

# Seismic Forecast for Japan

Analysis Period: 2025 June/July

Version: 3

First Revision: 2025-02-27 14:00:00

Last Revision: Rev. 3 - 2025-07-12 17:46

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# 1. Revision History

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Version	Date	Author	Description
0	2025-02-27 14:00:00	MF	Whole Japan Forecast , resolution 30 days Feb-Dec 2025 (UTC+09:00)
	<a href="https://www.academia.edu/127905650/Seismic_Forecast_for_Whole_Japan_from_2025_02_until_2025_12">https://www.academia.edu/127905650/ Seismic_Forecast_for_Whole_Japan_from_2025_02_until_2025_12</a>		
1	2025-06-19 08:10:00	MF	Whole Japan Forecast June / July 2025 (UTC+09:00)
	<a href="https://www.academia.edu/130041437/Japan_2025_June_July_seismic_forecast">https://www.academia.edu/130041437/ Japan_2025_June_July_seismic_forecast</a>		
2	2025-07-10 16:45:00	MF	Finalized analysis methods and published first official version with time resolution of 6 hrs frame.
3	2025-07-12 17:46:00	MF	+ 24hr forecast, extended 6hr forecast until 14th July

## 2. Explanation of Terms and Concepts

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### Magnitude

Magnitude is a measure of the energy released at the source of the earthquake. It is determined from measurements on seismographs.

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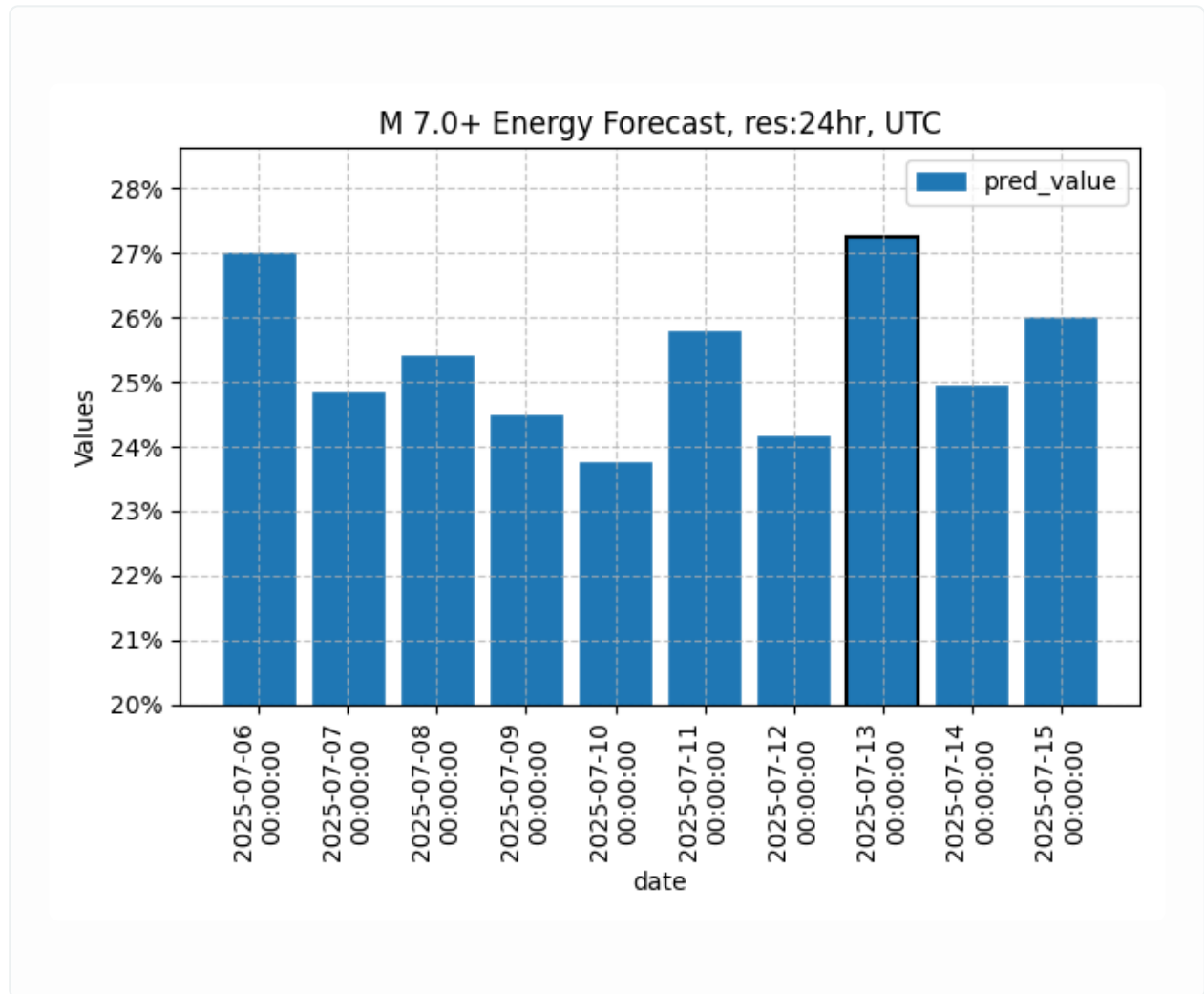
### Latitude/Longitude estimated graph

*Note: **trend** graph*

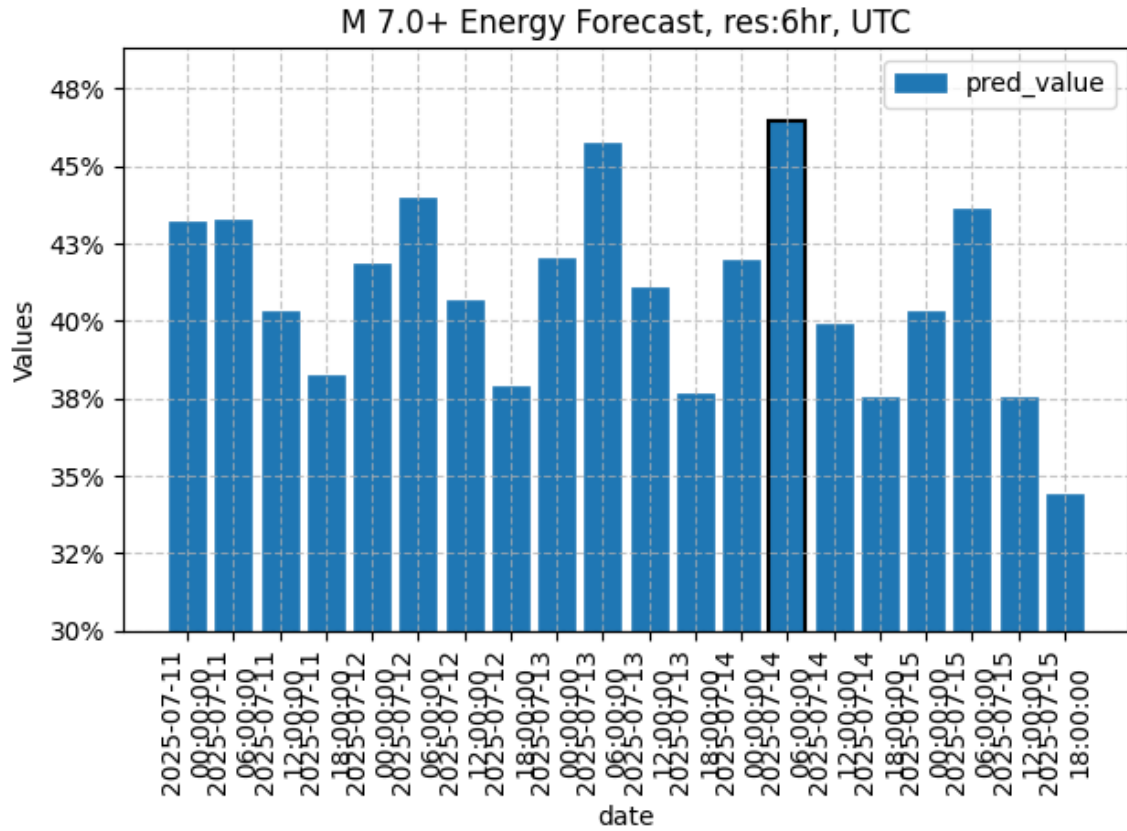
Forecast graph and tables refer to a base value, against it. For instance if a value of 37 per latitude is the base line and graph value is 0% it means that the location estimated for that period of time is UNDER 37.

# 3. Forecasts

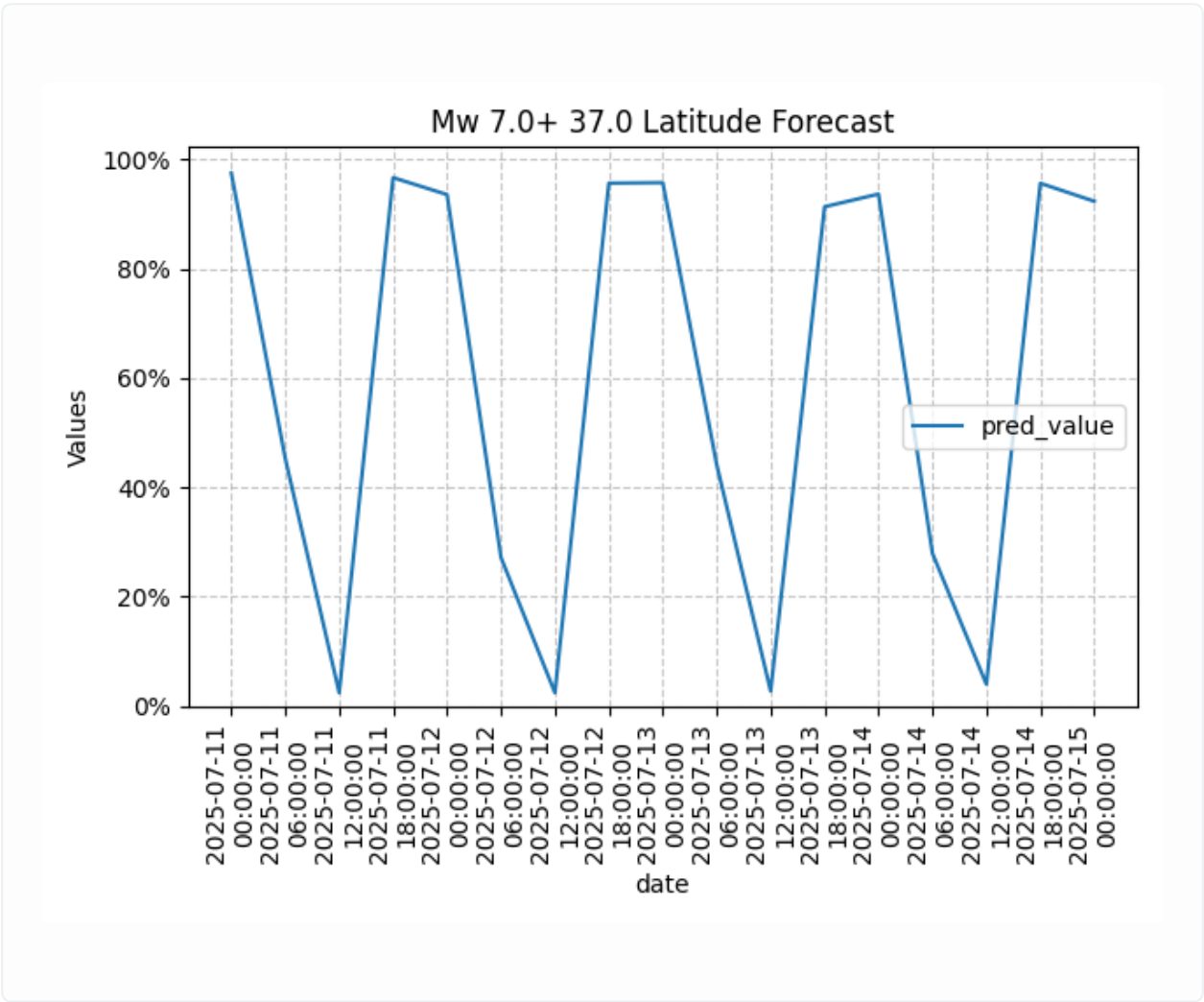
## 3.1 M 7.0+ Energy Forecast, res:24hr, UTC



## 3.2 M 7.0+ Energy Forecast, res:6hr, UTC



### 3.3 Mw 7.0+ 37.0 Latitude Forecast



## 4. Summary and Conclusion

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### Summary of Findings

Risk detected of a significant seismic event (Magnitude 6.5+) in following time/space of Japan: *time: 2025-07-11 and 2025-07-14 (UTC)*

### Conclusions

1. **Increased Risk:** The Nankai Trough region is the primary area of concern.
2. **Secondary Observations:** Moderate activity is expected to continue in the Kanto and Tohoku regions, consistent with historical patterns.
3. **Recommendations:** It is advised to review preparedness protocols for the identified high-risk areas. Continuous monitoring is essential.



# 5. Attribution and Disclaimers

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## Data Sources

- Seismic data utilized in this report is sourced from the **USGS Earthquake Catalog** and the **Japan Meteorological Agency (JMA)**.
- Planetary ephemeris data provided by **NASA/JPL Horizons System**.

## Disclaimer of Liability

This report is generated for research and informational purposes only. The forecasts presented are based on statistical models and historical data; they are not deterministic predictions. The authors and distributors of this report assume no liability for any actions taken or decisions made based on the information contained herein.

## Responsibility Statement

The analysis and conclusions represent the best judgment of our research team based on the available data. This is not an official warning or alert. For official information, please consult your local government and geological survey authorities.