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REPUBLIC OF COSTA RICA
CIVIL AVIATION AUTHORITY
Air Navigation Services Department
Aeronautical Information Services Unit
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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 09, 2026** to **Friday, February 19, 2027**, 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
Wednesday, DEC 09, 2026	**1100-1700**
Thursday, DEC 17, 2026	
Tuesday, JAN 05, 2027	
Friday, JAN 22, 2027	
Tuesday, FEB 09, 2027	
Friday, FEB 19, 2027	

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