## Present status of Sumitomo's space borne cryocoolers

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Sumitomo's cryogenic technology has a history of 45 years since 1962. Various cryogenic equipments, such as GM cooler, Stirling cooler, He cryostat and so on, have been developed. Our challenge to space cryogenics started with He II cryostat of the Infrared telescope in space IRTS on SFU launched in 1995. After the success of the project, we have developed various cryostats and cryocoolers for temperatures from 50mK to 100K. Currently two cryostats and three cryocoolers are operating in space and three cryocoolers are to be launched in near future. In this paper, present status of Sumitomo's space borne cryocoolers is described.