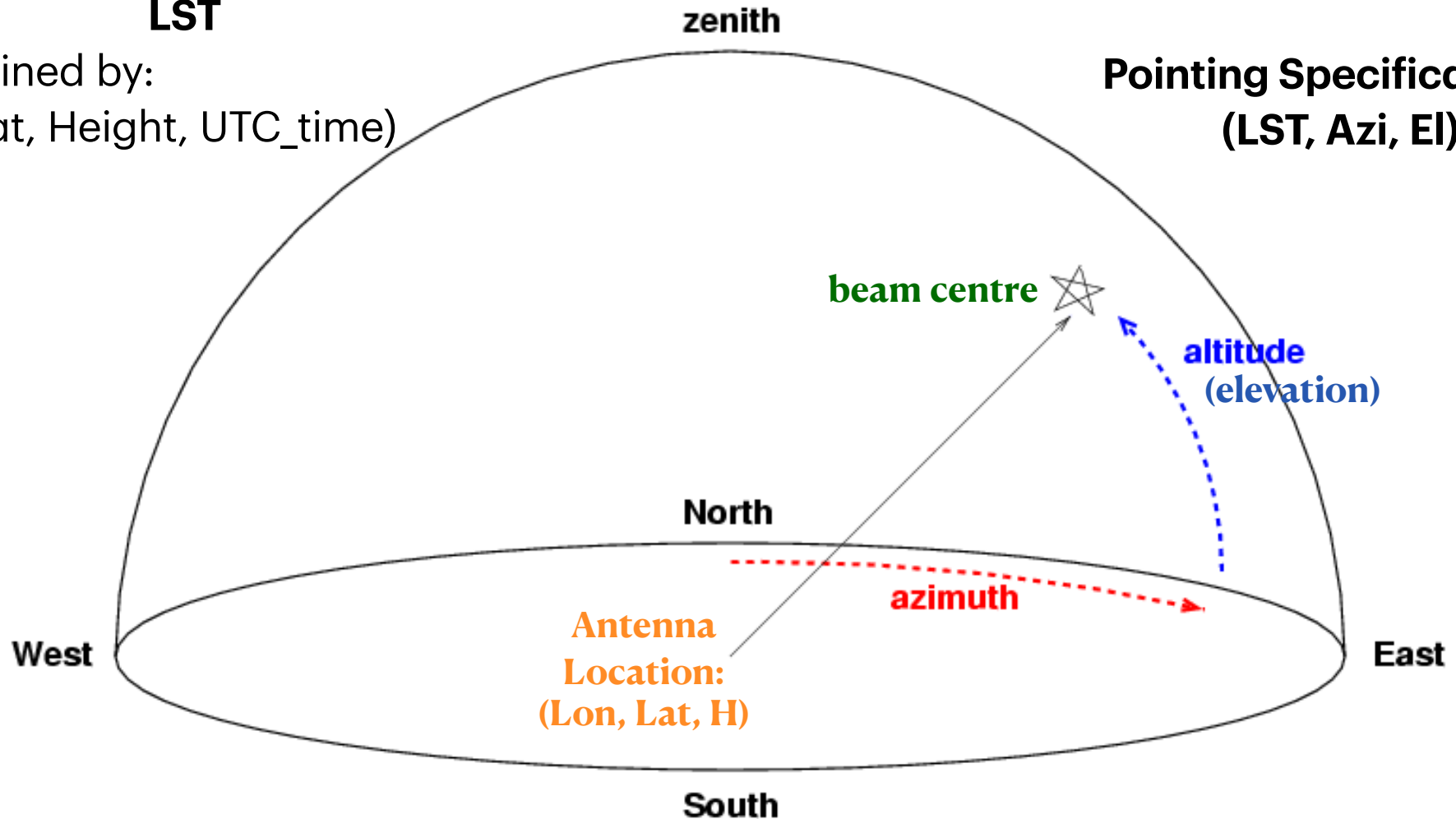# Pointing conventions

Observation Time Specification:
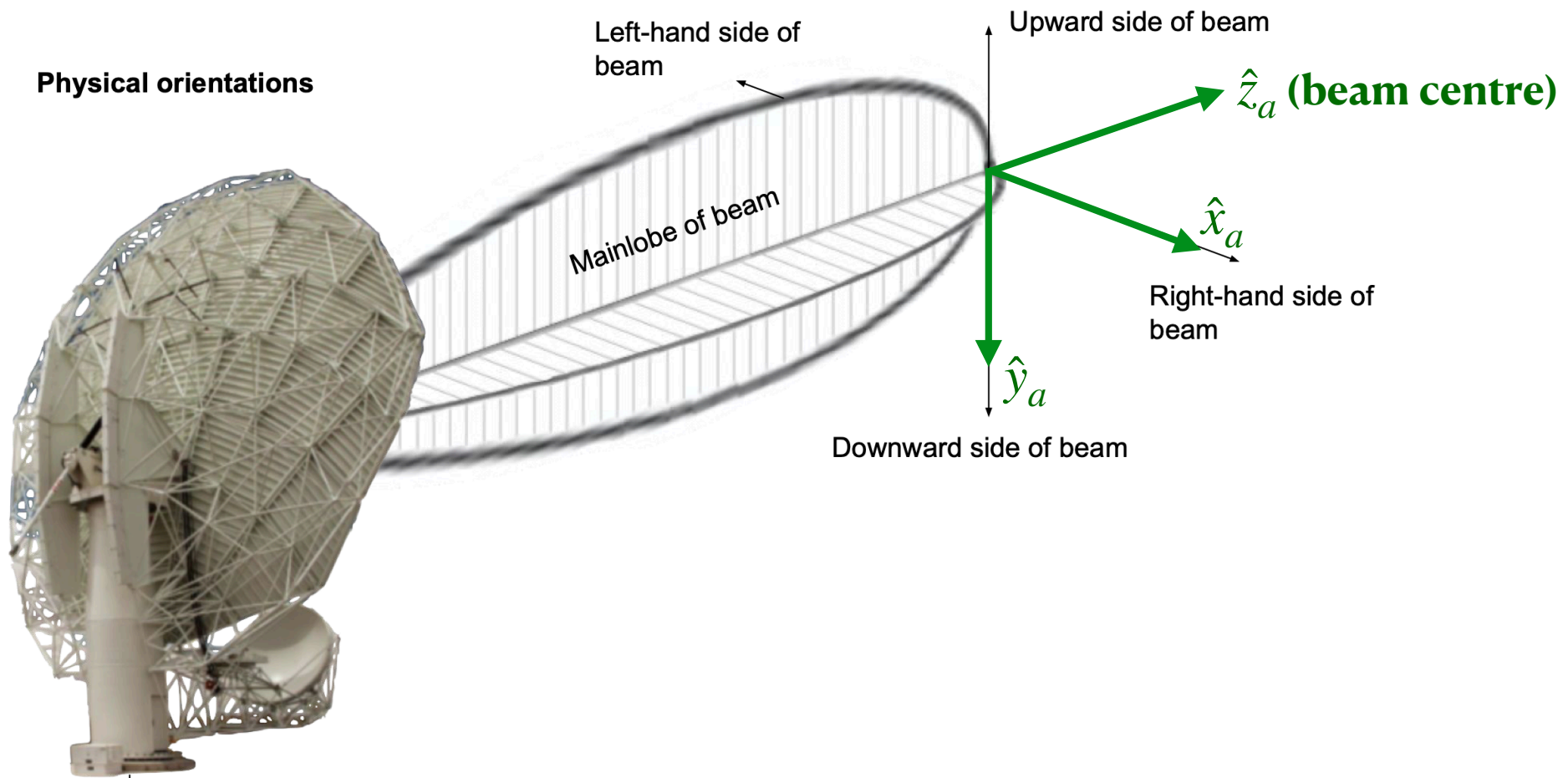**LST**
Determined by:
(Lon, Lat, Height, UTC_time)

Antenna Specifications:
(Lon, Lat, Height)

Pointing Specifications:
(LST, Azi, El)

Input beam: coordinate convention

Physical orientations

Left-hand side of beam

Upward side of beam

Mainlobe of beam

$\hat{z}_a$ **(beam centre)**

$\hat{x}_a$

Right-hand side of beam

$\hat{y}_a$

Downward side of beam

Input beam (healpix maps): coordinate convention