**Status of operational AMVs from FY-2 satellites since the 11th wind workshop**

Zhang Xiaohu, Xu Jianmin, Zhang Qisong

National Satellite Meteorological Center

China Meteorological Administration, Beijing 100081,CHINA

Abstract

This paper briefly introduces status of AMVs operations at NSMC. Since the 11th International Winds Workshop (IWW11) held in February 2012, CMA continues AMVs operations and services. At present, FY-2E (105oE) and FY-2D (86.5oE) are both in operation. AMVs derivations are performed for both FY-2E and FY-2D. For FY-2E, AMVs are provided at 00 06 12 18 UTC, while FY-2D at 03 09 15 21 UTC. The wind derivation scopes are in the regions of satellite zenith angle less than 60 degree.

There are several changes at the FY-2 operational AMVs derivation system in the last two years. In image calibration, a new calibration algorism called 'CIBEL' was realized in satellite operation system of FY-2E/FY-2D. In image navigation, improve or preventive measures were applied to the FY-2 operational AMVs derivation system to reduce the effect of some abnormal image cases which caused lower quality of AMVs than normal. Moreover, some improvements in AMVs' derivation algorithm are presented.