

ICS 07.060
CCS A 47



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 45558-2025

General rules for metadata of meteorological observation

气象观测元数据通则

Issued on: April 25, 2025

Implemented on: August 1, 2025

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

Preface	III
1 Scope	1
2 Normative references	1
3 Terms and Definitions	2
4 Abbreviations	2
5 Basic Requirements	2
6 Category and feature information	2
7 Element Information Description	3
8 Quality Control	3
Appendix A (Normative) Meteorological Observation Metadata Element Information	4
Reference	24

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Meteorological Administration.

This document is under the jurisdiction of the National Meteorological Basic Information Standardization Professional Technical Committee (SAC/TC346).

This document was drafted by: China Meteorological Administration Meteorological Observation Center, National University of Defense Technology of the People's Liberation Army, Chifeng City, Inner Mongolia Autonomous Region Meteorological Bureau, Wenjiang District Meteorological Bureau of Chengdu City, Sichuan Province, Juxian Meteorological Bureau of Shandong Province, Anhui Provincial Meteorological Information Center, and National Meteorological Information Center.

The main drafters of this document are: Shi Lijuan, Liu Lei, Liu Jian, Zheng Liying, Song Shuli, Wen Huayang, Wang Ying, and Qin Shiguang.

General principles for meteorological observation metadata

1 Scope

This document specifies the basic requirements for meteorological observation metadata, as well as its categories and element information, element information description and quality control. About requirements.

This document applies to the collection, quality control, submission, storage and services of meteorological observation metadata.

2 Normative references

GB/T 2260-2007

GB/T 2659.1-2022

GB 3100-1993

GB/T 3102.1-1993

GB/T 7408.1-2023

GB/T 16831-2013

GB/T 17297-1998

GB 31221-2014

GB 31222-2014

GB 31223-2014

GB 31224-2014

GB/T 33674-2017

GB/T 35219-2017

GB/T 40215-2021

JJF1001-2011

JJF1059.1-2012

JJF1059.2-2012