## Preliminary proposal toward the Advanced Limb atmospheric Profiler Suites (ALPS)

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Since early 1970s, there have been many satellite observations for atmospheric science, and most of the observations will be followed by routine monitoring by meteorological satellites. But, vertical profiling using limb observation will not be covered by the operational satellites. There exists strong science needs to develop advanced atmospheric profiling sensor suites using UV/Vis and sub-mm limb observation techniques to observe vertical structure and coupling from upper troposphere to thermosphere, which have been already demonstrated by ENVISAT/SCIAMACHY, Odin/SMR, Odin/OSIRIS et al. In the present paper, the authors wish to explain preliminary proposal on the Advanced Limb atmospheric Profiler Suites (ALPS) based upon Japanese heritages.