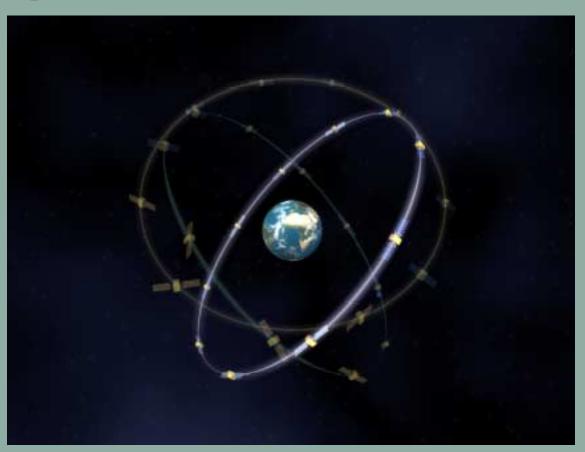
GALLEO

GALILEO space segment baseline







GALILEO

Quality, Service Guarantees and Signal Integrity are the distinguishing Qualities

- accuracy through 2 signals
- optimum availability all over Europe through GALILEO MEO
- minimum service interruptions by design
- integrity by integration, complemented regionally or locally as necessary

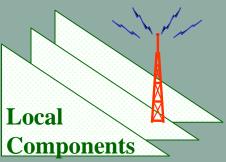




GALILEO Architecture

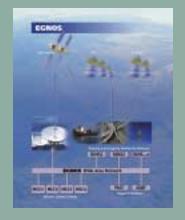








Service Centres













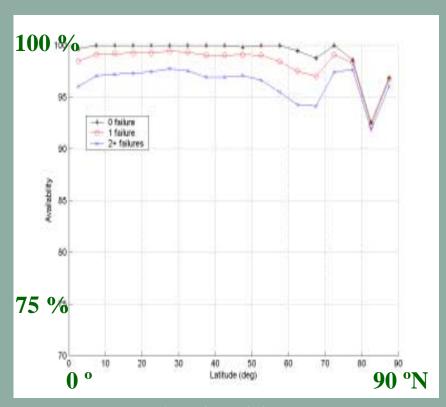
GALILEO Constellation Design Drivers

	Mass Market Applications	Safety Related Applications
User Masking Angle	25 °	5 º
Accuracy (95 %)	10 m horizontal	4 m vertical
Coverage	global	
Availability	better than 70 %	better than 99 %
Integrity	not generally required	mandatory

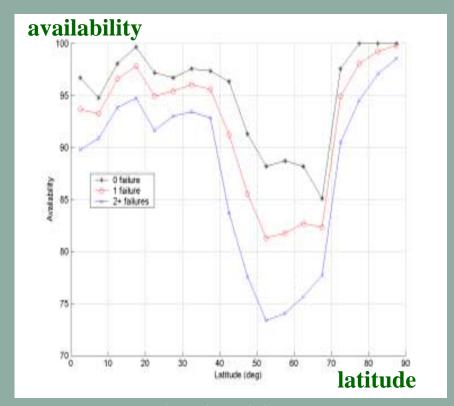




GALLEO Constellation Optim isation



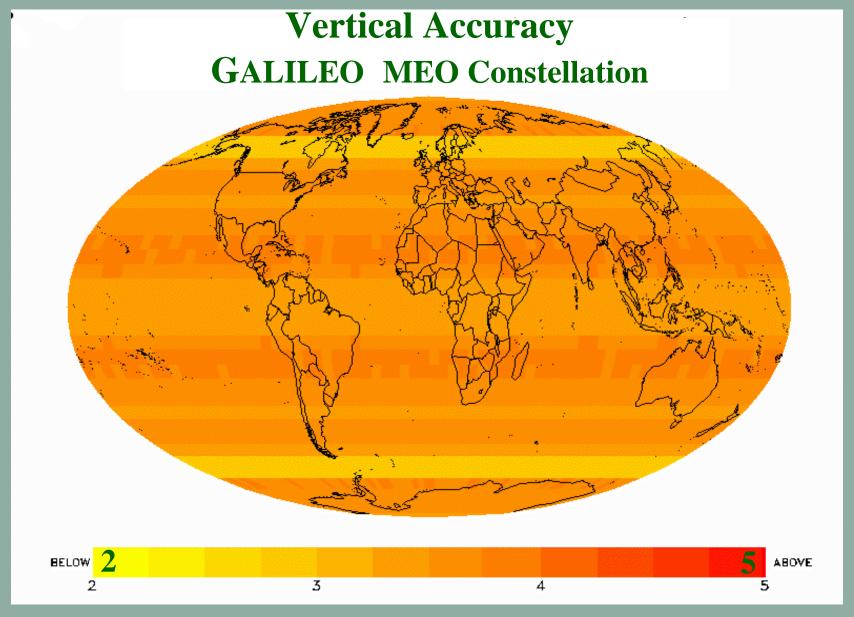
Availability mass-market performances, 30 MEO



Availability mass-market performances, 24 MEO + 8 GEO, 1 GEO failed







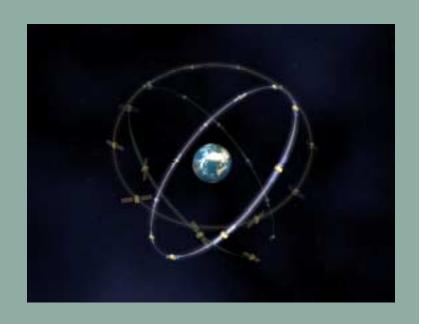




For those who wish to know:

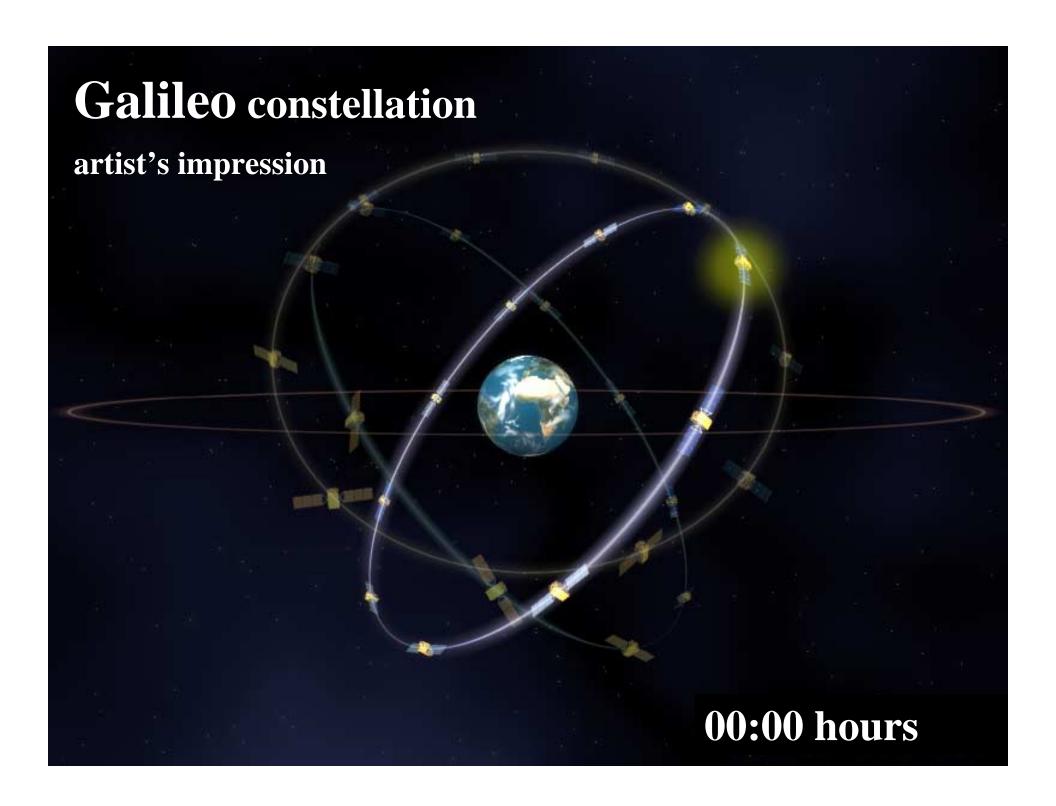
GALILEO MEO data:

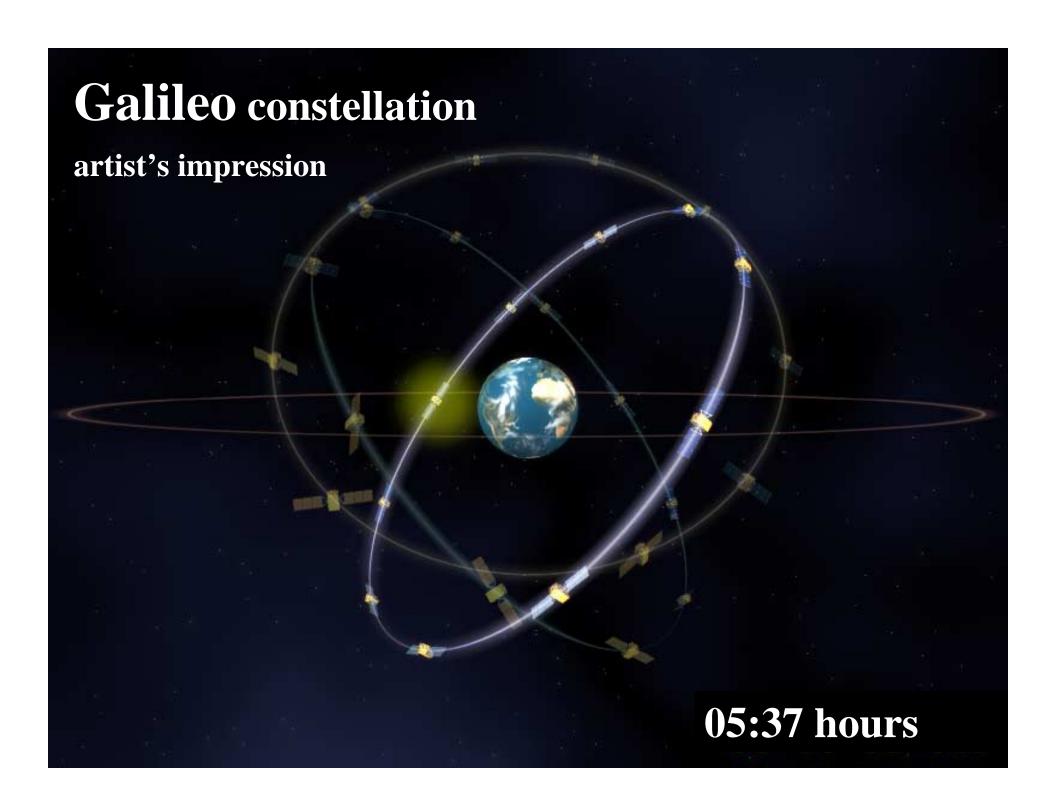
- altitude 23222 km
- period 14 hours 4 min
- ground track repeat 239.4 hours (~ 10 days)

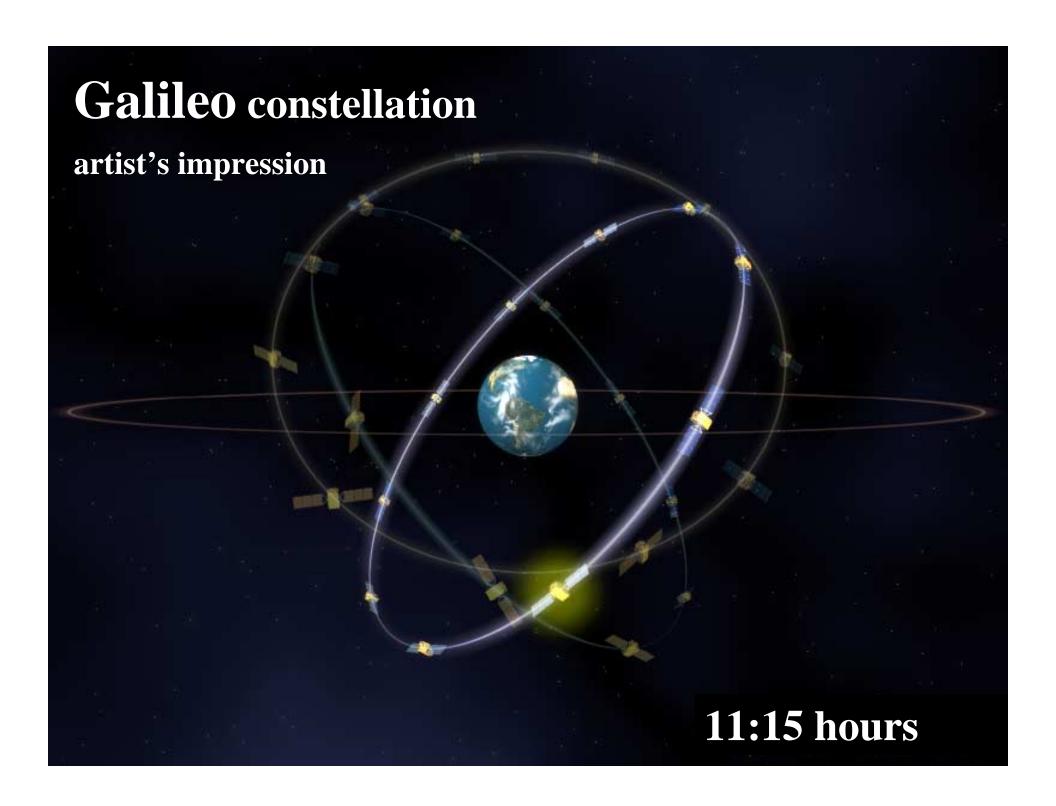






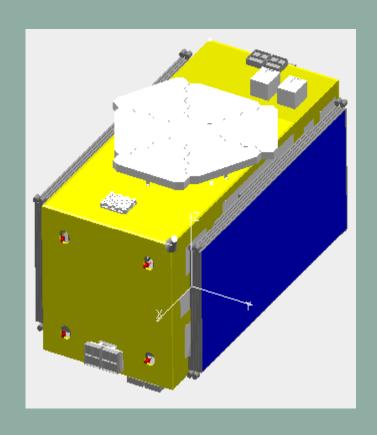






GALILEO Spacecraft Characteristics

- Navigation payload: 70-80 Kg / 850
 W
- SAR transponder: appr. 20 kg
- Overall Spacecraft: 650 Kg / 1.5
 kW class
- Launcher Options: Ariane, Proton,
 Soyus,







GALILEO in Flight Configuration

