

Variable	Detail	ERA5	IMDAA
2 m Temperature	Spatial Resolution	0.25° x 0.25°	0.12° x 0.12°
	Temporal Resolution	Hourly	Hourly
	Time Period Available	1940 to present	1979 to 2018
	Data Type	Gridded	Gridded
	Update Frequency	Daily	Not updated (archive data)
10 m U and V Wind Components	Spatial Resolution	0.25° x 0.25°	0.12° x 0.12°
	Temporal Resolution	Hourly	Hourly
	Time Period Available	1940 to present	1979 to 2018
	Data Type	Gridded	Gridded
	Update Frequency	Daily	Not updated (archive data)
Relative Humidity	Spatial Resolution	0.25° x 0.25°	0.12° x 0.12°
	Temporal Resolution	Hourly	Hourly
	Time Period Available	1940 to present	1979 to 2018
	Data Type	Gridded	Gridded
	Update Frequency	Daily	Not updated (archive data)
Total Precipitation	Spatial Resolution	0.25° x 0.25°	0.12° x 0.12°
	Temporal Resolution	Hourly	Hourly
	Time Period Available	1940 to present	1979 to 2018
	Data Type	Gridded	Gridded
	Update Frequency	Daily	Not updated (archive data)

Spatial Resolution: IMDAA offers a finer spatial resolution of 0.12° x 0.12° compared to ERA5's 0.25° x 0.25°.

Temporal Resolution: Both ERA5 and IMDAA provide hourly data.

Time Period Available: ERA5 covers a longer period from 1940 to present, while IMDAA covers from 1979 to 2018 and is not updated.

Update Frequency: ERA5 data is updated daily and in near real-time, whereas IMDAA data is archival and not updated.