

**PRODUCTS OF WMO RSMCs WITH ACTIVITY SPECIALIZATION
ON ATMOSPHERIC SANDSTORM AND DUSTSTORM FORECASTS
(RSMC-ASDF) BEIJING
(Updated on May 2019)**

1. ATMOSPHERIC SANDSTORM AND DUSTSTORM FORECAST PRODUCTS

Parameter	Area	Models	Resolution	Forecast range	Time steps	Frequency
Dust load (kg m ⁻²)	13-60°N, 35-150°E	CMA	0.5°	3 days	3 hours	1 /day
		KMA	0.5°			
		JMA	0.5°			
		NCEP	1°			
		ECMWF	0.5°			
Dust concentration at the surface (µg m ⁻³)	13-60°N, 35-150°E	CMA	0.5°	3 days	3 hours	1 /day
		KMA	0.5°	3 days		
		JMA	0.5°	3 days		
		NCEP	1°	3 days		
		ECMWF	0.5°	3 days		
		FMI	0.5°	5 days		
		Ensemble	0.5°	3 days		
Dust optical depth at 550 (nm)	13-60°N, 35-150°E	CMA	0.5°	3 days	3 hours	1 /day
		KMA	0.5°	3 days		
		JMA	0.5°	3 days		
		NCEP	1°	3 days		
		ECMWF	0.5°	3 days		
		FMI	0.5°	5 days		
Three-hour accumulated dry and wet deposition (kg m ⁻²)	13-60°N, 35-150°E	CMA	0.5°	3 days	3 hours	1 /day
		KMA	0.5°			
		JMA	0.5°			
		NCEP	1°			
		ECMWF	0.5°			
Further information						
Web portal	http://eng.nmc.cn/sds_was.asian_rc/					
Point of contact	Dr. Linchang An (Email: anlch@cma.gov.cn; Tel: 86-10-68400458)					

WMO-NO.485 APPENDIX 2.2.33.

2. ATMOSPHERIC SANDSTORM AND DUSTSTORM OBSERVATION PRODUCTS

Parameter	Area	Frequency
FY-4A IDDI	13-60°N,35-150°E	24 /day
Visibility	13-60°N,35-150°E	8 /day
Dusty weather phenomena	13-60°N,35-150°E	8 /day
Further information		
Web portal	http://eng.nmc.cn/sds_was.asian_rc/	
Point of contact	Dr. Linchang An (Email: anlch@cma.gov.cn; Tel: 86-10-68400458)	

3. ATMOSPHERIC SANDSTORM AND DUSTSTORM VERIFICATION PRODUCTS

Parameter	Area	Models	Forecast range	Time steps	Frequency
Forecasted surface-layer dust concentrations vs observed dusty weather phenomena	13-60°N, 35-150°E	CMA	1 days	3 hours	1 /day
		KMA			
		JMA			
		NCEP			
		ECMWF			
		FMI			
		Ensemble			
Further information					
Web portal	http://eng.nmc.cn/sds_was.asian_rc/				
Point of contact	Dr. Linchang An (Email: anlch@cma.gov.cn; Tel: 86-10-68400458)				