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HY

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HY/T 0343.4-2022

Protocol of air-sea CO2 flux monitoring and assessment - Part 4: Flux estimation based on pCO2 difference

海-气二氧化碳交换通量监测与评估技术规程 第 4 部分：基于分压差的通量评估

(English Translation)

Issued on: September 26, 2022

Issued by: Ministry of Natural Resources of the People's Republic of China

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1 Foreword

HY/T 0343.4-2022 was issued by Ministry of Natural Resources of the People's Republic of China on 26 September 2022.

It is one of 3 parts of the HY/T 0343 series.

The HY/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

This document specifies the method for calculating the sea-air carbon dioxide exchange flux and its mean value and standard deviation based on the sea-air carbon dioxide partial pressure difference. method. This document is applicable to the assessment of the source-sink pattern of air-sea CO2 exchange flux and its temporal and spatial variation averaged over different seasons and years.

HY/T 0343.4-2022 falls under ICS 07.060, in the field of natural and applied sciences.

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This catalogue holds 287 other HY/T standards in that field.

In this catalogue, HY/T standards carry edition years from 1991 to 2025.

3 About this standard

Issued by: Ministry of Natural Resources of the People's Republic of China

English translation: about 14 pages

Chinese original: about 18,169 characters

4 Related standards

Other parts of this standard:

HY/T 0343.3-2022 - Part 3: Buoy-based monitoring

HY/T 0343.7-2022 - Part 7: Date processing of field-measured partial pressure of CO2

Standards on related subjects:

GB/T 33673-2017 - Grade of horizontal visibility

DZ/T 0175-2014 - Specifications for Geological Mapping of Coal (1:50000 1:25000 1:10000 1:5000)

5 Classification and status

International classification (ICS): 07.060

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Prefix HY/T: recommended standard.

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