

ENR**WEATHER BALLOON LAUNCH**
IN FREE RISE OF THE UNIVERSITY OF COSTA RICA
MEASUREMENT OF GASES AND ATMOSPHERIC PARTICLES

The Civil Aviation Authority informs that effective from **Wednesday, September 11 to Thursday, November 21, 2024**, 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, September 11, 2024	1100-1700
Thursday, September 26, 2024	
Friday, October 4, 2024	
Thursday, October 24, 2024	
Friday, November 8, 2024	
Thursday, November 21, 2024	

Other details are provided in the following tables:

Instruments detail:

Balloon diameter: 2 m (aprox.)
Balloon weight: 1.200 g
Balloon color: Light beige
Radiosonde weight: 1.200 g
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" (33 km) AMSL
Maximum registered height: 131.200" (40 km) AMSL