

**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**

<b>Antenna</b>	<b>Manufacturer &amp; Model</b>	<b># of elements</b>	<b>Antenna Length (m)</b>	<b>Peak Gain (dBi)</b>	<b>3dB Beamwidth (deg)</b>	<b>Polarization</b>
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**

<b>Manufacturer &amp; Model</b>	<b>Type</b>	<b>Mast Height (m)</b>
Yaesu G5500	Az/El	2.5

**Table 3 Site Characteristics**

<b>Site Address<sup>1</sup></b>	<b>Latitude</b>	<b>Longitude</b>	<b>Site Elevation (m)</b>	<b>Max Antenna Height (m)</b>
2502 12th St N, Fargo, ND 58104	46° 54' 36.51" N	96° 47' 47.70" W	273.7	3.8 AGL/ 277.5 AMSL

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

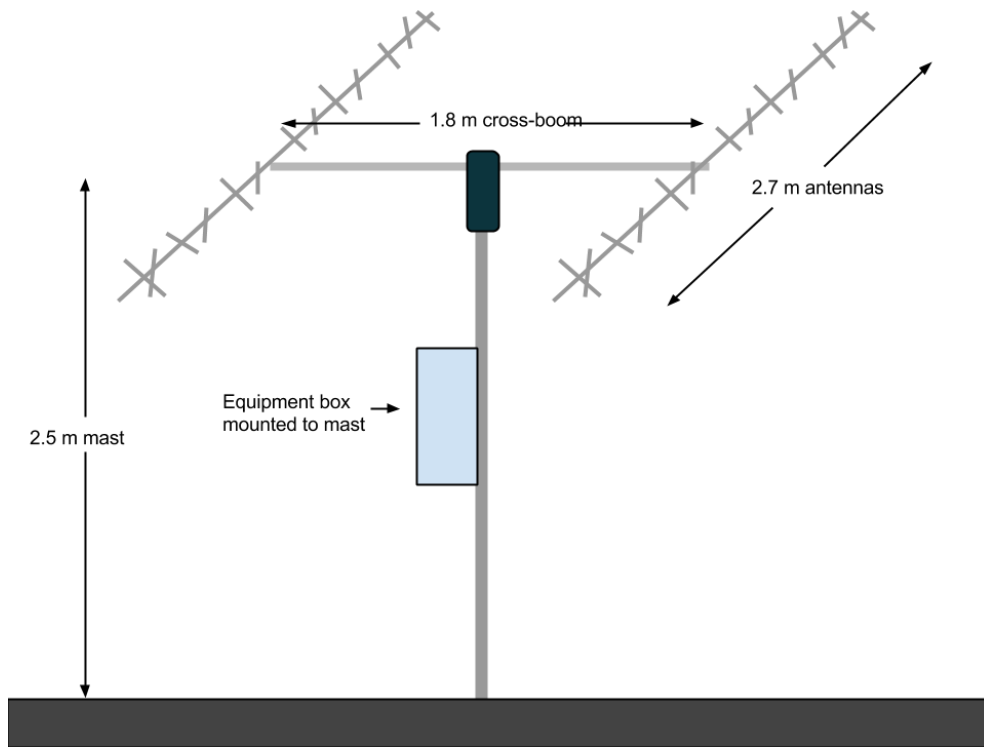


Figure 1 UHF earth station diagram