

# Current status of SK-III

SNEWS meeting

2006/06/14

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# SK full reconstruction

**2005**

**Oct. 10<sup>th</sup>** Water drain started

**2006**

**Feb. 21<sup>st</sup>** Top and barrel PMT mount finished

**Mar. 3<sup>rd</sup>** Water drain finished

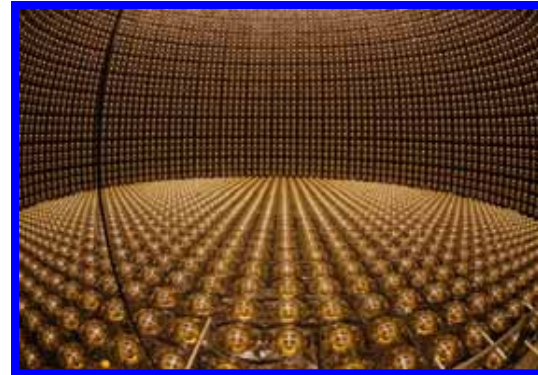
**Apr. 11<sup>th</sup>** Bottom PMT mount finished, and almost all the PMTs except for 48 PMTs have been mounted.

**Apr. 18<sup>th</sup>** Water filling started  
(30~32 ton/hour, ~60cm/day)

**Jun. 14<sup>th</sup>** Water level: 31m (74%)

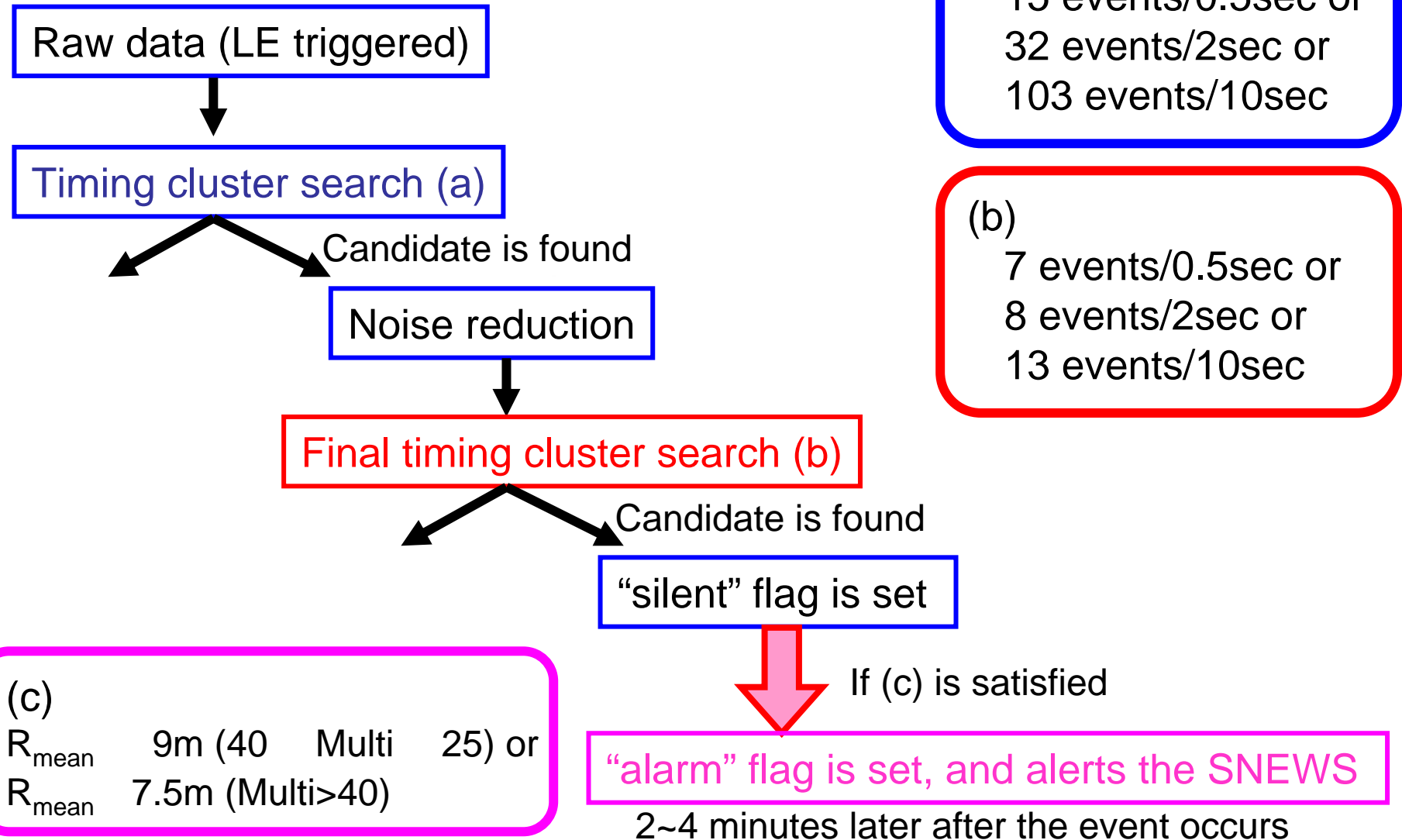
**Jul. 3-5<sup>th</sup>** Remaining 48 PMTs will be installed, and PMT mount will be completed

**Jul. mid.** SK-III normal run will start



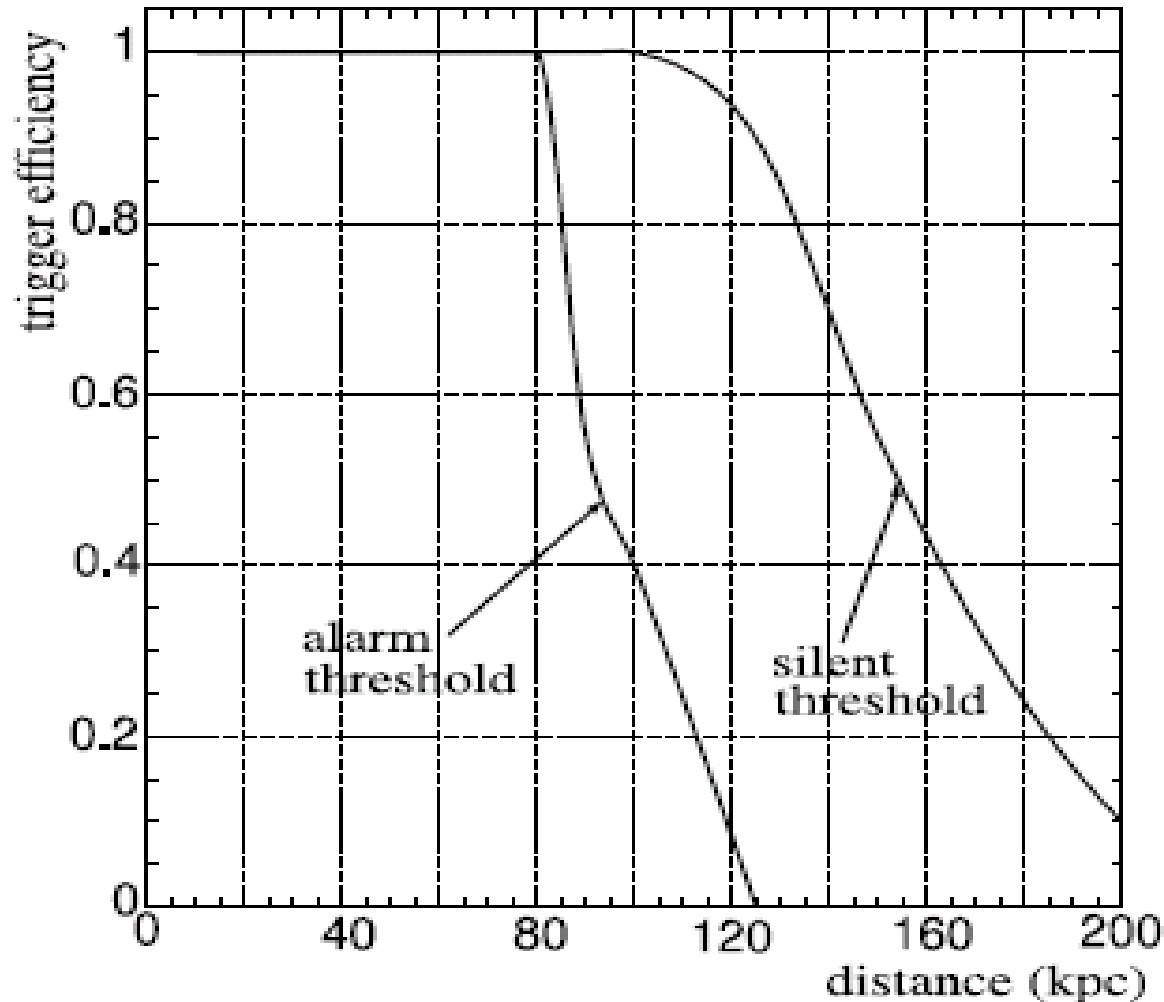
# SK-III SN alarm system

➤ Basically, same as that of SK-I,II



## ➤ Detection efficiencies assuming a specific SN model

- 100% efficiencies are maintained up to ~100 kpc

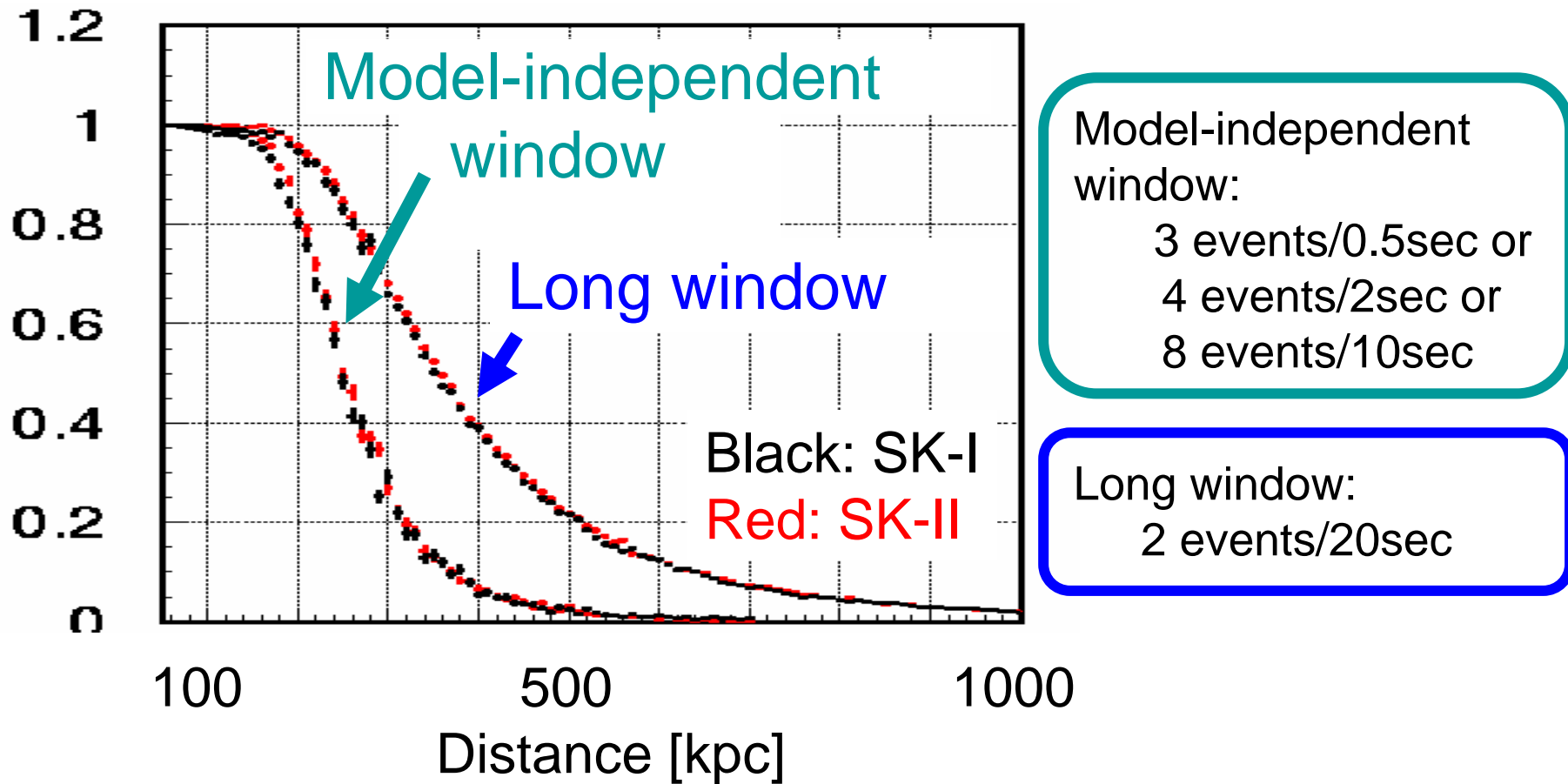


# Summary

- SK-III normal run and SN alarm system will start **in the middle of July**
- Photo coverage and trigger efficiency are recovered same as SK-I, and SN alarm system has **100% detection efficiency up to ~100kpc**

*Back slide*

## ➤ Detection efficiencies using another time windows



- SK-II is expected to have same efficiency as that of SK-I
- Full efficiencies are maintained up to ~100 kpc