

# Episode 22

**Summer Vacation - Chao Observation Diary** (夏休みマッシュのチョウの観察日記Wakayumi Mashin no Chao~ na Kansatsu Nikki) is the 22nd [episode](#) of Sonic X.

It is available in Japanese, French, Korean, Mandarin, Cantonese and Thai.

## Characteristics

Its conventional length is 24:35. It uses [opening 1](#) and [ending 2](#).

The [eyecatch cards](#) are *E-66 Da-Dai-Oh* and *Chao*.

It ends with a [preview](#) of [episode 23](#).

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