CONSTRUCTION AND SITE WORK

Veracruz: weather during concrete placement and the following 48 hours

VERACRUZ MEXICO

20–26 November 2026

Five days to compare.
And the next 48 hours
after each possible start.
A site manager's question.

06–18
possible start times

48 h
of subsequent weather



Generated illustration, not a site photograph. Fictional client. Data modified for demonstration, not an actual forecast.

THE MAIN POINTS AT A GLANCE

A calmer weekend. Stronger gusts from Monday.

Values compared for 06:00–18:00, Veracruz local time. Demonstration data.

Friday	Saturday	Sunday	Monday	Tuesday
20 Nov	*21 Nov*	*22 Nov*	*23 Nov*	*24 Nov*
21.2–26.9°C	21.0–27.5°C	22.0–28.0°C	23.6–28.0°C	24.3–26.8°C
Gusts up to 42.5 km/h	Gusts up to 28.1 km/h	Gusts up to 25.9 km/h	Gusts up to 45.7 km/h	Gusts up to 64.1 km/h
0.0 mm of rain between 06:00 and 18:00	0.0 mm of rain between 06:00 and 18:00	0.0 mm of rain between 06:00 and 18:00	1.2 mm of rain between 06:00 and 18:00	0.0 mm of rain between 06:00 and 18:00

What follows matters too

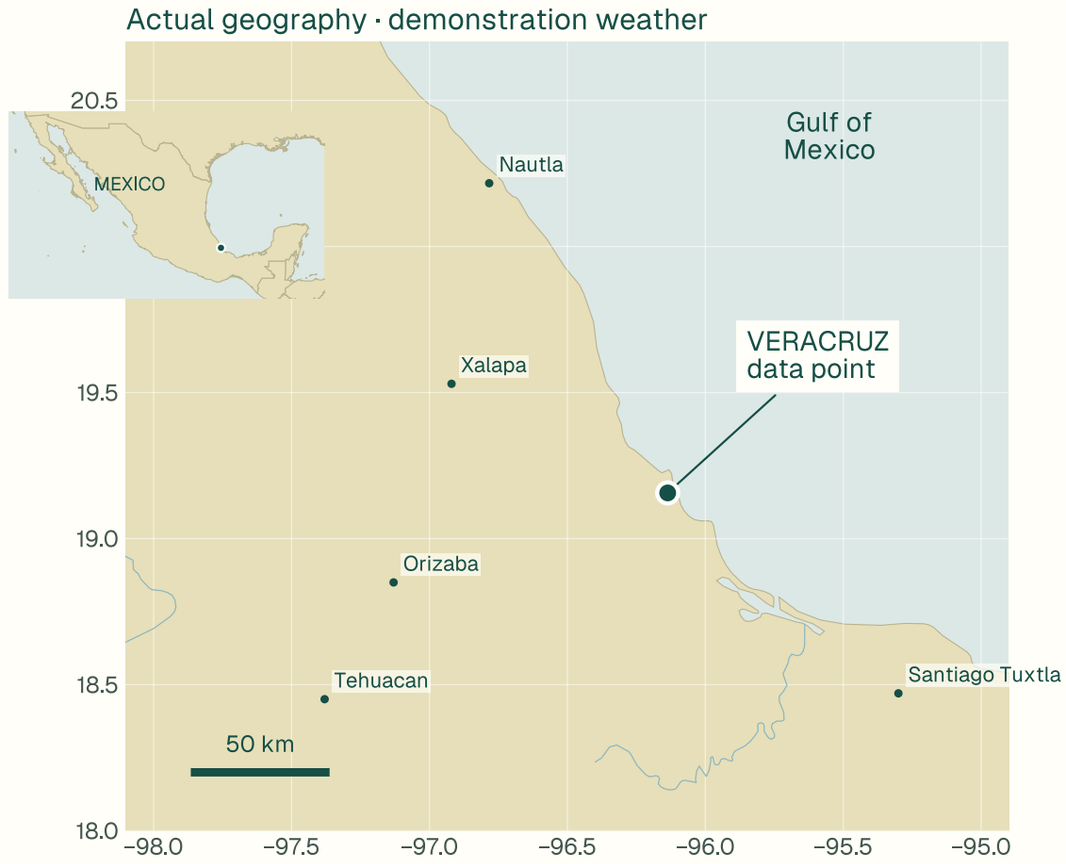
Tuesday has 0.0 mm of rain between 06:00 and 18:00, but the following 48-hour windows contain 12.0–19.2 mm and gusts up to 72.7 km/h. A dry work period alone does not describe what follows.

A weather comparison, not a choice of concrete-placement time or confirmation of suitable process conditions.

THE LOCATION AND THE CLIENT'S QUESTION

A fictional site. A real location.

A fictional warehouse-construction manager in the Veracruz area. No actual company is represented.



Map: actual coastline, not a spatial map of rain or wind.

Data point

19.156414°N
96.136380°W

The weather analysis was prepared for the specified geographic point.

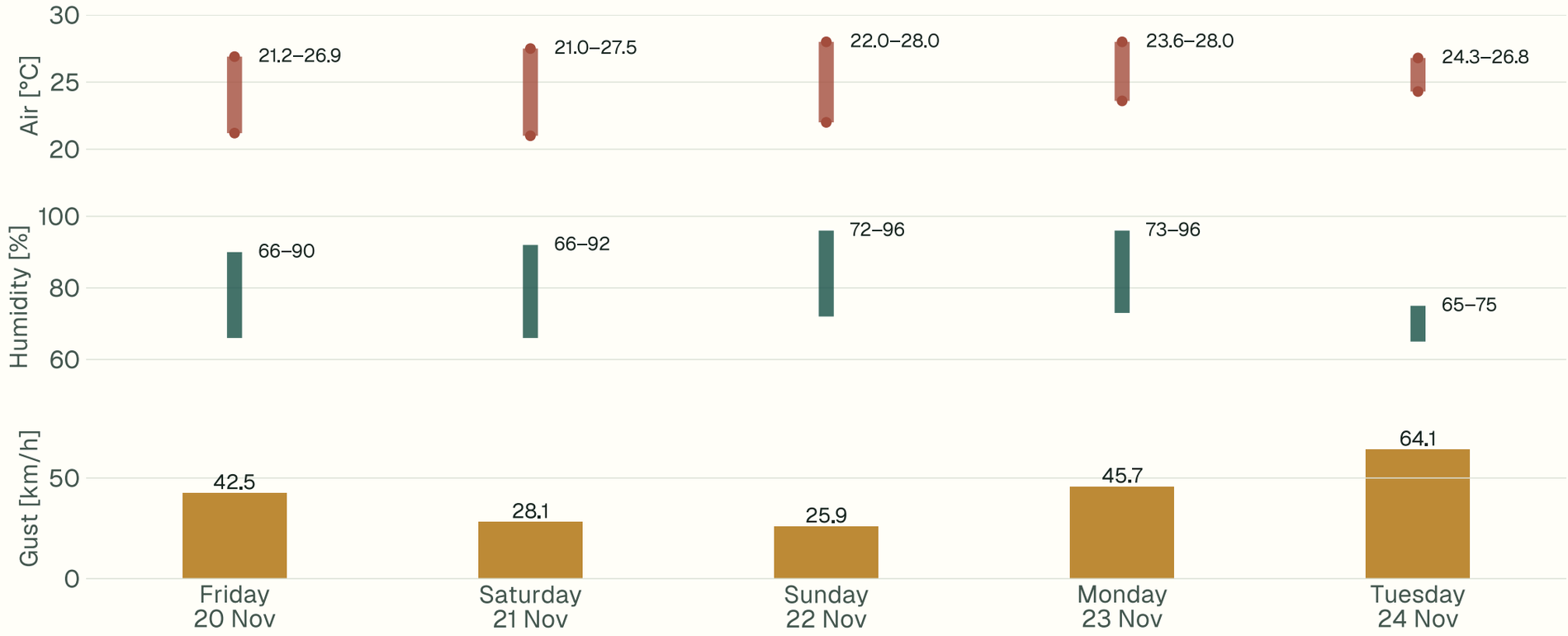
The manager's question

How does the weather differ on 20–24 Nov between 06:00 and 18:00? What happens to rain, temperature, humidity and wind over the next 48 hours after each start?

FIVE POSSIBLE START DATES

The same time of day, different conditions.

Values for 06:00–18:00. Temperature and RH: range. Gust: maximum within that period.



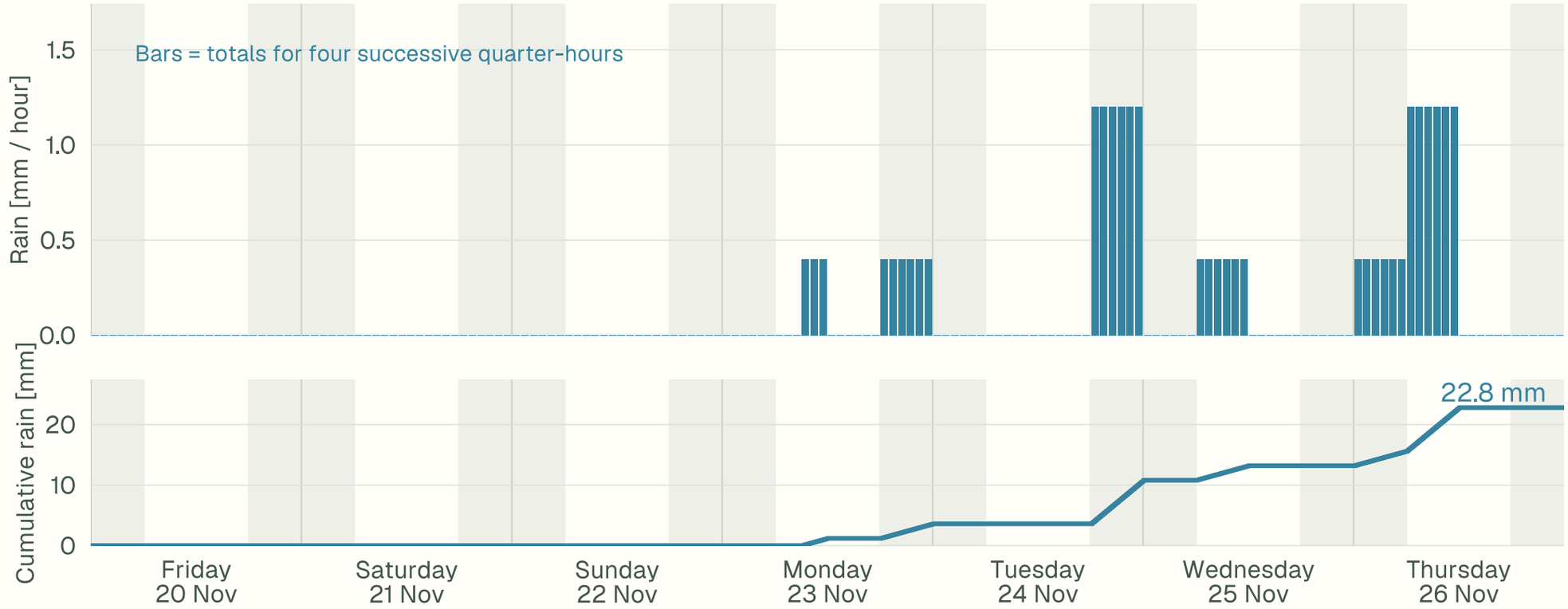
Tuesday's contrast

Despite 0.0 mm of rain between 06:00 and 18:00, gusts reach 64.1 km/h. These are separate aspects of the weather, not a combined verdict on a start time.

RAIN OVER TIME

Rain appears in the series from Monday.

20–26 Nov: 22.8 mm in total. Hourly bars and cumulative total from the same data section.



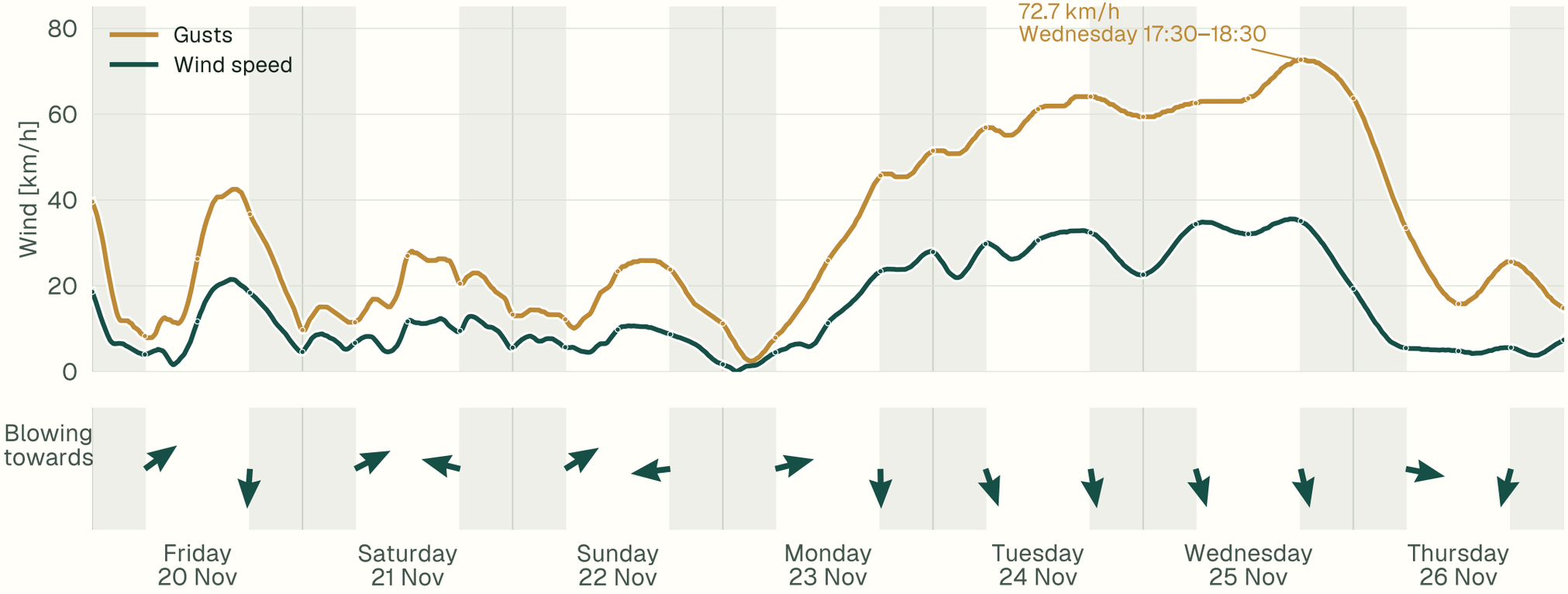
A dry beginning

Full local days 20–22 Nov: 0.0 mm each. Then 3.6 / 7.2 / 2.4 / 9.6 mm. These are totals from the modified series, not an independently verified forecast.

WIND AT 10 METRES

Gusts increase, peaking on Wednesday.

A seven-day series. Grey shading: 18:00–06:00. Arrows show where the wind is blowing towards.



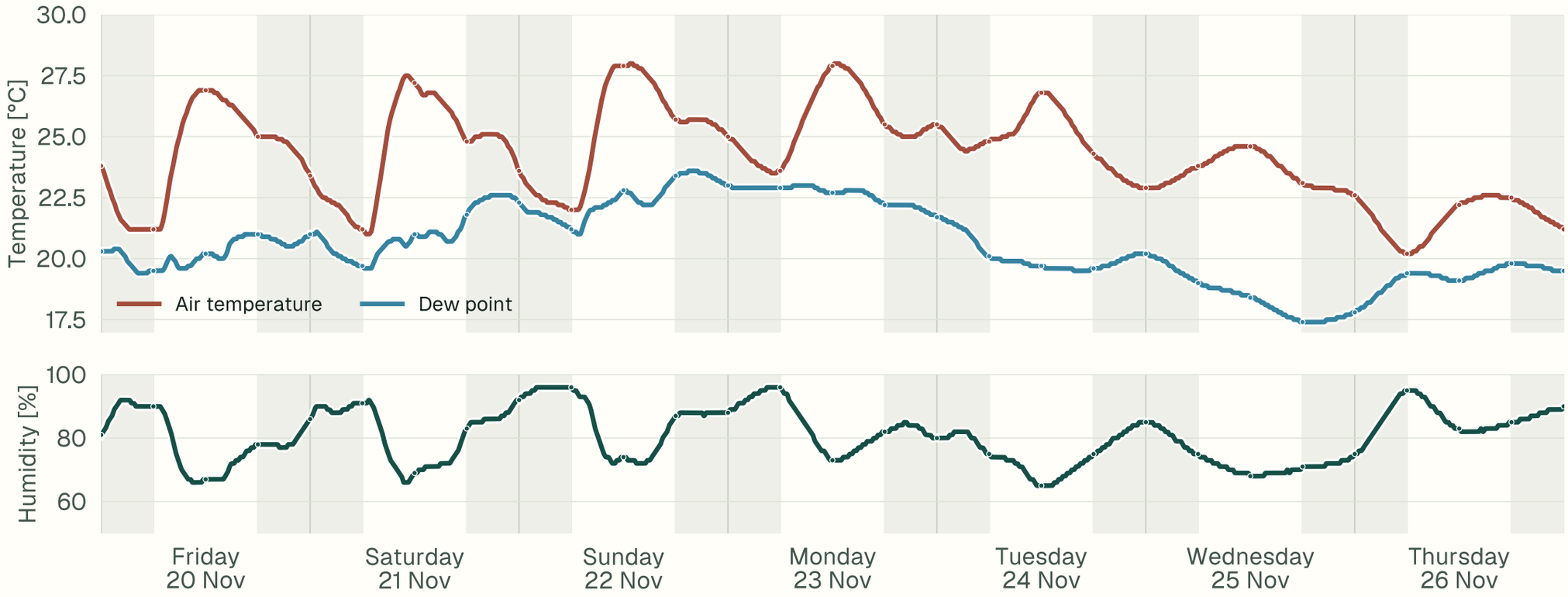
After the work period

The 72.7 km/h peak occurs on 25 Nov. This is not one of the five start dates, but falls within the 48 hours following later starts.

AIR ABOVE THE CONSTRUCTION SITE

Warm days, humid nights. Cooler at the end.

Full range for 20–26 Nov: air temperature 20.2–28.0°C, relative humidity 65–96%.



Not concrete temperature

Dew point and humidity describe the air. They do not determine mix temperature, setting rate or strength. Those quantities were not calculated.

WHAT FOLLOWS EACH START

Each start has its own following 48 hours.

Row = start date; column = start time. Each window ends exactly two days later.

Rain total over the next 48 h [mm]

	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00
Friday 20 Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Saturday 21 Nov	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Sunday 22 Nov	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Monday 23 Nov	10.8	11.2	11.6	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Tuesday 24 Nov	12.0	13.2	14.4	15.6	16.8	18.0	19.2	19.2	19.2	19.2	19.2	19.2	19.2

Peak gust over the next 48 h [km/h]

	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00
Friday 20 Nov	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	40.7	35.6
Saturday 21 Nov	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.8	31.3	34.2	38.2	42.5	45.7
Sunday 22 Nov	56.9	56.9	56.9	56.9	56.9	59.4	61.2	61.9	61.9	61.9	63.7	64.1	64.1
Monday 23 Nov	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.8	67.0	68.8	70.9	72.0	72.7
Tuesday 24 Nov	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7

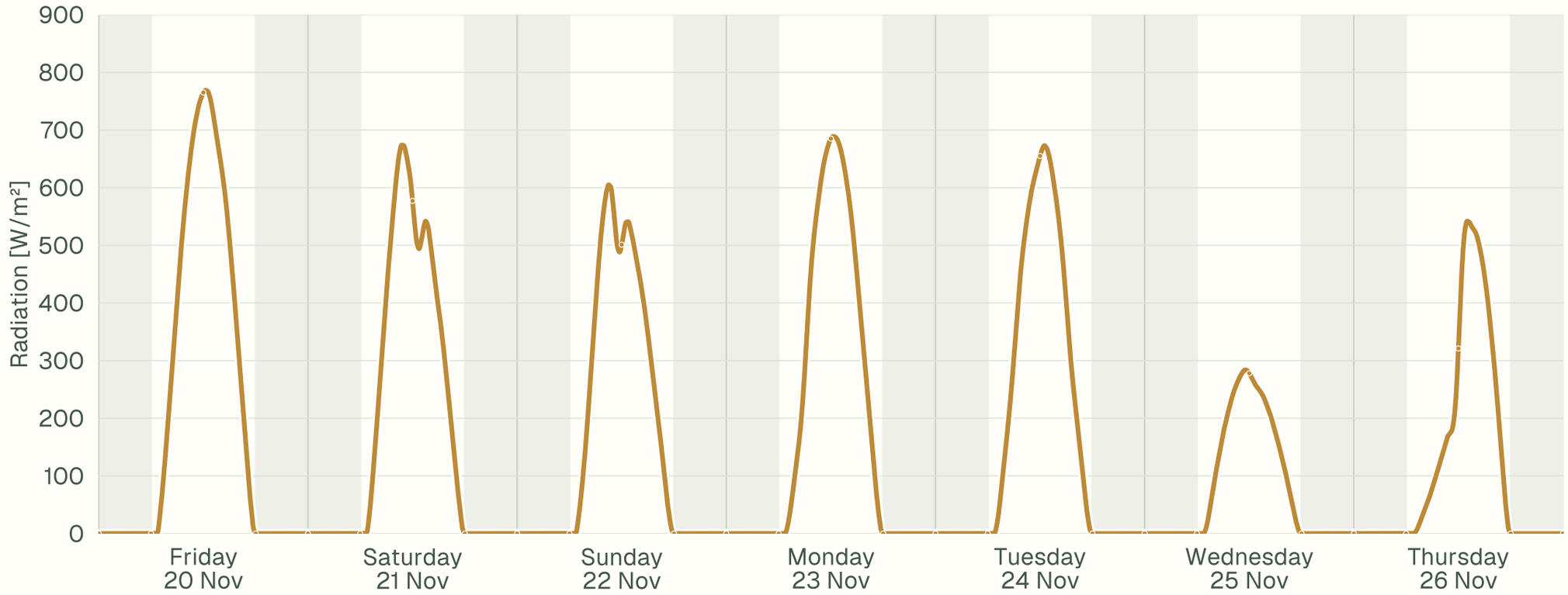
This is not a ranking

Colour shows rain or gust magnitude, not permission to work. A 21 Nov start at 06:00 includes 0.0 mm and 28.1 km/h; at 18:00 it includes 1.2 mm and 45.7 km/h.

RADIATION OVER AN EXPOSED SLAB

Different sunlight, the same hours.

Shortwave radiation in W/m². Mean values for successive 15-minute intervals.



No evaporation model

This describes incoming radiation, not water loss from the mix. Concrete temperature and process parameters, among other inputs, are missing. We do not calculate a drying rate.

ANSWER FOR THE SITE MANAGER

Compare the weather. The site makes the decision.

These conclusions apply only to this demonstration dataset.

Between 06:00 and 18:00

20–22 Nov: 0.0 mm of rain on each of the three days. Peak gusts 42.5 / 28.1 / 25.9 km/h. 23 Nov: 1.2 mm and 45.7 km/h; 24 Nov: 0.0 mm and 64.1 km/h.

Over the next 48 hours

Windows starting on 24 Nov include gusts up to 72.7 km/h. Rain totals range from 12.0 to 19.2 mm, depending on the start time. See the full comparison on page 8.

What the report does not decide

There are no mix specifications, protection details, concrete temperatures or site measurements. The report does not determine whether concrete placement is permissible, the curing time or work safety.

The values form a modified demonstration scenario, not local construction-site measurements. The extent of modification is not established. This is an example, not an actual forecast or current warning. All times were converted to Veracruz (UTC–6). Rain: total over the preceding 15 minutes; gusts: maximum over the preceding 15 minutes. A 15-minute grid does not demonstrate independent forecast resolution.

LEGAL NOTICE AND SCOPE OF RESPONSIBILITY

Supporting information. Not permission to work.

How to interpret the report and the limits of responsibility.

This report presents a modified demonstration scenario, not an actual forecast or measurements. It is not for decisions on concrete placement or other construction work. The report does not guarantee particular weather, successful work or freedom from loss.

It is not a safety certificate, official warning or permission to carry out work. The assessment covers only the stated parameters and criteria. A hazard not assessed may still be present.

An authorised person decides whether to start, continue, change or stop work after checking actual conditions, official warnings, regulations, equipment instructions and procedures on site. This does not replace Synoptar's responsibility for the proper performance of its own service.

Changes in location, timing, equipment, criteria, forecast or conditions on site may require a new assessment. The report is not updated automatically and is not an alert system unless a separate monitoring scope has been expressly agreed.

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