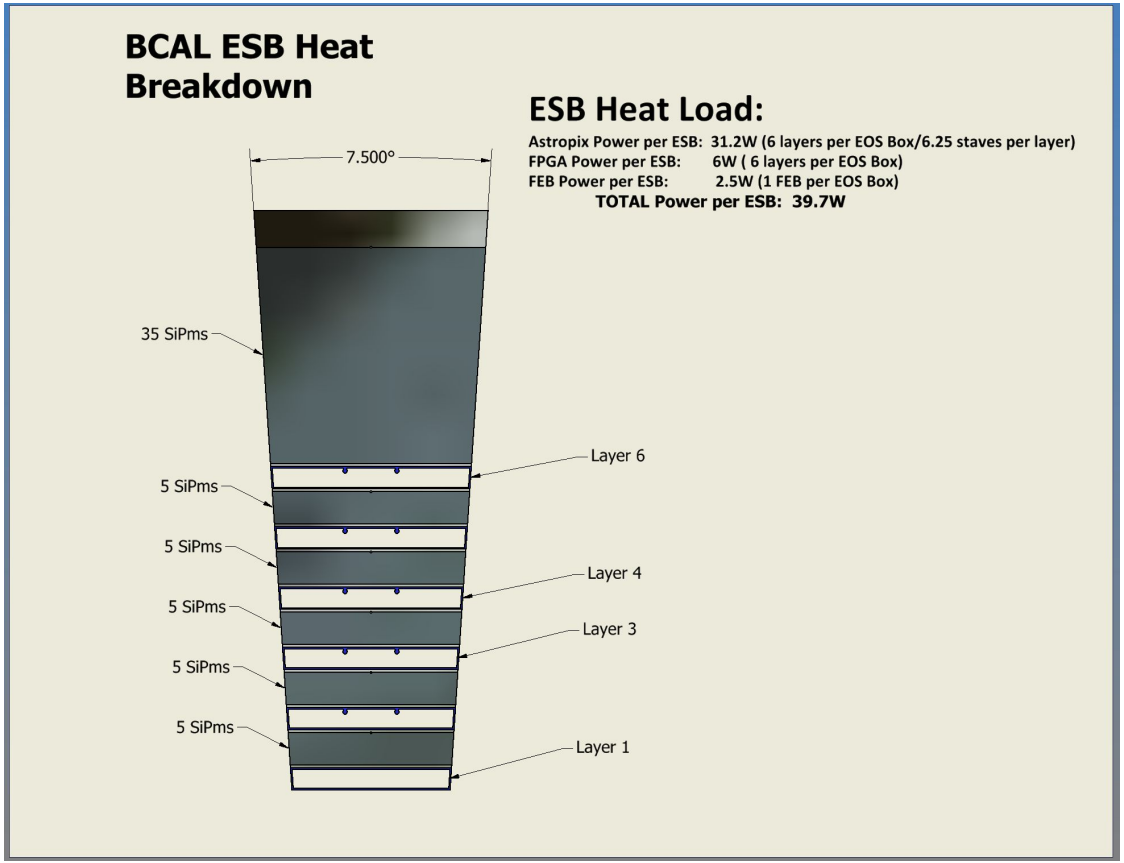
EoSB (End-of-Sector Box) - Heat



Per EoSB:
~ 40 W (without safety margins)

Homework:
Add PCB Module heat:
20% AstroPix = 6.24 W

Add extra safety margins:
extra 20%, or 50% when we're really uncertain

20% added to all but Module PCB:
40 W -> 48 W
6.24 W -> 9.36 W (module PCB)

57.36 W total with margins

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Still unanswered questions:

Does power regulator etc get “hot”?

Don’t have answer to the question. Added 50% to Module PCB

Temperature stability required for SiPMs?

Zisis

Follow up on heat with Dan (from Tom):

I brought up 39W per end of sector box at the engineering meeting this morning and Dan said that if that’s accurate then it should be no problem to provide cooling. He also said that he feels like 39W is an underestimate.