

Additional Antenna Information

The Planet Labs “UHF” earth station is comprised of two Yagi-Uda antennas mounted on a single cross-boom controlled by an Az/El rotator. Details are as follows:

Table 1 Antenna Characteristics

Antenna	Manufacturer & Model	# of elements	Antenna Length (m)	Peak Gain (dBi)	3dB Beamwidth (deg)	Polarization
Uplink Yagi	M2 Inc. 450CP34	17	2.7	16.5	30	RHCP
Downlink Yagi	M2 Inc. 400CP30	15	2.7	16.5	30	RHCP

Table 2 Rotator Characteristics

Manufacturer & Model	Type	Mast Height (m)
Yaesu G5500	Az/El	2.5

Table 3 Site Characteristics

Site Address¹	Latitude	Longitude	Site Elevation (m)	Max Antenna Height (m)
235 Martindale Dr. Morehead, KY 40351	38° 11' 27.48" N	83° 25' 48.12" W	229.2	3.8 AGL/ 233.0 AMSL

¹ Site will be remotely operated from Planet Labs HQ, 490 2nd St., Suite 101, San Francisco, CA 94107

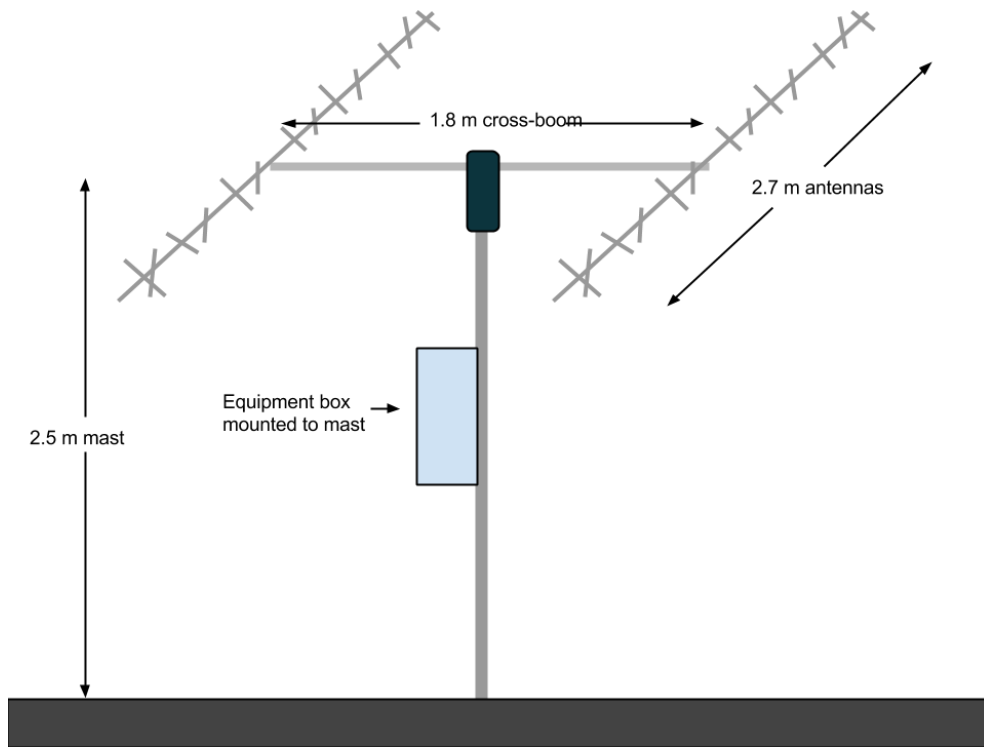


Figure 1 UHF earth station diagram