

FEDERAL SPACE AGENCY
LAVOCHKIN ASSOCIATION

"LUNA-GLOB" SPACECRAFT

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"LUNA-GLOB" MISSION

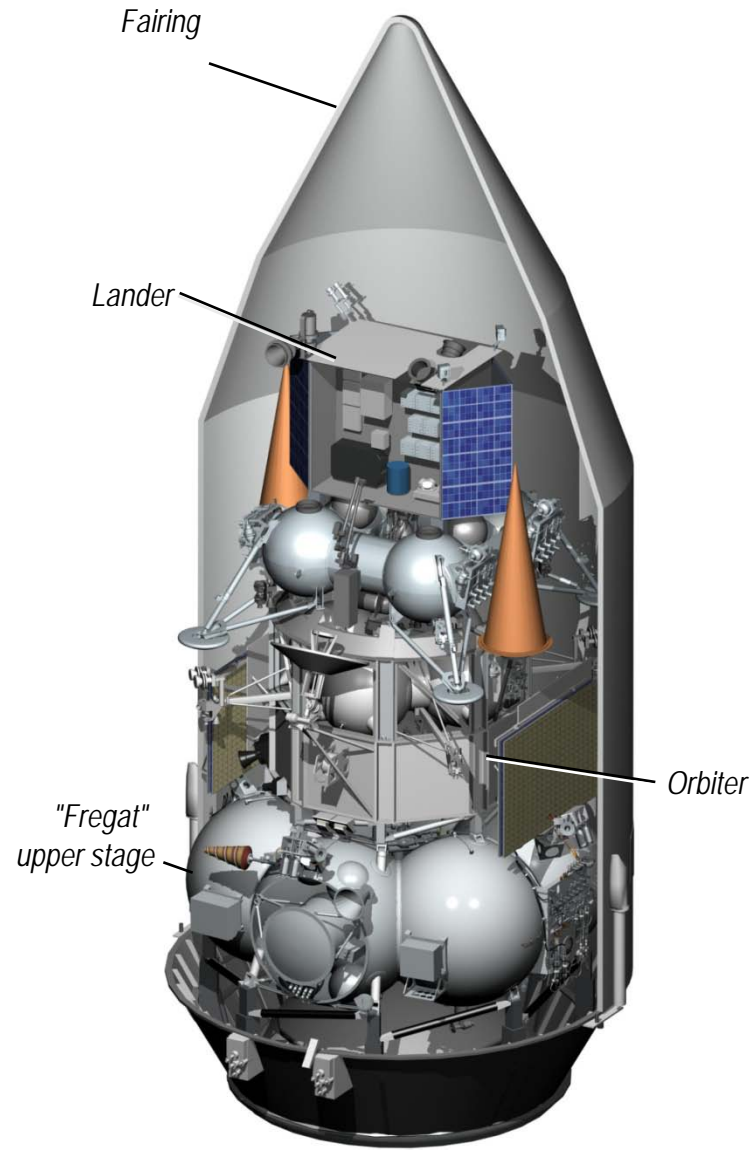


FUNDAMENTALS

1. Main scientific goal – investigation of the Moon by remote and contact methods in the North Pole area.
2. Launcher – "Soyuz-2-1b".
3. Mission elements:
 - orbiter;
 - lander with the surface stationary station.
3. Spacecraft launch – 2014, Baikonur launch site.
4. Mission duration:
 - orbiter – 3 years;
 - lander – 1 year.
8. Initial mass:
 - orbiter mass – 1 657kg;
 - lander mass – 1260 kg.
9. Mass of scientific equipment:
 - on the orbiter – 120 kg;
 - on the lander – 50 kg.



"LUNA-GLOB" MISSION



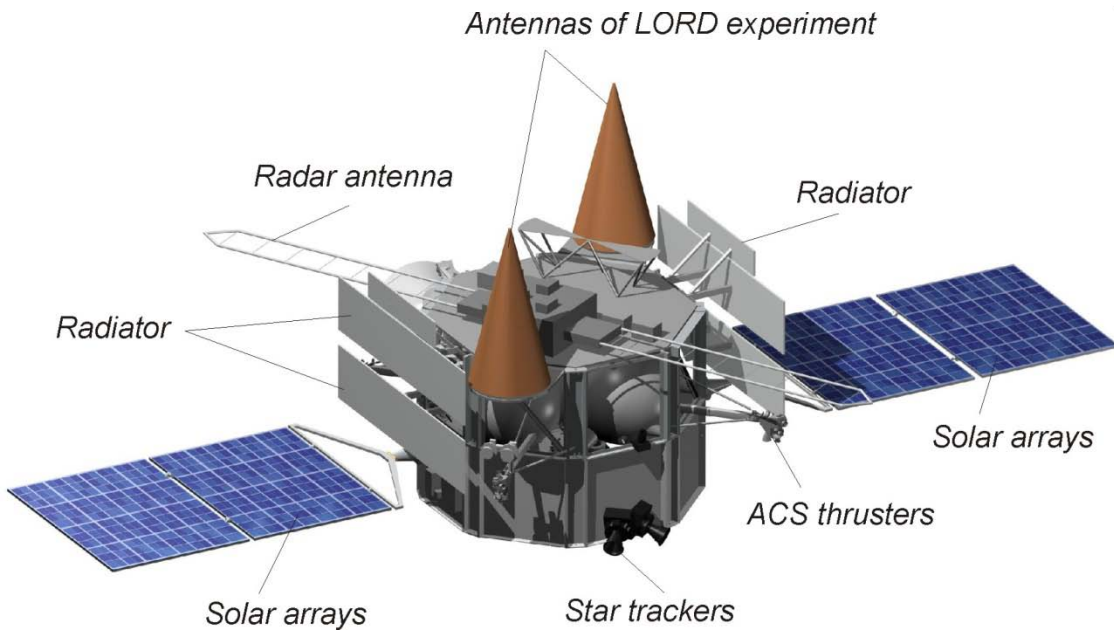
Launcher	"Soyuz-2/1b" Launcher "Fregat" upper stage
Launch year	2014
Spacecraft composition	<ul style="list-style-type: none">• Orbiter• Lander
Spacecraft mass	2 967 kg
Orbiter mass	1 657 kg
Lander mass	1 260 kg
Lander communication with the Earth	Directly to the Earth
Mass of scientific equipment on the orbiter	120 kg
Mass of scientific equipment on the lander	50 kg



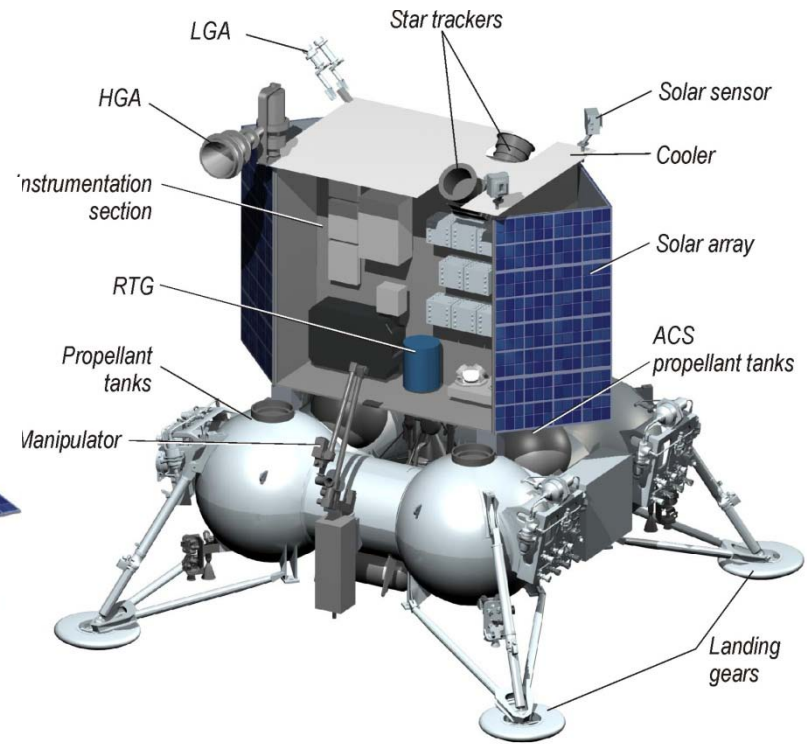
"LUNA-GLOB" MISSION



ORBITER



LANDER





"LUNA-GLOB" MISSION



"LUNA-GLOB" ORBITER MISSION PROFILE

