

# Gridded ERA5 Data Availability Timing

Updated September 2025

This document outlines the timing of data availability for gridded ERA5 datasets across hourly, daily, monthly, and annual intervals.

## Hourly Data Update Timing

Region	Type	Hours Covered (UTC)	Available at (UTC)	Available at (EDT)	Available at (EST)
ALL	Provisional/GFS	00 to 05	05:00 same day	01:00 same day	00:00 same day
ALL	Provisional/GFS	06 to 11	11:30 same day	07:30 same day	06:30 same day
ALL	Provisional/GFS	12 to 17	17:20 same day	13:20 same day	12:20 same day
ALL	Provisional/GFS	18 to 23	23:00 same day	19:00 same day	18:00 same day
ALL	<i>Final/ERA5</i>	<i>00 to 23</i>	<i>08:45 + 7 days</i>	<i>04:45 + 7 days</i>	<i>03:45 + 7 days</i>

## Daily Data Update Timing – LWT

Region	Type	Period	Available at (UTC)	Available at (EDT)	Available at (EST)
"Europe"	Provisional/GFS	1 day	06:00 + 1 day	02:00 + 1 day	01:00 + 1 day
"South Africa"	Provisional/GFS	1 day	11:20 + 1 day	07:20 + 1 day	06:20 + 1 day
"North America"	Provisional/GFS	1 day	17:45 + 1 day	13:45 + 1 day	12:45 + 1 day
"East Asia"	Provisional/GFS	1 day	19:00 + 1 day	15:00 + 1 day	14:00 + 1 day
"Australia"	Provisional/GFS	1 day	20:40 + 1 day	16:40 + 1 day	15:40 + 1 day
"South America"	Provisional/GFS	1 day	22:15 + 1 day	18:15 + 1 day	17:15 + 1 day
ALL	<i>Final/ERA5</i>	<i>1 day</i>	<i>06:30 + 9 days</i>	<i>23:00 + 8 days</i>	<i>22:00 + 8 days</i>

\*Regional boundaries defined at the end of the document

## Daily Data Update Timing – GMT

Region	Type	Period	Available at (UTC)	Available at (EDT)	Available at (EST)
ALL	Provisional/GFS	1 day	10:00 + 1 day	06:00 + 1 day	05:00 + 1 day
ALL	Final/ERA5	1 day	03:00 + 9 days	23:00 + 8 days	22:00 + 8 days

## Monthly Data Update Timing – LWT

Region	Type	Period	Available at (UTC)	Available at (EDT)	Available at (EST)
ALL	Final/ERA5	1 month	08:00 on 9th of next month	04:00 on 9th of next month	03:00 on 9th of next month

## Annual Data Update Timing – LWT

Region	Type	Period	Available at (UTC)	Available at (EDT)	Available at (EST)
ALL	Final/ERA5	1 year	08:00 on Jan 10th of next year	04:00 on Jan 10th of next year	03:00 on Jan 10th of next year

## Data Regions

Region	Latitudinal Southern Boundary	Latitudinal Northern Boundary	Longitudinal Western Boundary	Longitudinal Eastern Boundary
"North America"	13	90	-180	-52
"Europe"	13	90	-52	68
"East Asia"	13	90	68	180
"Australia"	-90	13	90	-152
"South America"	-90	13	-152	-32
"South Africa"	-90	13	-32	90