

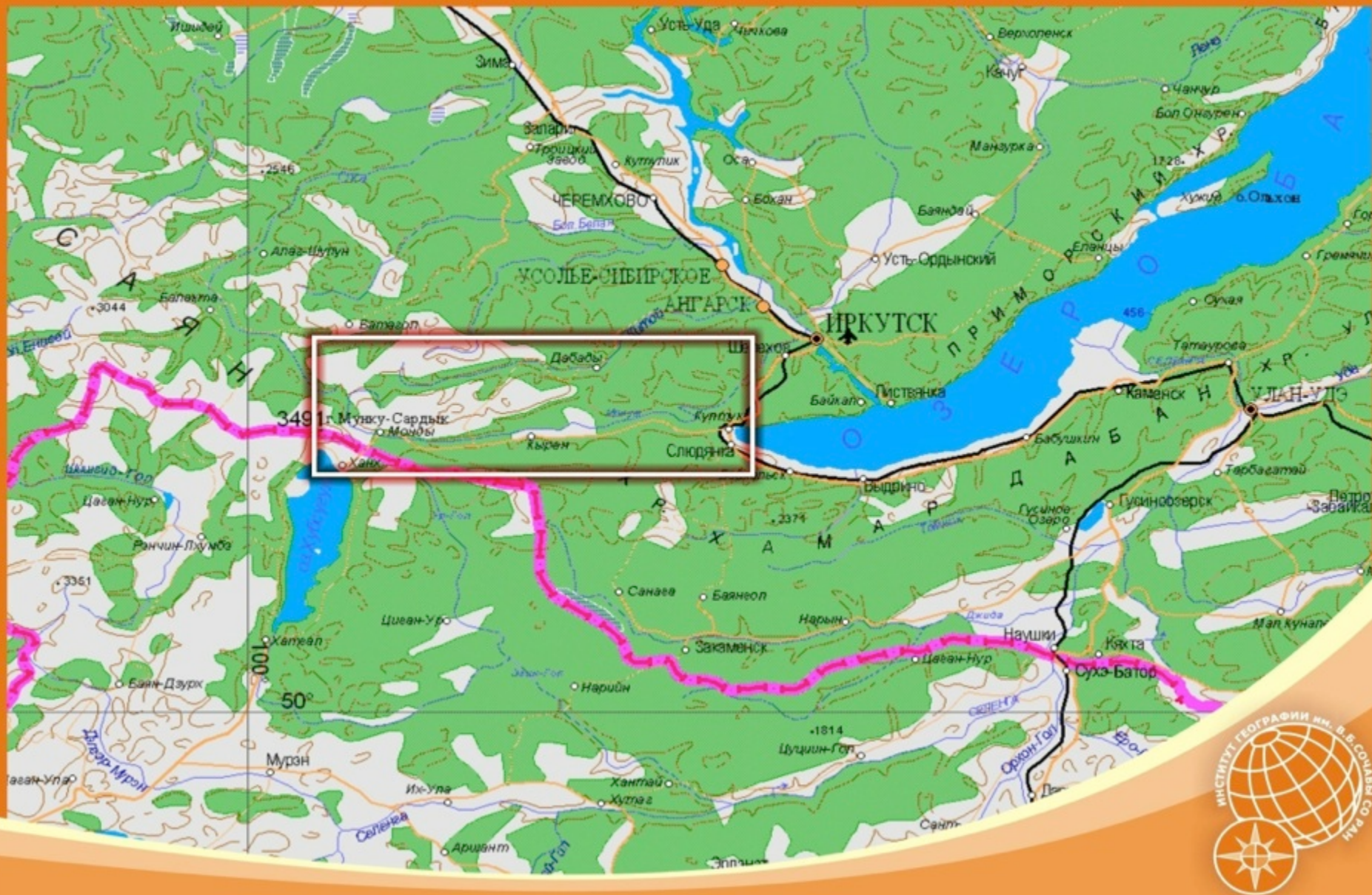
Regularity of the air temperature distribution in the ridge and hollow landscapes of the Tunkiskaya hollow

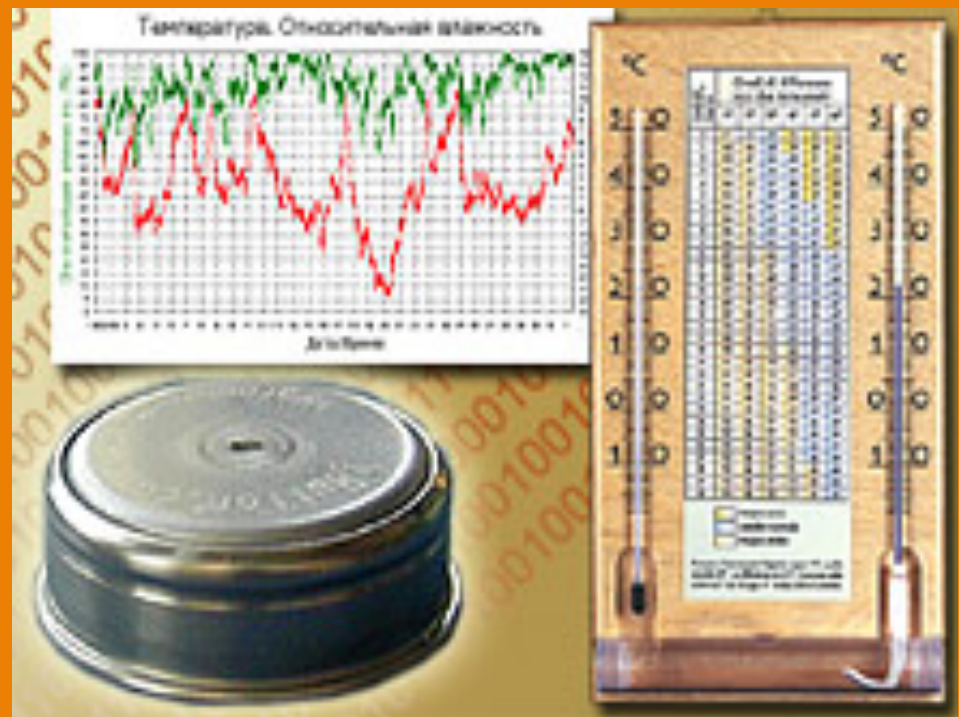
Vasilenko O.V. Voropay N.N.

V.B. Sochava Institute of Geography SB RAS

Enviromis 2012

Study area

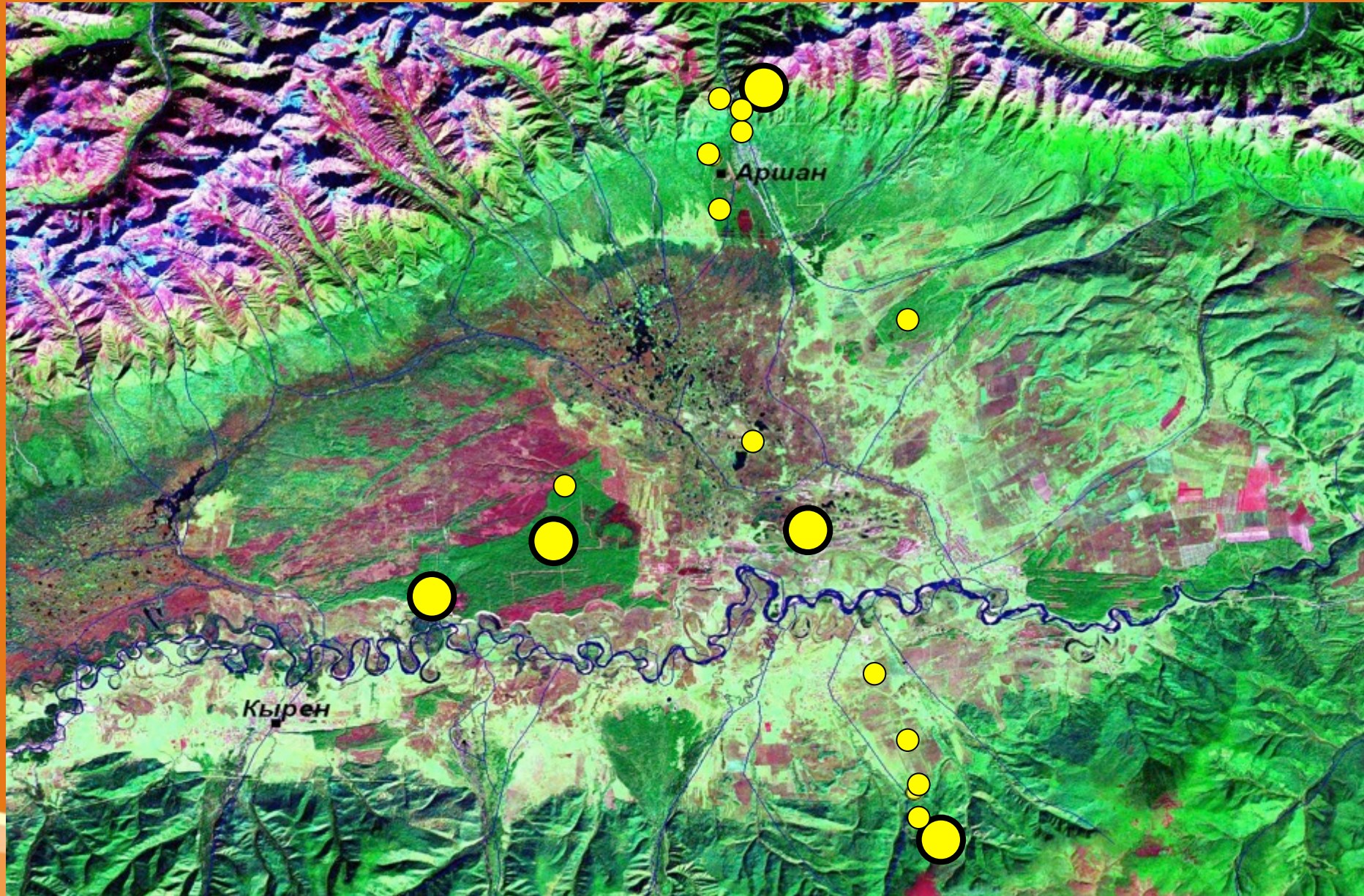




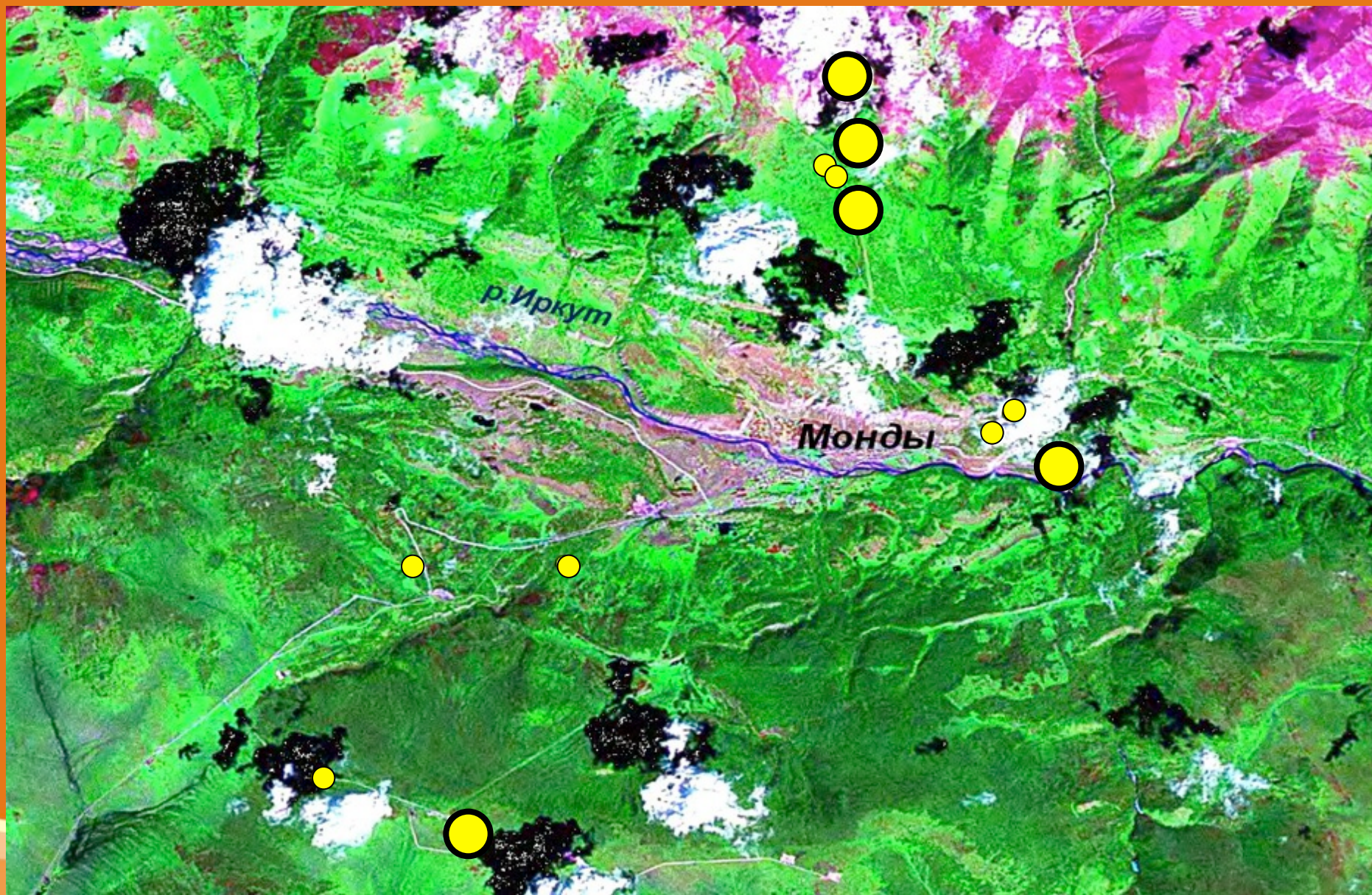
Air temperature data was obtained using electronic sensor thermochron which were set taking into account orography of area.

Profile of hollow is explored including northern and southern slopes, so its bottom. In total the 35 model areas has been distinguished: 23 of them are located in Tunkinskaya hollow on heights from 718 to 2119 meters, 12 in Mondinskaya hollow on heights from 1264 to 2325 meters.

Observation sites in the Tunkinskaya hollow

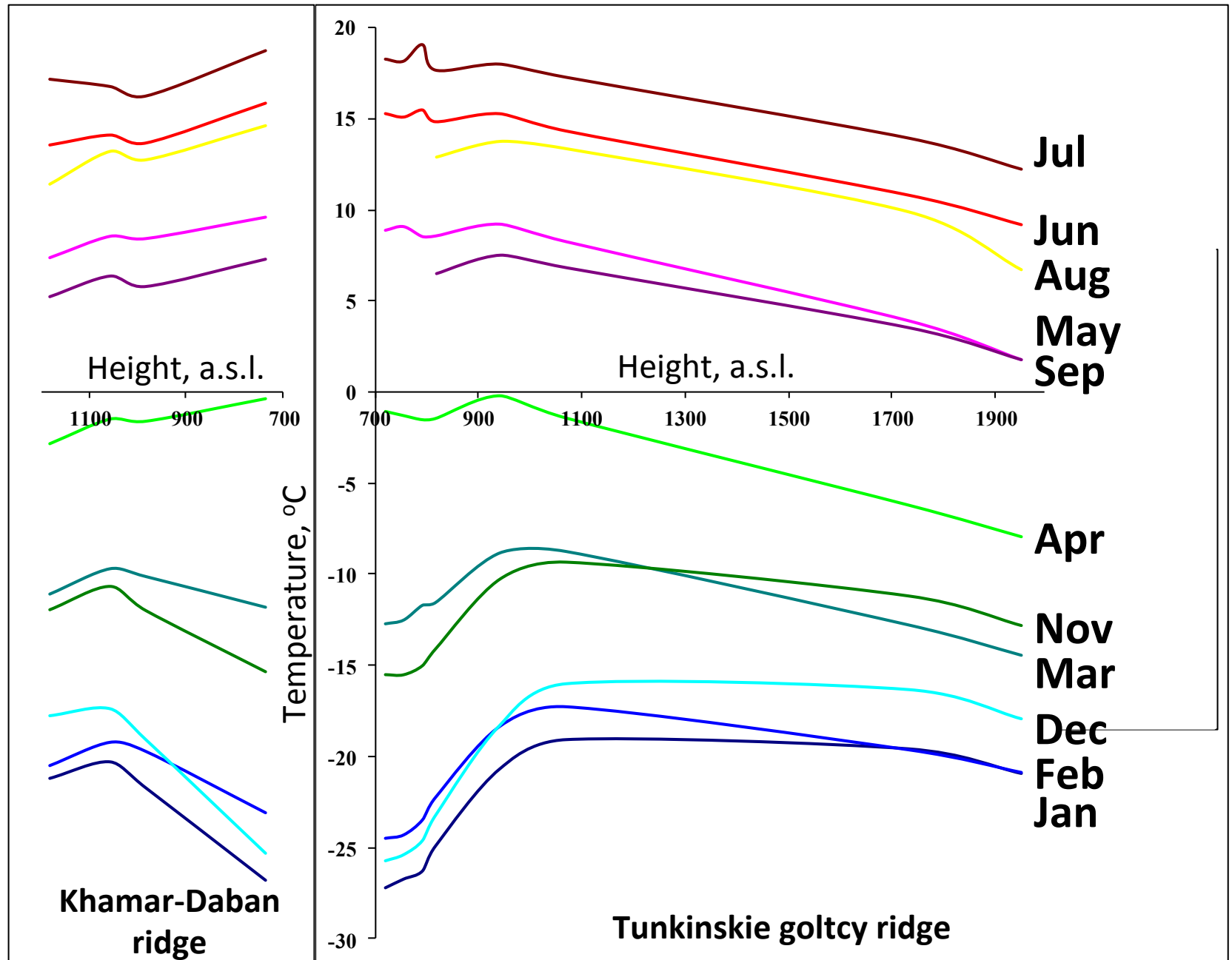


Observation sites in the Mondinskaya hollow



	Tunkinskaya hollow			Mondinskaya hollow		
Air temperature	Northern slope	Southern slope	Bottom	Northern slope	Southern slope	Bottom
Annual, °C	-1,6	-1,2	-2,6	-4,4	-3,9	-2,4
January, °C	-20,5	-18,7	-25,1	-22,7	-20,2	-21,8
July, °C	+16,6	+16,4	+19,4	+13	+12,4	+15,6
Abs Max, °C	+43	+36,5	+40,9	+33	+28	+34
Month	Jul	Aug	Aug	Jun	Jun	Jun
Height, m	1192	964	736	1867	1995	1264
Abs Min, °C	-33,5	-37	-41	-35	-35	-38,6
Month	Dec	Dec	Dec	Feb	Dec	Dec
Height, m	1192	1968	739	1867	2325	1264

Air temperature distribution with height



Thanks for attention !!!

