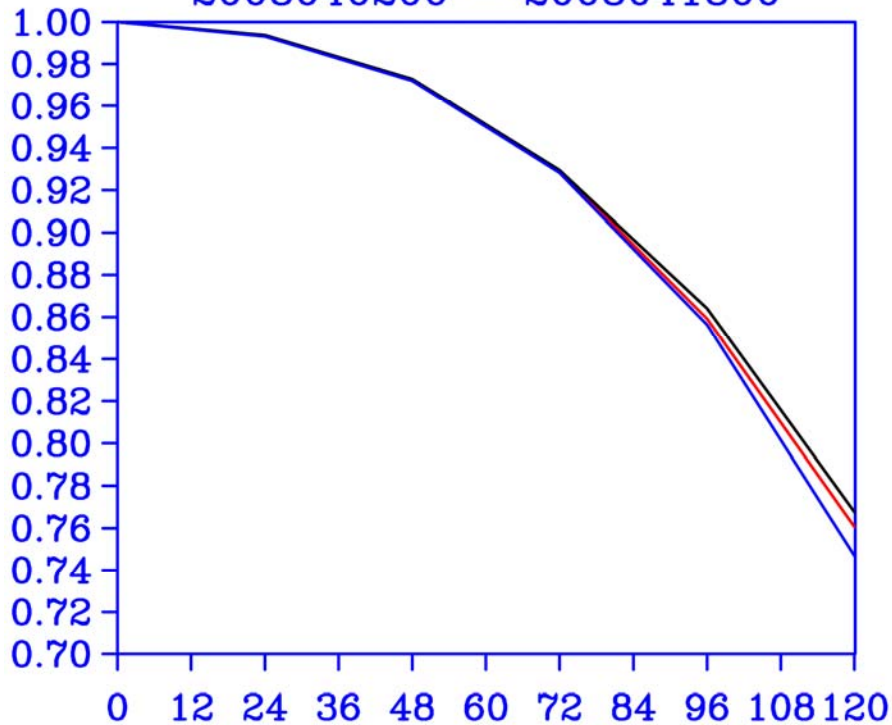
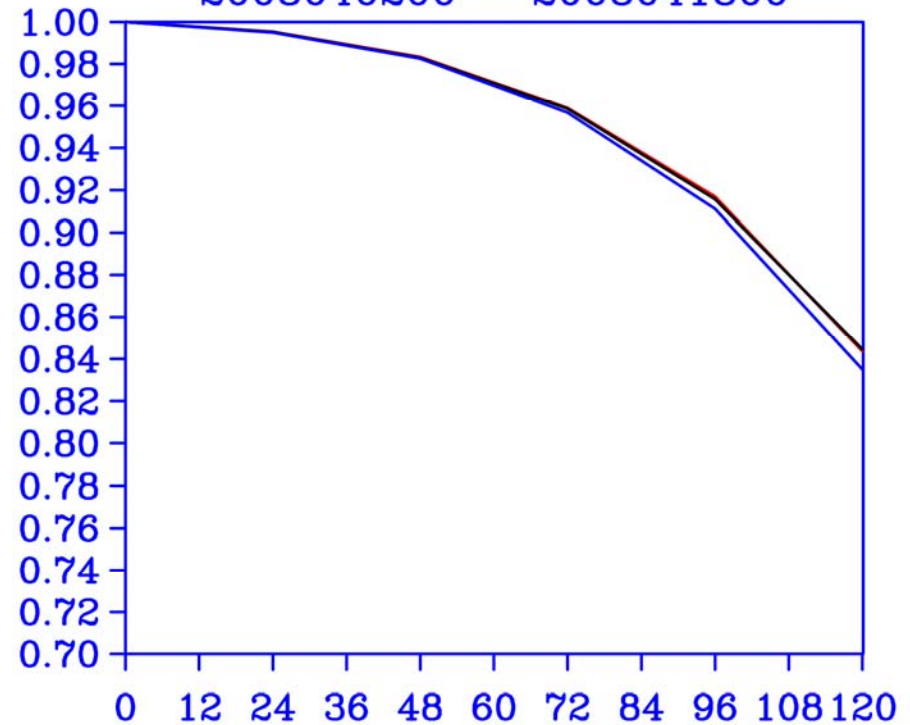


NOGAPS DATA ASSIMILATION TEST  
500 MB SOUTH HEM HEIGHT ANOMALY COR  
2008040200 – 2008041800



— CRTM — RTTOV8 — OPS

NOGAPS DATA ASSIMILATION TEST  
500 MB NORTH HEM HEIGHT ANOMALY COR  
2008040200 – 2008041800

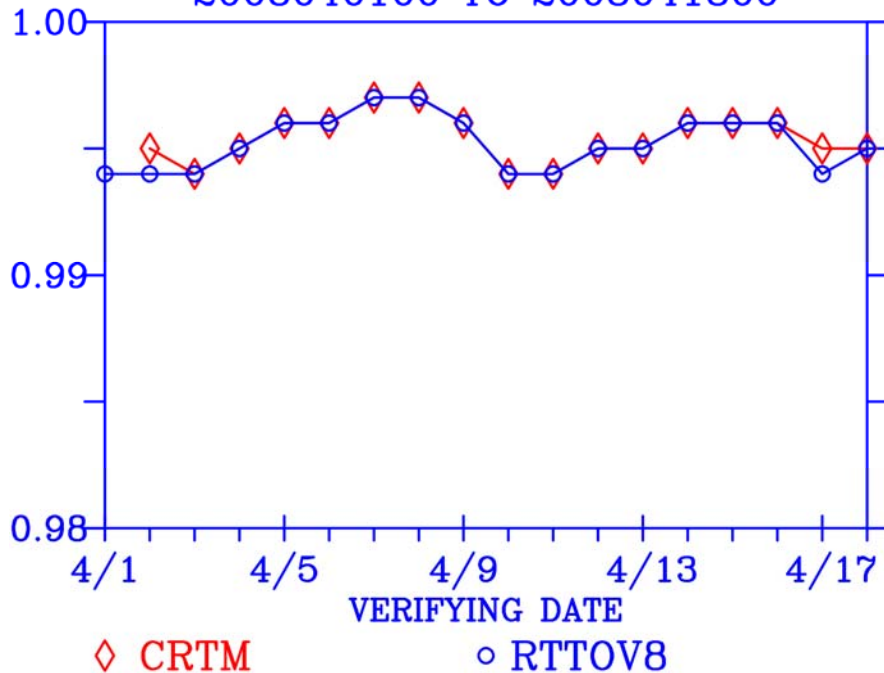


— CRTM — RTTOV8 — OPS

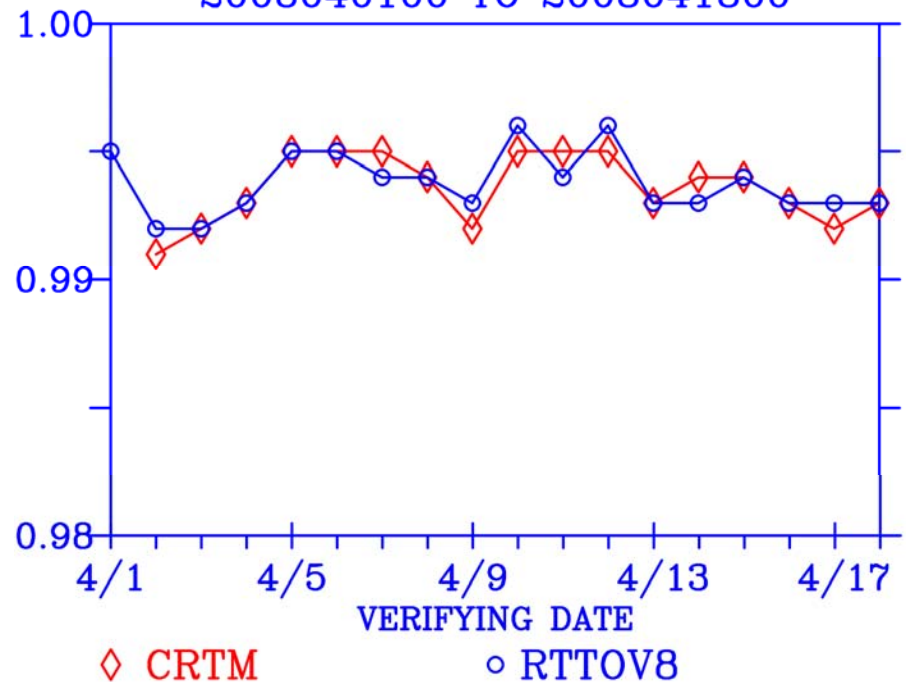
==== please do not distribute =====

- the latest release of CRTM is much improved
- 3D-Var NAVDAS system with CRTM is still being “spun-up”, but giving statistics quite similar to those from RTTOV-8.7
- OPS uses RTTOV-6

SELF ANALYSIS  
500 mb NORTH HEM ANOM COR OF HEIGHTS  
FORECAST TAU = 24  
2008040100 TO 2008041800



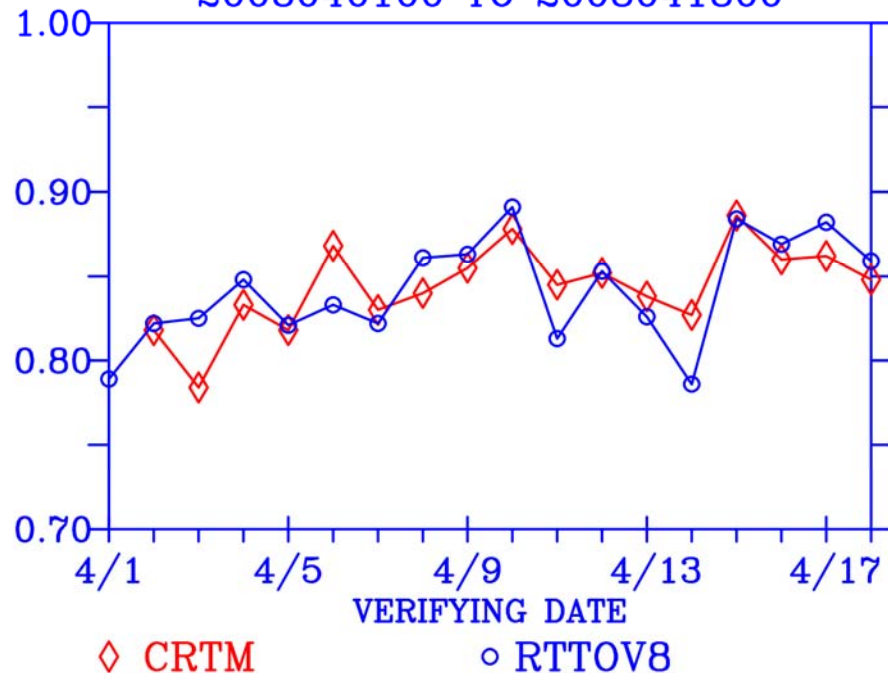
SELF ANALYSIS  
500 mb SOUTH HEM ANOM COR OF HEIGHTS  
FORECAST TAU = 24  
2008040100 TO 2008041800



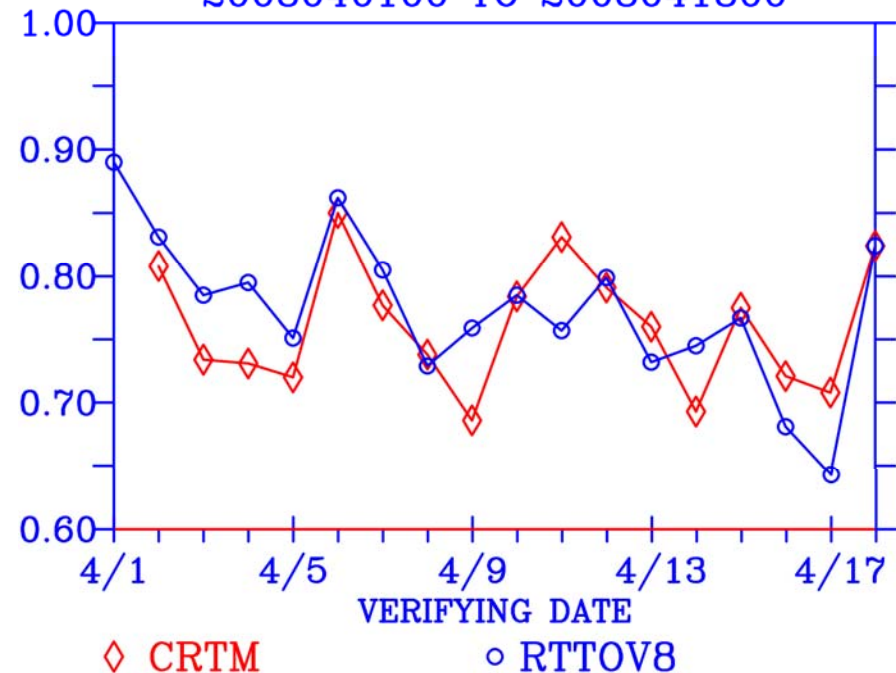
==== please do not distribute =====

- 24 hour stats are very comparable between RTTOV and CRTM
- the anomaly height correlation at 24-hours should be quite high unless something 'systematically' is at error

SELF ANALYSIS  
 500 mb NORTH HEM ANOM COR OF HEIGHTS  
 FORECAST TAU = 120  
 2008040100 TO 2008041800

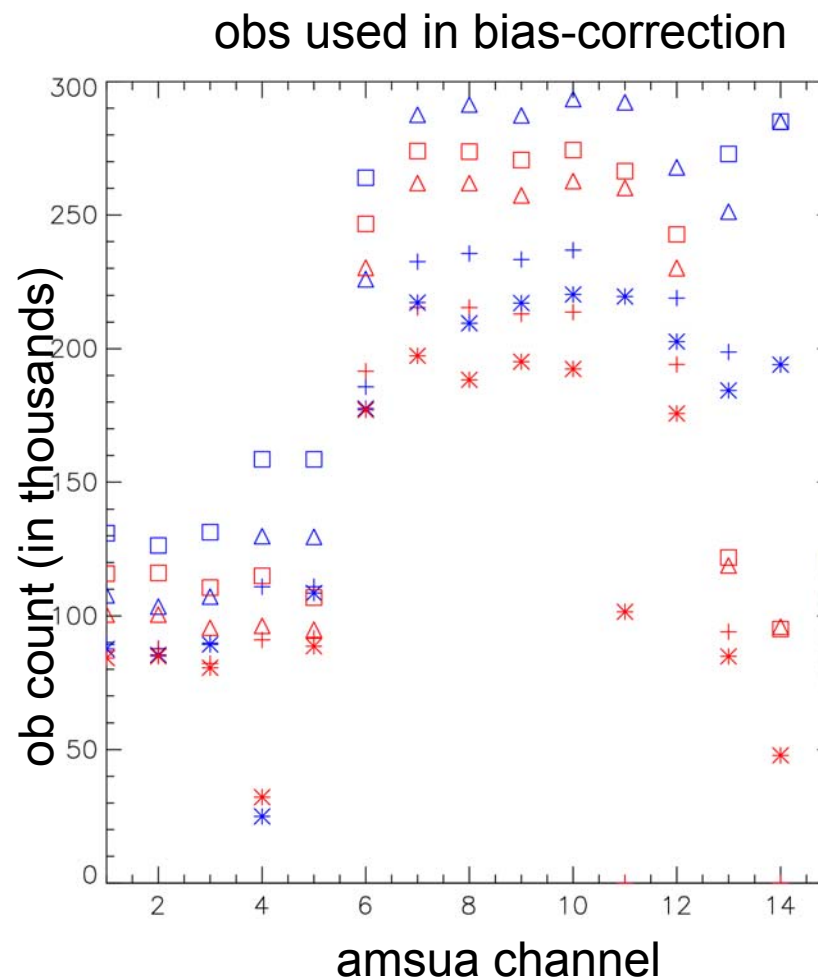
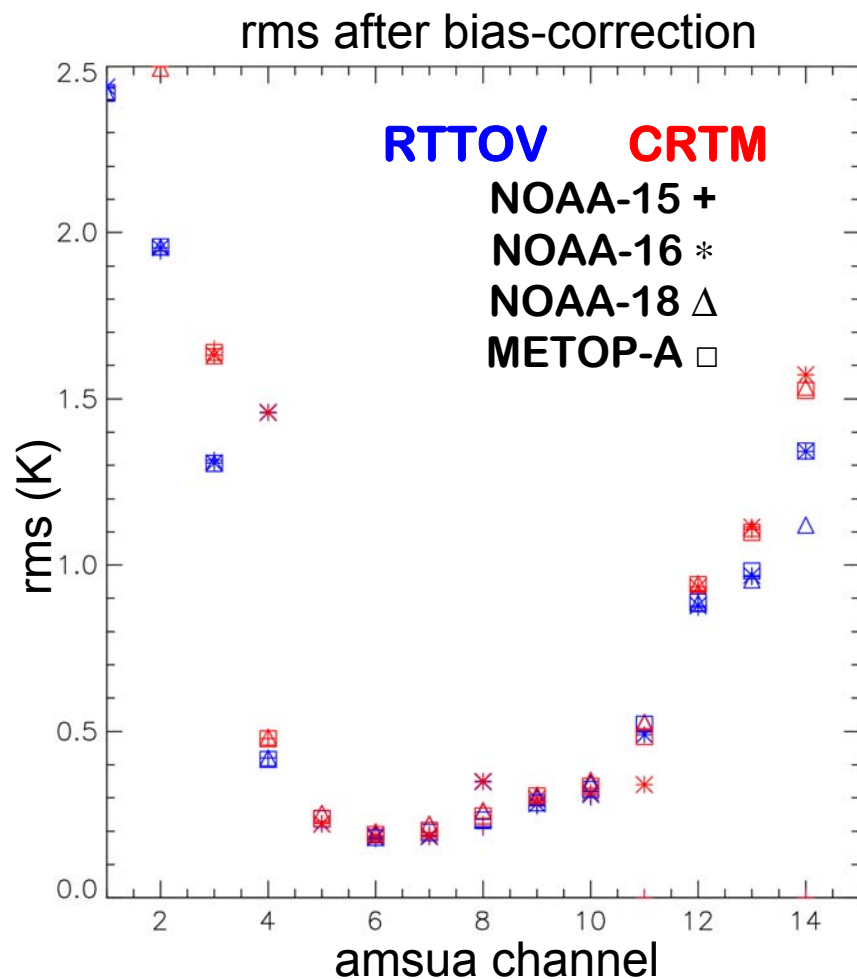


SELF ANALYSIS  
 500 mb SOUTH HEM ANOM COR OF HEIGHTS  
 FORECAST TAU = 120  
 2008040100 TO 2008041800



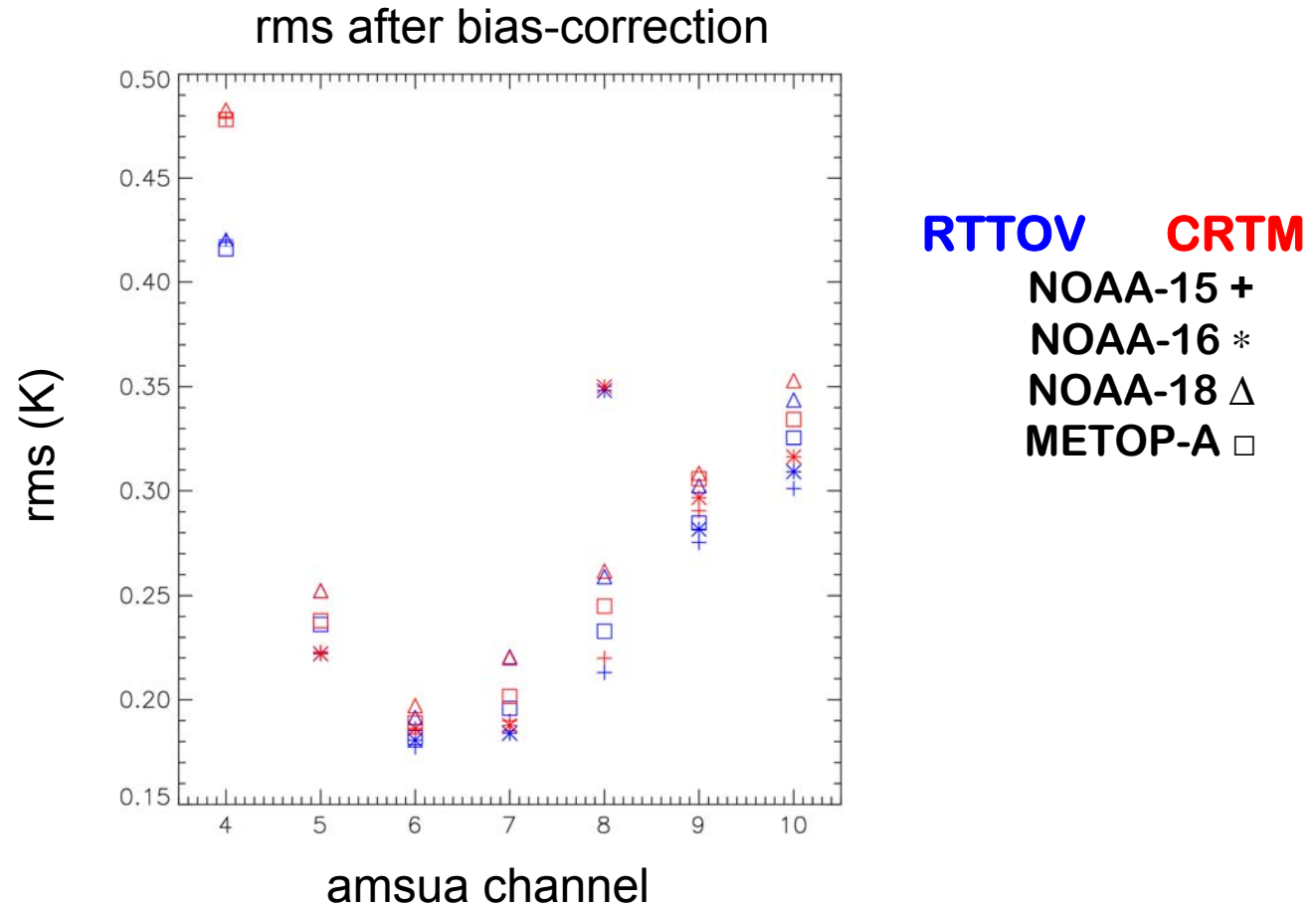
==== please do not distribute =====

- 120-hour stats are considerably noisier, very short time period of evaluation is shown
- longer time period of runs will help CRTM to “settle down” and more robust bias correction will be established



==== please do not distribute ====

- rms statistics again show little difference between RTTOV & CRTM
- ob count slightly lower for CRTM, still adjusting quality control as CRTM run “settles in”



==== please do not distribute =====

- rms statistics for assimilated channels very similar
- ob count slightly lower for CRTM, still adjusting quality control as CRTM run “settles in”