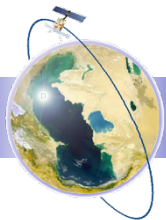


Prof. A.G. Kostianoy
P.P. Shirshov Institute of
Oceanology, Russian Academy
of Sciences, Moscow, Russia

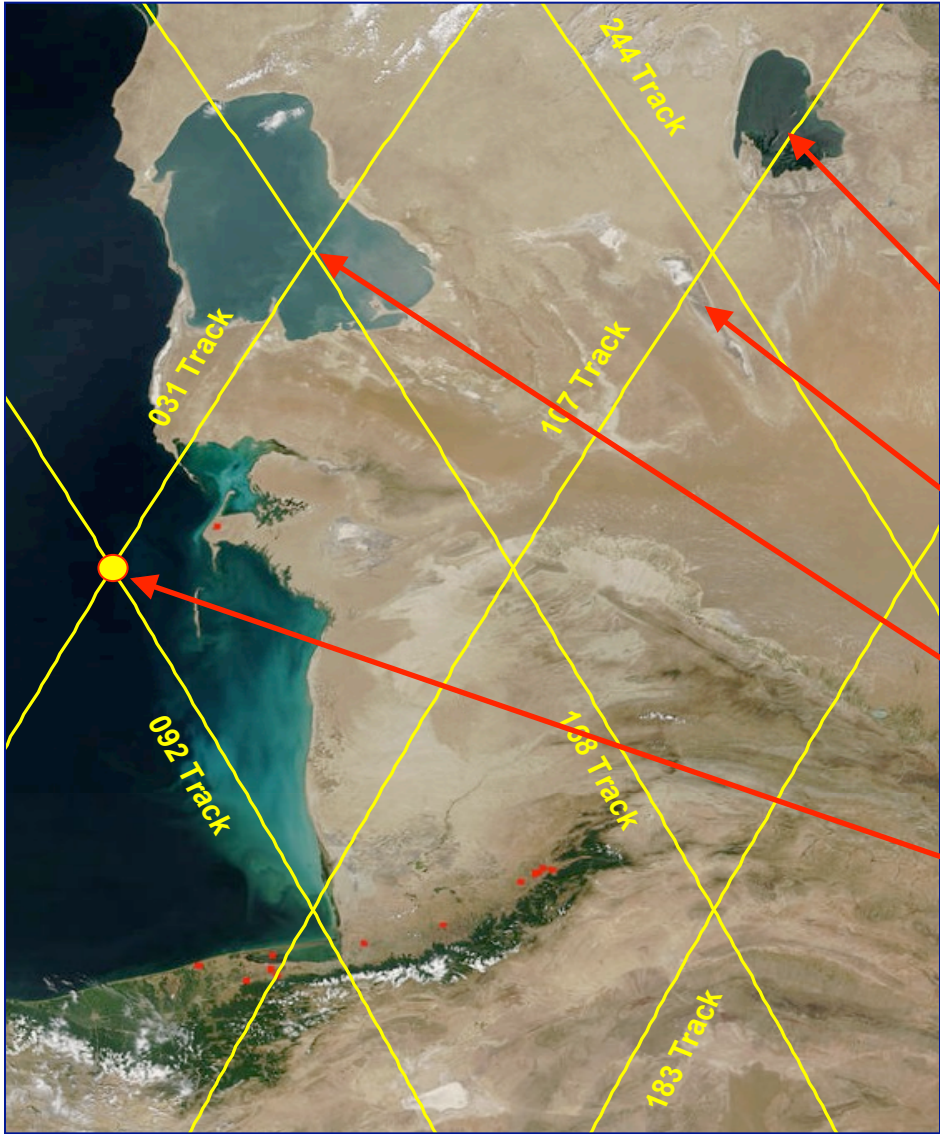
Dr. S.A. Lebedev
Geophysical Center,
Space Research Institute,
Russian Academy of Sciences,
Moscow, Russia

D.M. Solovyov
Marine Hydrophysical
Institute, National Academy of
Sciences of Ukraine,
Sevastopol, Ukraine

Satellite Altimetry of Inland Water Bodies in Turkmenistan



Complex Satellite Monitoring of Water Resources in Turkmenistan 2009-2012

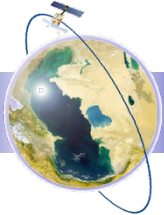


Sarykamysh Lake

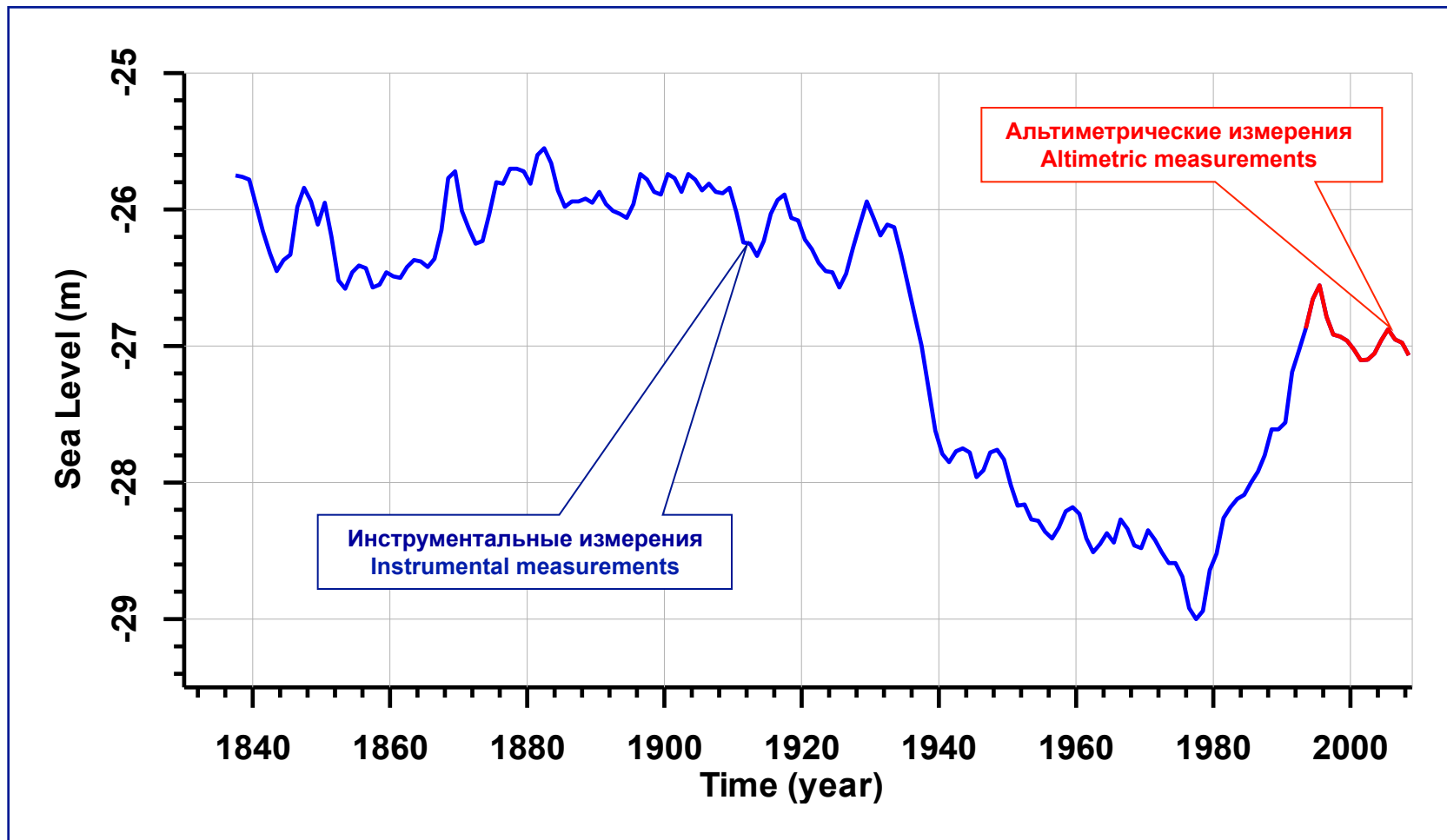
Altyn Asyr Lake

Kara-Bogaz-Gol Bay

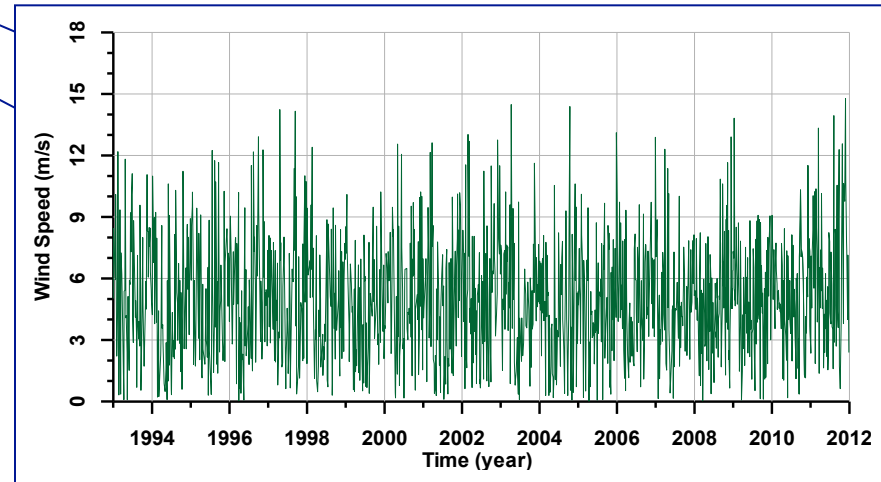
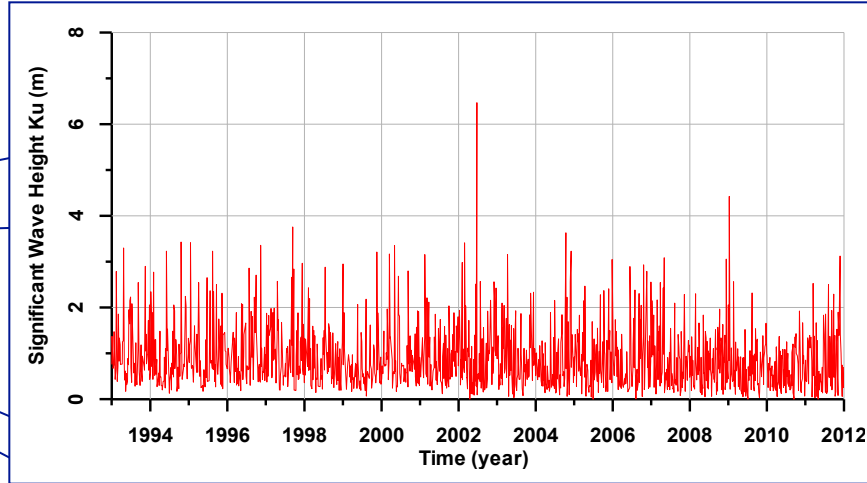
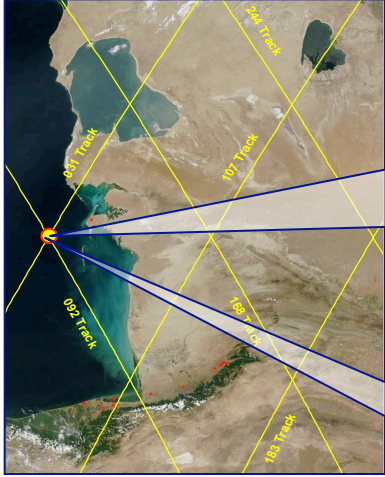
The Caspian Sea



The Caspian Sea Level Variation



The Caspian Sea Wave Height and Wind Speed Variation (1993-2011)

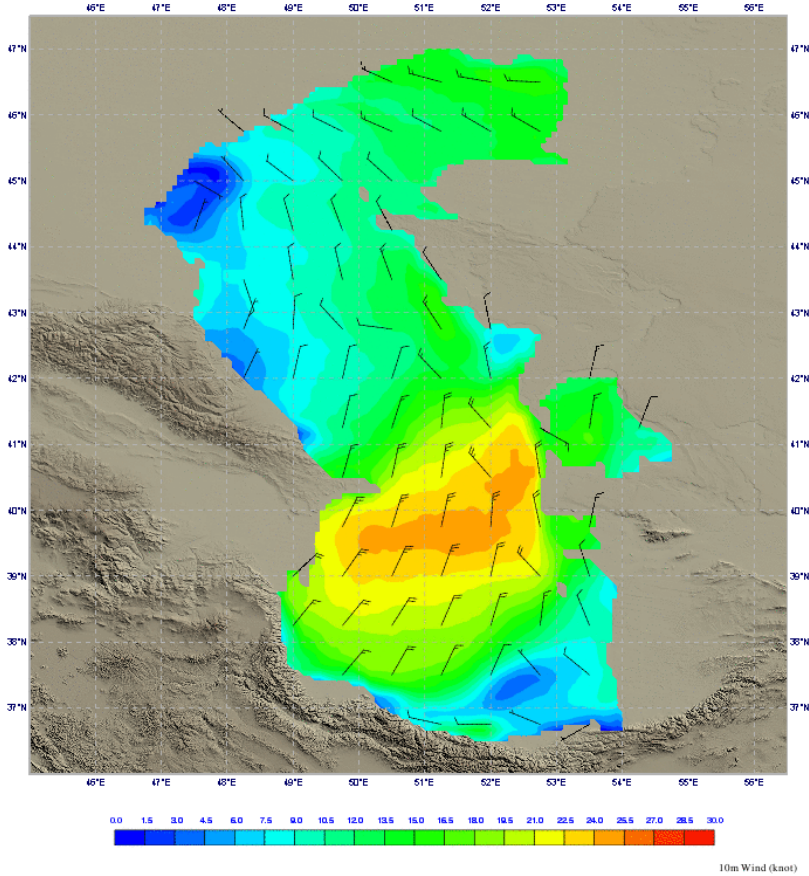


The Caspian Sea Wave Height and Wind Speed Daily Meteo Data (11 September 2012)



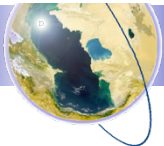
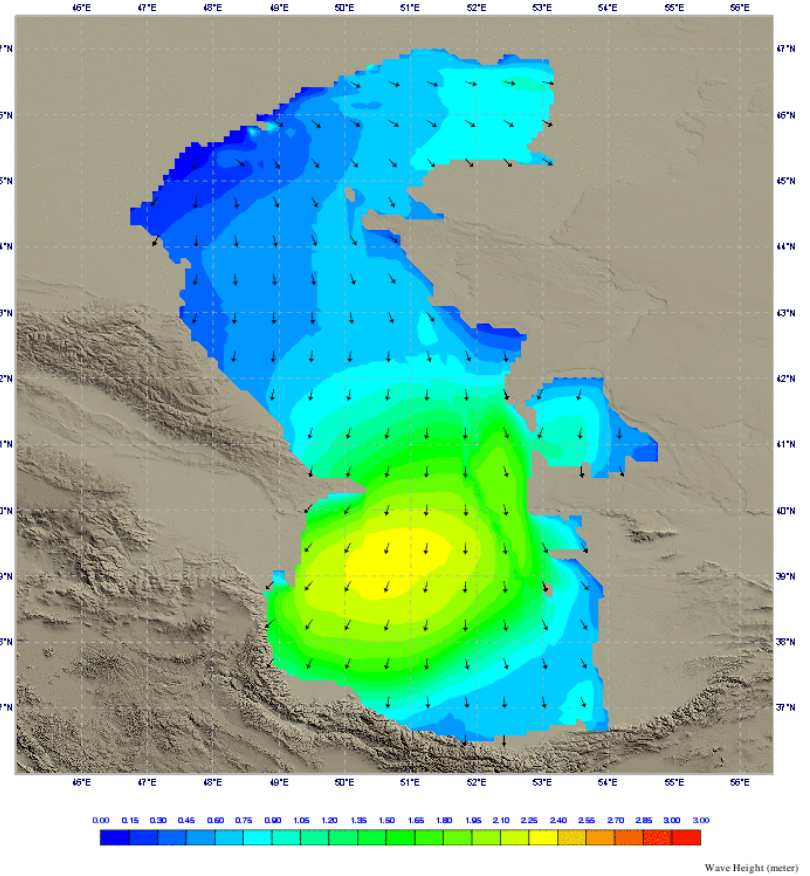
HAZAR

10m Wind (knot) Run: 11.09.2012 00:00GMT (T+12) Valid: 11.09.2012 12:00GMT (Tuesday)



HAZAR

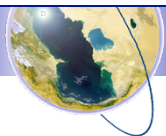
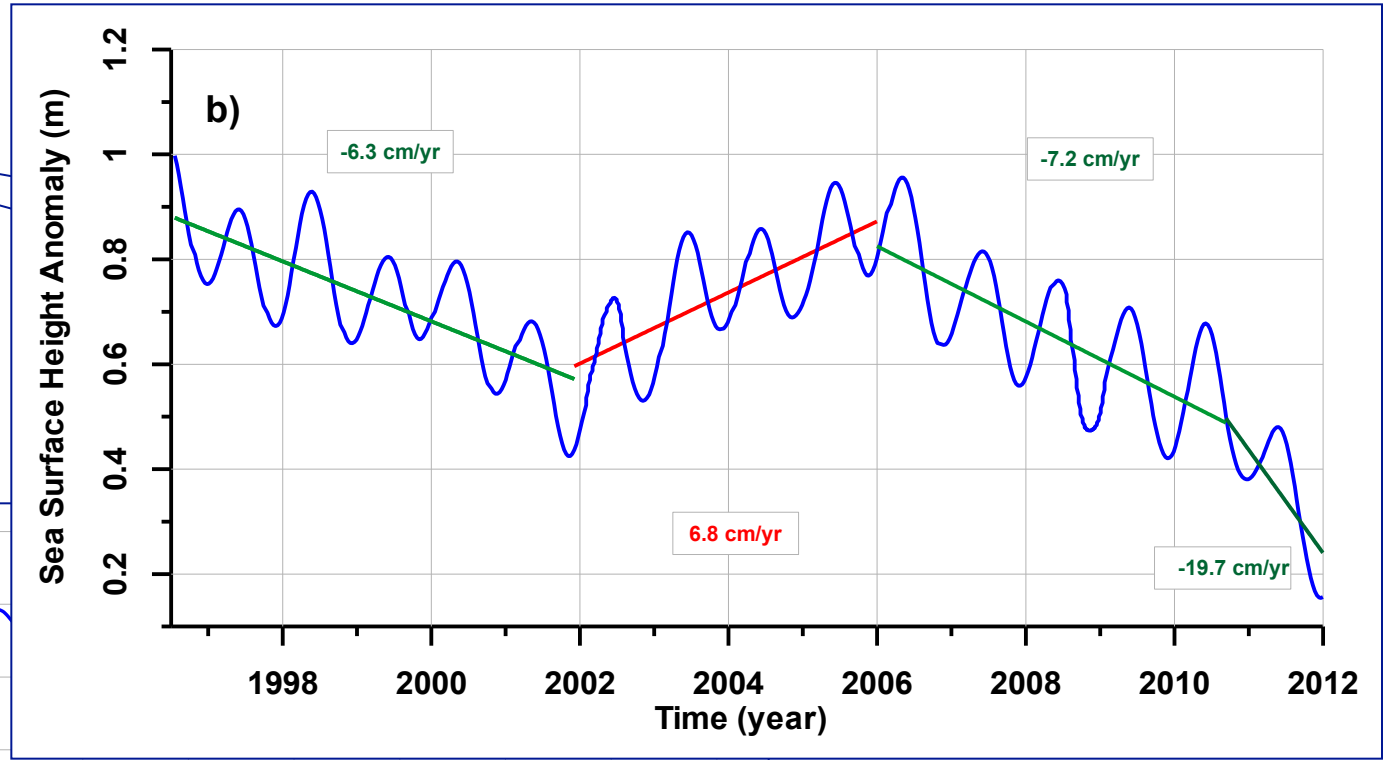
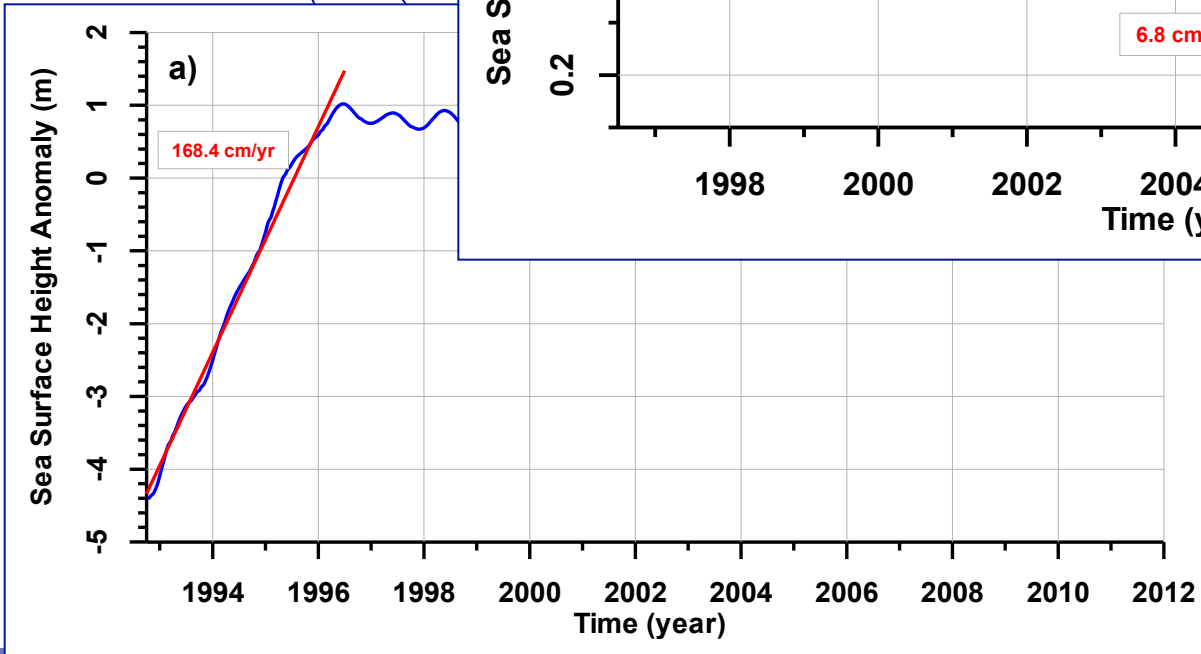
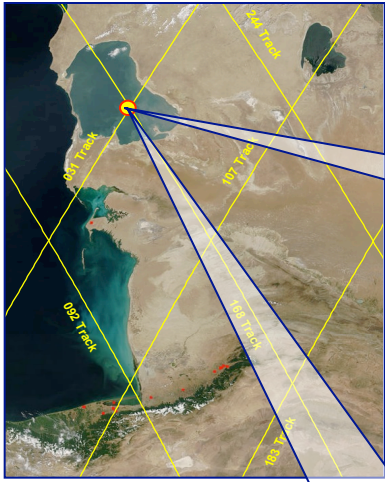
Wave Height (meter) Run: 11.09.2012 00:00GMT (T+12) Valid: 11.09.2012 12:00GMT (Tuesday)



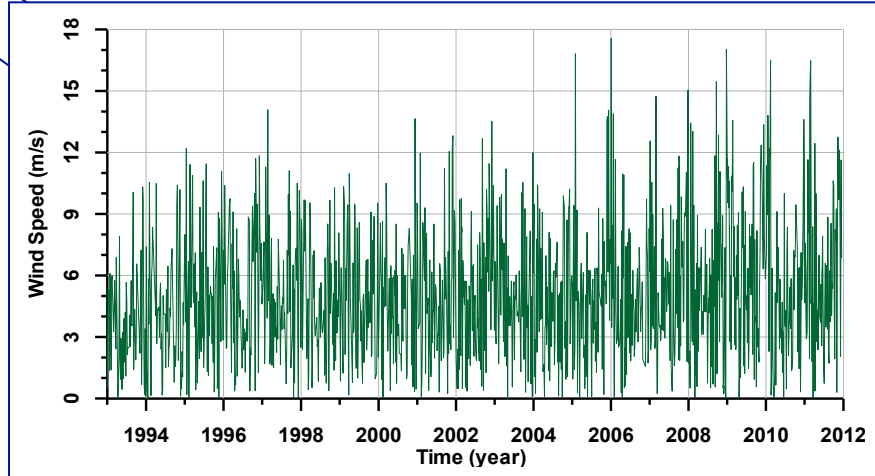
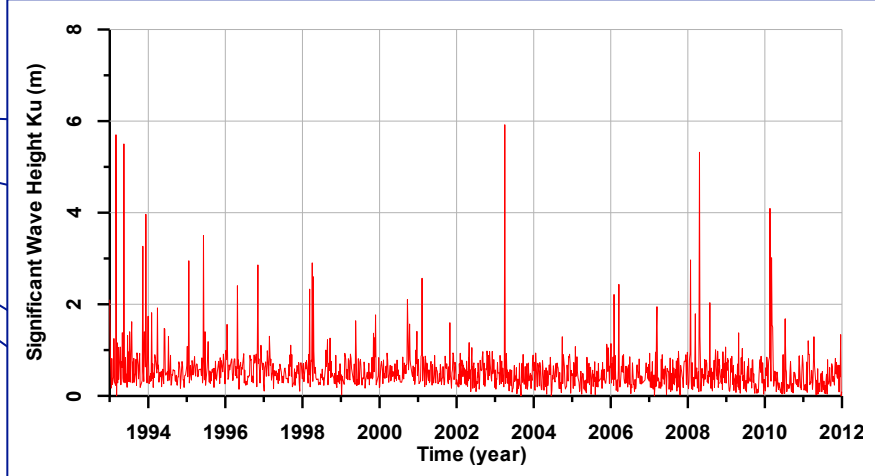
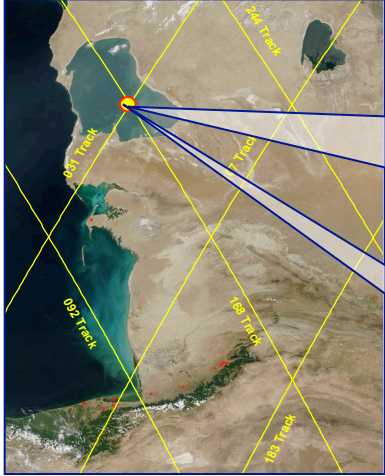
Turkmen National Tourist Area AVAZA



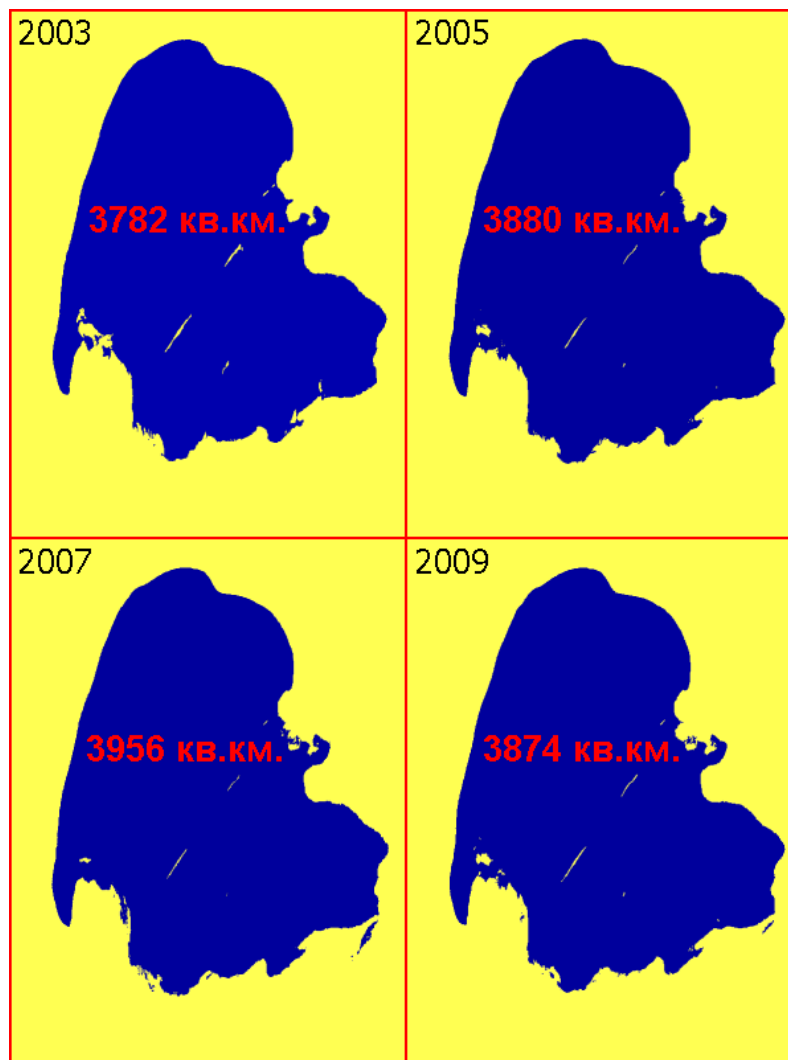
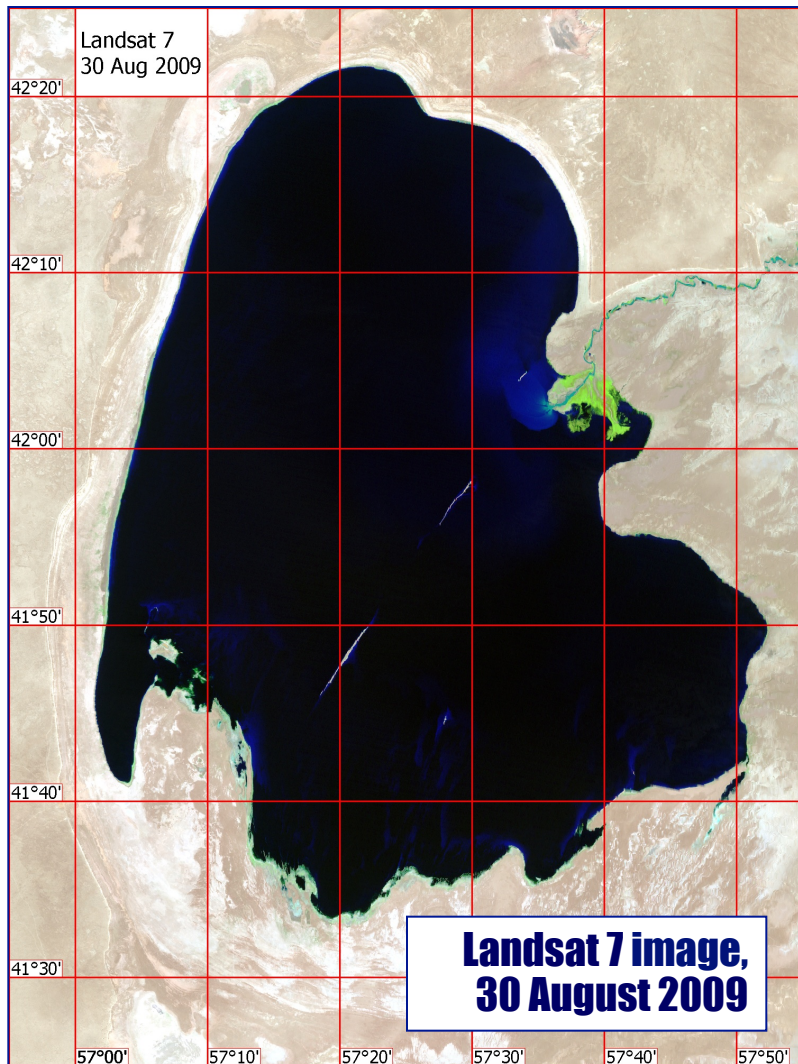
Kara-Bogaz-Gol Bay Sea Level Variation (1993-2011)



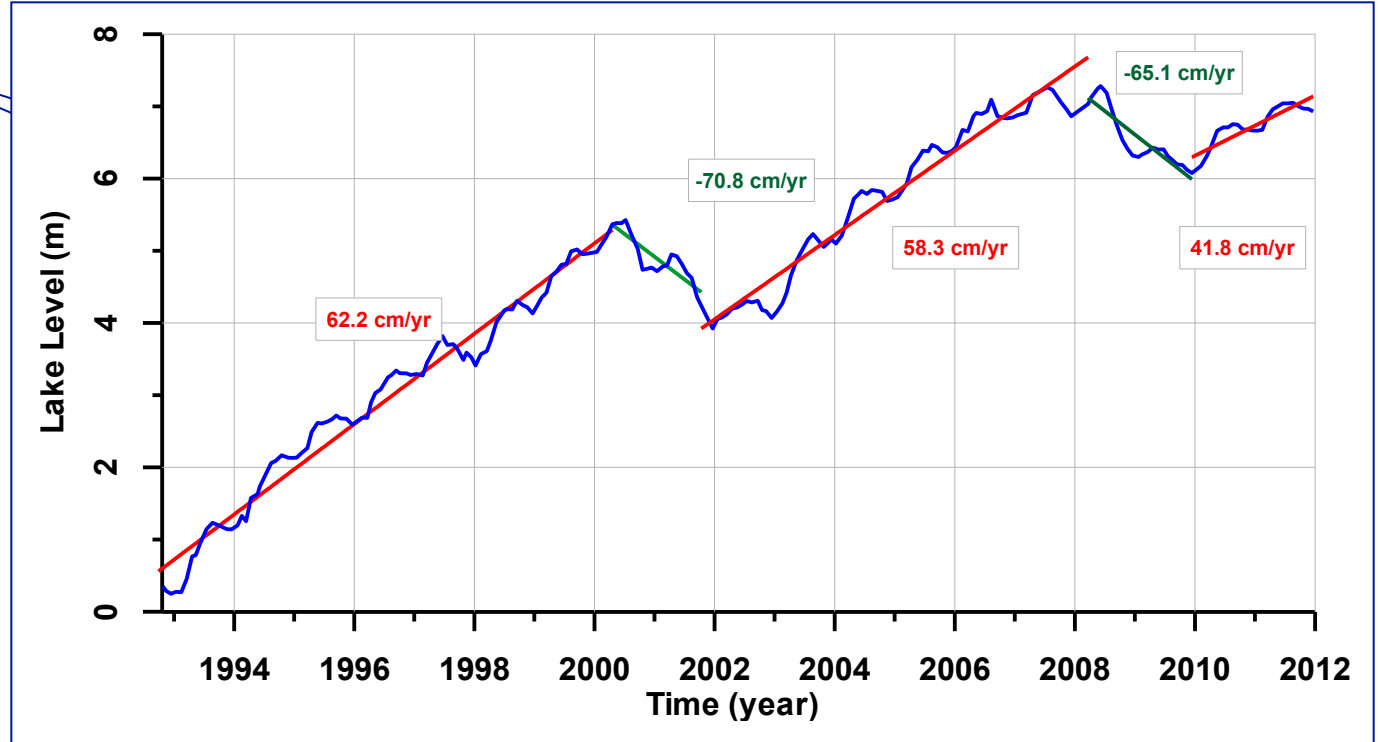
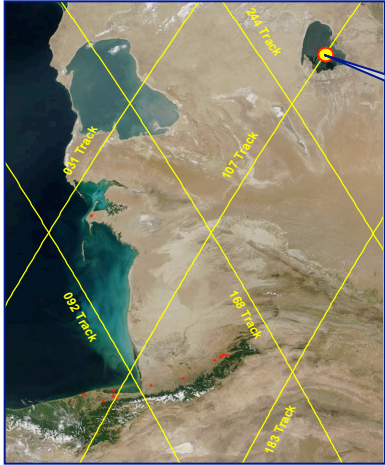
The Kara-Bogaz-Gol Bay Wave Height and Wind Speed Variation (1993-2011)



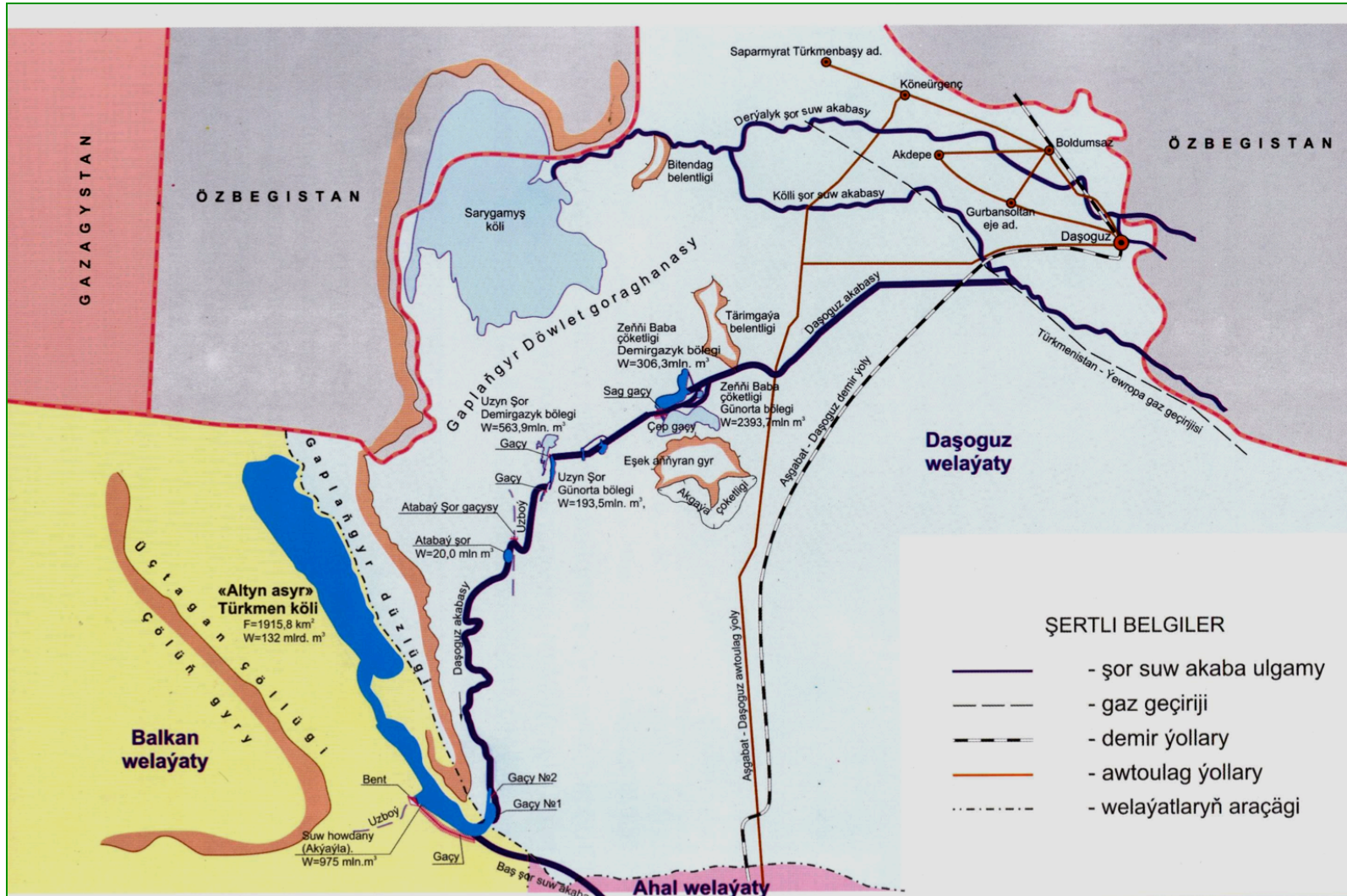
The Sarykamysh Lake



The Sarykamysh Lake Level Variation (1993-2011)



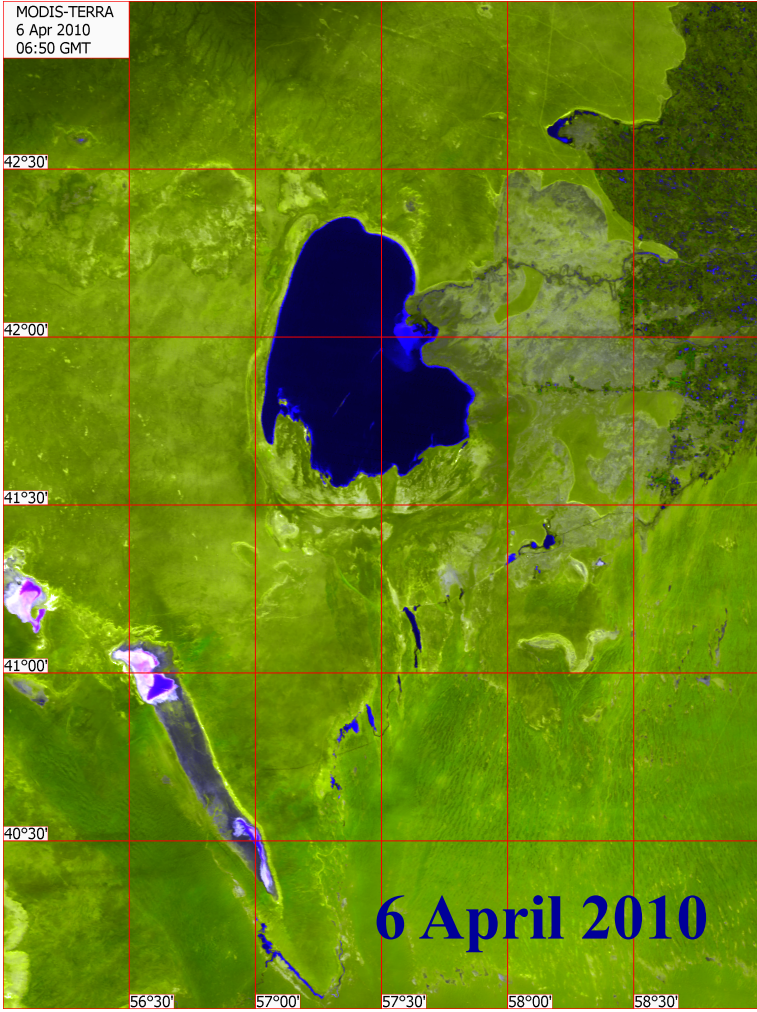
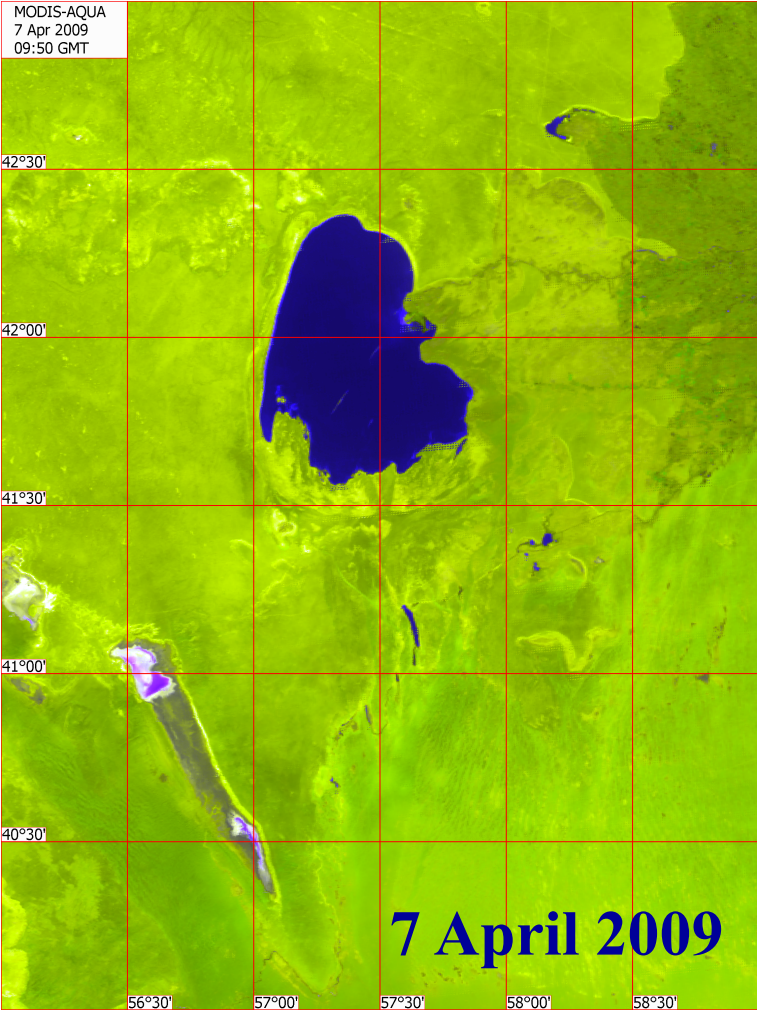
The Altyn Asyr Lake Project



The Altyn Asyr Lake Construction (since 2009)



The Sarykamysh and Altyn Asyr Lakes



Landsat-7 (ETM+)
30 Nov 2010

40°10'

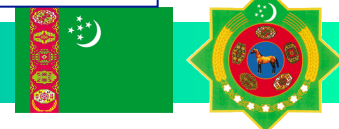
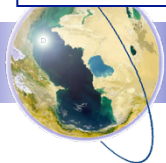
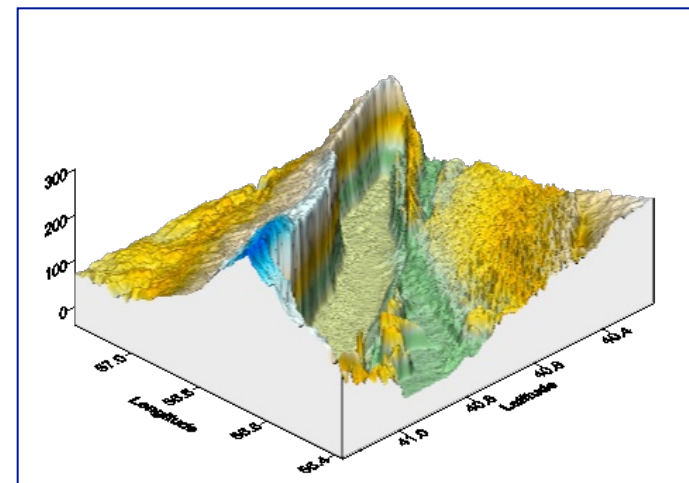
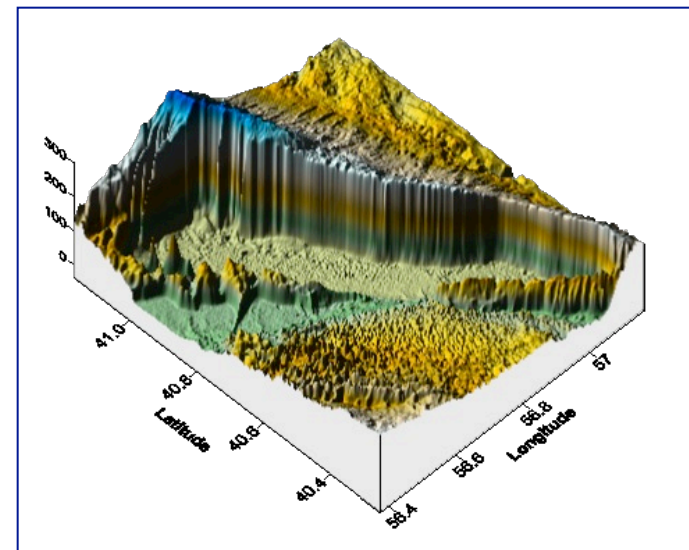
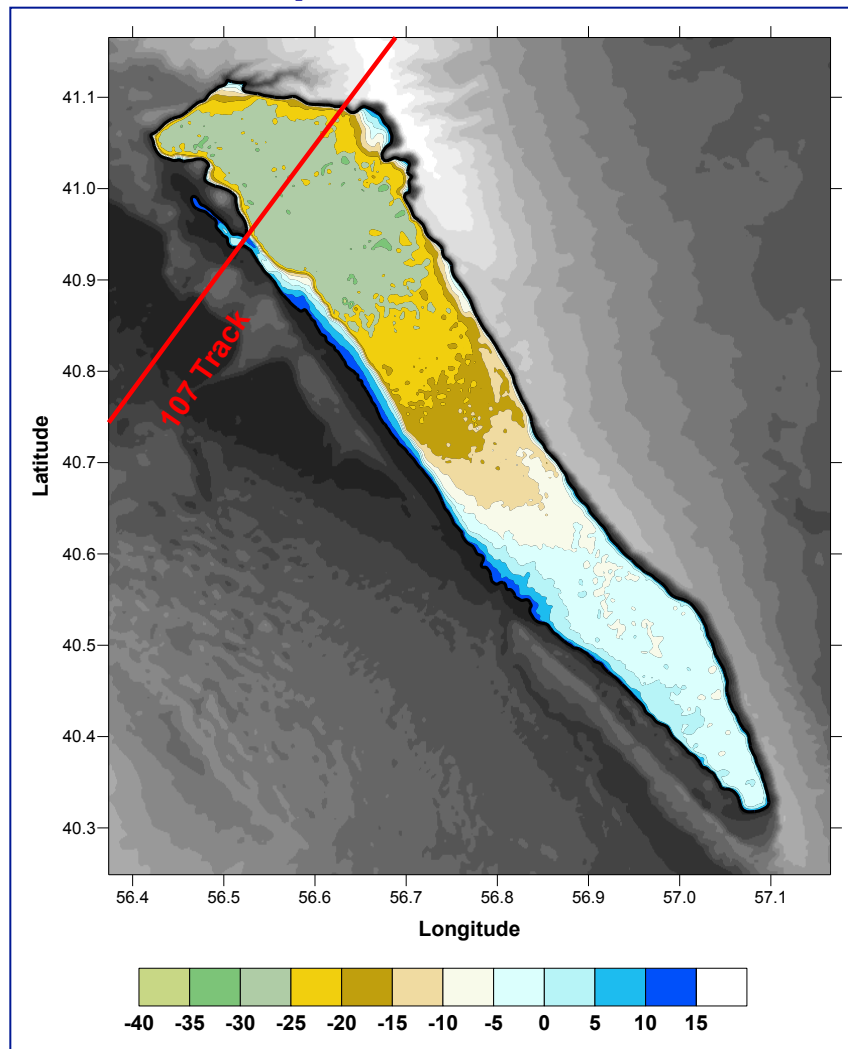
40°00'

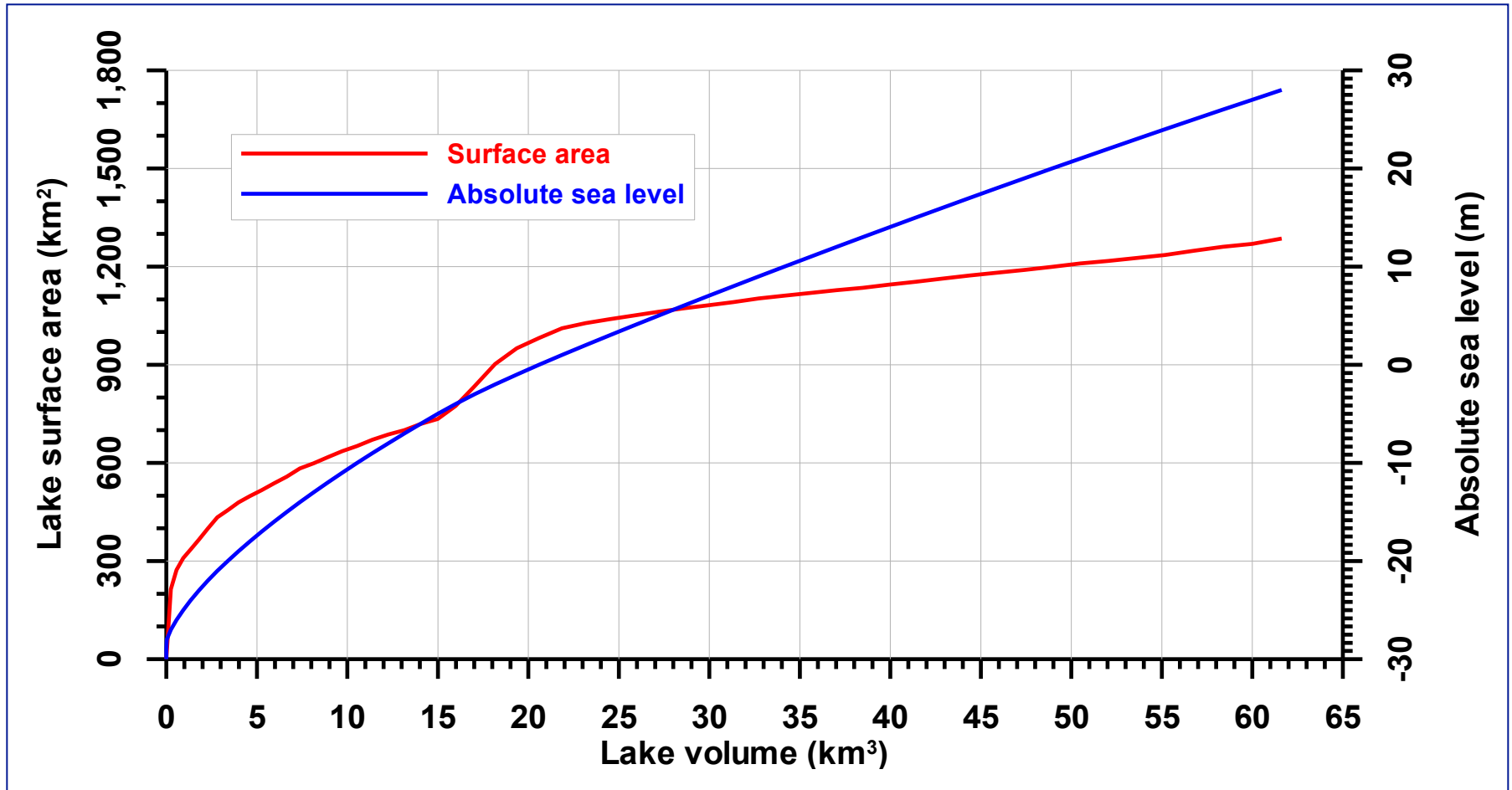
57°00'

57°10'



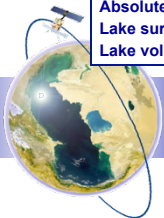
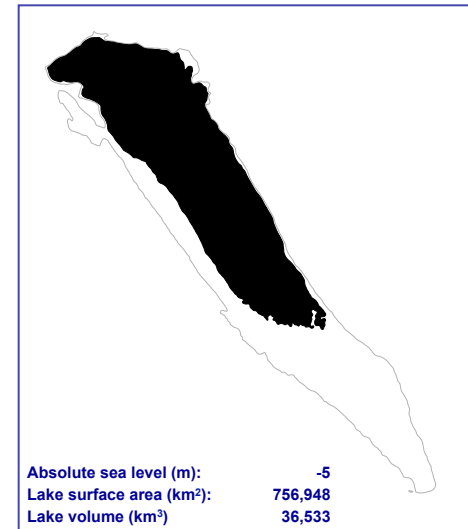
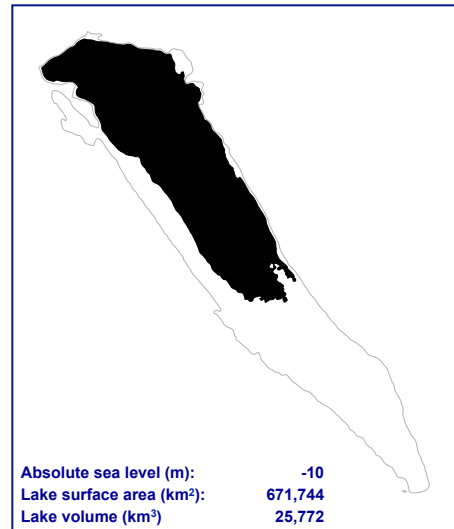
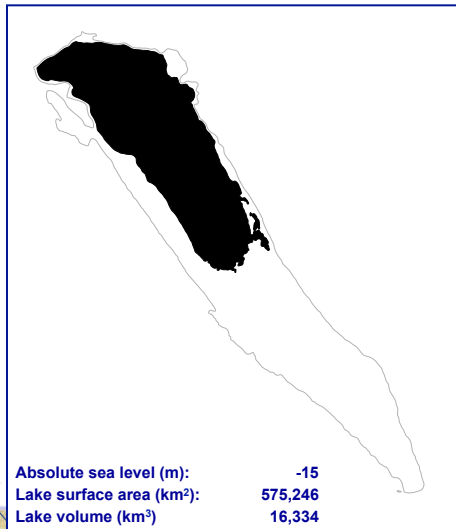
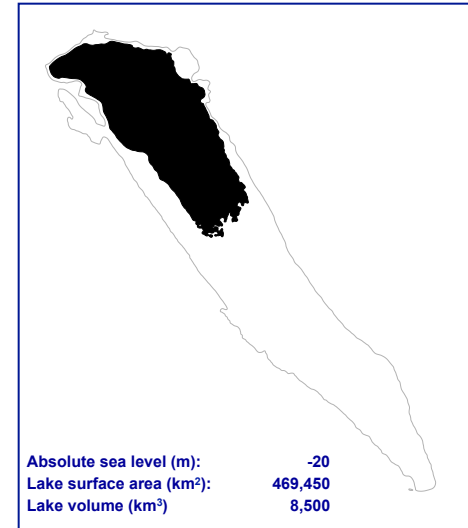
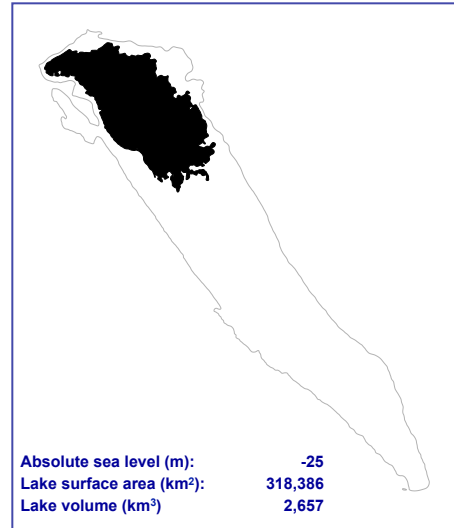
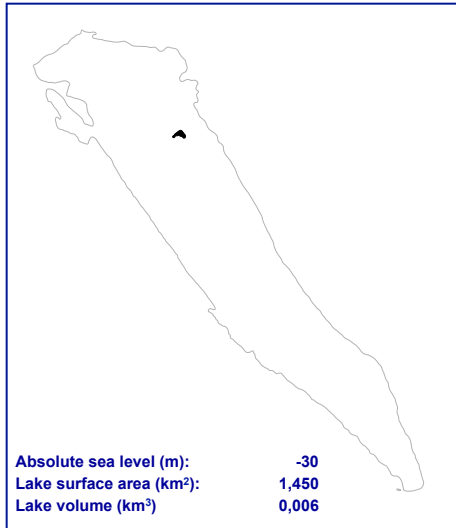
Digital elevation model of the Karashor Depression was prepared basing on the data base of NASA Shuttle Radar Topography Mission (SRTM version 4.1) with 90 m spatial resolution





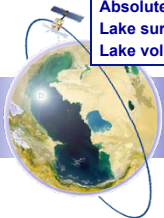
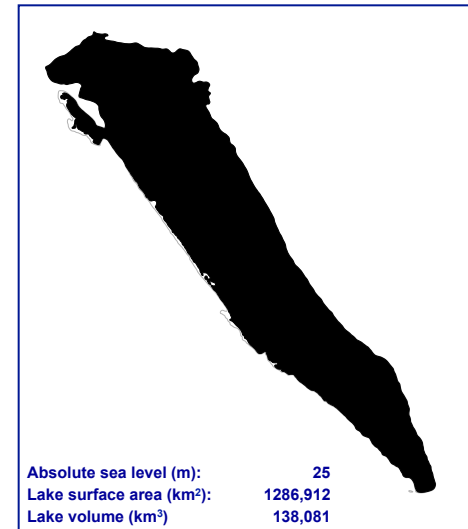
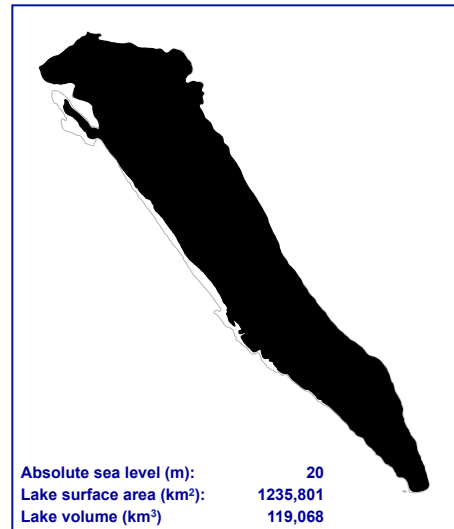
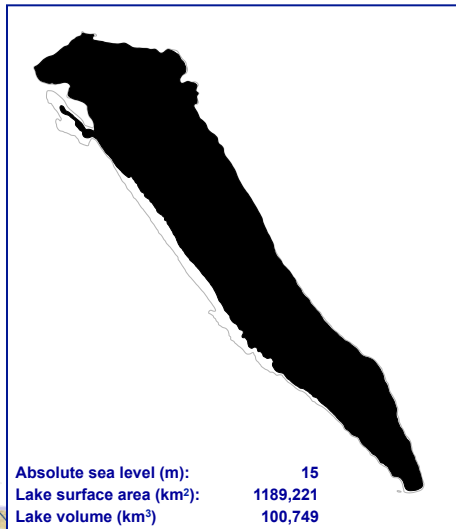
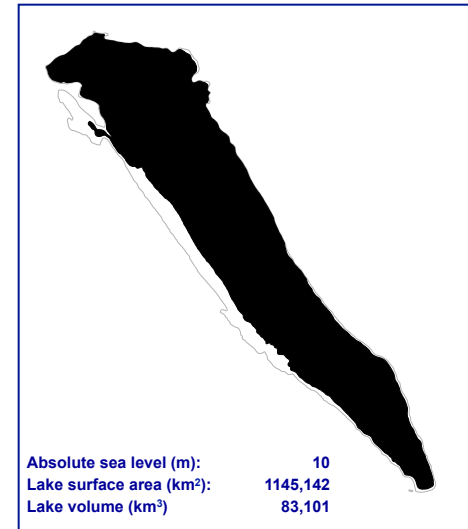
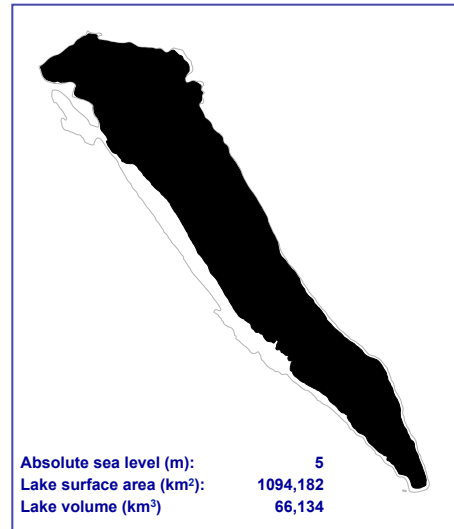
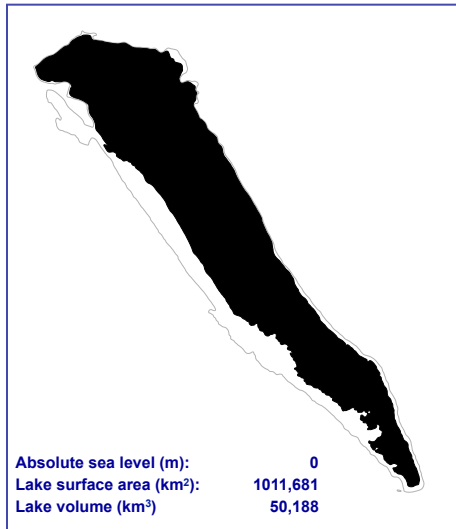
Karashor Depression filling by drainage water

Morphometric characteristics



Karashor Depression filling by drainage water

Morphometric characteristics



Thank you for your attention

