

CHARACTERISTICS OF Asian Sand and Dust Storm Prediction System (Updated on June 2025)

1. System	
System name (Version)	CMA-CW v1.0/DUST
Date of implementation	16 June 2025
2. Configuration	
Horizontal resolution (Grid spacing)	0.15° × 0.15° (835x301 in grid)
Vertical resolution (model top)	49 levels, 35km
Forecast length (initial time)	168hours (7days), 0-72 1-hourly; 72-120 3-hourly
Forced by Global model	NCEP-GFS、CMA-GFS
Integration time step	100 seconds
3. Initial conditions	
Data assimilation method	EnOI (PM10、PM2.5)
4. Further information	
Operational contact point	shengli@cma.gov.cn
URLs for system documentation	http://www.asdf-bj.net
URL for list of products	http://www.asdf-bj.net