Appendix 11

2011 June 8th

Ver.3

L3 OAT7, ITE233, V6 Comparison

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OAT7	: Product Version 7 (OAT)
ITE233	: Product Version 7 (previous of OAT)
V6	: Product Version 6

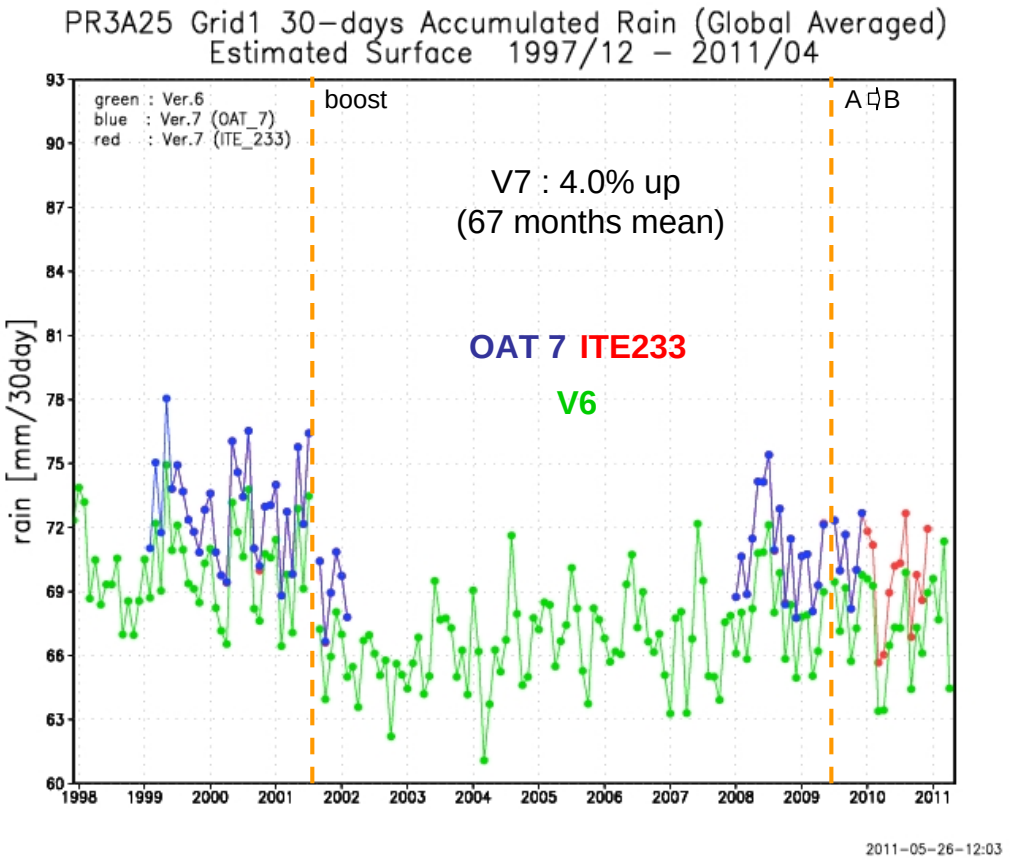
<Purpose>

In order to investigate the continuity of the following two event, JAXA generated global trend plots from PR 3A25.

(1) TRMM satellite boost event on August 2001.
(2) TRMM/PR shift from A-side to B-side on May 2009.

Global

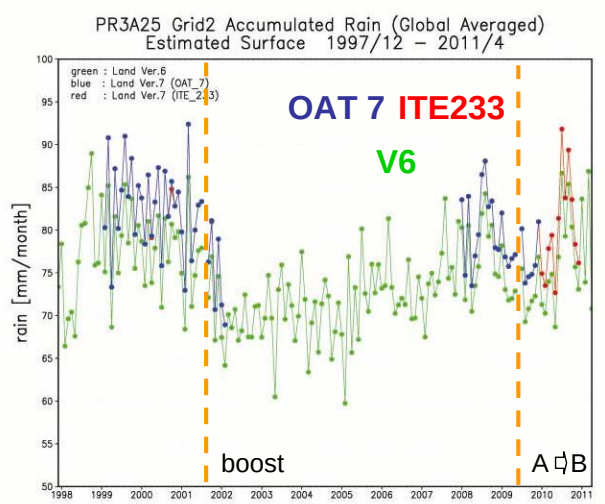
Accumulated Rain | e_SurfRain



Land & Ocean

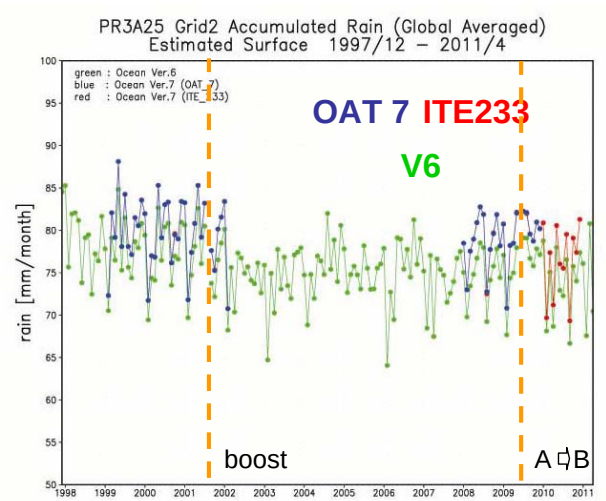
Accumulated Rain | e_SurfRain

Land



V7 : 5.7 % up
(67 months mean)

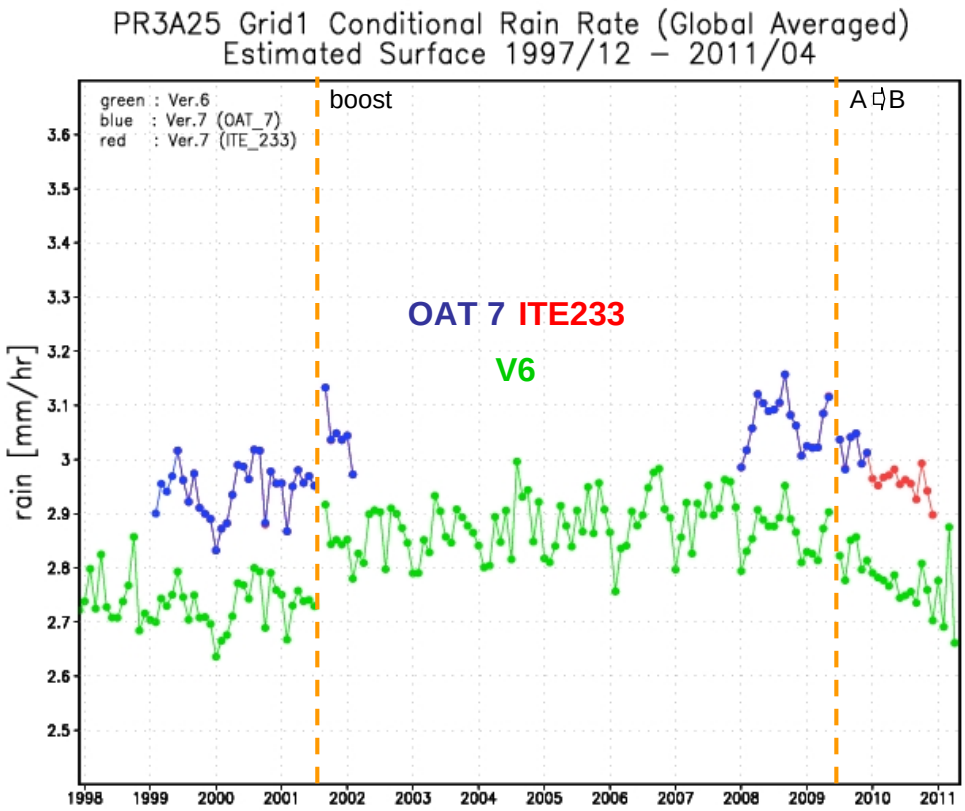
Ocean



V7 : 4.0 % up
(67 months mean)

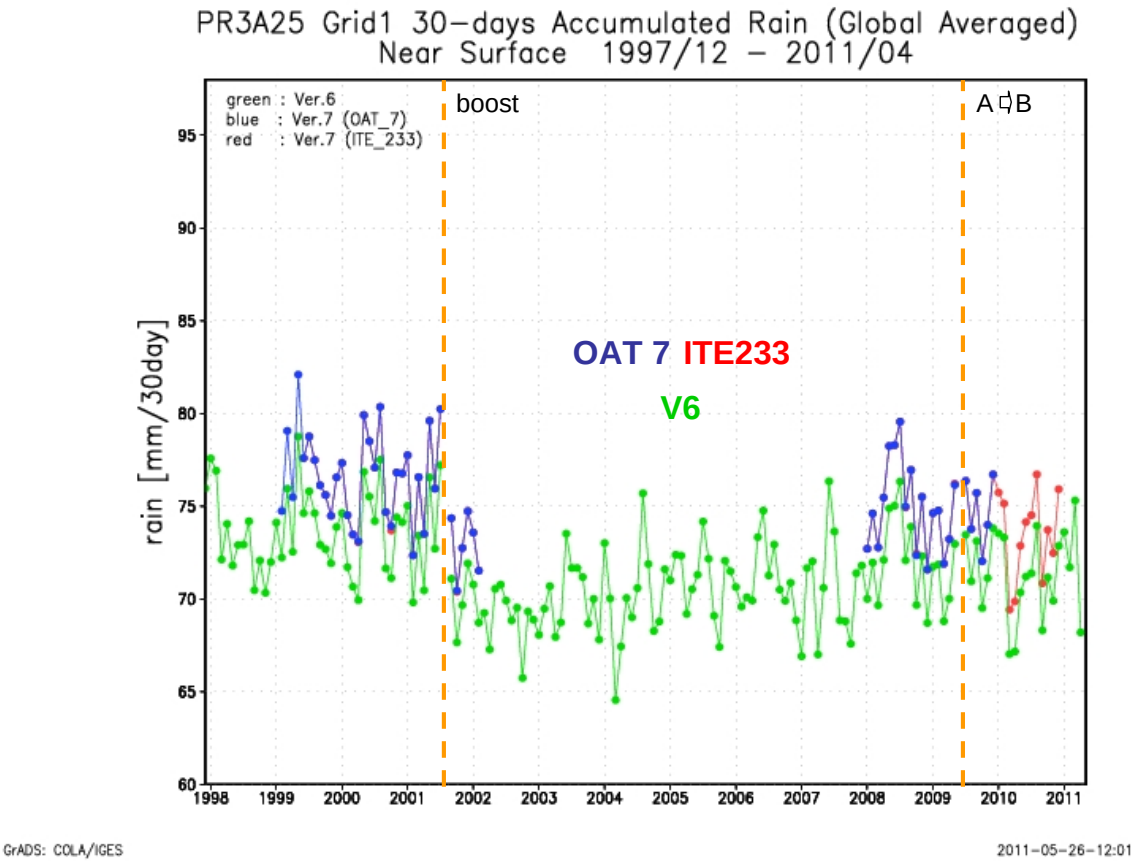
Global

Conditional Rain Rate Mean | e_SurfRain



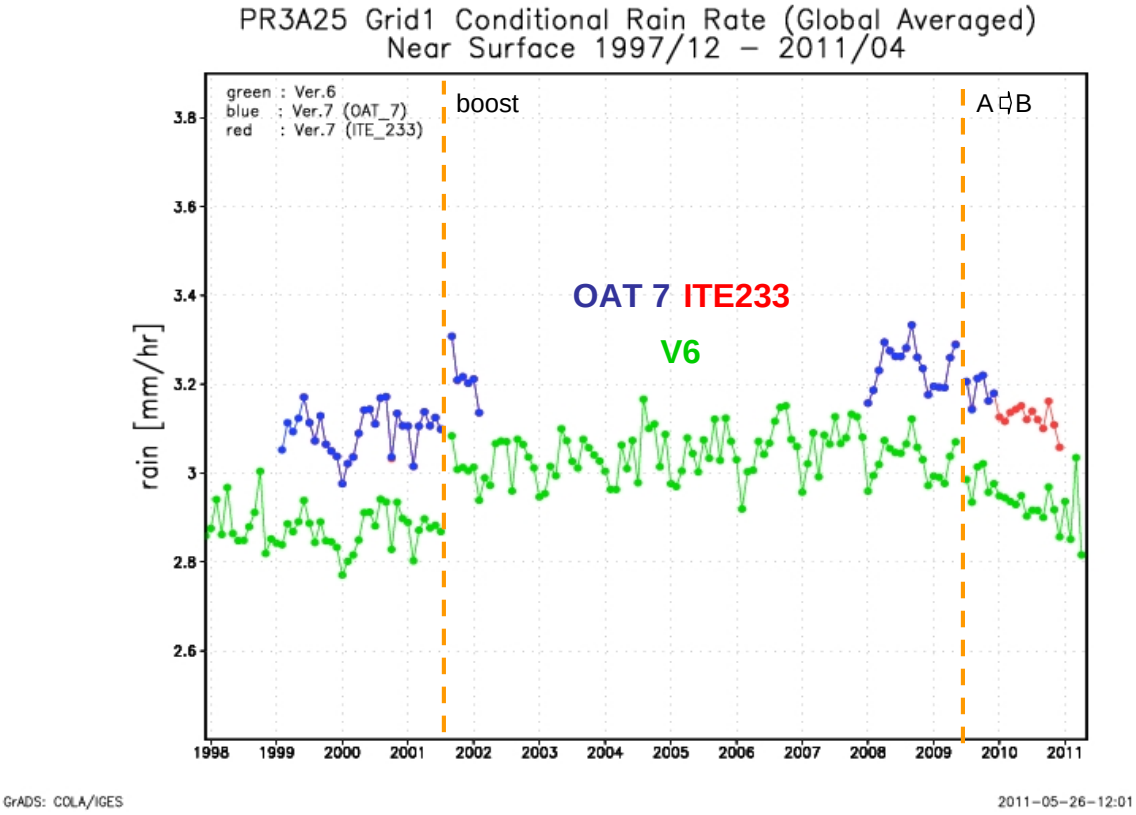
Global

Accumulated Rain | nearSurfRain



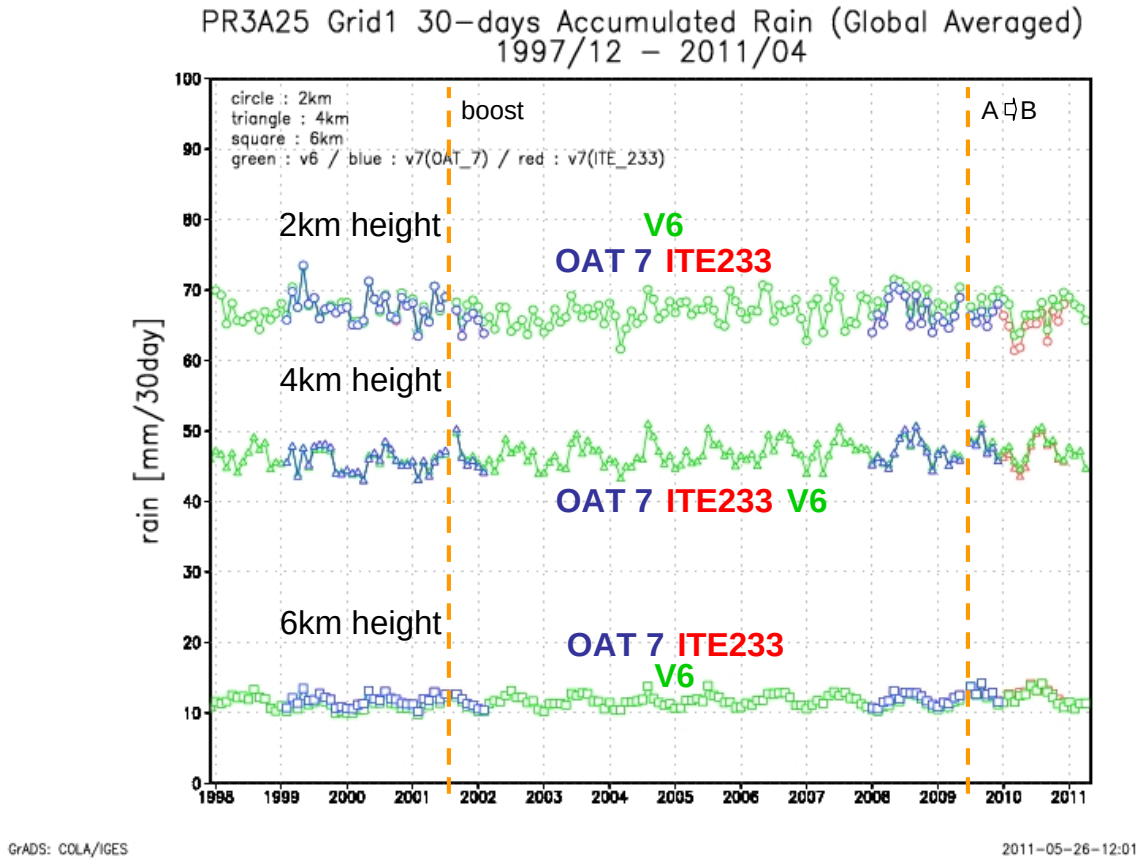
Global

Conditional Rain Rate Mean | nearSurfRain



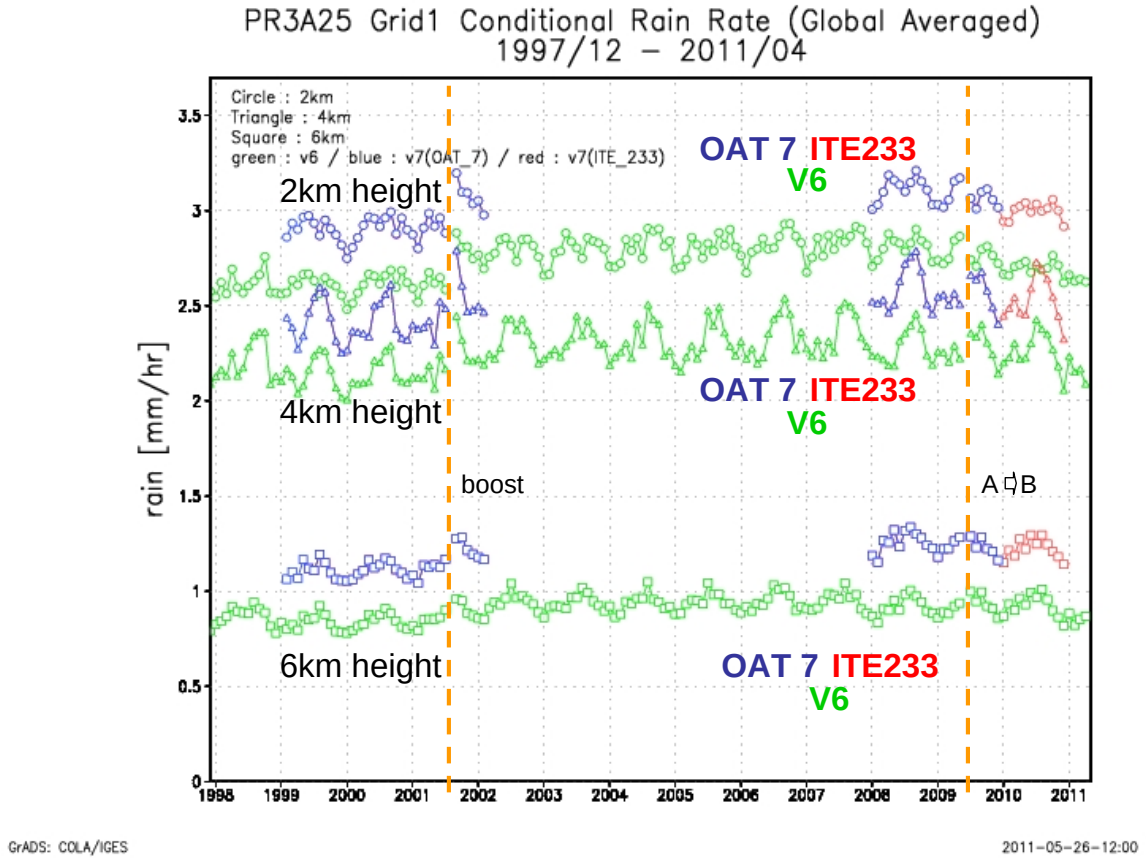
Global

Accumulated Rain | rain @ 2, 4, 6 km height



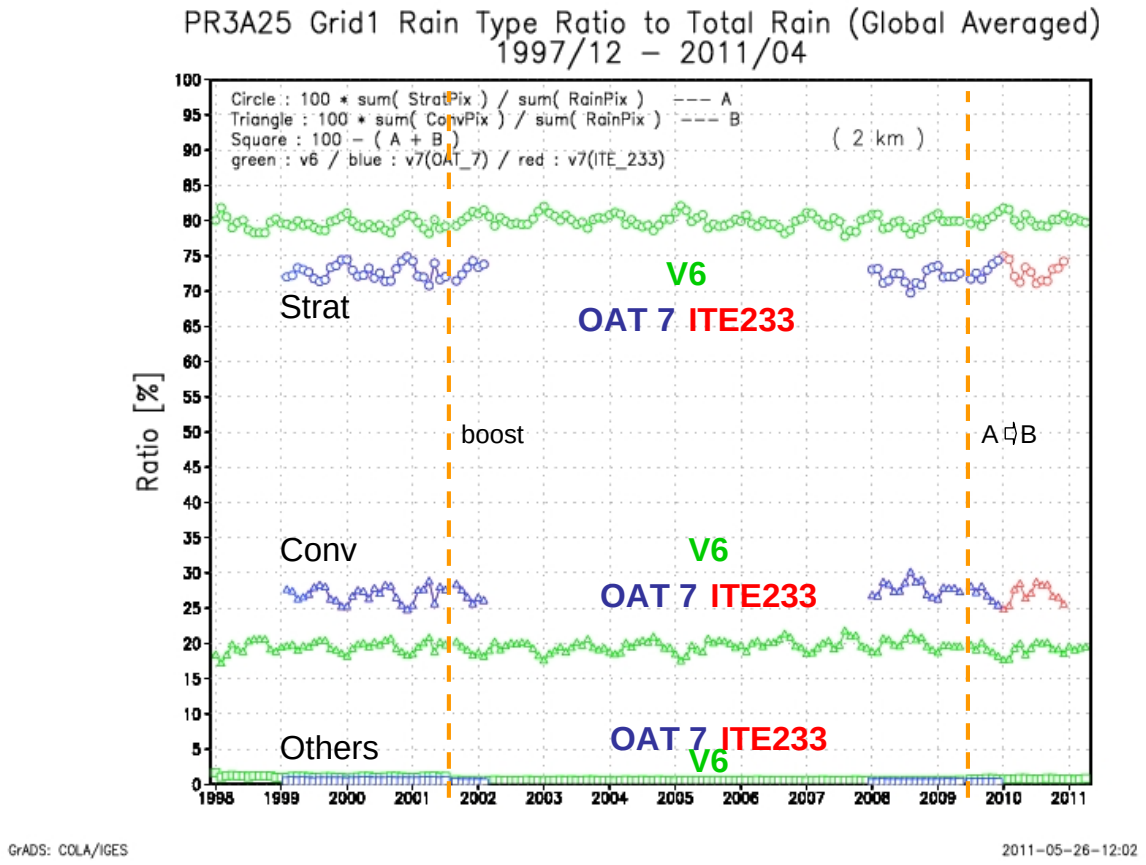
Global

Conditional Rain Rate Mean | rain @ 2, 4, 6 km height



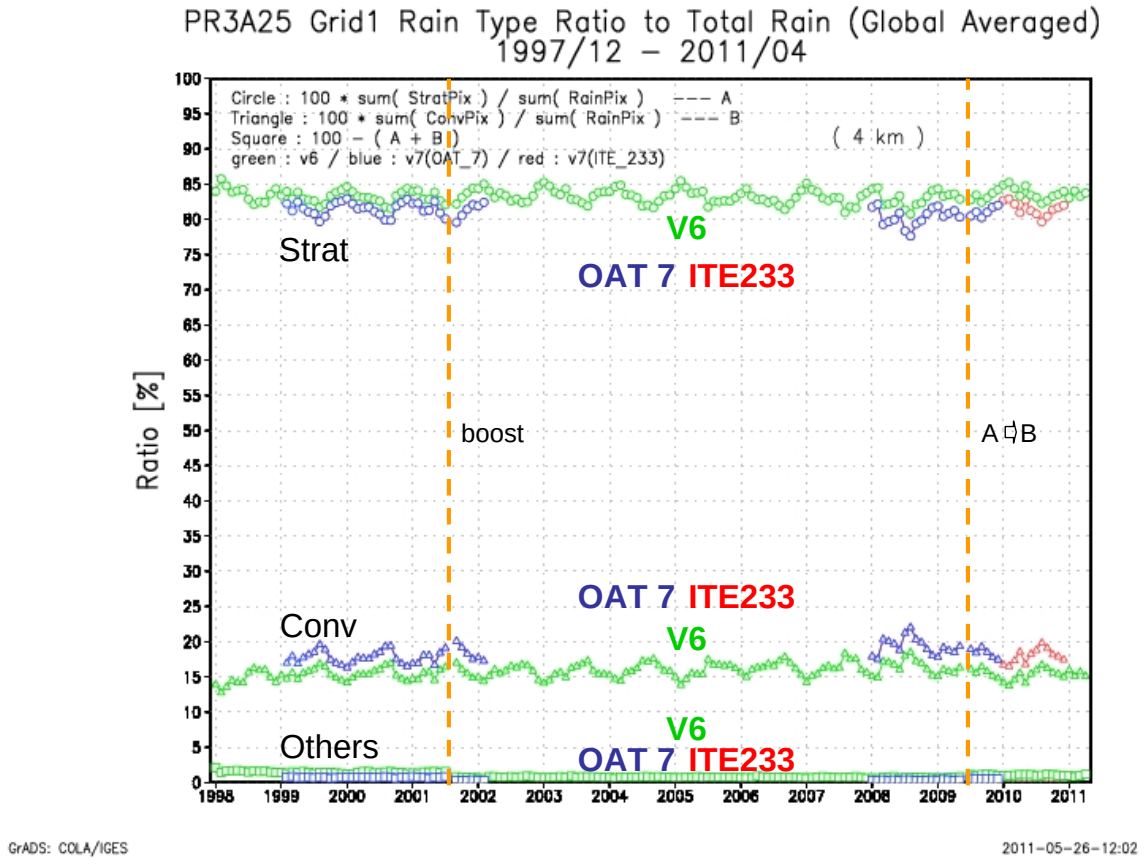
Global

Rain Type Ratio @ 2km



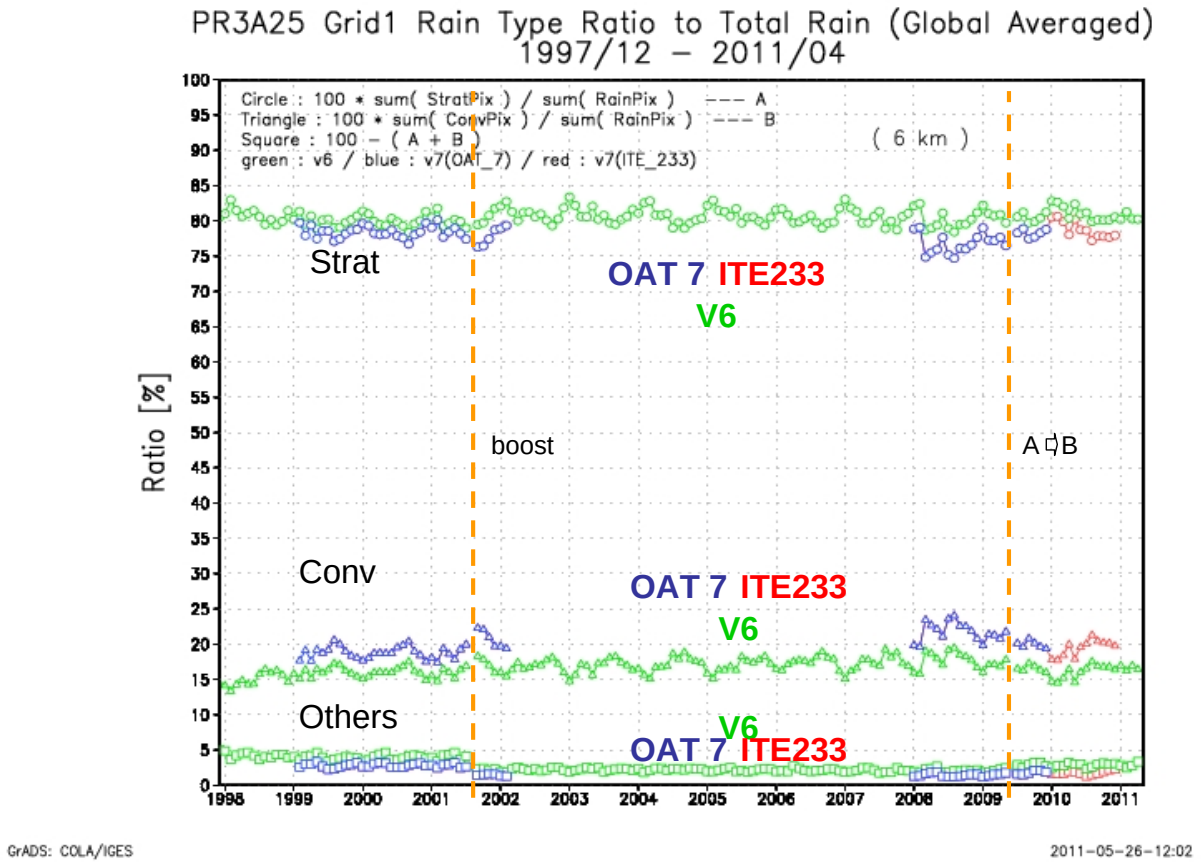
Global

Rain Type Ratio @ 4km



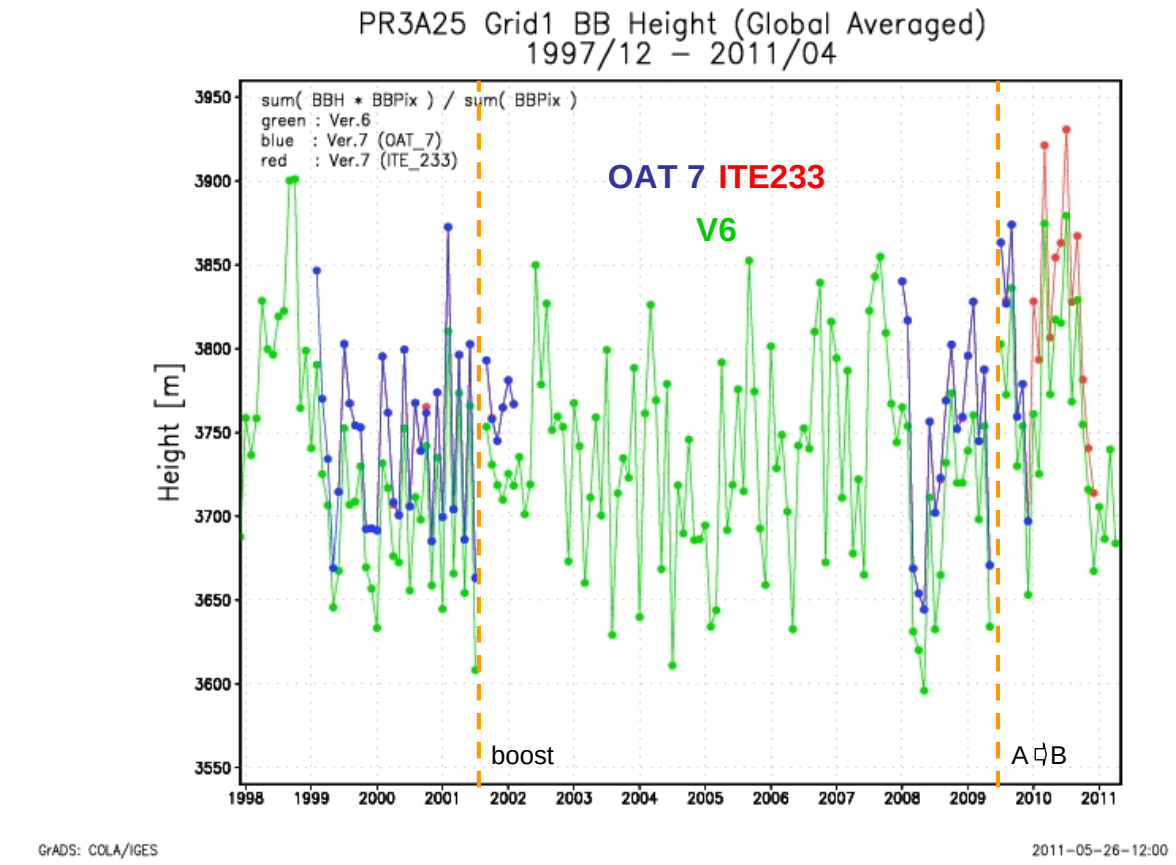
Global

Rain Type Ratio @ 6km



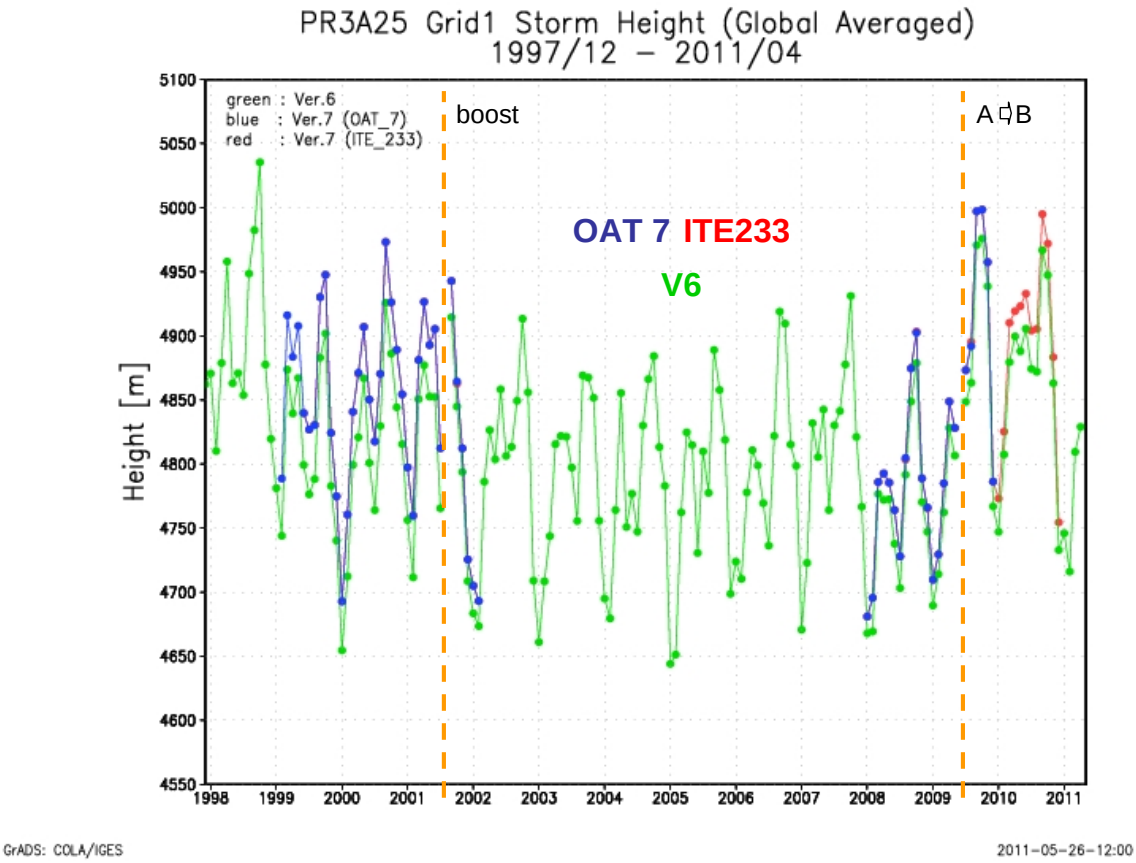
Global

Bright Band Height



Storm Height

Global



Summary

As to the TRMM satellite boost event on August 2001, PR V7 (OAT) shows smooth continuity as similar as PR V6.

As to the TRMM/PR shift from A-side to B-side on May 2009, PR V7 (OAT) shows smooth continuity as similar as PR V6.

Rain rate and accumulated rain increases in PR V7.
Global : 4.0 % up
Land : 5.7 % up
Ocean : 4.0 % up