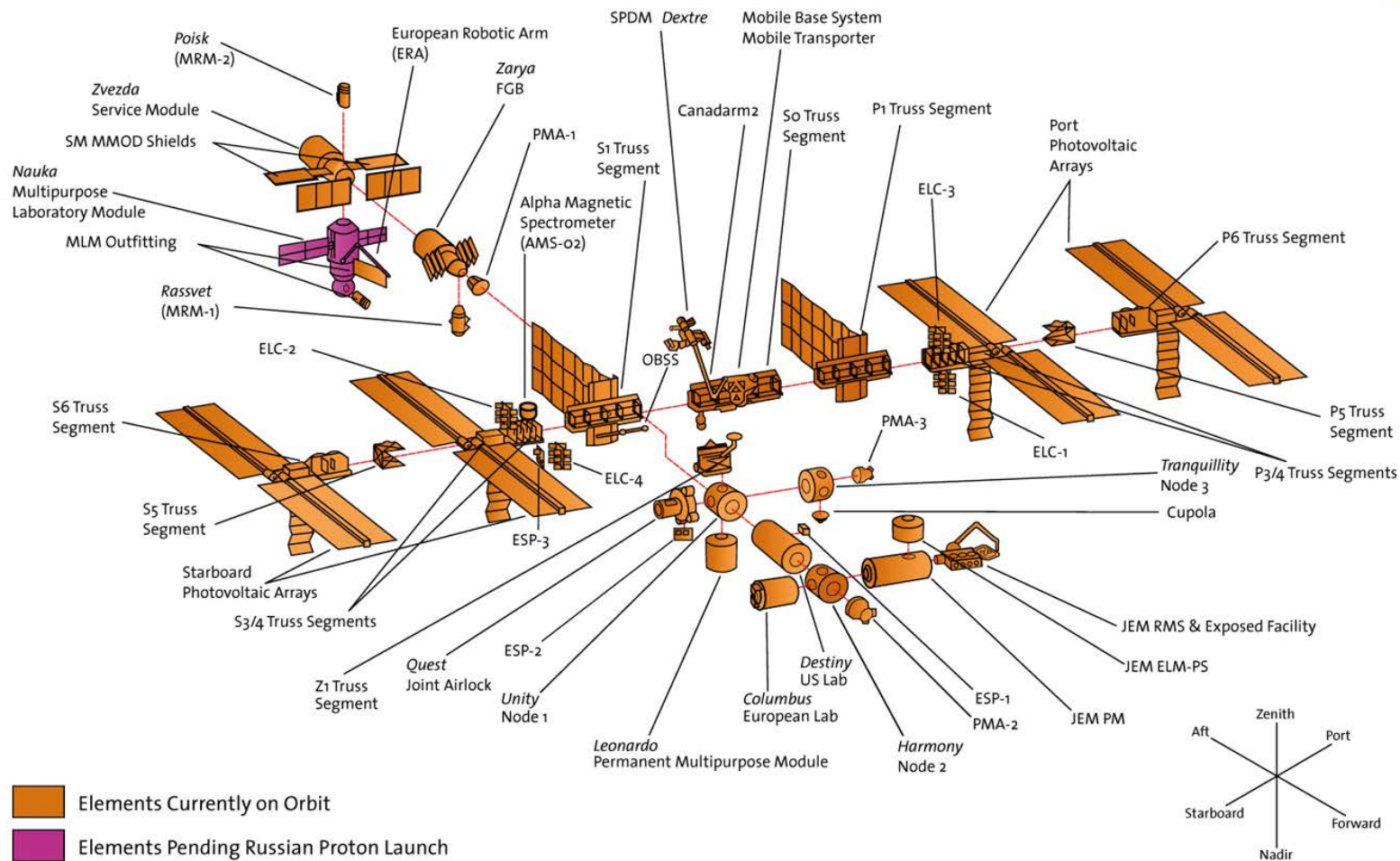


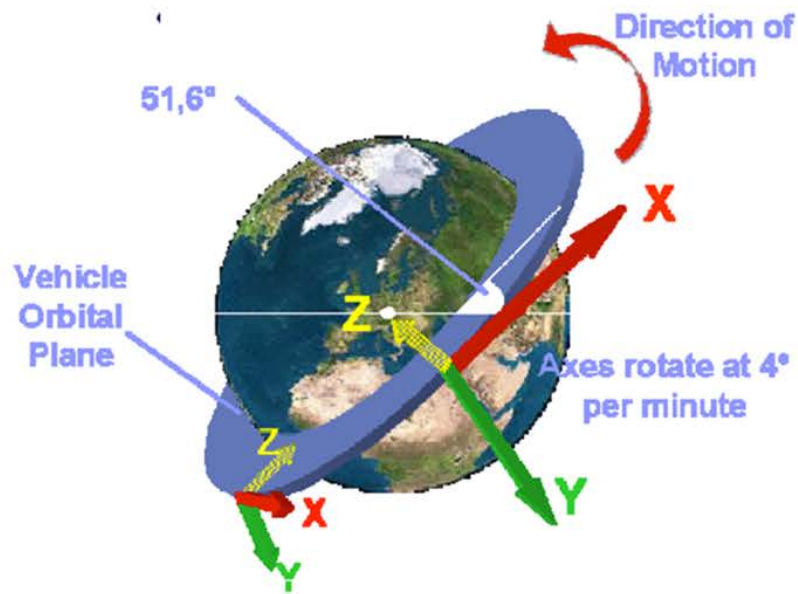
## ISS Configuration

As of May 2011 (ULF6 - STS-134)



# ISS orbital characteristics

## Sec 3.6



- Attitude:
  - Local Vertical, Local Horizontal (LVLH)
- Velocity Vector: x-axis

- Altitude: 350 – 460 km
  - Density:  $2,62 \times 10^{-12} \text{ kg/m}^3$
  - Atmospheric Pressure:  $\sim 10^{-8} \text{ Bar}$
  - Temperature:  $-150^\circ\text{C}$  to  $+150^\circ\text{C}$
- Inclination:  $51,6^\circ$   
(Baikonur launch site)
- Velocity:  $\sim 8 \text{ km/s}$   
(= 28800 km/h = 1 Orbit in 90 Minutes)

