

Data on remote tracking of Steppe Eagle (*Aquila nipalensis*) breeding in Daurian steppe (Russia, China): migration, wintering

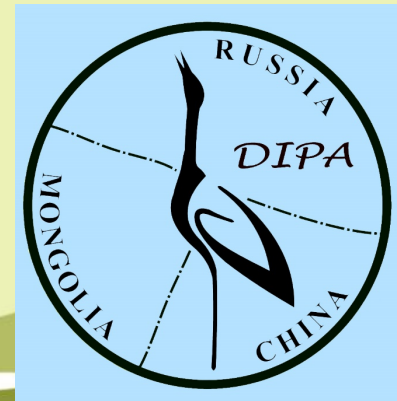


Photo: Gary Brown

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Project of International (Russia-China-Mongolia) Protected Area Dauria (DIPA)

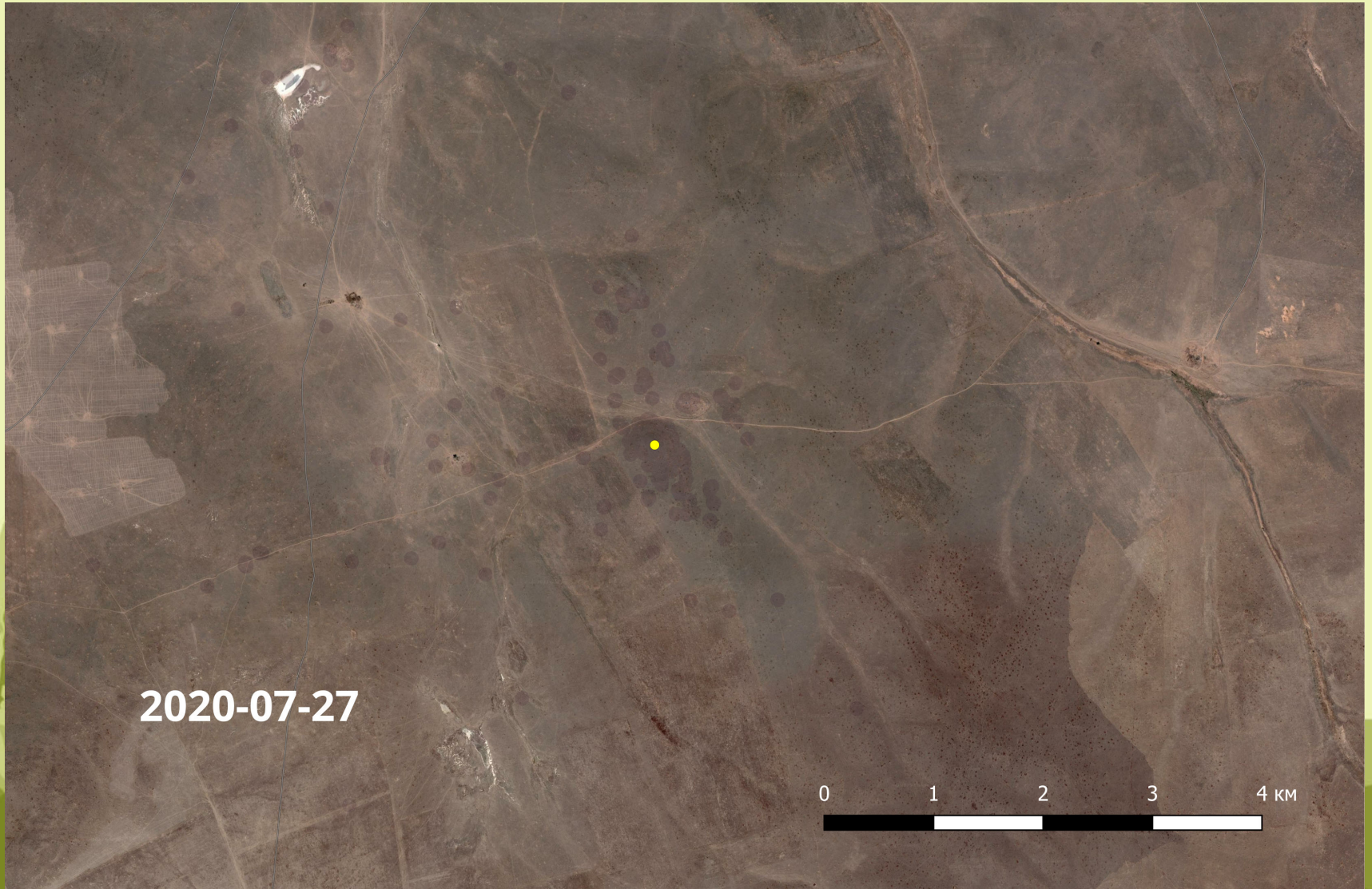


ДАУРСКИЙ

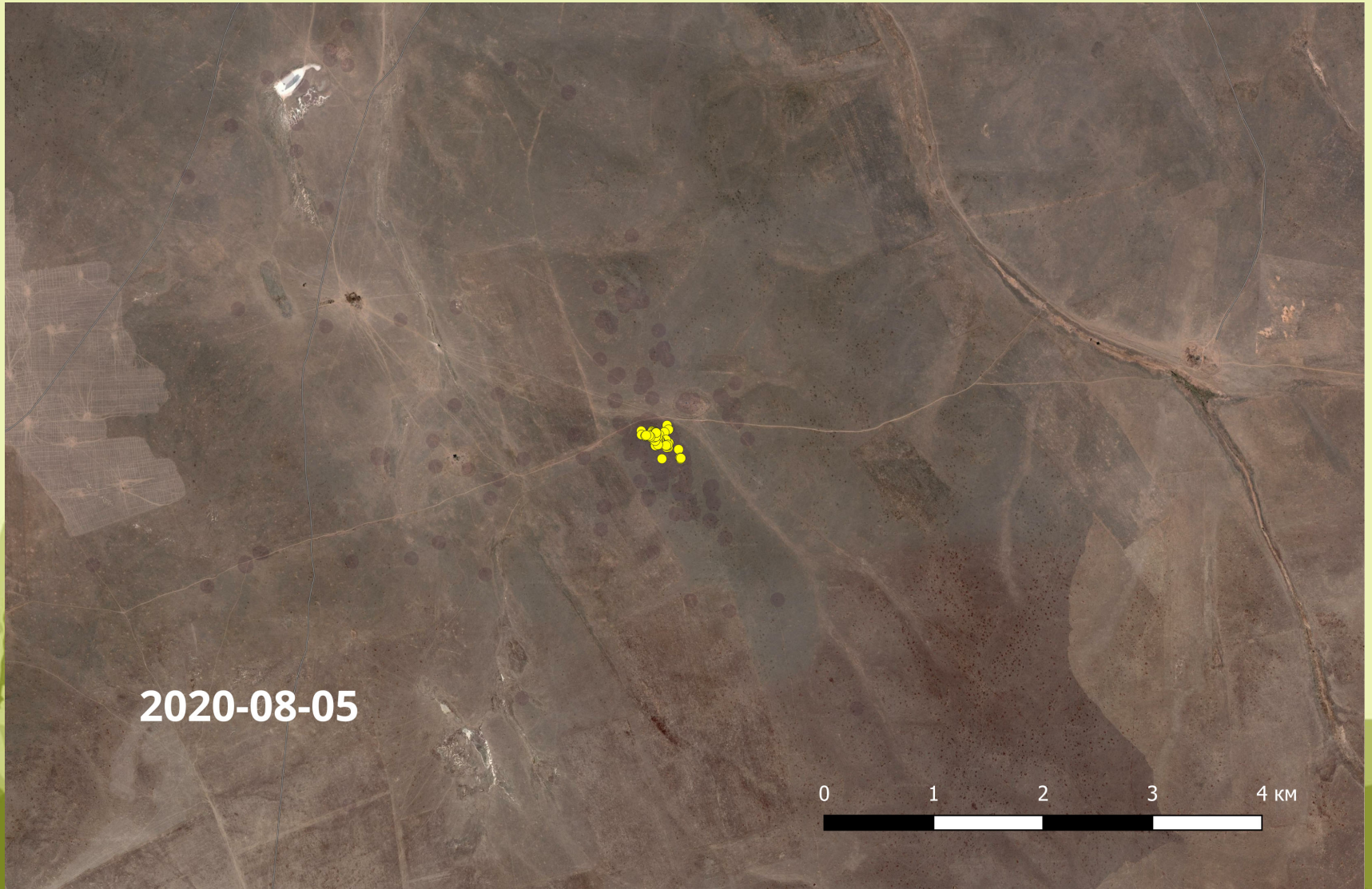
State Nature Biosphere Reserve "Daursky"

- In research we used backpack style GPS-trackers model HQBG2715S, HQBG5037S, HQBG5037L and HQBG3621S working on solar panels. Data registration period – once every 1-6 hours.
- In 2019 and 2020 10 juvenile steppe eagle were tagged on the nests in Russian part of the transboundary Daurian steppe. In 2022 additionally another local steppe eagle was tagged by Chinese colleagues in rehabilitation center (Khailar City, Inner Mongolia, China). Currently no trackers work.
- In total we acquired only a single full migration cycle track (HLL079), and 4 tracks of autumn migration. The rest transmitters stopped working at different stages of the fall migration.

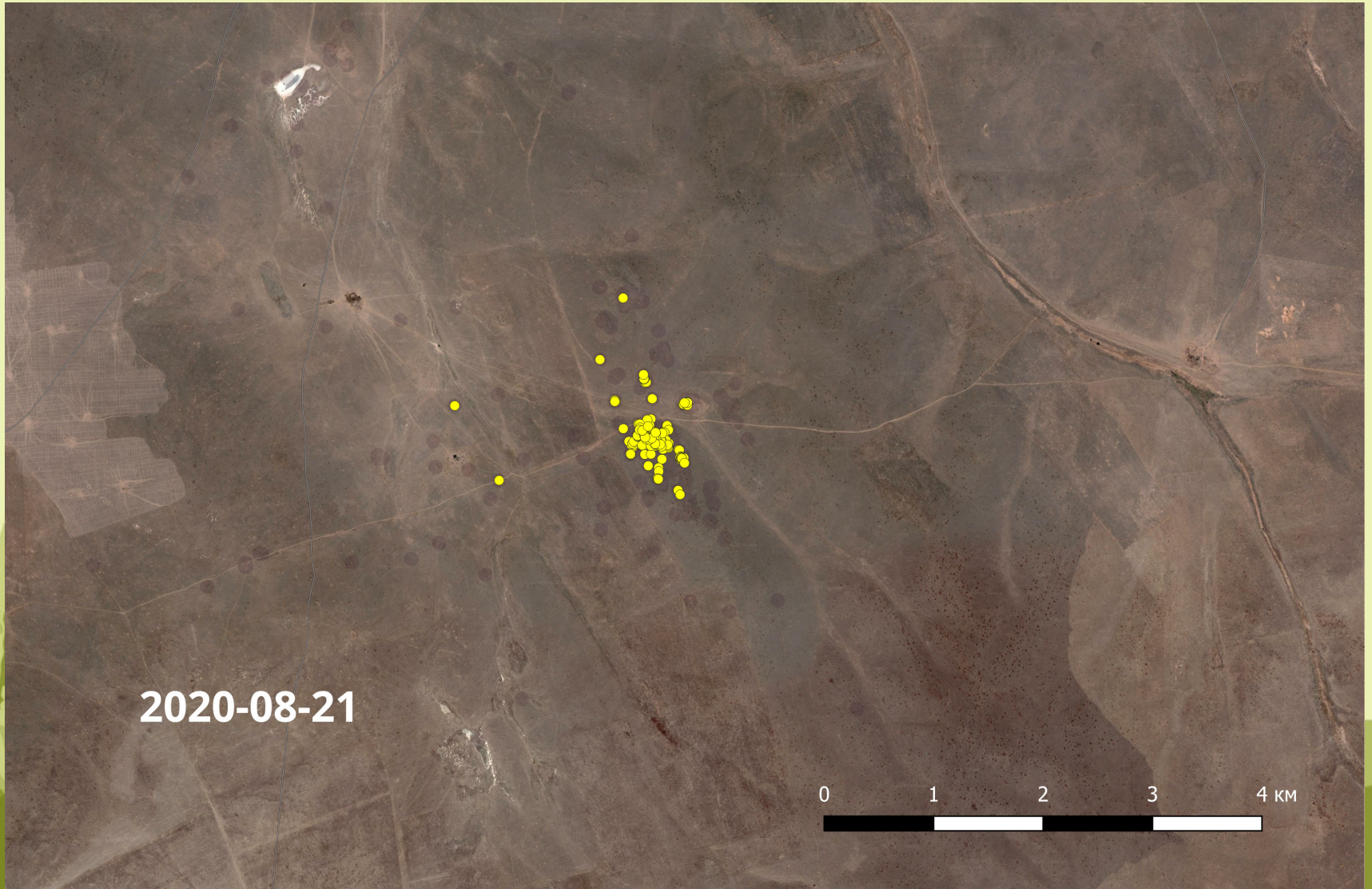
Post fledging behavior



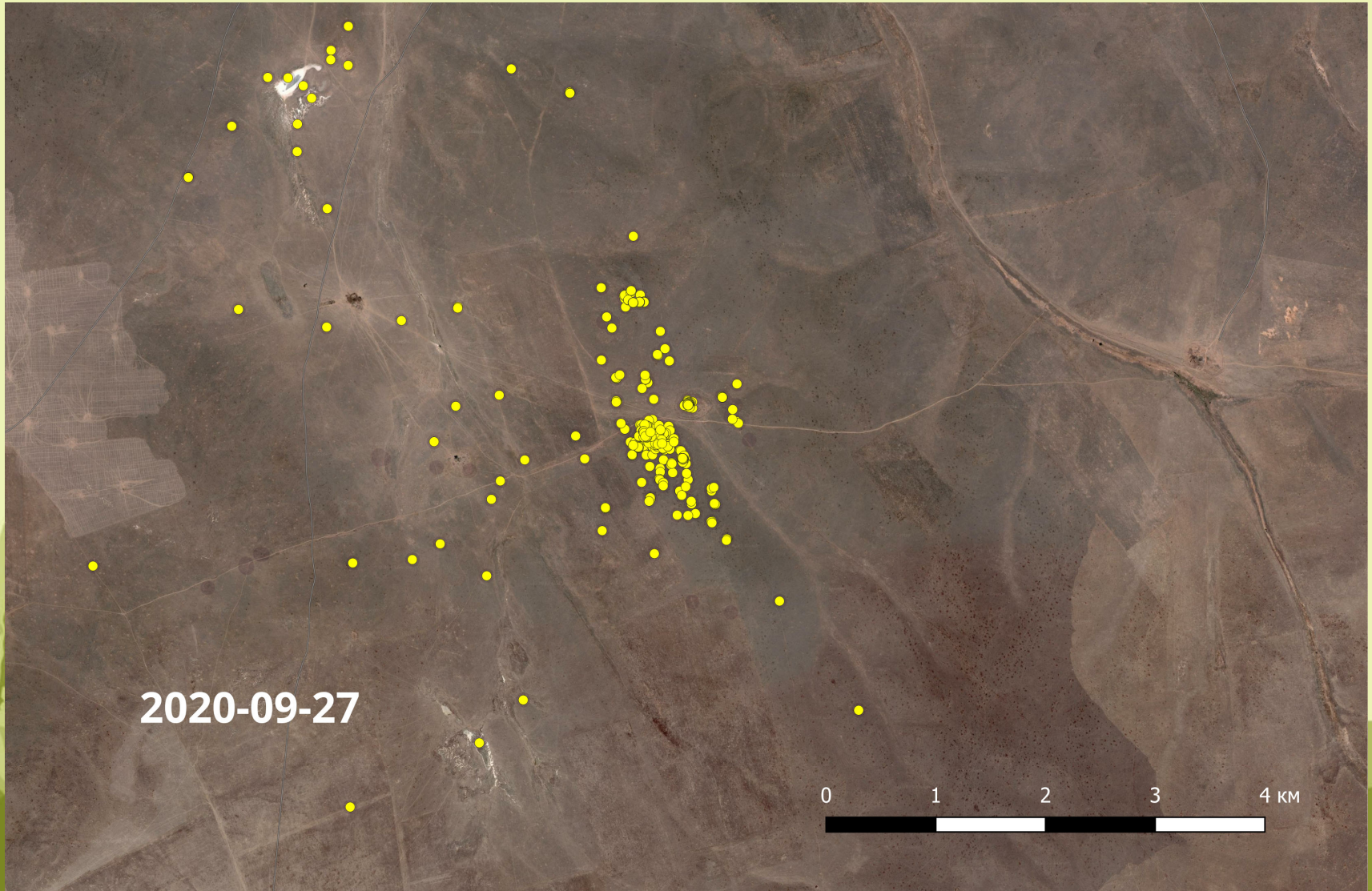
Post fledging behavior



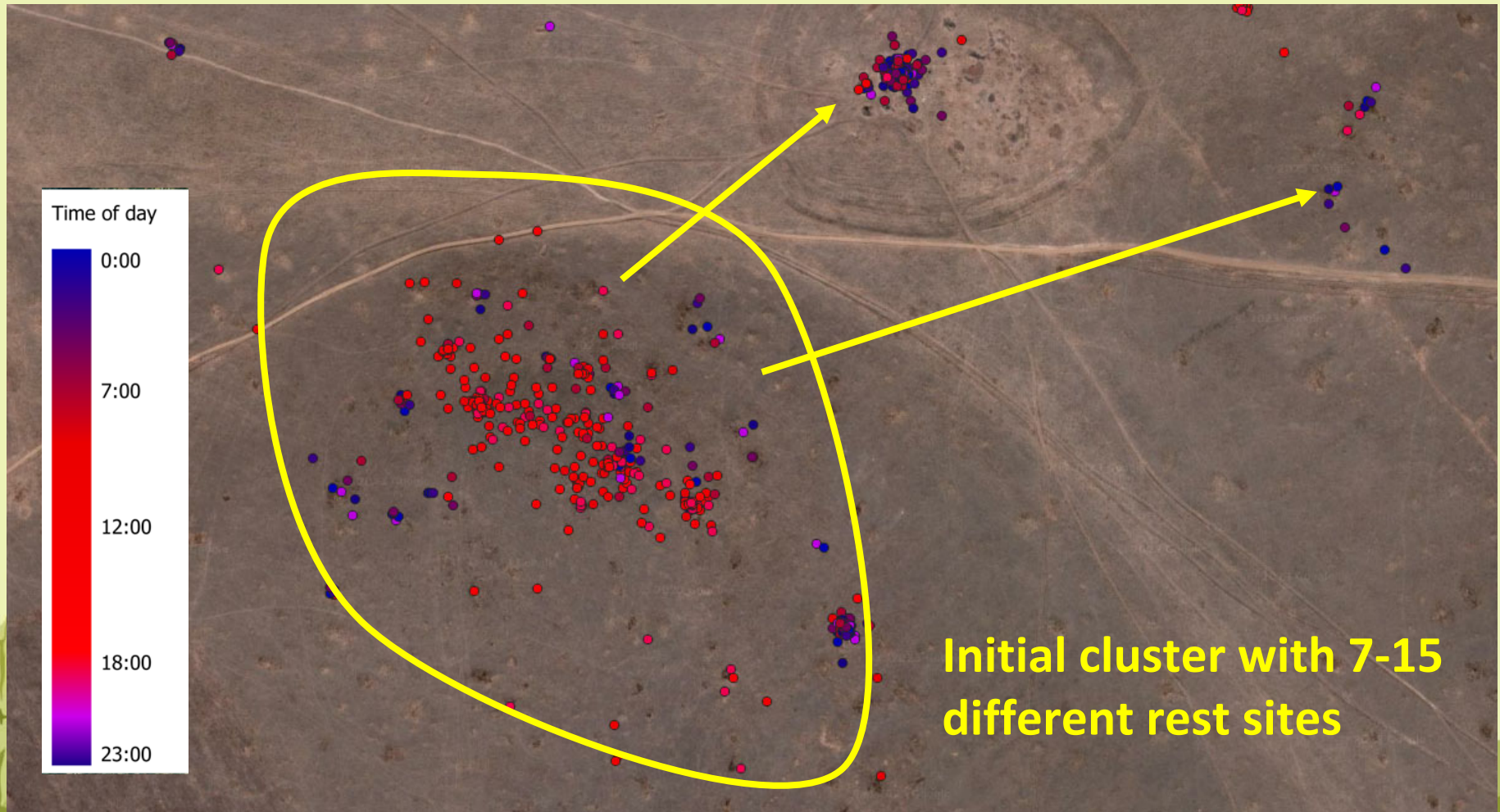
Post fledging behavior



Post fledging behavior

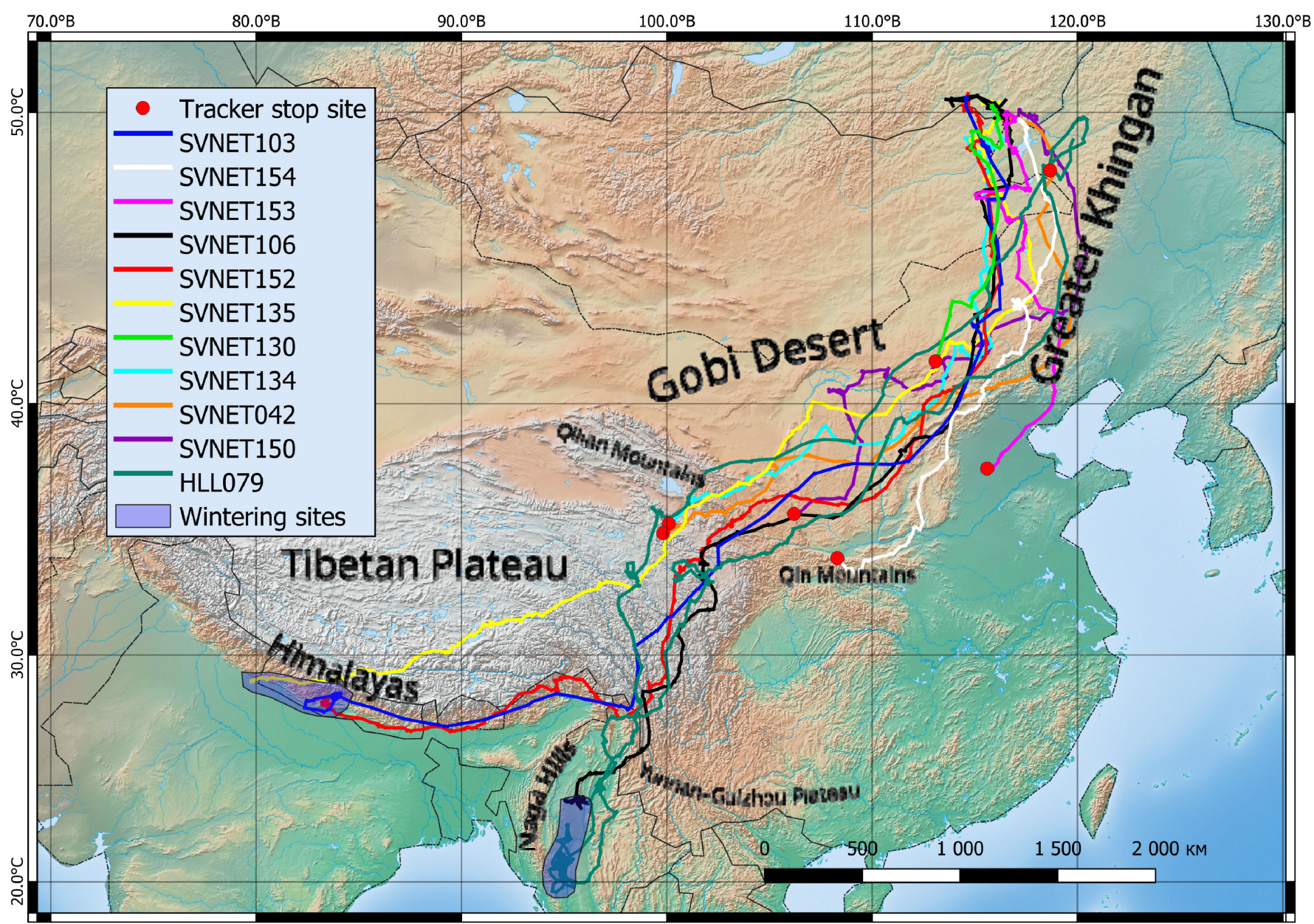


Initial post fledging territory usage



Fall migration start dates

Tracker Number	Migration start	Last response
SVNET150	15.09.2019	30.10.2019
SVNET042	11.10.2020	31.10.2020
SVNET130	23.09.2020	17.11.2020
SVNET134	05.10.2020	07.02.2021
SVNET135	06.10.2020	15.11.2020
SVNET152	04.10.2020	17.12.2020
SVNET103	15.10.2020	19.03.2021
SVNET153	06.10.2019	09.11.2019
SVNET154	06.10.2019	19.11.2019
SVNET106	06.10.2019	02.01.2021
HLL079	30.09.2022	06.05.2023
Average	03.10	



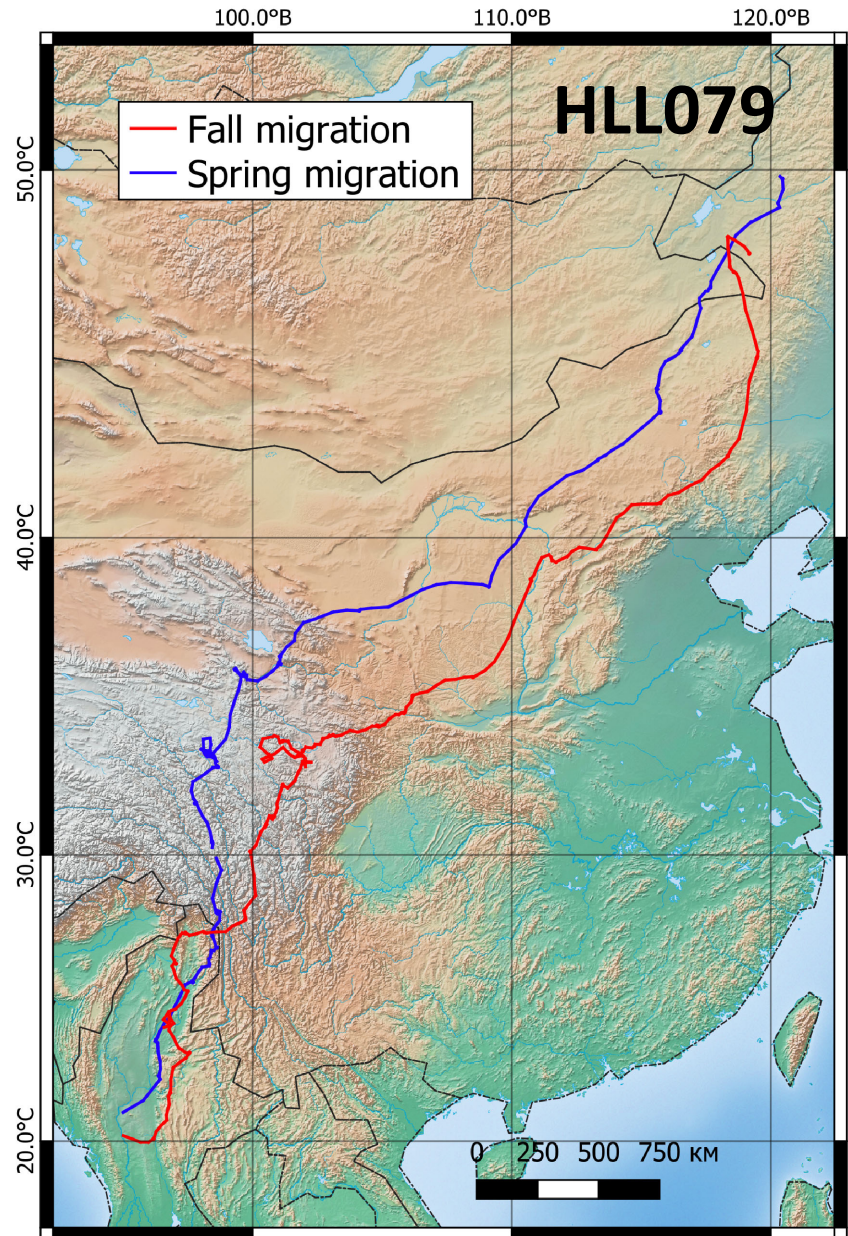
Fall migration

parameters

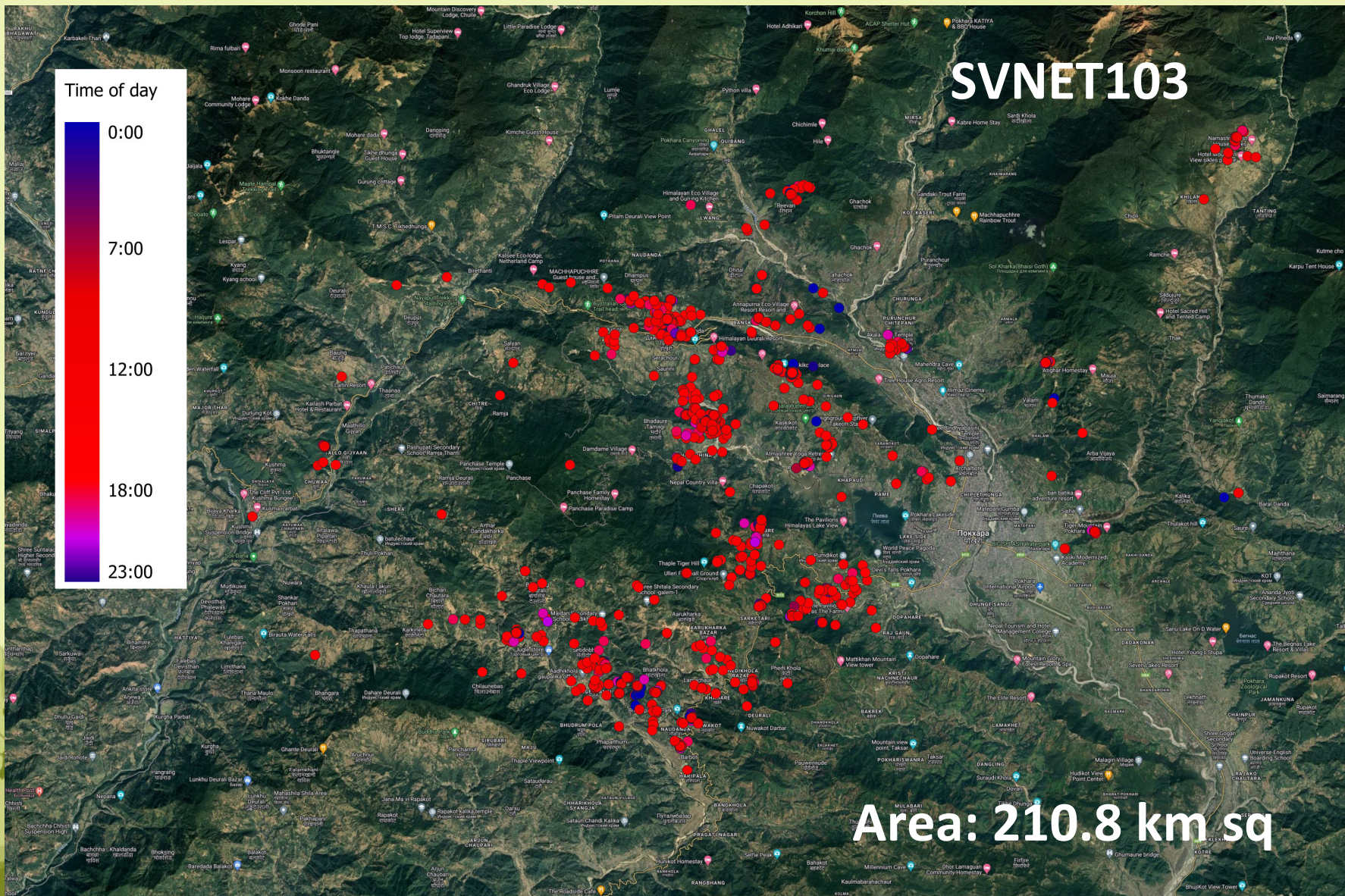
	India - Nepal			Myanmar		
Tracker	SVNET135	SVNET152	SVNET103	SVNET106	HLL079	Avg
Migration start	06.10.2020	04.10.2020	15.10.2020	06.10.2019	30.09.2022	06.10
Migration end	15.11.2020	17.12.2020	03.12.2020	27.11.2019	11.11.2022	26.11
Migration duration (days)	40	74	49	52	42	51,4
Track length (km)	5370,5	5618,0	4980,8	4300,4	5609,3	5175,8
Migration speed (km/day)	134,26	75,92	101,65	82,70	133,56	105,62
Stops, % of migration time	NA	84	NA	83	80	82,33
Number of stops	NA	56	NA	31	34	40,3

Spring migration parameters

Tracker	HLL079
Migration start	27.03.2023
Migration end	18.05.2023
Migration duration (days)	52
Track length (km)	4604
Migration speed (km/day)	88,54
Stops, % of migration time	88
Number of stops	21



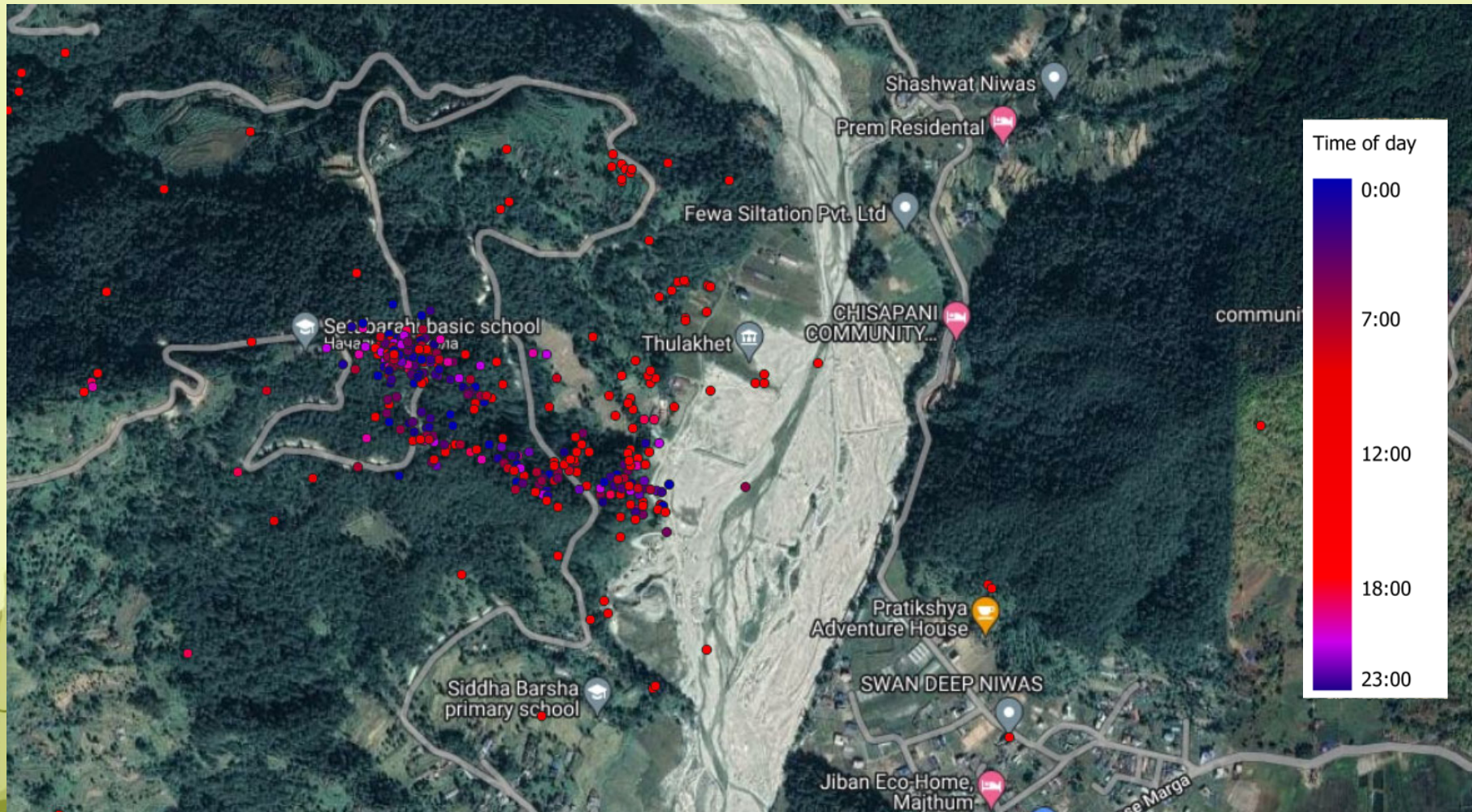
Wintering in central Nepal



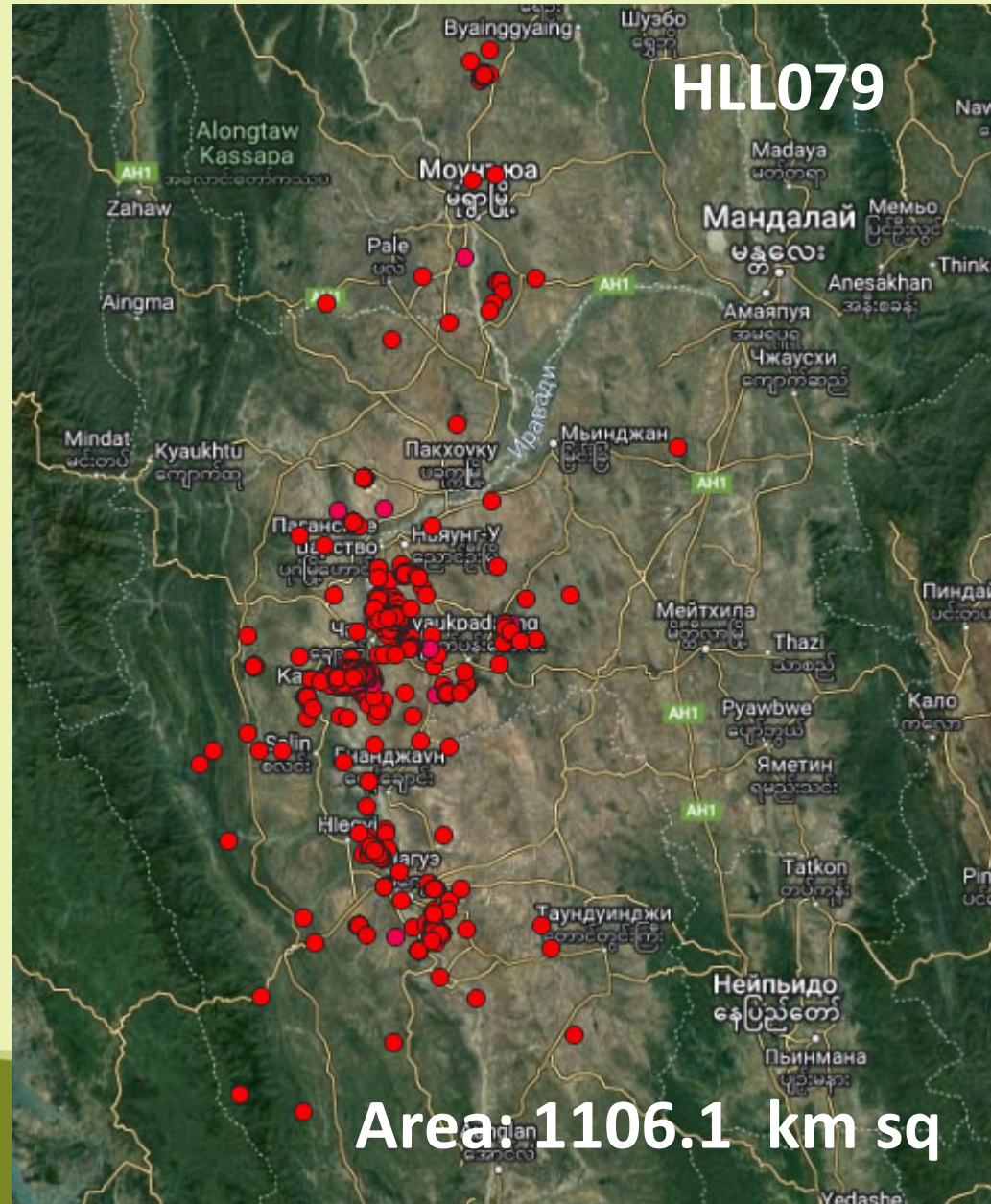
Potential feeding on terrace farms



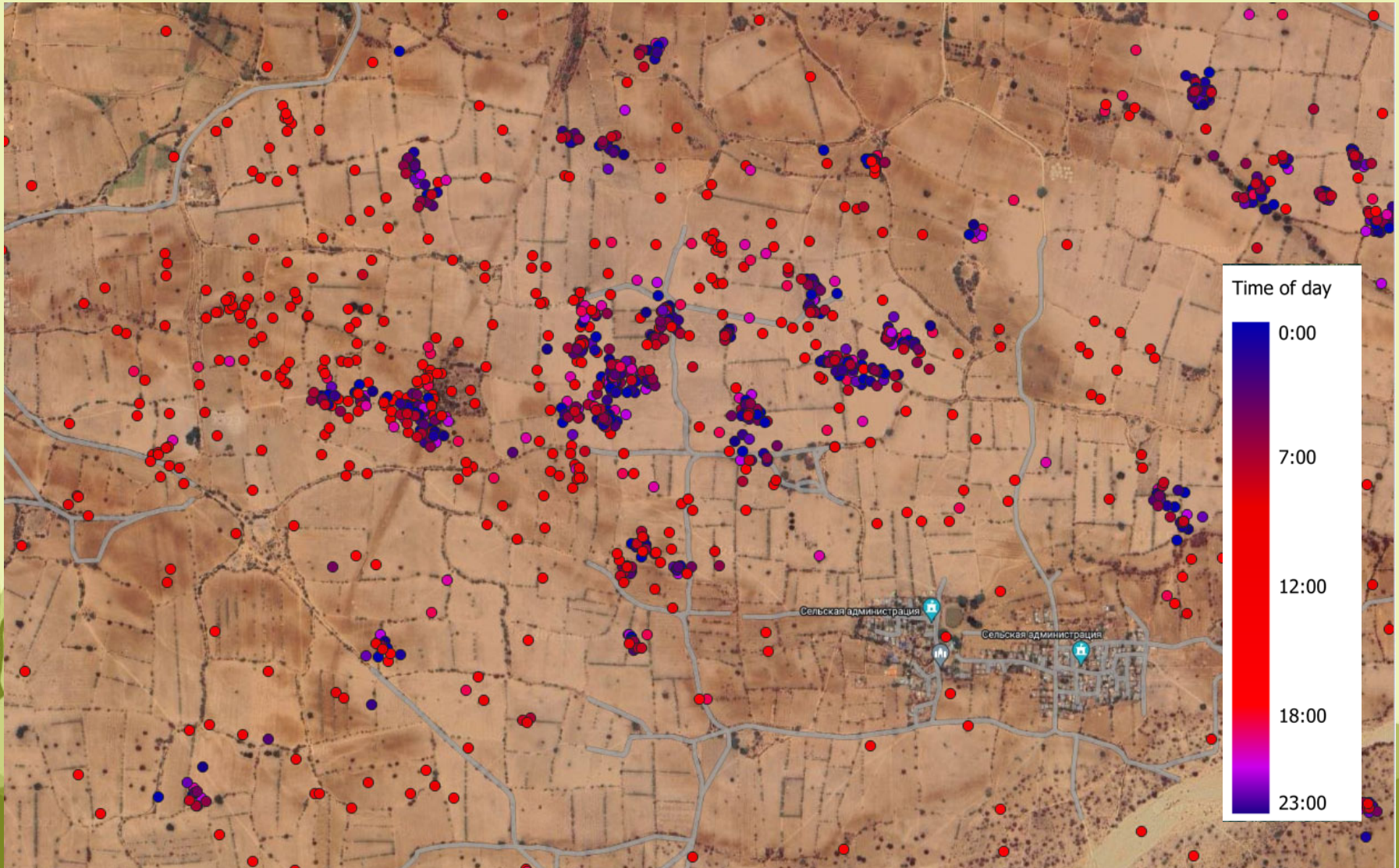
Site of sleep and daytime rest near river and settlements



Wintering in central Myanmar



Rest sites and feeding habits on agricultural fields in Myanmar



Thank you



Photo: Andrey Kovalenko