

Specifications of JMA's objective analysis systems (updated March 2014)

Analysis model	Global Analysis	Meso Analysis	Local Analysis
Analysis times	00, 06, 12, 18 UTC	00, 03, 06, 09, 12, 15, 18, 21 UTC	00, 01, 02, 03, ... 23 UTC (hourly)
Data cut-off times	Early analysis: 2h20min (00, 06, 12, 18 UTC) Cycle analysis: 11h50min (00, 12 UTC) 7h50min (06, 18 UTC)	50min	30min
Horizontal grid system	Reduced Gaussian grid	Lambert conformal projection	
Horizontal resolution (Inner model resolution)	0.1875 deg. (0.5625 deg.)	5 km at 60°N and 30°N (15 km at 60°N and 30°N)	5 km at 60°N and 30°N
Number of horizontal grid points (No. of inner model grid points)	1,312,360 (157,800)	817 x 661 (273 x 221)	633 x 521
Vertical levels	Surface + 100 levels up to 0.01 hPa	Surface + 50 levels up to 21.8 km	50 levels up to 21.8 km
Assimilation window	Analysis time - 3 hours to analysis time + 3 hours	Analysis time - 3 hours to analysis time	Hourly assimilation-forecast cycle from analysis time - 3 hours to analysis time
Analysis scheme	4-dimensional variational method		3-dimensional variational method

# Global snow depth analysis is carried out everyday for 1x1 degree longitude-latitude grids.