

Project Update: April 2016

Objective: preliminary experiment of free-ranging dogs, including population, home range, diet and semi-structure interview of local people

Place: Zadoi County, Yushu Prefecture, Qinghai Province, China

Time : 24, Apr – 12, May

Work output:

1. Put 6 GPSs on free-ranging dogs, start to investigate their activity patterns and home ranges.

Table 1. Information of the 6 dogs that were put on wearable GPS.

Place	VHF signal GPS number	Time to put on	Contact information	Photos
Zhaxilawu Temple 33.177250N 94.881520E	433.88 4700227062	8, May	15009766678	

Zhaxilawu Temple 33.17725N 94.88152E	433.88 4700226484	8, May	15009766678	
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Sangqingai Temple 33.10184N 95.17702E	433.88 4700243090	9, May	17797449966	
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Diqing Village 33.11654N 95.17702E	431.995 4700227065	7, May	15009766678	 A photograph showing a person from behind, wearing a blue puffer jacket and a cap, holding a camera to take a picture of a black dog standing in a dry, rocky field. In the background, there are large, rugged mountains with distinct reddish-brown and tan slopes under a cloudy sky. Two other black dogs are visible further back on the left.
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Duoma Temple 32.61823N 95.10968E	431.99 4700243070	9, May	18809766323 18297135599 13997361118 15609767588	
Bama Temple 32.54453N 95.21545E	433.915 4700226999	9, May	159097611110	Unavailable

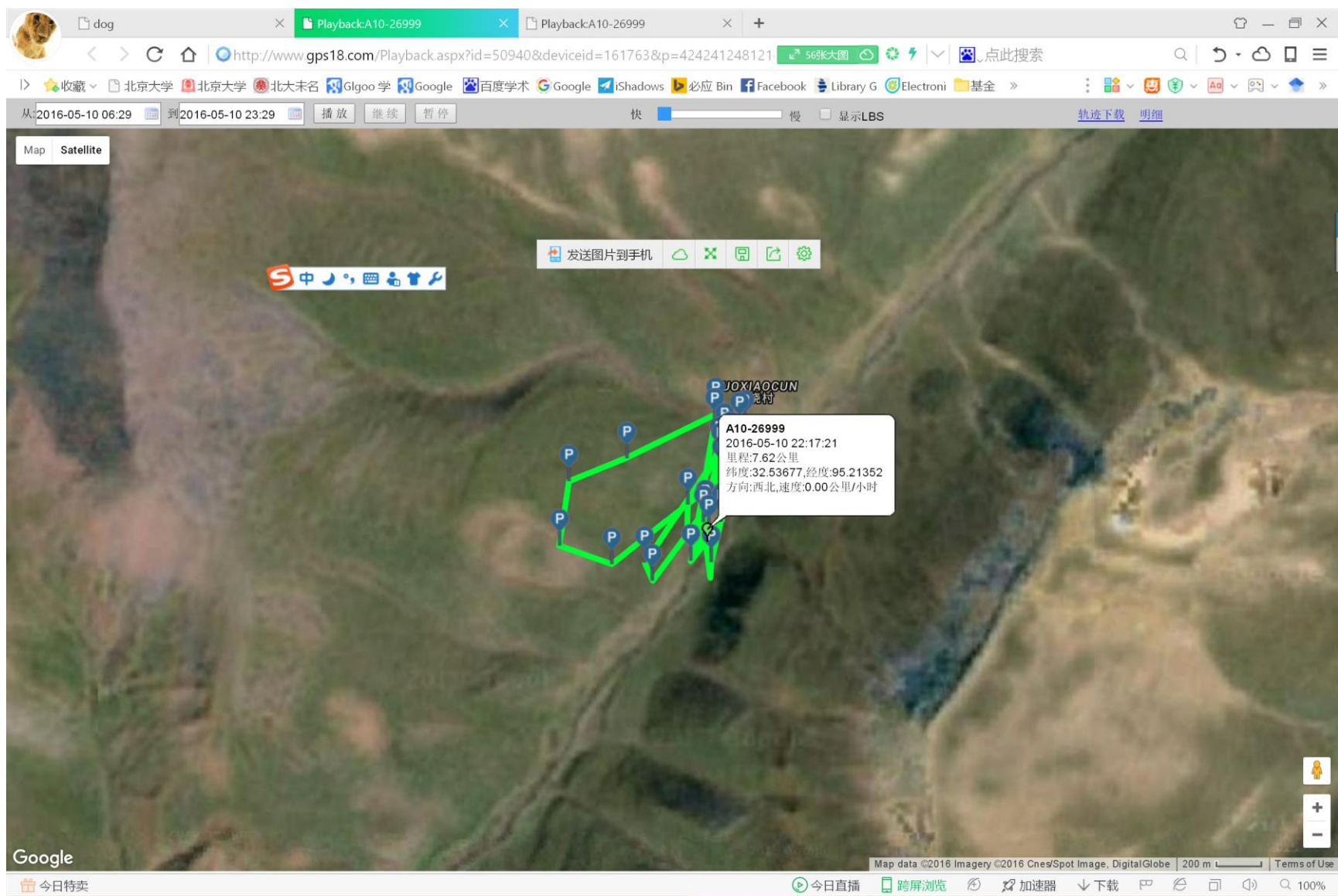


Figure 1 Activity path of the dog in Bama Temple in 10, May.

Table 2: GPS location of the dog in Bama Temple in 10, May.

A10-26999-轨迹明细						
Start time:2016-05-10 06:29 End time : 2016-05-10 23:29						
No.	Location time	Latitude	Longitude	Speed	Direction	Locate mode
1	5/10/2016 7:13	32.54095	95.21518	0.63	44	GPS
2	5/10/2016 7:26	32.54046	95.21427	0	58	GPS
3	5/10/2016 10:46	32.54069	95.21441	2.44	51	GPS
4	5/10/2016 10:51	32.5387	95.21314	21.37	221	GPS
5	5/10/2016 10:57	32.53536	95.21367	0	0	GPS
6	5/10/2016 11:01	32.53592	95.21371	5.29	293	GPS
7	5/10/2016 11:17	32.53743	95.21412	0	25	GPS
8	5/10/2016 11:39	32.53974	95.2141	3.74	34	GPS
9	5/10/2016 12:34	32.53921	95.21416	7.6	207	GPS
10	5/10/2016 12:49	32.5376	95.21345	5.75	75	GPS
11	5/10/2016 13:16	32.5376	95.21345	0	11	GPS
12	5/10/2016 13:50	32.53998	95.21467	1.89	94	GPS
13	5/10/2016 14:08	32.54143	95.2139	0	311	GPS
14	5/10/2016 14:25	32.53978	95.20998	5.75	255	GPS
15	5/10/2016 14:37	32.53893	95.20744	0	118	GPS
16	5/10/2016 14:51	32.53654	95.20702	5.98	83	GPS
17	5/10/2016 15:05	32.53586	95.20933	6.01	185	GPS
18	5/10/2016 16:27	32.53952	95.21481	2.74	48	GPS
19	5/10/2016 17:00	32.53972	95.21388	0	32	GPS
20	5/10/2016 17:08	32.53805	95.21267	0	113	GPS
21	5/10/2016 18:00	32.53681	95.21262	2.9	203	GPS
22	5/10/2016 18:07	32.53707	95.2136	4.07	81	GPS
23	5/10/2016 18:17	32.53749	95.21416	0	50	GPS
24	5/10/2016 18:30	32.53647	95.21303	3.42	235	GPS
25	5/10/2016 18:34	32.53741	95.21335	8.77	45	GPS
26	5/10/2016 19:05	32.53996	95.21404	5.31	230	GPS

27	5/10/2016 19:16	32.5359	95.21076	5	163	GPS
28	5/10/2016 19:34	32.53524	95.21111	3.31	339	GPS
29	5/10/2016 19:59	32.53851	95.21399	0	4	GPS
30	5/10/2016 20:03	32.53942	95.21387	0.56	314	GPS
31	5/10/2016 20:05	32.54015	95.21454	5.72	60	GPS
32	5/10/2016 20:17	32.54088	95.21495	0	176	GPS
33	5/10/2016 21:05	32.53914	95.21485	0	60	GPS
34	5/10/2016 21:14	32.54112	95.21516	0	244	GPS
35	5/10/2016 21:17	32.54081	95.21505	3.2	195	GPS
36	5/10/2016 21:20	32.5405	95.21439	0	240	GPS
37	5/10/2016 21:25	32.54103	95.21384	0	190	GPS
38	5/10/2016 21:50	32.53597	95.2128	0	329	GPS
39	5/10/2016 22:05	32.53597	95.2128	0	71	GPS
40	5/10/2016 22:11	32.53677	95.21352	0	155	GPS
41	5/10/2016 22:17	32.53677	95.21352	0	316	GPS

2. Collect pieces of feces, will analyze by morphological method in recent days and by molecular method in few month.

Table 3: Information of feces

Date	Location No.	Sample No.	Species	Quantity	Old/new	Notes
20160502	Bama temple1	160502 LMY001-1	fox	1	old	
20160502	Bama temple1	160502 LMY001-2	fox	1	old	
20160502	Bama temple1	160502 LMY001-3	fox	1	old	
20160502	Bama temple2	160502 LMY002-1	fox	1	old	
20160502	Bama temple2	160502 LMY002-2	?	1	old	
20160502	Bama temple2	160502 LMY002-3	dog	1	old	
20160502	Bama temple2	160502 LMY002-4	Snow leopard	1	old	
20160503	Nari temple12	160503 LMY003-1	White-lipped Deer	1	old	
20160503	Nari temple12	160503 LMY003-2	fox	1	old	
20160503	Nari temple12	160503 LMY003-3	fox	1	old	

20160503	Nari temple12	160503 LMY003-4	dog	1	old	
20160503	Nari temple12	160503 LMY003-5	?	1	old	
20160503	Nari temple12	160503 LMY003-6	?	1	old	
20160504	Sangqingai Temple	160504 LMY004-1	Snow Leopard ?	1	old	



Photos of feces.

1. Collect photos taken by infrared camera.



Picture 4-7 Blue sheep, snow leopard, red fox and dog captured by the same infrared camera

3. Working



