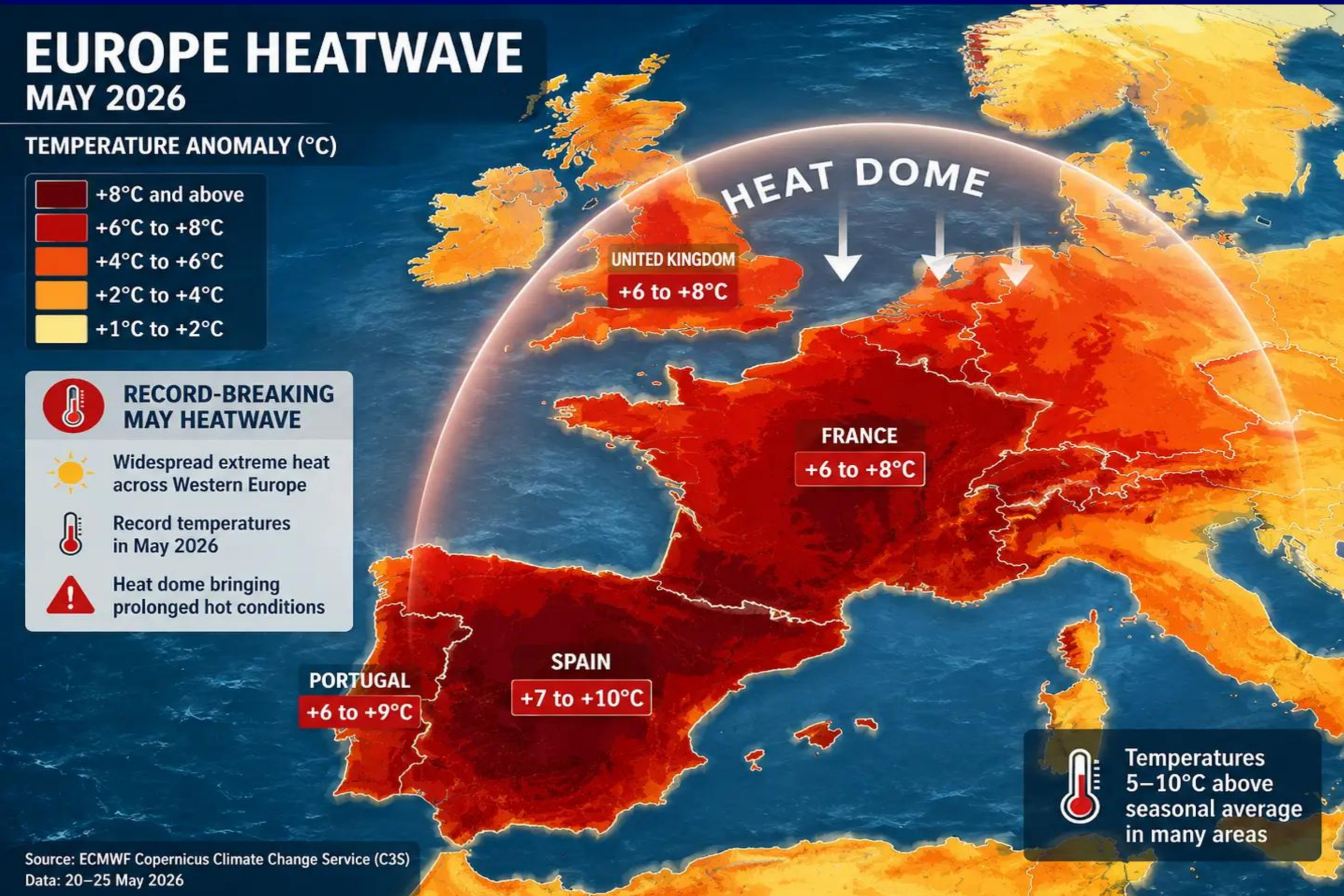


WEATHERBOOK



Trade and hedge real-world weather risk in real time



WeatherBook Markets Live Leaderboard Rewards

Trending World Cup 2026 Sports Weather Catastrophe Weather Travel Weather

FIFA WORLD CUP 26

A dedicated sports-weather risk desk for the 2026 tournament: venue conditions, markets, and rule-based contract settlement.

June 11 – July 19, 2026 · Canada · Mexico · United States · 48 teams · 16

Jim W. Huang
August 2026

Most people can relate to an incident being overwhelmed by **Bad Weather**

Planes, Trains & Automobiles (1987)

Going home for Thanksgiving



New York to Chicago: A 2-hour flight Turned into a 4-day Journey

Mode of Transportation

→ 🚕 Taxi →
→ ✈️ Airplane →
→ 🚆 Train →
→ 🚌 Greyhound →
→ 🚜 Tractor →
→ 🚢 Ferry →
→ 🚚 Pickup Truck →
→ 🚗 Rental Car →
→ 🚛 Refrigerated Truck
→ 🚇 Subway

Bad Weather/Incident



人在囧途 (2010)

Going home for Chinese New Year



Shijiazhuang to Changsha: A 2-hour flight turned into a 3-day Journey



The Problem Bad Weather could Inflict Significant Financial Pains on Weather Sensitive Businesses and Households

Air Transportation

- Aviation insurance: ~\$5B
- (Source: Fortune Business Insights)

Holiday Travel

- Travel insurance: ~\$36B
- (Source: Grand View Research)

Renewable Energy

- Parametric insurance: ~\$19-23B
- (Source: Aon)

Agriculture

- \$200-300B in yield losses across major crops
- (Source: NOAA)

Commodity Trading

- Nat Gas: ~400K daily volume
- Corn: ~350K daily volume
- (Source: CME Group)

Natural Catastrophes

- Severe Storms: ~\$80-120B
- Drought & Heat: ~\$20-40B
- (Source: Munich Re)

Weather hedging market is underserved and has high growth potential

<https://weatherbook.net/>

The Solution a Prediction Market focused on Weather Events



- Chinese New Year
- Labor Day
- Thanksgiving
- Christmas

Holiday
/ Travel
节日旅游

- Typhoon
- Hurricane
- Winter Storm
- Heat Wave



Natural
Catastrophe
天气灾害

WeatherBook

Sports
Weather
户外运动

- World Cup
- Super Bowl
- PGA Golf
- Tour de France



Commodities
Weather
大宗商品

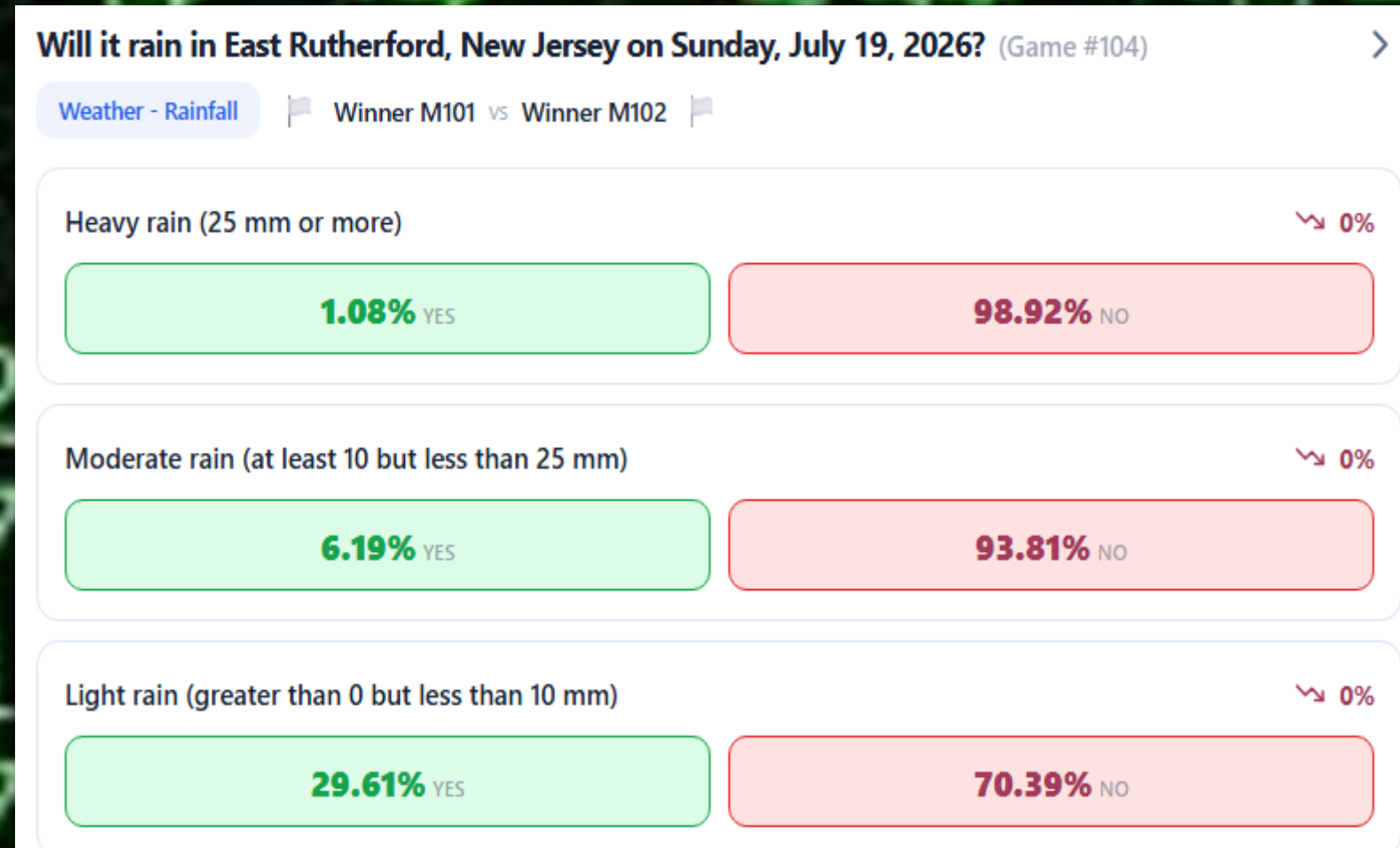
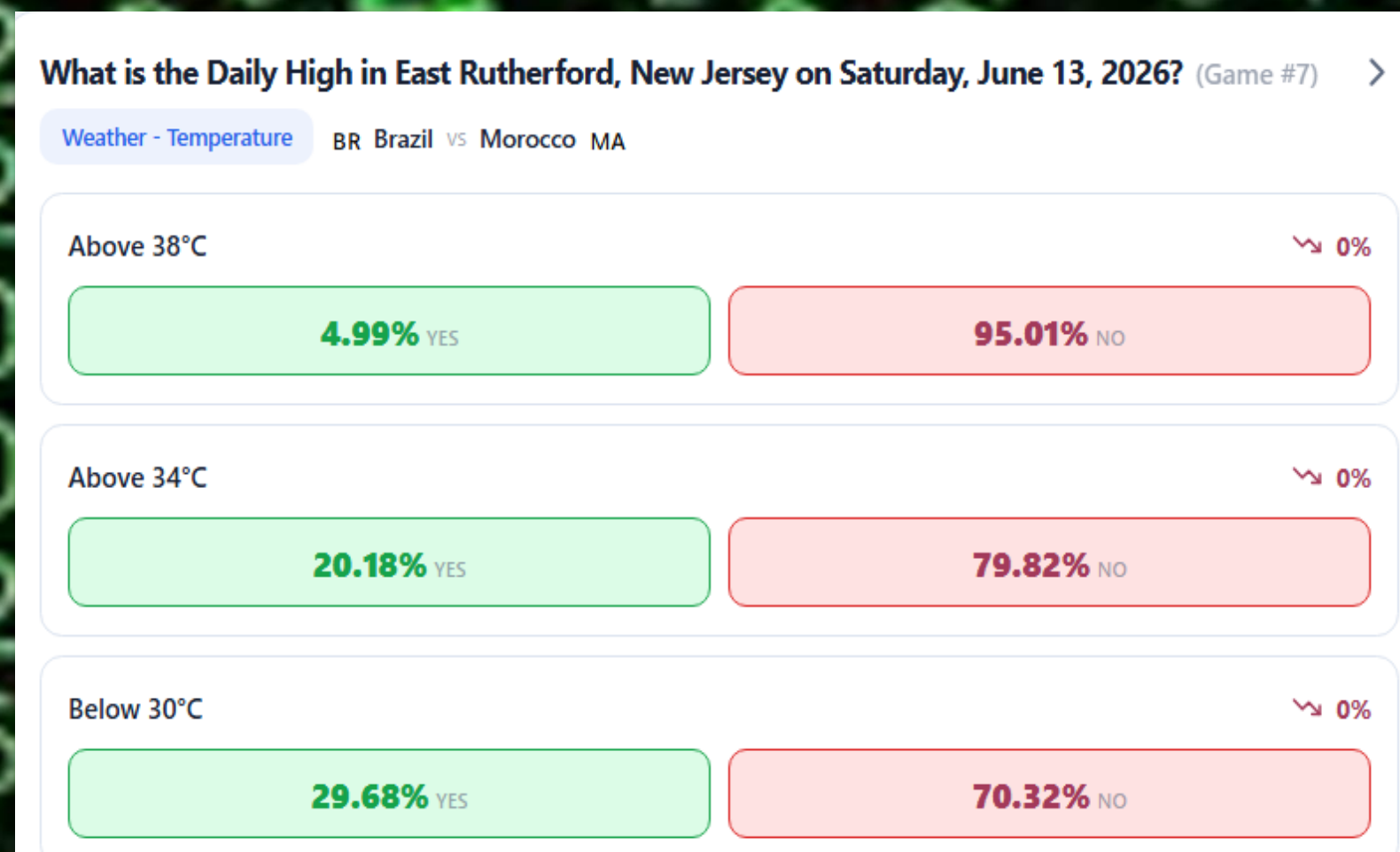
- Soybeans
- Natural Gas
- Palm Oil
- Natural Rubber



WeatherBook turns climate uncertainty into trading signals



Weather Prediction Contracts for FIFA World Cup 2026



Prediction Trading Design

Contract:

- ❖ European style option with binary outcomes Yes | No

Contract Spec:

- ❖ Whether a pre-defined weather event will occur

Pricing = Probability:

- ❖ Combined probability of “Yes” + “No” is 100%.
- ❖ Total prices for “Yes” and “No” will be 100.

Payout = “Winner Takes All”

- ❖ If outcome is Yes: “Yes” payout is 100 while “No” gets 0

China Typhoon Landfall Prediction Contracts

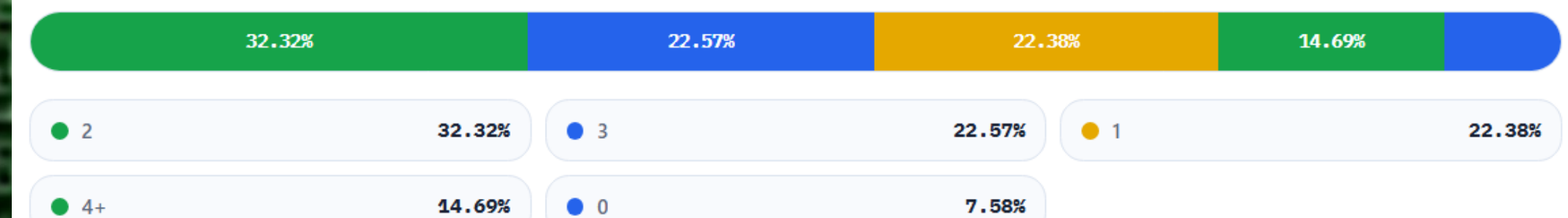
How many Typhoons will make landfall in China during July 2026?

Tier 1 national contract for the number of named tropical cyclone landfalls in mainland China during July 2026.

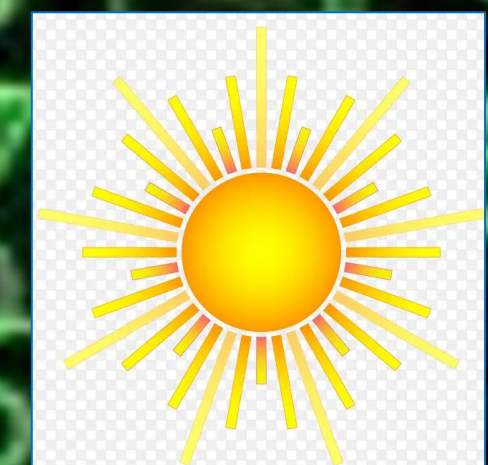
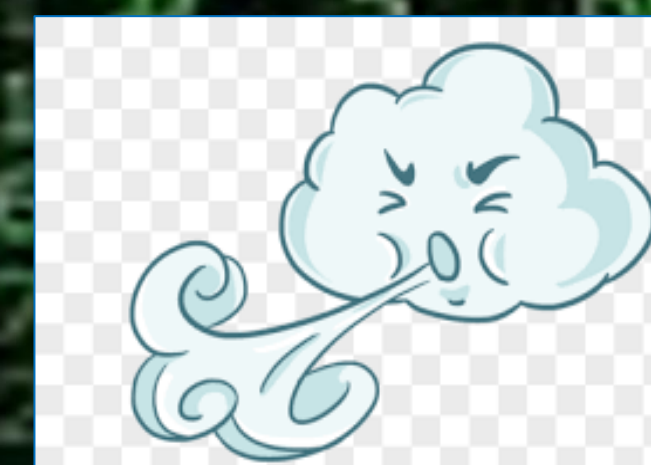
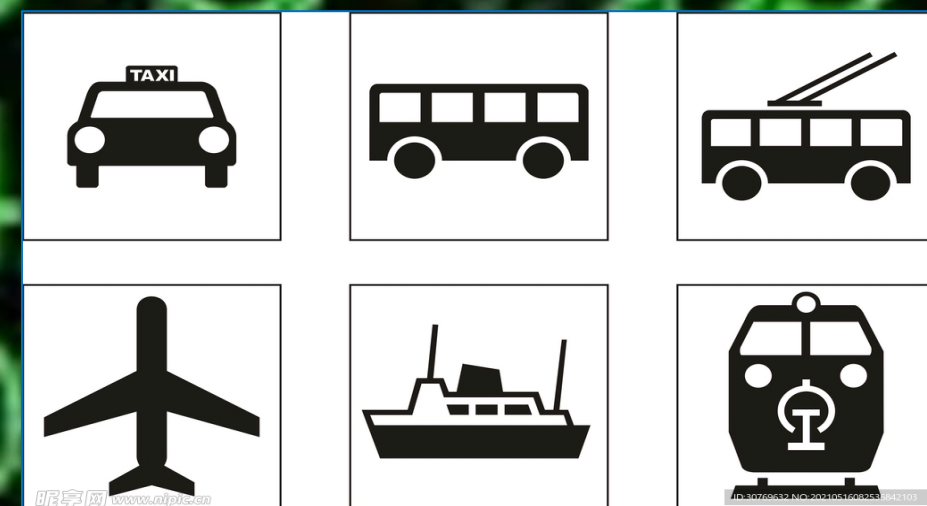
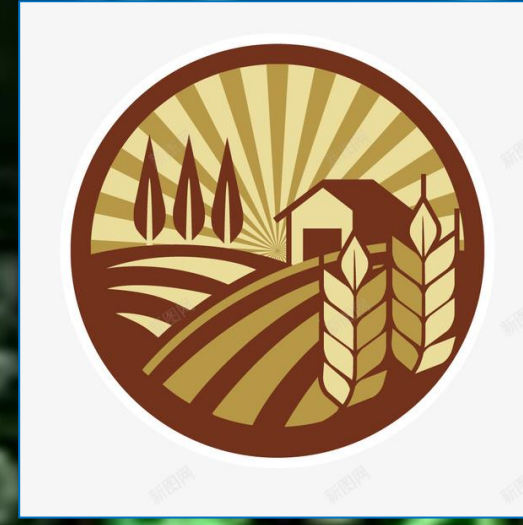
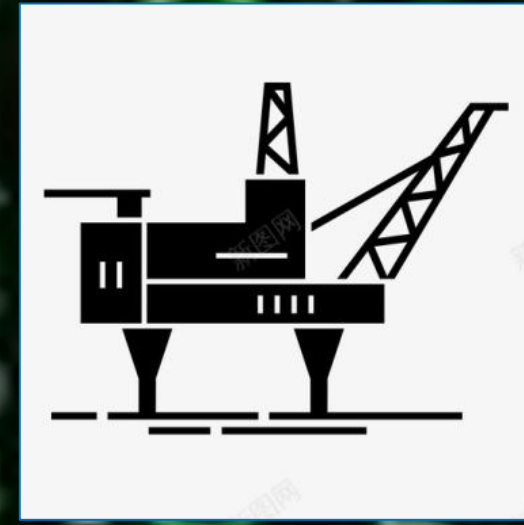
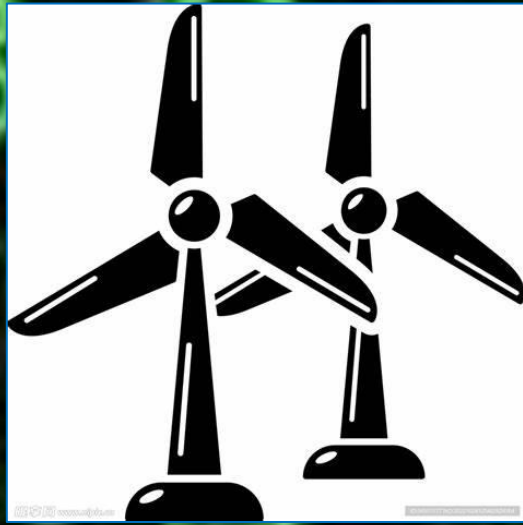
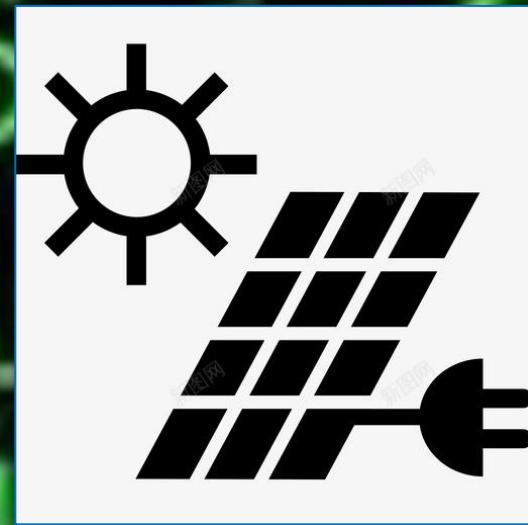
Observation: Jul 1, 2026 → Jul 31, 2026 Settles: Aug 15, 2026

Probability Overview

Live YES probability across outcomes



Why Now – Climate Volatility is On the Rise



Weather exposure is mostly under-insured and unpriced

WeatherBook Business Model



Interactive
Trading



AI Weather
Trader



AI Portfolio
Manager

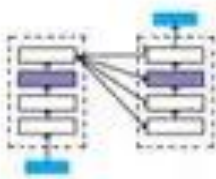
Large Language Models (LLM)



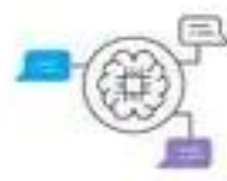
Massive Dataset



Deep Learning



Transformer Architecture



Self-supervised Learning



Fine-tuning

Transaction Fees	Subscription Fees	Subscription Fees	Tokenization
Base revenue	Value-added Service	Value-added Service	Advanced Services for Professionals
- Price chart, weather chart, weather news - Allows users to make informed trading decisions.	“Analyst + Insurance Actuary + Quant Trader” all-in-1 - Empower users to analyze, price and trade weather	- Enables real-time monitor of a trader’s contract book - Automatically execute trades if criteria triggered	Weather-domain LLM to automate and augment knowledge work at scale
Fee: 0.5% per trade	- Monthly subscription: \$10 - Or 0.5% fee per trade	- Monthly subscription: \$10 - Or 0.5% fee per trade	- API usage-based pricing - Premium subscriptions - Enterprise licensing
- Distributors: 50% share - Waived during promotion	WeatherBook keeps most fees	WeatherBook keeps most fees	Revenue share with ecosystem partners

Why WeatherBook will Win?



Competitive Landscape

Prediction Markets	Futures Exchanges	Insurer / Reinsurers
- Polymarket - Kalshi - ForecastEx	- Weather Futures - Weather Options - OTC Derivatives	- Parametric - Catastrophe - Reinsurance
Limited Scope	Illiquid	Non-tradeable

Retail-Friendly with Global Coverage

- Contract size is as little as \$1, no barrier of entry.
- Traders buy “Yes” and “No” contracts without restrictions.
- Traders may sell positions before contract expiration.
- May profit from price changes, regardless the outcomes.

WeatherBook empowers everyday traders and turn them into “Weather Data Analyst + Insurance Actuary + Quant Trader” all-in-1

A diversified weather trading ecosystem



WeatherBook Core Team



Jim Huang

- Founder and CEO
- Former Director of Product Strategy at CME Group
- Advisor to four futures Exchanges
- Instrumental to three successful futures contract launches in China
- Studied under Nobel economist Eugene Fama at University of Chicago on a empirical research on futures market liquidity



Randy Shao

- Head of Research
- Former Manager of Research at CME Group
- PhD, Ohio State University



Shawn Li

- Co-Founder and Head of Product Development
- Former founder of XINZHONG Investment Service Limited
- Former Founder of Starvol Limited



Hao Wu

- Co-Founder, Board Member
- Managing Partner, Sino-Century China Equity Partners
- Successfully completed IPOs for six portfolio companies
- PhD, University of Southern California

Pre-Seed Round



Development

Raise	\$1 million
Use	Platform (40%)
	Liquidity (20%)
	Marketing (20%)
	Compliance (20%)

1. Demo
(2026.03)
2. Prototype
(2026.05)
3. Mocked Trading
(2026.06)
4. Live (Phase I)
(2026.10)
5. Live (Phase 2)
(2027.01)

2026. 01–2027. 01

Financing

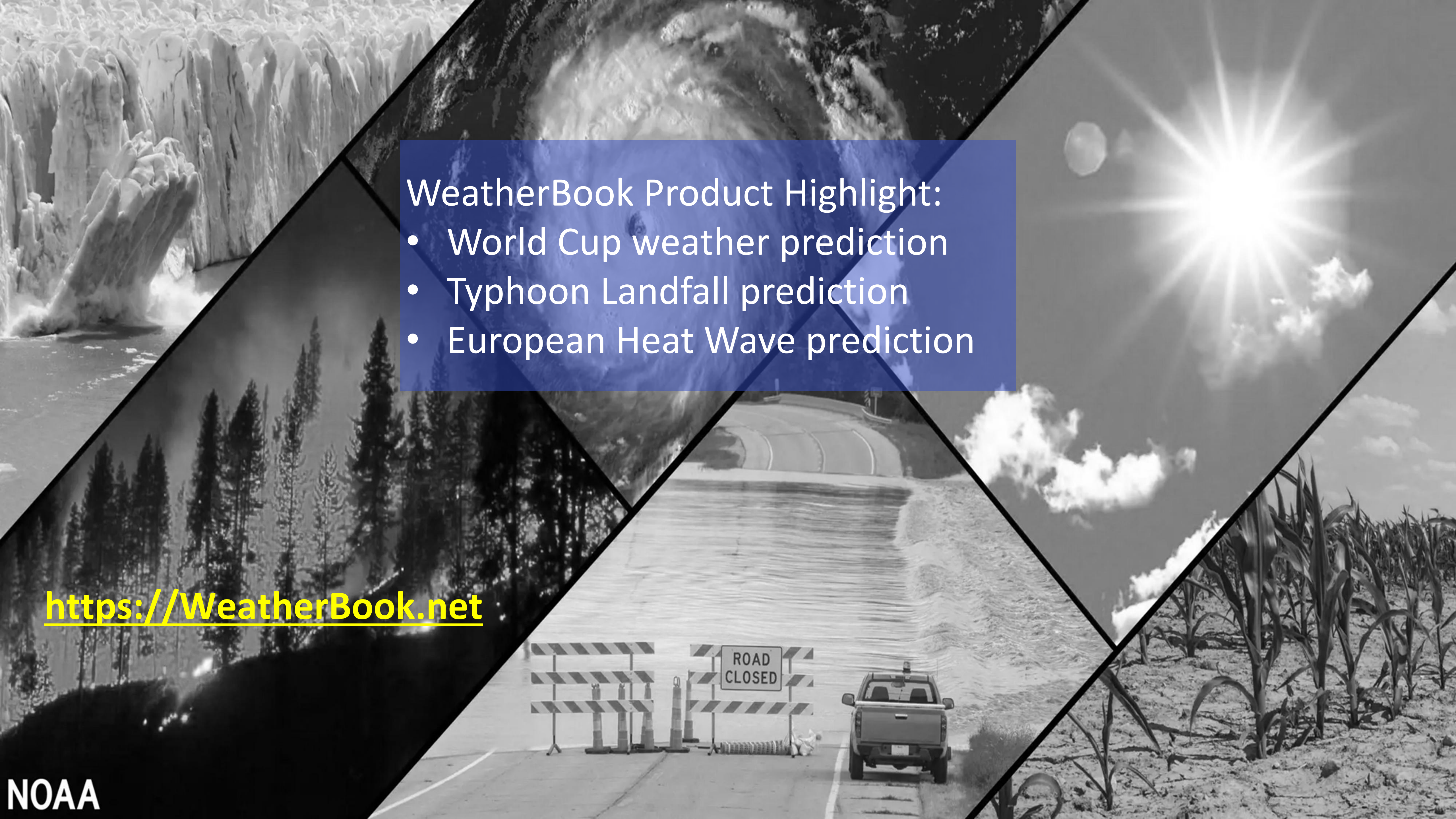
- ☐ Angel, US\$150K
 - Hao Wu (Sino Century)
- ☐ Pre-Seed
 - US\$1,000,000
 - Goal: Product Launch
- ☐ Seed
 - US\$2,000,000
 - Three product lines
 - Trading volume \$100M

2025. 12–2026. 12

Product Lines

- ☐ Sports Weather
 - World Cup (June 2026)
- ☐ Catastrophes
 - Typhoon / Hurricane
 - Snowstorm
 - Heat Wave
- ☐ Travel Weather
 - Christmas/Thanksgiving
- ☐ Commodity Weather
 - Energy / Power
 - Agricultural Product

2026. 06–2027. 03



WeatherBook Product Highlight:

- World Cup weather prediction
- Typhoon Landfall prediction
- European Heat Wave prediction

<https://WeatherBook.net>

Major Media Cover World Cup Weather Risks — Jim Huang Interviewed



The subject went viral as WSJ, Reuters, FT, Bloomberg, NYT, ESPN and USA Today joined in

World Cup, and Other Big Sporting Events, Try to Beat the Heat

Rising temps and unpredictable weather have sports organizers seeking ways to protect participants and limit disruptions—particularly as a powerful El Niño kicks off

By Clara Hudson

WSJ PRO June 18, 2026 5:30 am ET

How European teams are trying to beat the World Cup heat



The World Cup's heat hazard

Fans and players could be hit by high temperatures and humidity at the tournament in North America

FINANCIAL TIMES

Also Expected to Take the Field at the World Cup: Hazardous Heat

Many of the tournament's host cities risk hitting dangerous heat levels this year, raising questions about the safety of players and fans.

Listen · 6:01 min

Share full article



Thiago Santos, a player with Brazil's Fluminense team, during a cooling break at a match in New Jersey last July. Paul Ellis/Agence France-Press — Getty Images

REUTERS

Outdoor stadiums expose World Cup matches to climate risks

By Henry Gale

Tue, June 9, 2026, 2:30 AM CDT

3 min read

Add Yahoo on Google



A Canada goose walks past the dome of Science World, where one last panel has yet to be installed to complete the transformation into a 360-degree, 40-meter-diameter recreation of a match ball ahead of the FIFA World Cup in ...More

By Henry Gale

June 9 (The Insurer) - Could some World Cup matches be decided because of the weather? Its potential impact on certain encounters may be underestimated, Jim Huang, a specialist in parametric risk transfer, told The Insurer.

Real-World Weather Validates WeatherBook During World Cup

June 10, 2026
Orlando, Florida



Tornado touchdown in Kansas City, causing an evacuation at the base camp of England football team

Two World Cup matches were played in 'severe heat', analysis finds

Games in Miami and Monterrey were at heat level a players' union had warned in the past should trigger delays



Week #	Tournament Stadium Name	Open-air (Y/N)	Team1 Country	Team1 Group	Team1 Climate	Team1 Elo Rating	Team2 Country	Team2 Group	Team2 Climate	Team2 Elo Rating	E(A) = Elo baseline	Winner baseline	Heat Adj (-20%)	Winner Adjusted	
Week 1	Monterrey Stadium	Y	Sweden	F	Cold	1790	Tunisia	F	Warm	1690	64.0%	Sweden	44.0%	Tunisia	flipped
Week 2	Seattle Stadium	Y	Belgium	G	Cold	1860	Egypt	G	Hot/Humid	1720	69.1%	Belgium	49.1%	Egypt	flipped
Week 2	San Francisco Bay Area	Y	Austria	J	Cold	1845	Jordan	J	Hot/Humid	1585	81.7%	Austria	61.7%	Austria	
Week 2	Boston Stadium	Y	Scotland	C	Cold	1745	Morocco	C	Warm	1905	28.5%	Morocco	8.5%	Morocco	
Week 2	Toronto Stadium	Y	Germany	E	Cold	1895	Ivory Coast	E	Hot/Humid	1750	69.7%	Germany	49.7%	Ivory Coast	flipped
Week 3	New York New Jersey	Y	Norway	I	Cold	1780	Senegal	I	Hot/Humid	1855	39.4%	Senegal	19.4%	Senegal	
Week 3	Boston Stadium	Y	England	L	Cold	2020	Ghana	L	Hot/Humid	1625	90.7%	England	70.7%	England	
Week 3	Miami Stadium	Y	Scotland	C	Cold	1745	Brazil	C	Warm	1984	20.2%	Brazil	0.2%	Brazil	

On June 9th, The Insurer published a story on world cup weather risks based on an interview with Jim Huang.

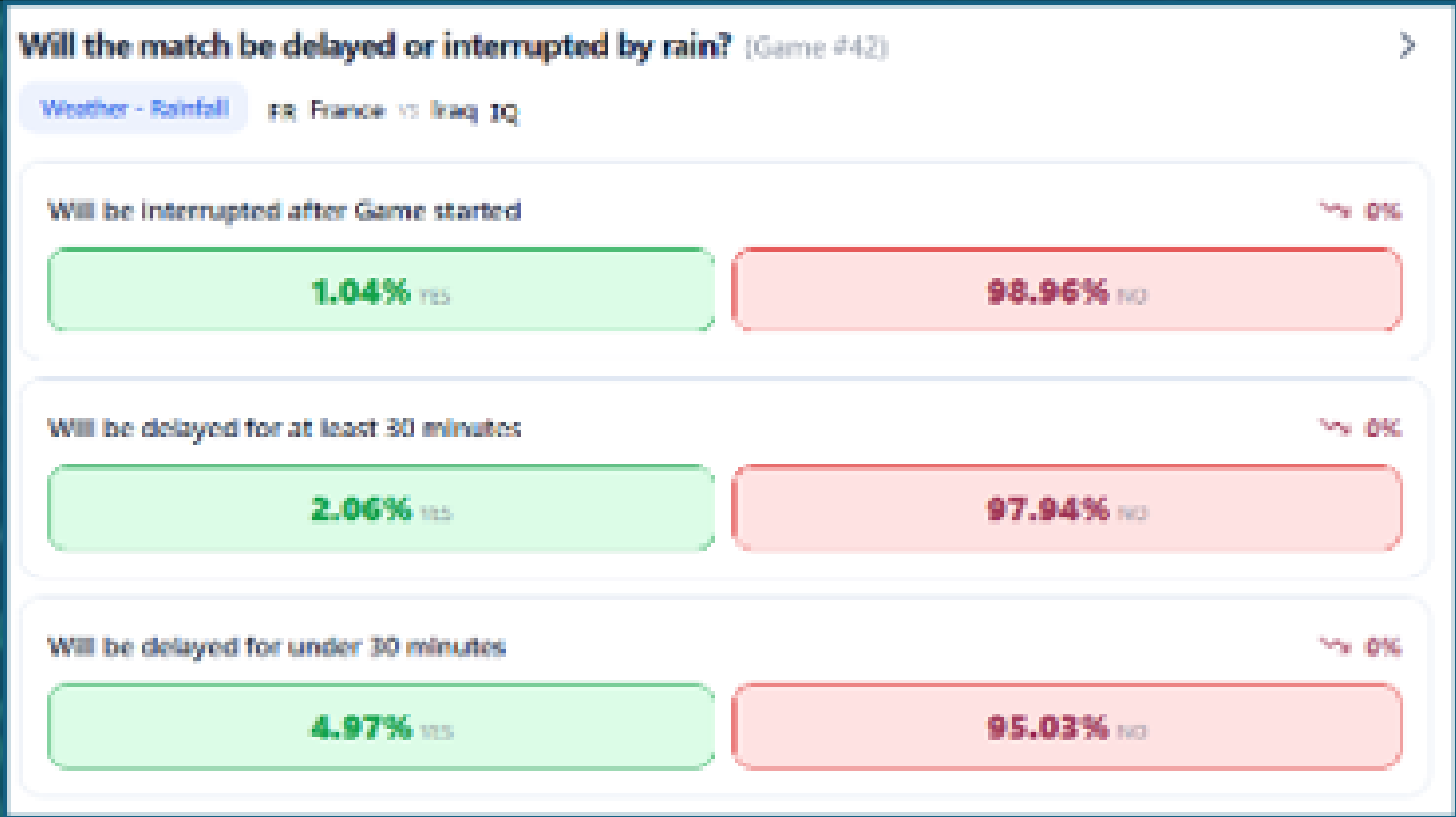
- To illustrate the practical use of WeatherBook, Jim built a **World Cup prediction model using Heat Stress as an Alpha**.
- The model suggests that if match time temperate rises above 30°C, Belgium will lose its advantage against Egypt.
- Egypt scored first in the 19th minute. The final score is 1:1, matching the model-predicted winning odds of 49.1%.

Weather Delay in Group Stage of FIFA World Cup 2026



June 22, 2026, Philadelphia

- France, facing Iraq at Lincoln Financial Field, was delayed at 5:49 p.m. ET with France leading 1-0 at half via a goal from Kylian Mbappe.
- The game officially resumed just after 8 p.m. ET with the total wait time for action to resume lasting two hours and 11 minutes.
- During the delay, the bowl of the stadium was cleared for safety, with fans huddling in the covered areas of the stadium until the storm passes.



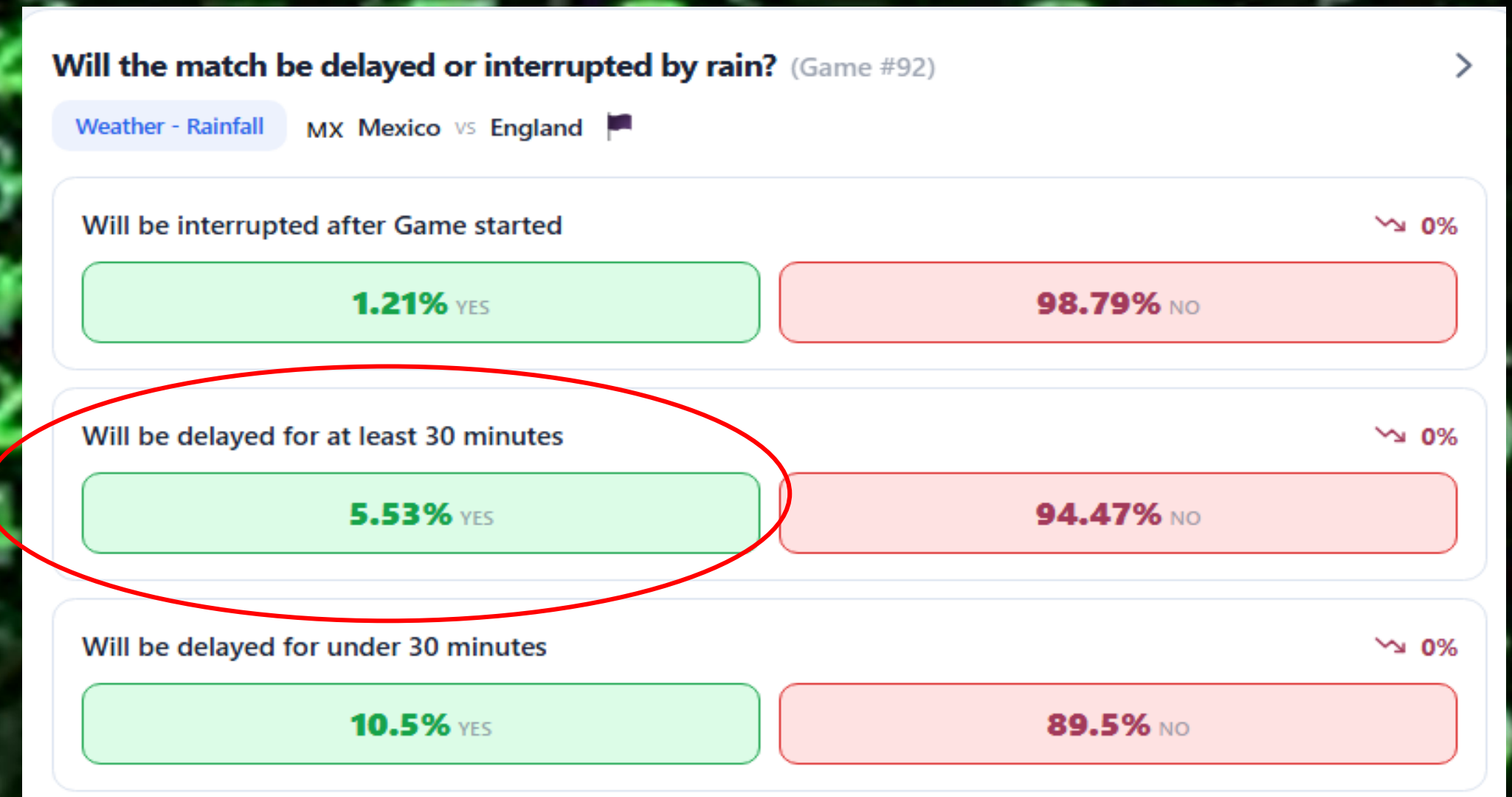
Match #42	Will the Match be Delayed or Interrupted by Rain?		
Settlement:	Yes, for 2 hours 11 minutes	YES	NO
data source:	A. Delay (<30 min)	Loss	Win
	B. Delay (>=30 min)	Win	Loss
WeatherBook	C. Interrupted after Kickoff	Win	Loss

Weather Delay in **Knockout Stage** of FIFA World Cup 2026



July 5, 2026, Mexico City

- The Round of 32 knockout match between England and Mexico in Mexico City was delayed for 1 hour.
- FIFA Official Statement: “Due to adverse weather conditions in Mexico City, including risk caused by lightning in the vicinity of the stadium, the kickoff of the FIFA World Cup 2026 round of 16 match between Mexico and England has been delayed to 7 p.m. local time.”



Report Card for WeatherBook World Cup Contracts

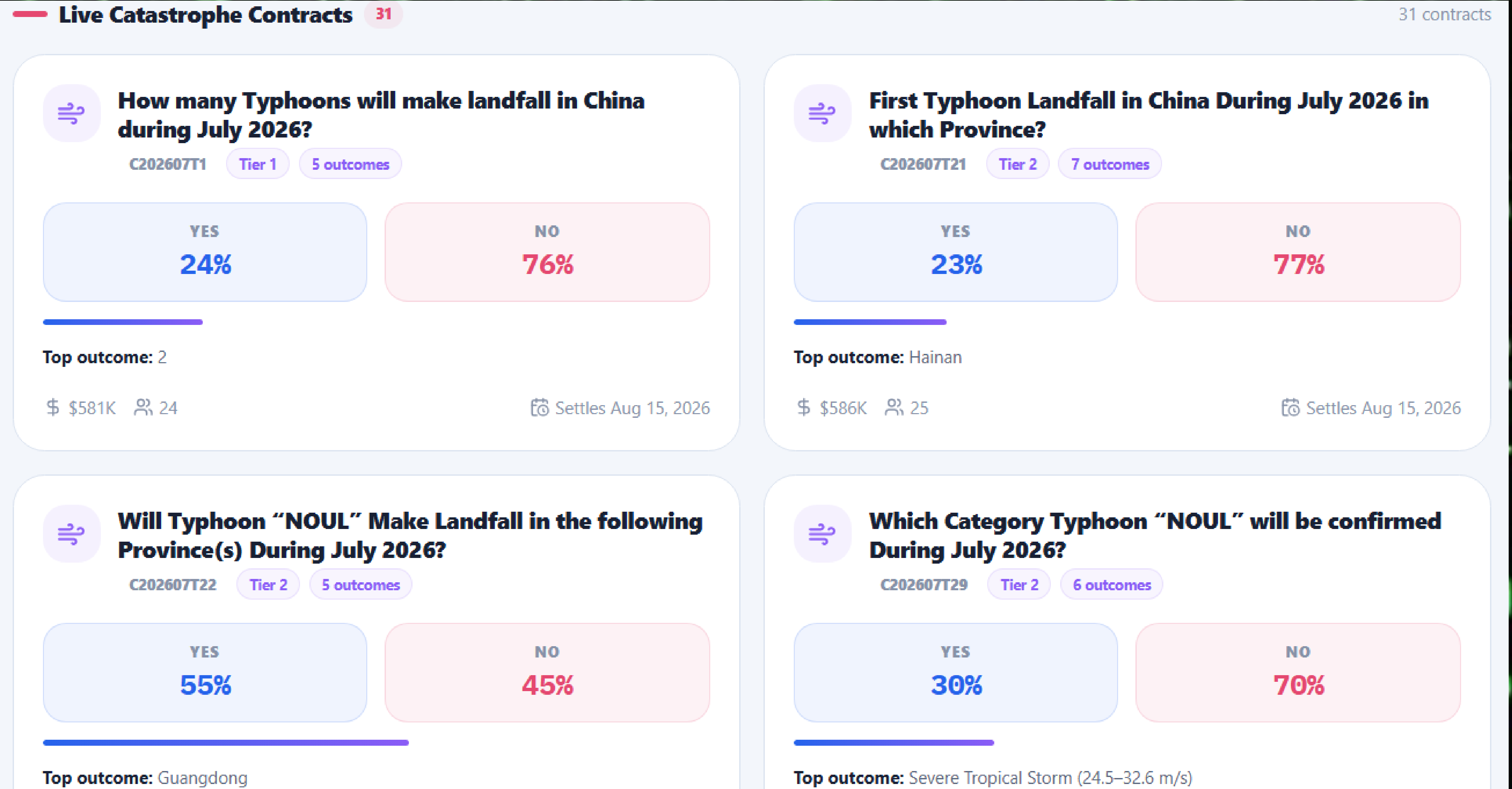


Weather Event Contract	Notional Value
event_mexico_city_wc92_rainfall_match_delay	450,869
event_kansas_city_wc58_rainfall_match_delay	187,691
event_miami_wc86_temperature_daily_high	186,191
event_boston_wc74_rainfall_match_delay	186,100
event_philadelphia_wc89_temperature_daily_high	150,834
event_mexico_city_wc79_rainfall_match_delay	123,268
event_mexico_city_wc92_rainfall_daily	93,607
event_miami_wc99_temperature_daily_high	91,503
event_kansas_city_wc87_temperature_match_average	88,620
event_miami_wc86_temperature_match_average	84,583

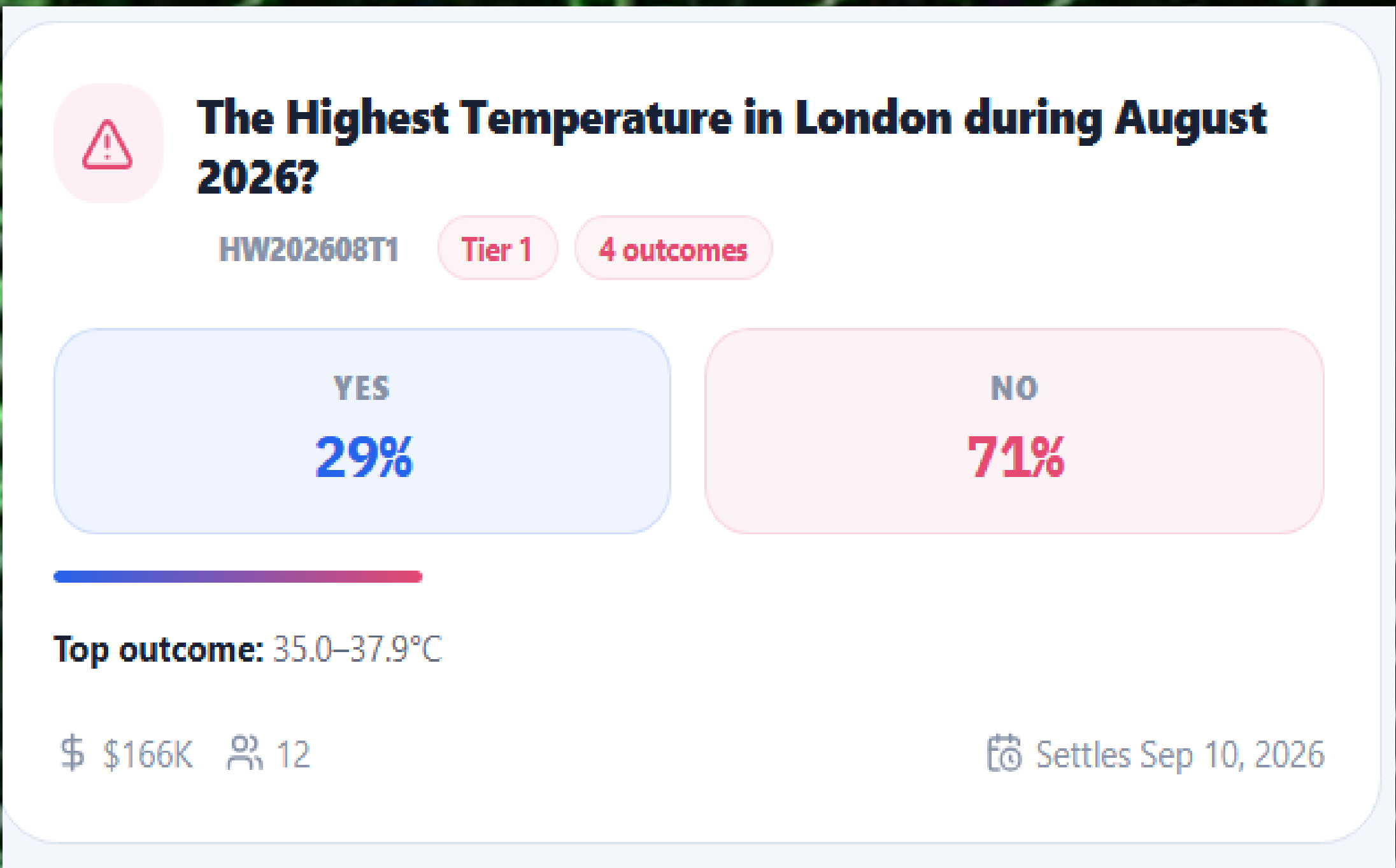
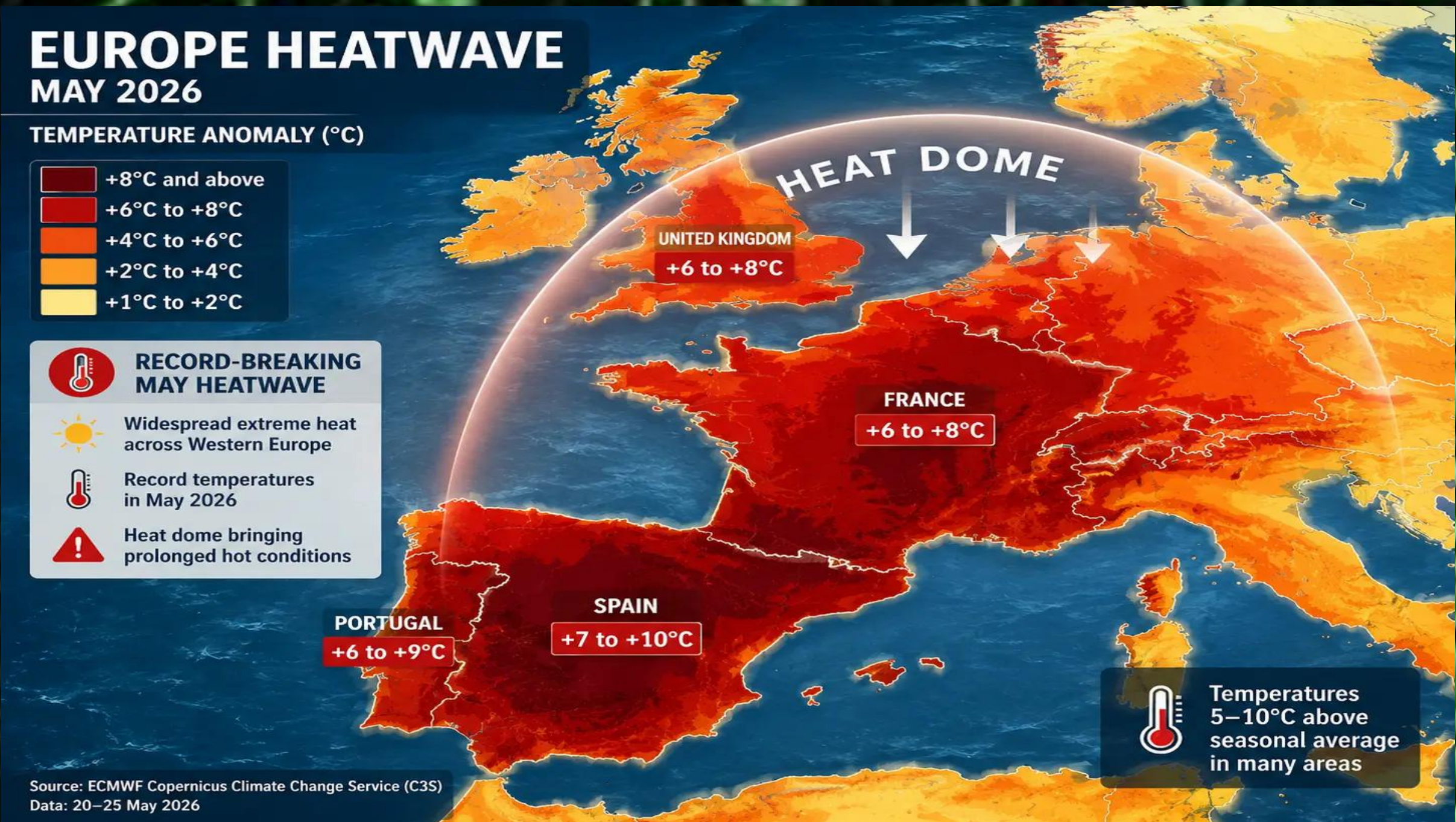
- 262 weather prediction contracts covering 65 FIFA World Cup 2026 matches
- Contract types include Match Day High Temperature, Match Day Rainfall, Match Time Avg Temperature, and Match Delay Due to Weather
- Trading Volume is measured by amount traded
- Notional Value is the maximum amount that could be won by each trade

- Pre-WC: from end of May till June 10, 2026
- Week 01: June 11 (WC Opening) to June 14
- Week 02: June 15-21, 2026
- Week 03: June 22-28, 2026
- Week 04: June 29 to July 5
- Week 05: July 6-12, 2026
- Week 06: July 13 to July 19 (WC Final)
- [Trading Data as of July 20, 2026](#)

WeatherBook Typhoon Landfall Prediction

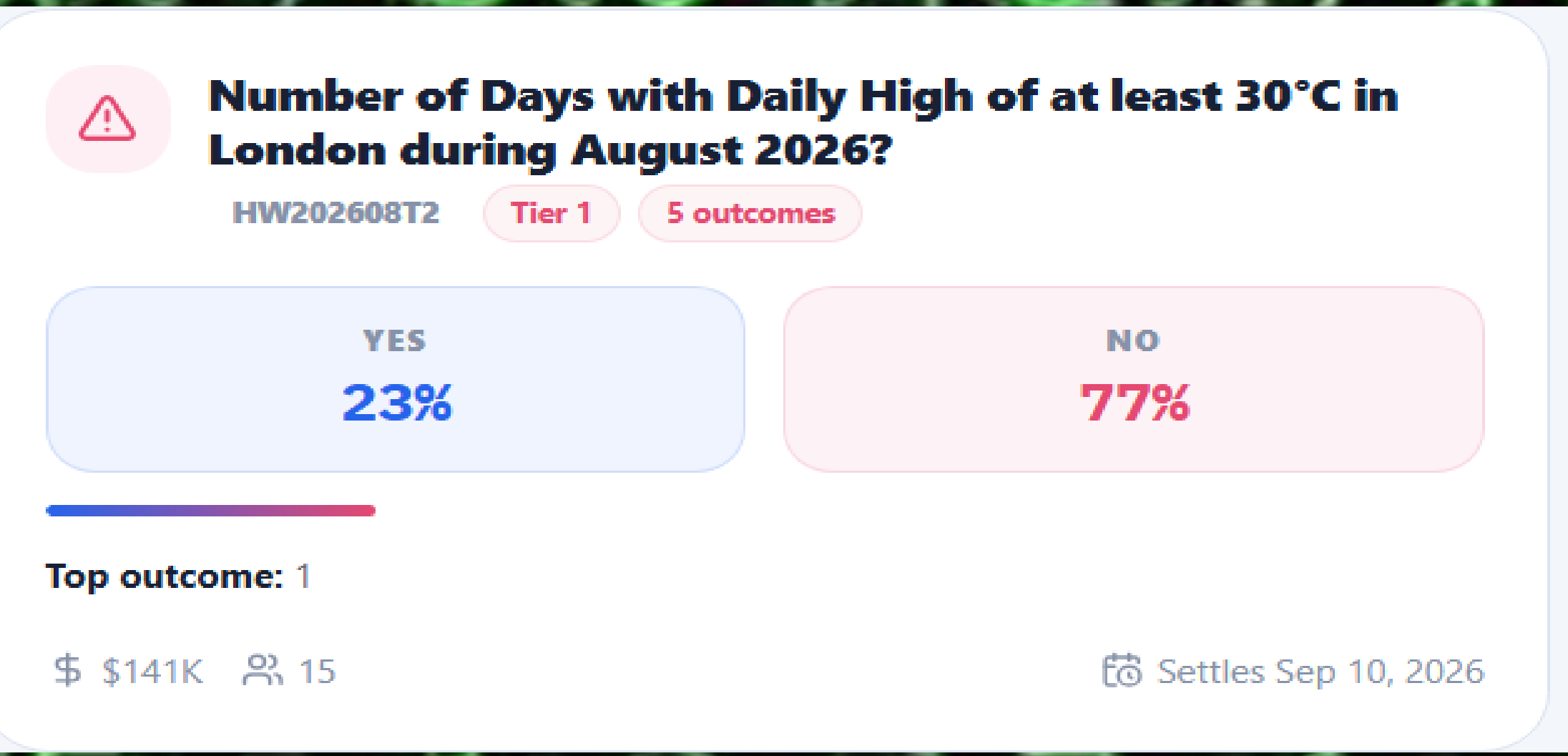


European Heat Wave Prediction



Madrid: Number of Days with Daily High $\geq 34^{\circ}\text{C}$					
Year	May	JUN	JUL	AUG	
2017	0	13	14	18	
2018	0	4	5	11	
2019	0	6	16	10	
2020	0	4	22	11	
2021	0	2	13	12	
2022	2	9	27	20	
2023	0	6	17	21	
2024	1	3	18	24	
2025	2	15	17	18	
2026	3	12	21		

Paris: Number of Days with Daily High $\geq 30^{\circ}\text{C}$					
Year	May	JUN	JUL	AUG	
2017	1	4	5	1	
2018	0	1	4	7	
2019	0	7	5	4	
2020	0	3	4	8	
2021	0	1	0	0	
2022	0	2	7	8	
2023	0	5	4	4	
2024	0	3	5	4	
2025	1	10	5	5	
2026	8	12	12		



Jim W. Huang, CFA
jim@climatehedge.net



<https://WeatherBook.net>