

Roskomos (Russian Space Program)



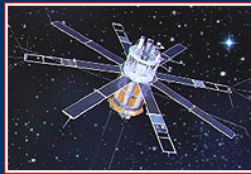
Russian Space Program Overview

- -No Aerospace industry
- -Space agency just makes decisions and distributes money
- -Space program is a business first
- -Vision for space is National prestige

Space Science

AUOS

- Joint Russia Ukraine
- Study of the Sun
 - Solar flares
 - Mass ejections
 - Interaction between Solar wind and Magnetosphere



Space Science

- COMPAS
 - Earth's Magnetism
 - Wave Propagation in Ionosphere
 - Possible link to earthquakes



Space Science

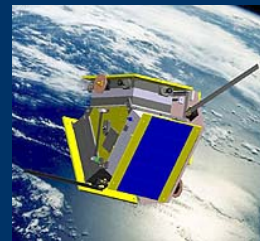
• COROT

- 27cm diameter telescope
- Study tiny variations of light intensity from stars.
- Stellar structure
- Extrasolar planets



Space Science

- Nano Satellites
 - 1 Science objective per satellite
 - >10cm
 - >50grams



Space Science

- Phobos-Grunt
 - Mission Mars moon Phobos
 - Lander
 - Soil sample return mission
 - 2009



Space Science

- Venera-D
 - Venus Mission
 - Lander
 - 2017



Space Science

- Spektr-R
 - Radio Space Telescope
 - Highly elliptical orbit
 - Late 2008
- Spektr-UF
 - Ultra-Violet Space Observatory
 - 2010
- Spektr-RG
 - X-Ray Space Telescope
 - 2011

Space Exploration

- Vision for Space Exploration...
 - Man on Moon by 2025
 - Lunar Base by 2030
 - Man on Mars soon after 2040
 - Head of space agency questioned for ambitious statements

Space Exploration

- Soyuz
 - Analogous to Apollo
 - Developed in the 60's
 - Russians stick with what works



Space Exploration

- Kliper
 - Designed to be Soyuz replacement
 - Multifunctional spacecraft capable of going into deep space.
 - Needs financial help!

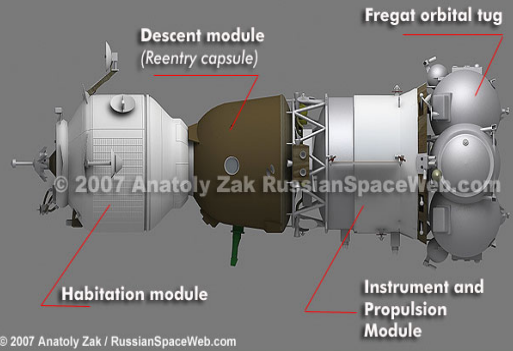


Space Exploration

- SOYUZ ACTS
- Spacecraft Designed for next Lunar landing
- ACTS incorporates all modules
- Leapfrogs Kliper
- Leverage old SOYUZ technology



SOYUZ ACTS CONCEPT WITH FREGAT UPPER STAGE



Space Exploration

- Lunar Exploration
- Man on Moon by 2025
- Lunar Base by 2030



For more detail see...

<http://www.russianspaceweb.com/index.html>

