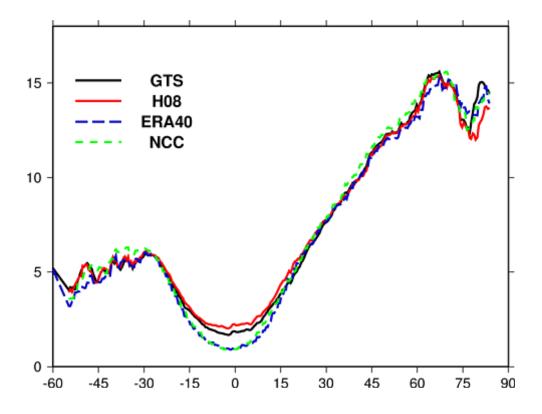
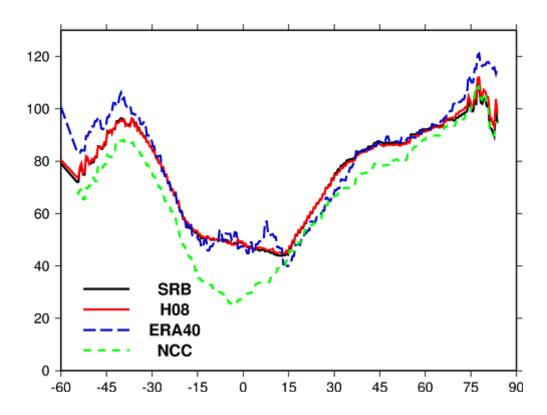
Supplement 1 to Hydrological Research Letters 2, 65–69 (2008) Published online in J-STAGE (www.jstage.jst.go.jp/browse/HRL). DOI: 10.3178/HRL.2.65



Supplement 1. Zonal means of the standard deviation of daily temperature from 1986 to 1995 of the observation-based product of the Global Teleconnection System (GTS) by the National Oceanic and Atmospheric Administration, our product (H08), and the ERA40 and NCC reanalysis products. Units are K.



Supplement 2. Zonal means of the standard deviation of shortwave radiation from 1986 to 1995 of the satellite-based product of the Surface Radiation Budget (SRB) project (Release 2.8, Gupta et al., 2006; http://eosweb.larc.nasa.gov/), our product (H08), and the ERA40 and NCC reanalysis products. Units are W/m².

Supplement 3 to Hydrological Research Letters 2, 65–69 (2008) Published online in J-STAGE (www.jstage.jst.go.jp/browse/HRL). DOI: 10.3178/HRL.2.65

Supplement 3. Parameters in exponential functions of snowfall catch ratios (Motoya *et al.*, 2002) for different gauge types.

Gauge type	a	b
Canadian Nipher	112.78	-0.08215
Chinese standard	100.00	-0.05600
Hellmann like*	120.95	-0.25425
Wild like	108.98	-0.25637
Tretyakov	105.38	-0.13125
Norwegian standard	106.95	-0.18622
Japanese (average)	96.63	-0.10040
NWS 8 inch like	98.00	-0.05405

* Obtained from equation (4.5.3) in Goodison et al. (1998).