

## ENR

### **WEATHER METEOROLOGICAL BALLOON LAUNCH IN FREE-ASCENT OF THE UNIVERSITY OF COSTA RICA MEASUREMENT OF OZONE, WATER VAPOR, AND OTHER ATMOSPHERIC VARIABLES**

The Civil Aviation Authority informs that from **Wednesday, December 03, 2025 to Friday, February 27, 2026**, precaution is recommended for launching a balloon with a meteorological probe in free ascent, with a center at the coordinates 09°56'22"N 084°02'33"W (GasLab from CICANUM, University of Costa Rica, San Pedro), within a radius of 5 NM, from the surface to unlimited above mean sea level.

Once the launch of the balloon has been coordinated with the AIJS Radar Control personnel, the ascent and descent trajectory, as well as the estimated landing coordinates will be reported directly to the AIJS Radar Control personnel. Control Radar AIJS will provide this information upon request. The launch of the balloon is subject to air traffic conditions.

LAUNCHING DATE	UTC HOUR
<b>Wednesday, December 03, 2025</b>	<b>1100-1700</b>
<b>Friday, December 12, 2025</b>	
<b>Tuesday, January 06, 2026</b>	
<b>Wednesday, January 07, 2026</b>	
<b>Friday, January 23, 2026</b>	
<b>Tuesday, February 10, 2026</b>	
<b>Friday, February 27, 2026</b>	

Other details are provided in the following tables:

#### **Instruments detail:**

Balloon diameter: 2 m (aprox.)  
Balloon weight: 1,2 kg  
Balloon color: Light beige  
Radiosonde weight: 1,2 kg  
Radiosonde dimensions: 38 cm x 19 cm x 26 cm  
Length cable supporting the load: 60 m  
Float Gas used: Industrial Helium  
Total length of equipment deployed: 62 m

#### **Balloon and Sonde Flight Parameters**

Ascent speed: From 590 to 1,300 fpm  
Descent speed: From 980 to 4,000 fpm  
Average maximum height: 108.000 ft (33 km) AMSL  
Maximum registered height: 131.200 ft (40 km) AMSL