



Astroexpress 17

Waldemar Zwierzchlejski
Częstochowa, 04.01.2012

Co nas czeka w najbliższym czasie? (05.10.2011)

data	Wydarzenie
20.10.2011	pierwszy start Sojuza z Kourou
30.10.2011	start Progressa M-13M
31.10.2011	start Shenzhou-8
08.11.2011	start sondy Fobos-Grunt
25.11.2011	start sondy MSL
...	kilkanaście mniej istotnych wydarzeń

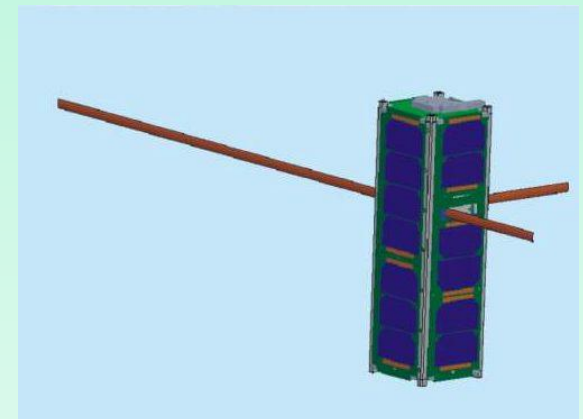
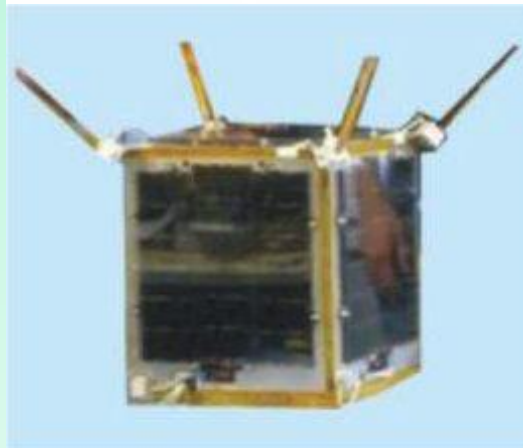
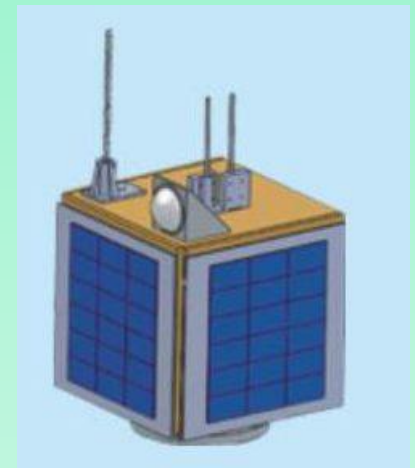
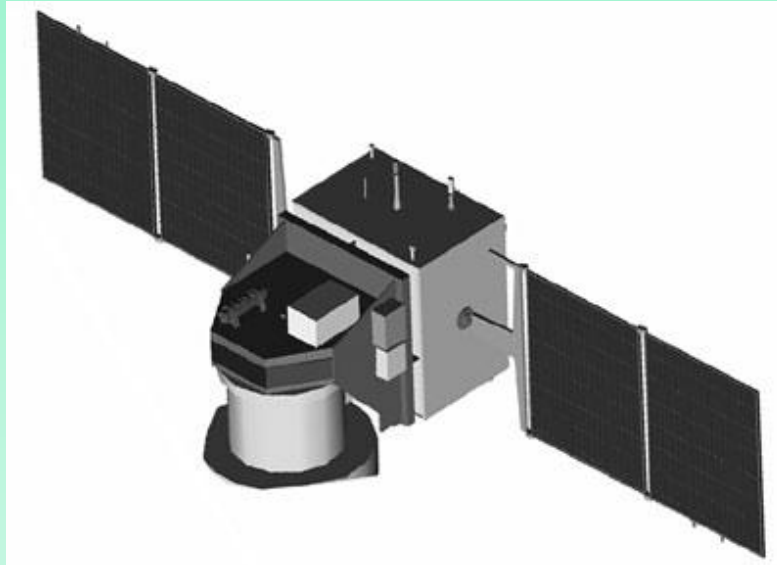
05.10.2011 Bajkonur, Zenit-3SLB, Intelsat-18



07.10.2011 Xichang, CZ-3B/E, Eutelsat W3-C



12.10.2011 Sriharikota, PSLV-CA, Megha-Tropiques,
Orbcomm AIS-Sat-1, SRMSat i Jugnu.



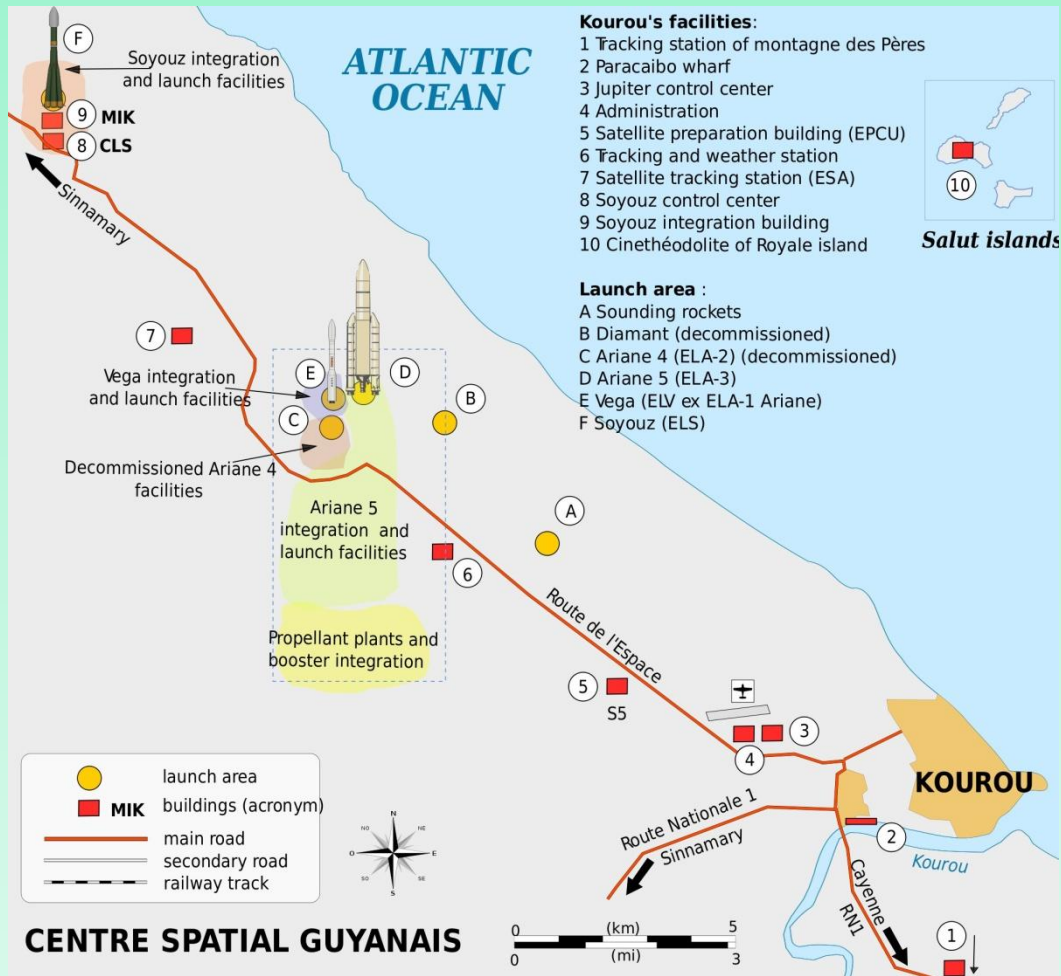
19.10.2011 Bajkonur, Proton-M/Briz-M, ViaSat-1



21.10.2011 Kourou, Sojuz-2/Fregat, GALILEO-IOV-1, -2



Sojuz z Kourou



Sojuz z Kourou



Międzykontynentalny Sojuz – Azja (Bajkonur, 1957)



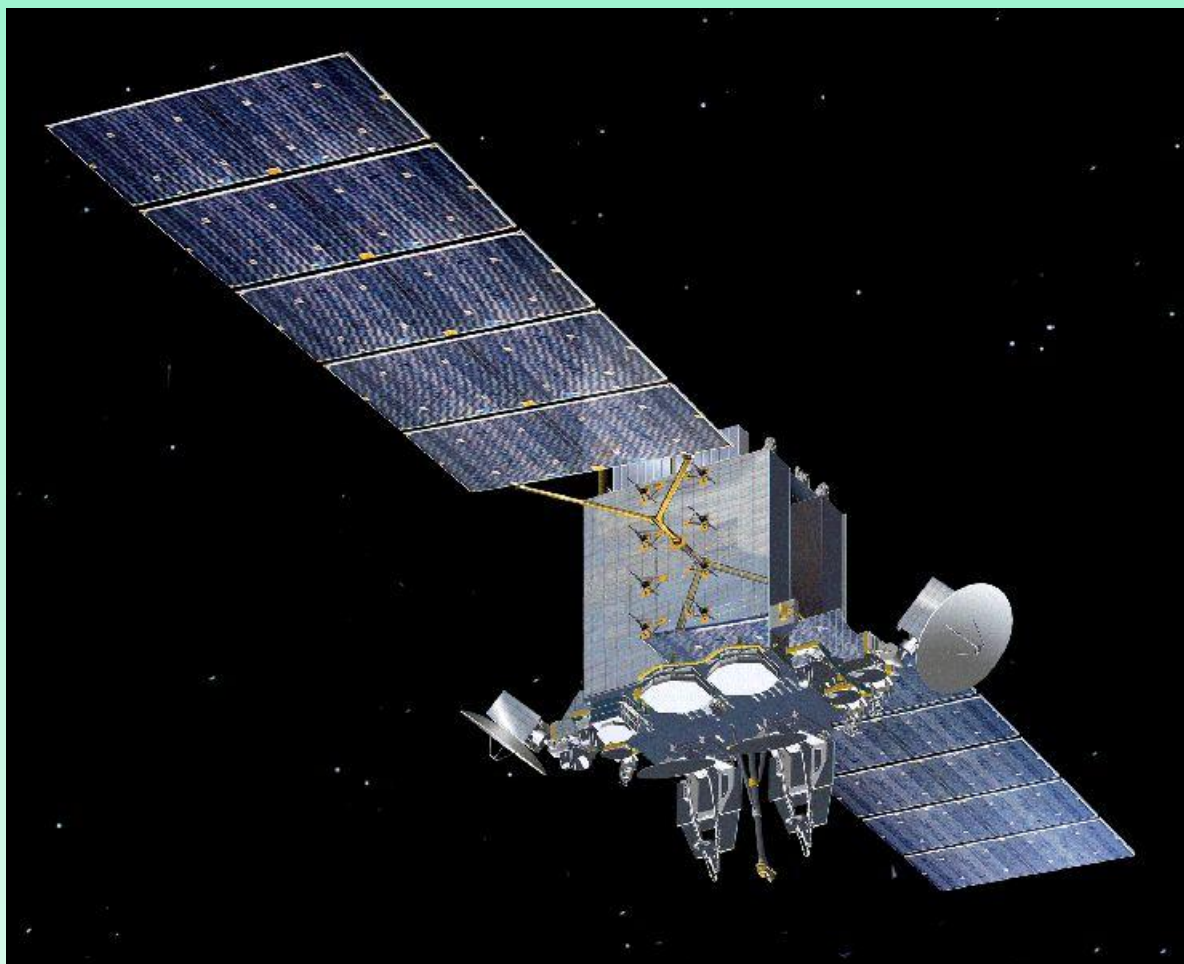
Międzykontynentalny Sojuz – Europa (Plesieck, 1966)



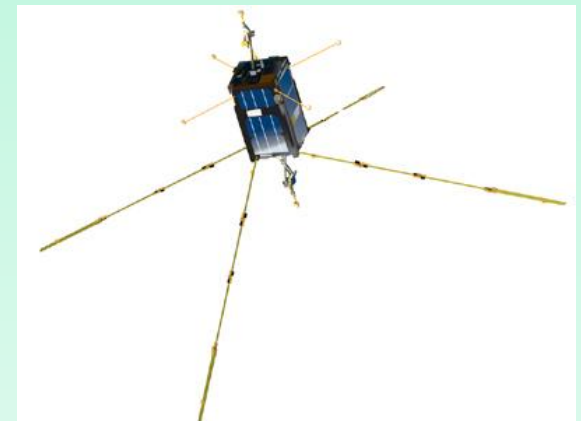
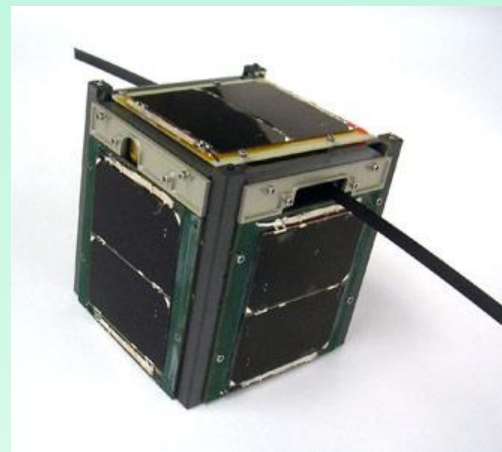
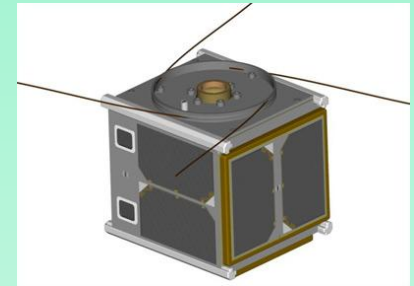
Międzynakontynentalny Sojuz – Ameryka pd. (Kourou, 2011)



25.10.2011 AEHF-1 (14.08.2010) na GEO



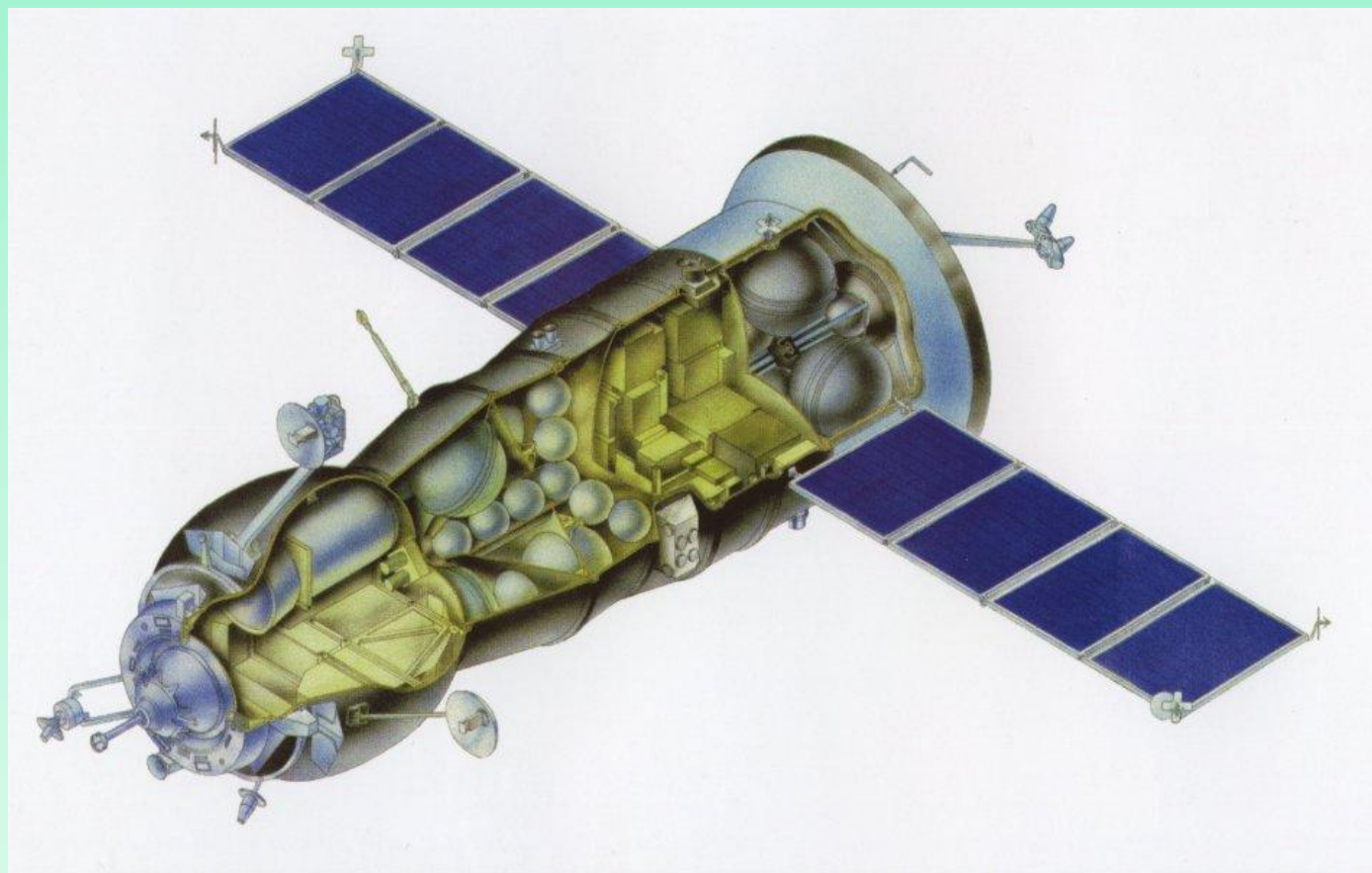
28.10.2011 Vandenberg, Delta-2, NPP, RAX 2, DICE 1, DICE 2, AubieSat 1, M-Cubed i E1P F2.



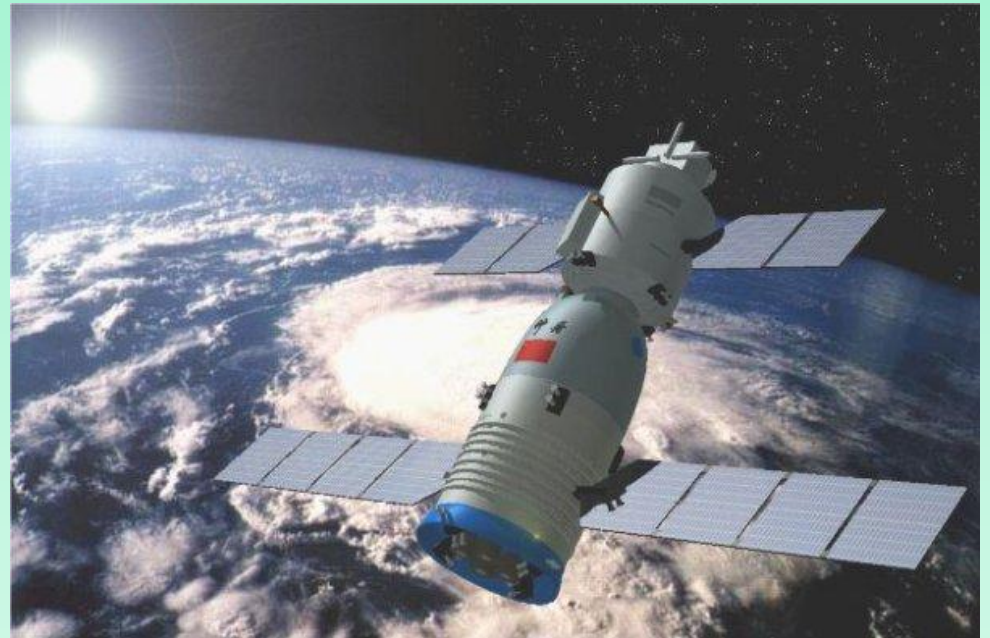
29.10.2011 ISS, odłączenie Progressa M-10M



30.10.2011 Bajkonur, Sojuz-U, Progress M-13M



31.10.2011 Jiuquan, CZ-2F, Shenzhou-8



29.09.2011 – Tiangong-1



02-14, 14-16.11.2011



17.11.2011



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WWW.NEWS.CN

04.11.2011 Bajkonur, Proton-M/Briz-M, Kosmos 2475-77



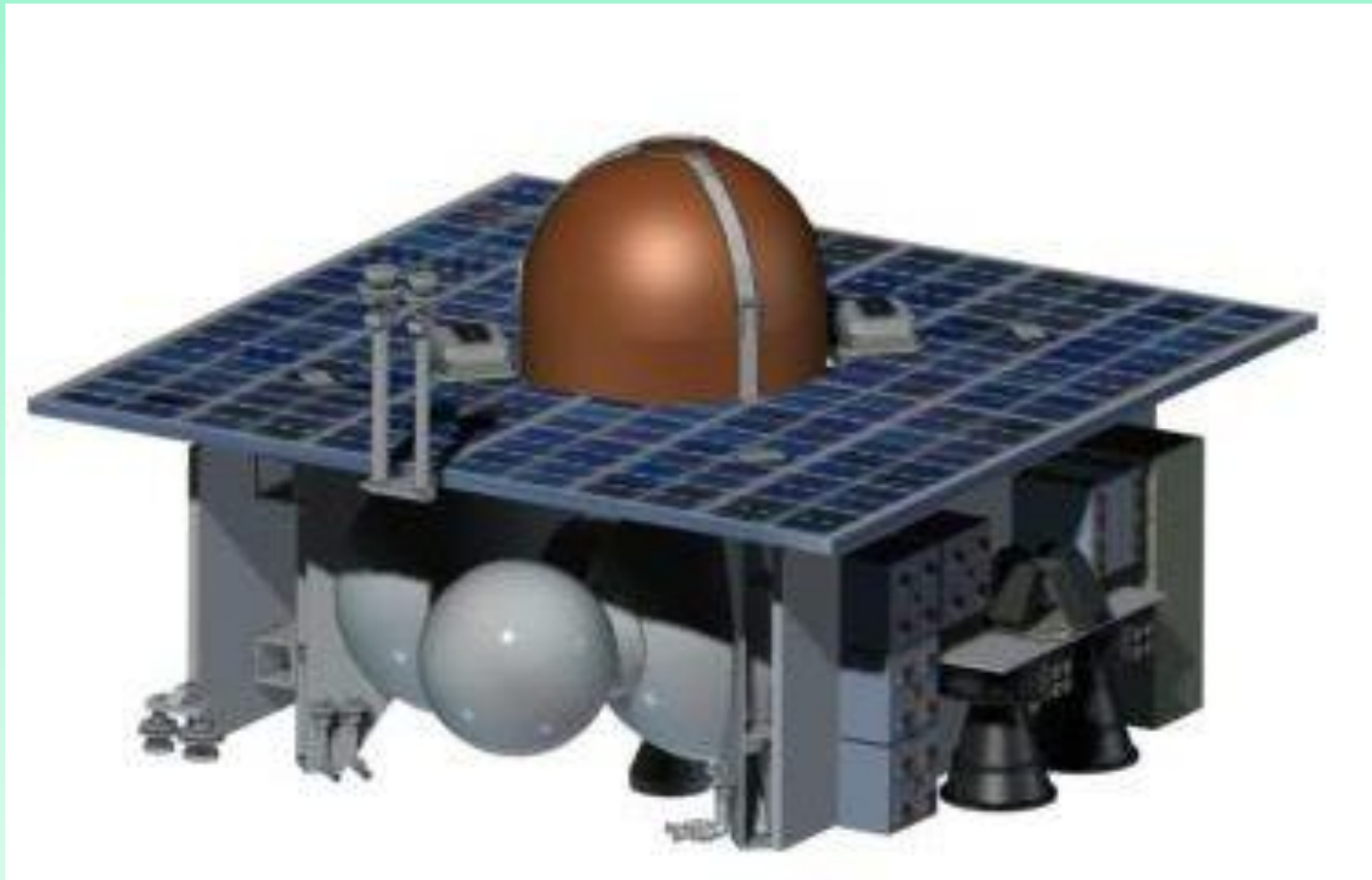
08.11.2011 Bajkonur, Zenit-2SB, Fobos-Grunt, Yinghuo-1



08.11.2011 Bajkonur, Zenit-2SB, Fobos-Grunt, Yinghuo-1



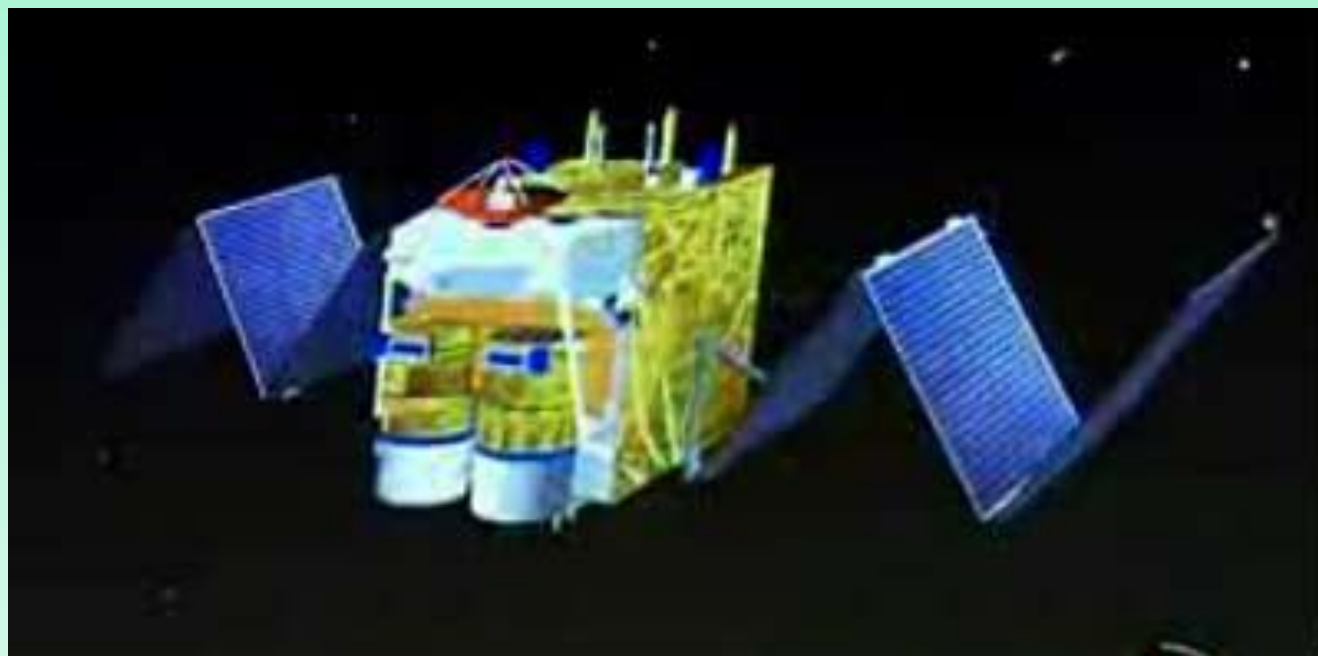
08.11.2011 Bajkonur, Zenit-2SB, Fobos-Grunt, Yinghuo-1



08.11.2011 Bajkonur, Zenit-2SB, Fobos-Grunt, Yinghuo-1



09.11.2011 Taiyuan, CZ-4B, Yaogan-12, TX-1



14.11.2011 Bajkonur, Sojuz-FG, Sojuz TMA-22



Daniel Burbank, Anton Szkaplerow, Anatolij Iwaniszyn



29. stała załoga ISS



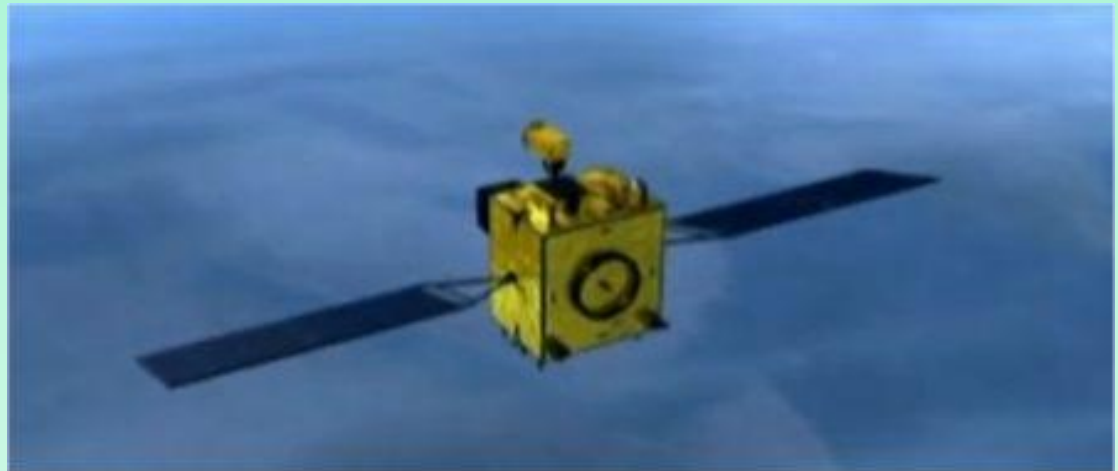
22.11.2011 powrót Sojuza TMA-02M



22.11.2011 powrót Sojuza TMA-02M



20.11.2011 Jiuquan, CZ-2D, Shiyan-4, Chuang Xin 1-03



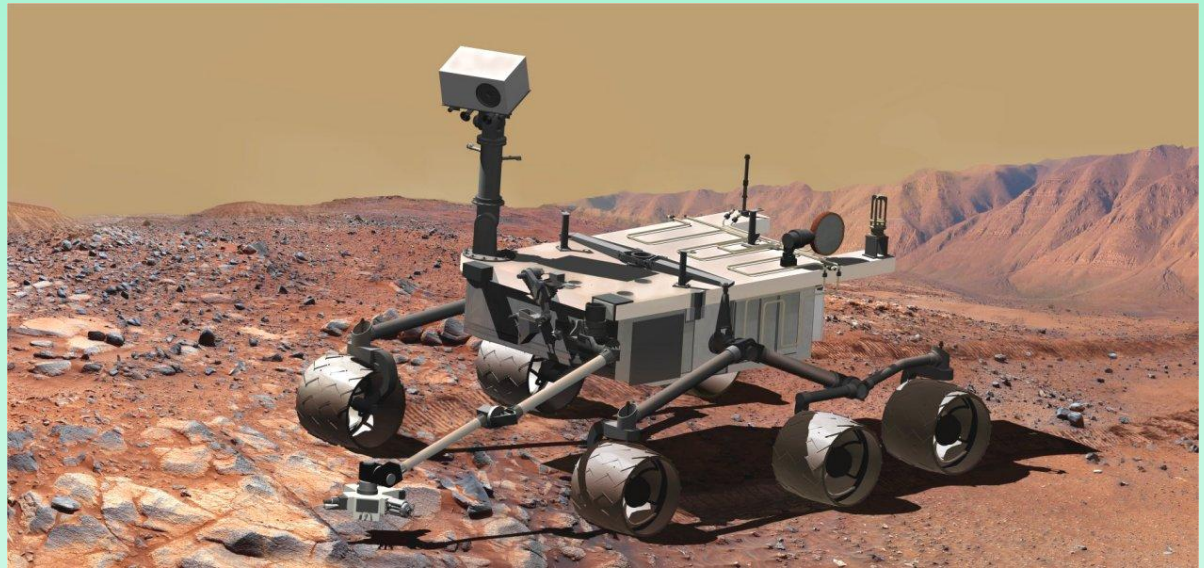
23.11.2011 Sinsheim, Niemcy



25.11.2011 Bajkonur, Proton-M/Briz-M, Asiasat-7



26.11.2011 Cape Canaveral, Atlas-5, MSL/Curiosity



25-27.11.2011 Valašské Meziříčí, Republika Czeska
Seminář „Kosmické technologie - pilotované lety”



ValMez 2011



ValMez 2011 – Ivan Bella



ValMez 2011 – Ivan Bella



ValMez 2011 – Ivan Bella



ValMez 2011 – Ivan Bella



ValMez 2011 – Ivan Bella



ValMez 2011 – Tomáš Příbyl i MSL



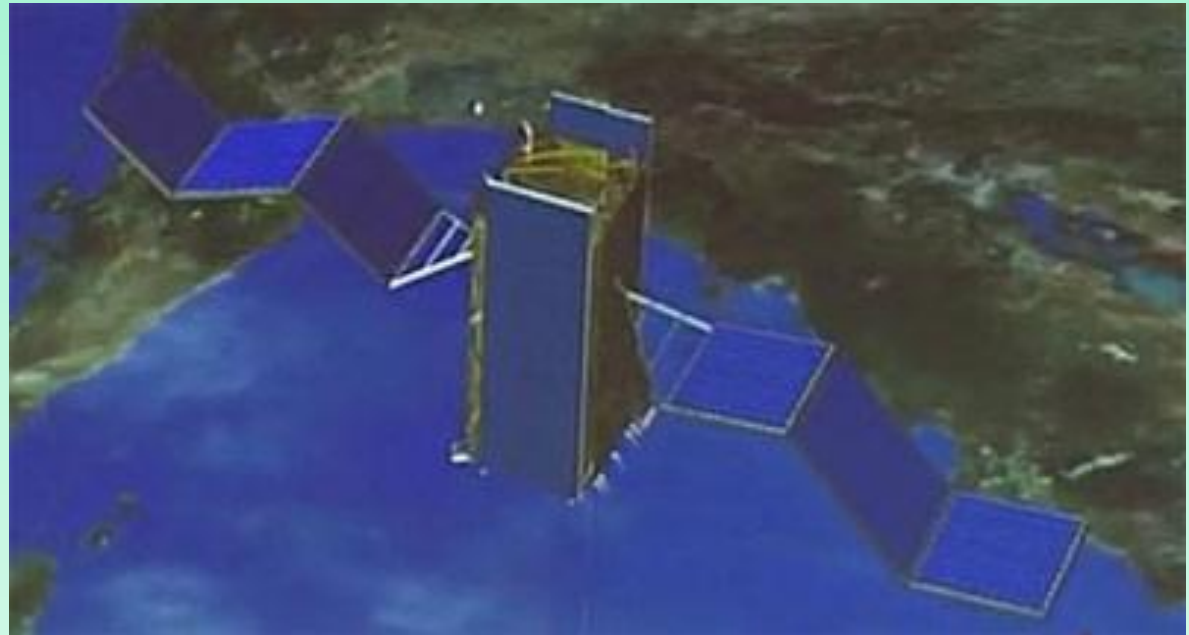
ValMez 2011 – restauracija „Modrá Hvězda”



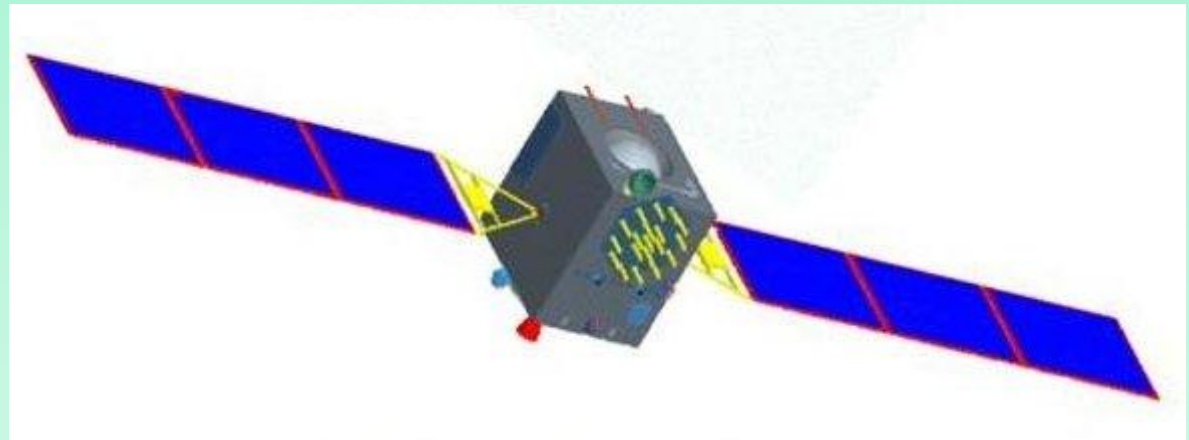
28.11.2011 Plesieck, Sojuz-2/Fregat, Kosmos 2478 (24!)



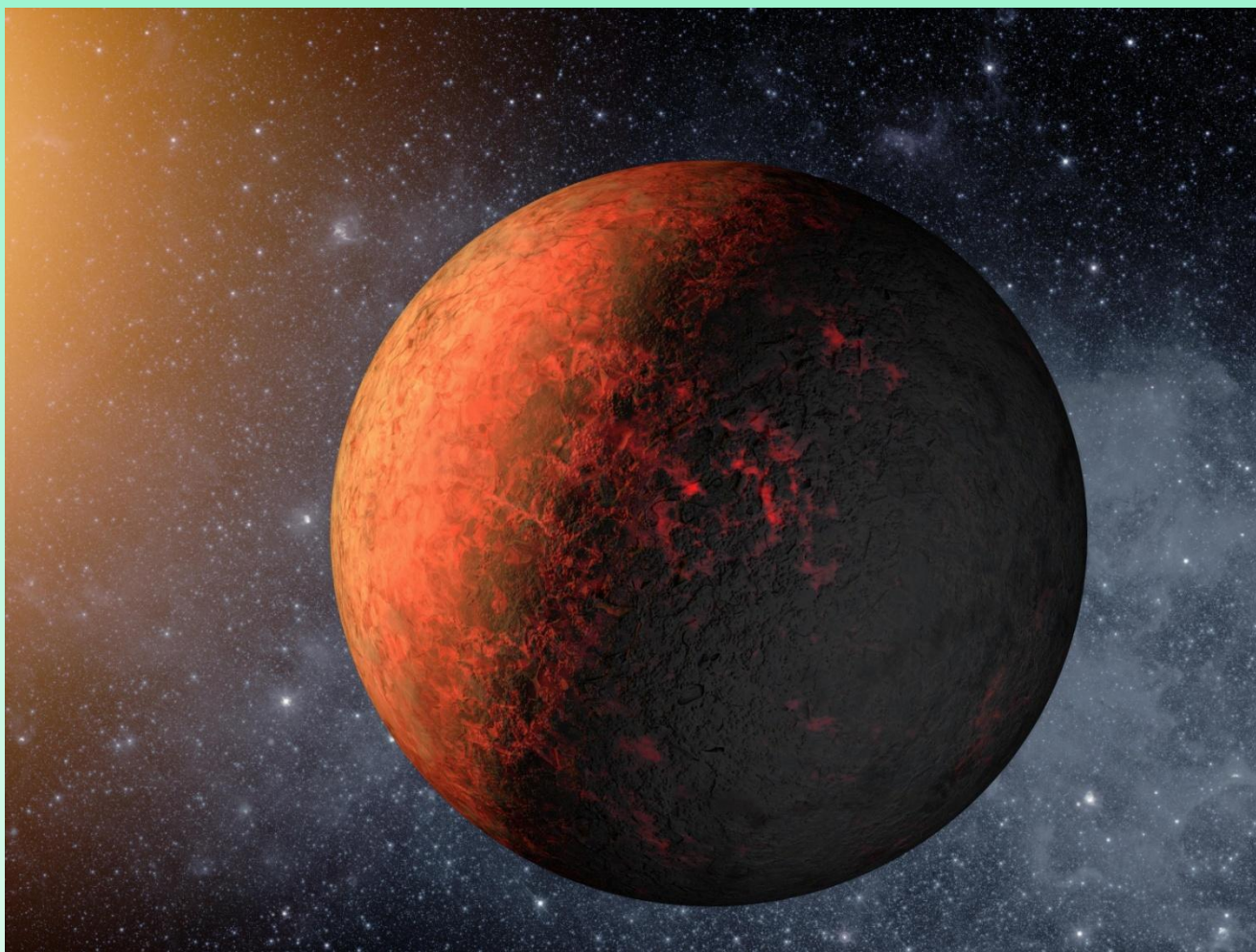
29.11.2011 Taiyuan, CZ-2C, Yaogan-13 (16 - rekord)



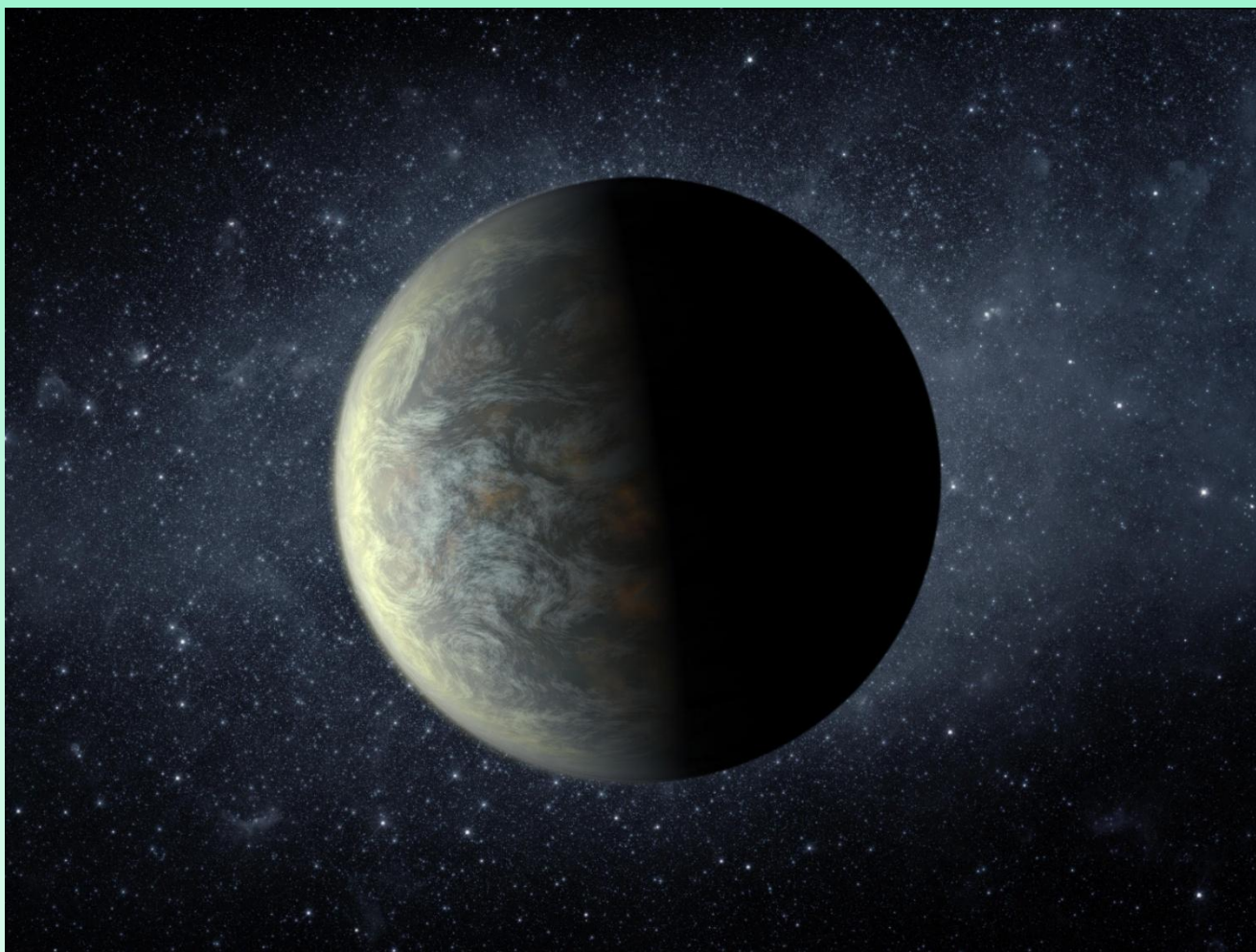
01.12.2011 Xichang, CZ-3A, Beidou-2, Compass G-5



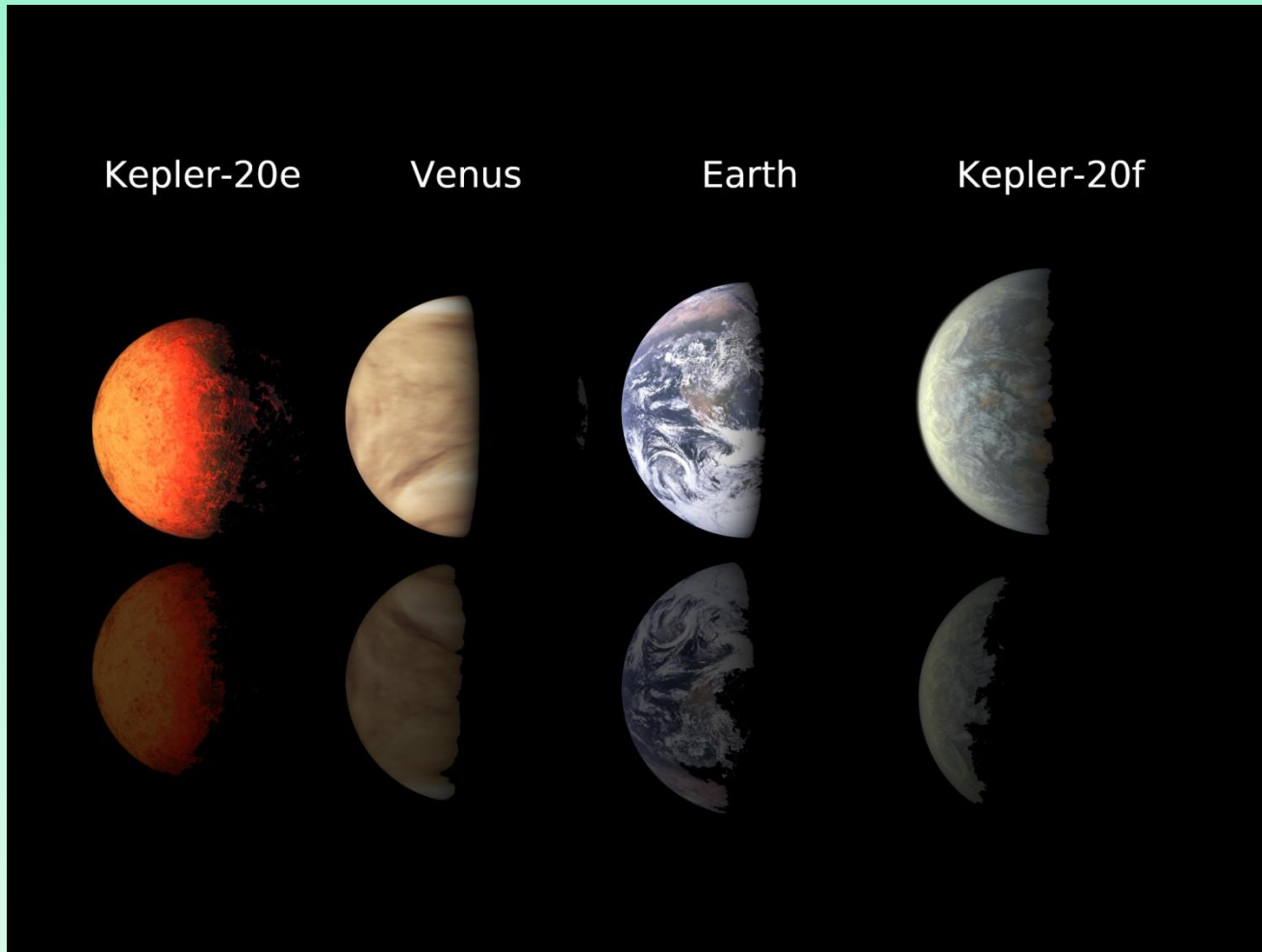
05.12.2011 Kepler-20e



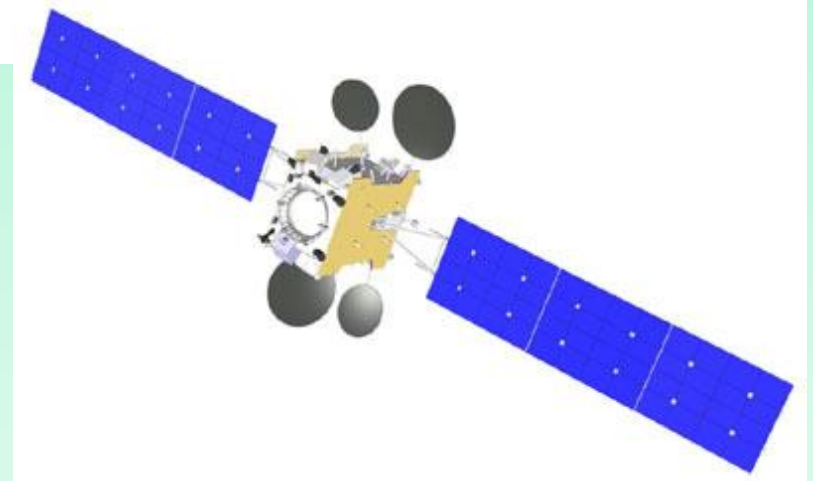
05.12.2011 Kepler-20f



05.12.2011 Kepler-20



11.12.2011 Bajkonur, Proton-M/Briz-M, Łucz-5A, Amos-5

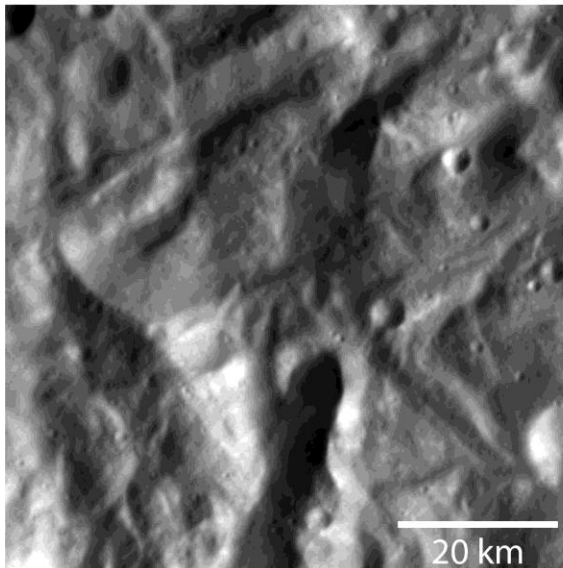


12.12.2011 Tanegashima, H-2A, IGS-3R

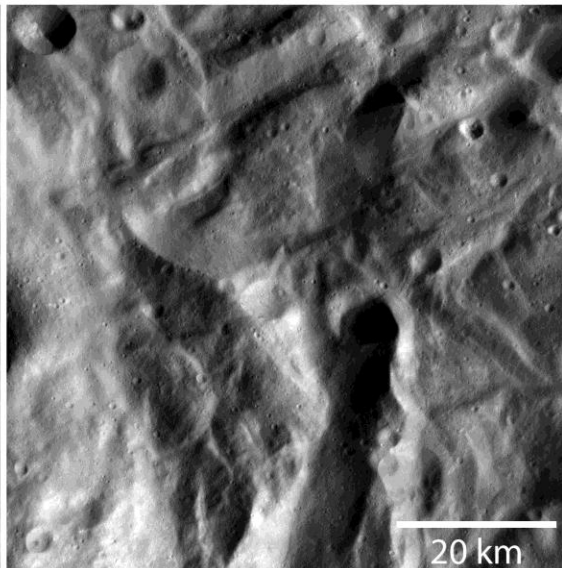


12.12.2011 Westa LAMO, Dawn

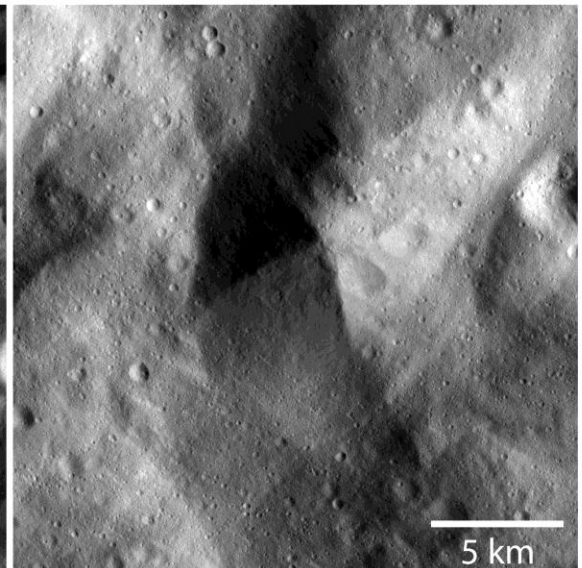
Dawn Framing Camera
resolution comparison of images from different orbit altitudes



Survey Orbit



High-Altitude Mapping Orbit
(HAMO)



Low-Altitude Mapping Orbit
(LAMO)

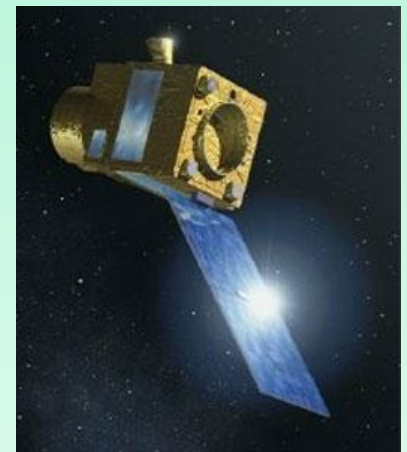
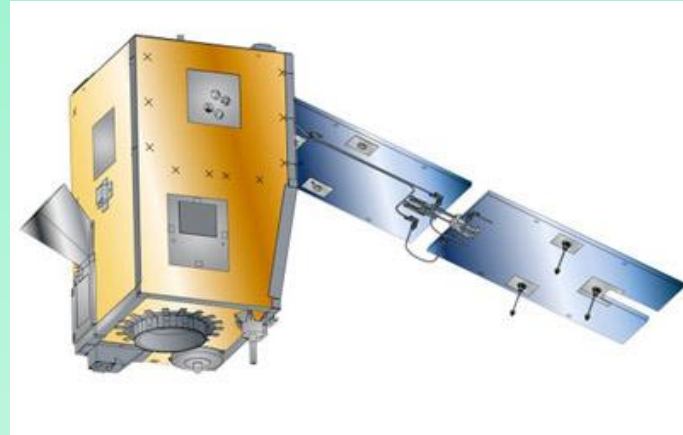
Boris Jewsiejewicz Czertok (01.03.1912-14.12.2011)



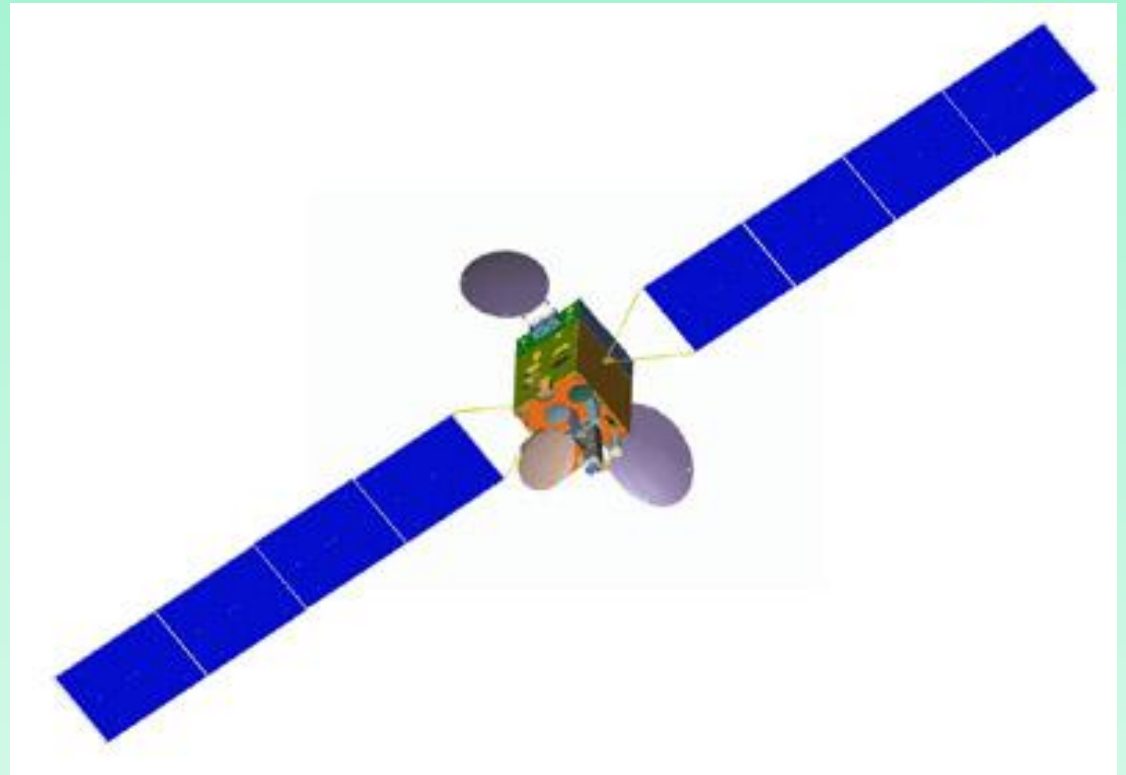
Boris Jewsiejewicz Czertok (01.03.1912-14.12.2011)



17.12.2011 Kourou, Sojuz-2, Pléiades, ELISA 1-4, SSOT



19.12.2011 Xichang, CZ-3B/E, NigComSat-1R



21.12.2011 Bajkonur, Sojuz-FG, Sojuz TMA-03M



Donald Pettit, Oleg Kononienko, André Kuipers



30. stała załoga ISS



30. stała załoga ISS



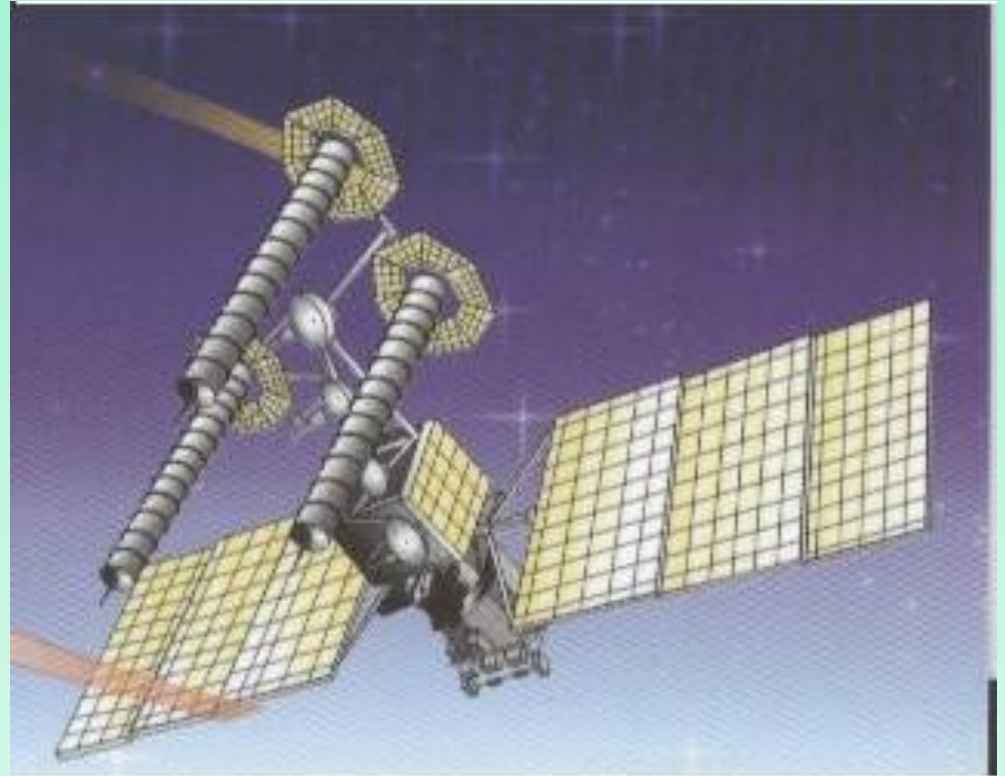
Kometa Lovejoy



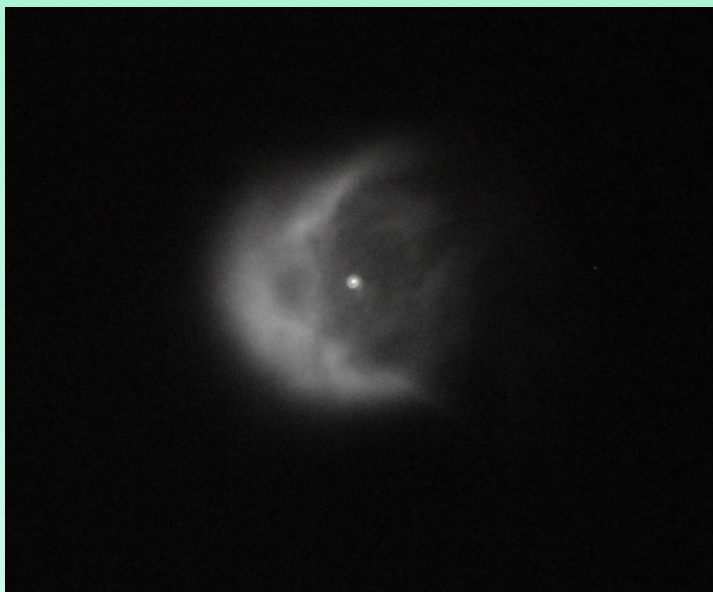
22.12.2011 Taiyuan, CZ-4B, Zi Yuan-1-2C (19)



23.12.2011 Plesieck, Sojuz-2/Fregat, Meridian-5



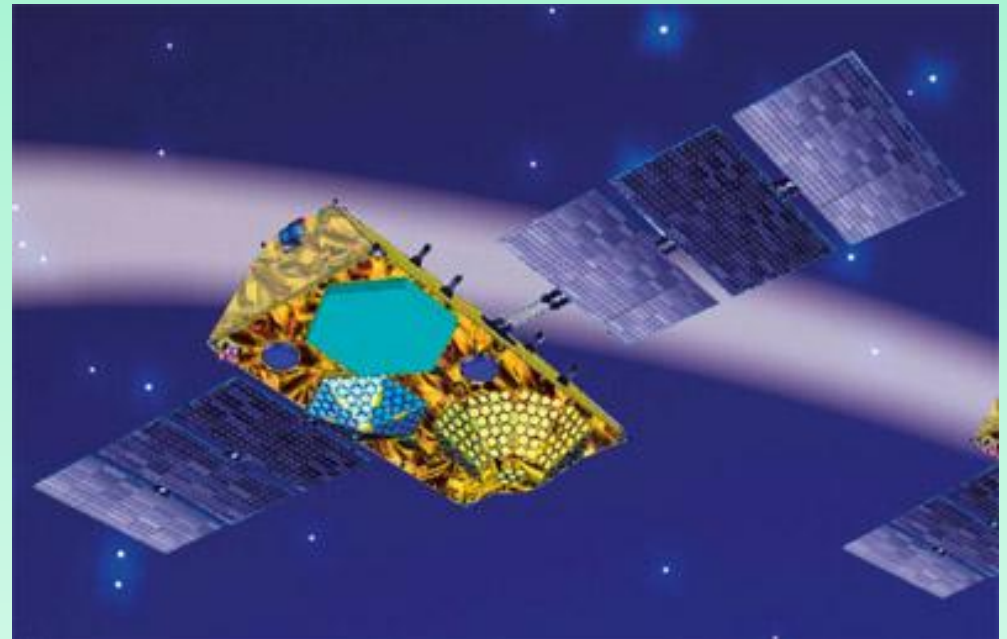
23.12.2011 Plesieck, Sojuz-2/Fregat, Meridian-5



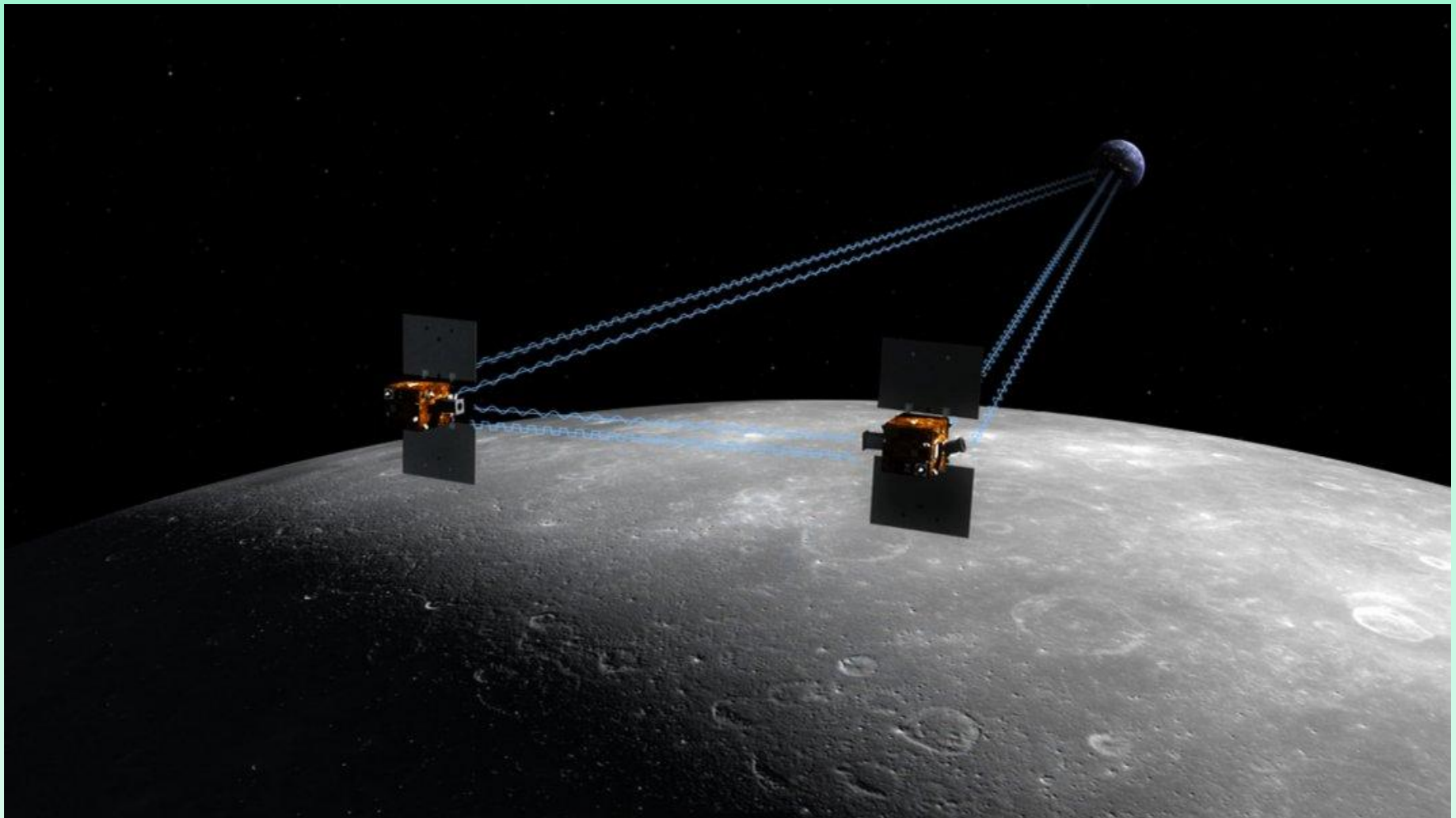
Wagajcewo k/Nowosybiraska, ul. Kosmonautów ☺



28.12.2011 Bajkonur, Sojuz-2/Fregat, 6 x Globalstar-2



31.12.2011/01.01.2012 Księżyc



Co nas czeka w najbliższym czasie?

data	Wydarzenie
07.02.2012	pierwszy start Vegi, pierwszy polski satelita
08.02.2012	start Dragona, pierwsze połączenie z ISS
12.02.2012	pierwszy start rakiety Antares
dodatkowo	kilkanaście mniej ważnych startów
???.???.2012	lądowanie OTV-2

Koniec

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