

**Table S1.** Location of the eastern sarus crane in the Ayeyarwady Delta, the Union of Myanmar, in the summer season, the rainy season, and the winter season.

Species	x	y	Latitude	longitude	Season
<i>Antigone. a. sharpii</i>	726,204.5	1,862,596.9	16.8	95.1	winter
<i>Antigone. a. sharpii</i>	729,994.8	1,894,288.2	17.1	95.2	winter
<i>Antigone. a. sharpii</i>	736,966.5	1,857,991.3	16.8	95.2	winter
<i>Antigone. a. sharpii</i>	738,856.3	1,874,218.2	16.9	95.2	winter
<i>Antigone. a. sharpii</i>	744,155.9	1,854,152.9	16.8	95.3	winter
<i>Antigone. a. sharpii</i>	744,538.4	1,853,821.9	16.8	95.3	winter
<i>Antigone. a. sharpii</i>	745,694.1	1,875,785.3	17	95.3	winter
<i>Antigone. a. sharpii</i>	745,704.9	1,875,774.4	17	95.3	winter
<i>Antigone. a. sharpii</i>	746,319.6	1,868,799.9	16.9	95.3	winter
<i>Antigone. a. sharpii</i>	746,343.1	1,868,796.9	16.9	95.3	winter
<i>Antigone. a. sharpii</i>	751,477.4	1,863,479.1	16.8	95.4	winter
<i>Antigone. a. sharpii</i>	751,933.4	1,862,439.3	16.8	95.4	winter
<i>Antigone. a. sharpii</i>	753,934.2	1,869,289.2	16.9	95.4	winter
<i>Antigone. a. sharpii</i>	761,526	1,878,778.7	17	95.5	winter
<i>Antigone. a. sharpii</i>	763,104.2	1,864,581.1	16.8	95.5	winter
<i>Antigone. a. sharpii</i>	770,884.2	1,845,894.1	16.7	95.5	winter
<i>Antigone. a. sharpii</i>	773,979.9	1,838,875.6	16.6	95.6	winter
<i>Antigone. a. sharpii</i>	778,222.8	1,841,985.7	16.6	95.6	winter
<i>Antigone. a. sharpii</i>	778,713.1	1,848,811.3	16.7	95.6	winter
<i>Antigone. a. sharpii</i>	784,185.3	1,856,327.9	16.8	95.7	winter
<i>Antigone. a. sharpii</i>	784,592.9	1,845,270.2	16.7	95.7	winter
<i>Antigone. a. sharpii</i>	785,701.8	1,849,568.6	16.7	95.7	winter
<i>Antigone. a. sharpii</i>	790,256.8	1,867,423.2	16.9	95.7	winter
<i>Antigone. a. sharpii</i>	796,235.3	1,876,152.2	17	95.8	winter
<i>Antigone. a. sharpii</i>	804,913.7	1,869,416.3	16.9	95.9	winter
<i>Antigone. a. sharpii</i>	804,916.9	18,694,123	16.9	95.9	winter
<i>Antigone. a. sharpii</i>	807,439.8	1,854,797.9	16.8	95.9	winter
<i>Antigone. a. sharpii</i>	807,457.6	185,834.7	16.8	95.9	winter
<i>Antigone. a. sharpii</i>	807,546.5	1,854,798.3	16.8	95.9	winter
<i>Antigone. a. sharpii</i>	808,146.4	1,854,570	16.8	95.9	winter
<i>Antigone. a. sharpii</i>	725,860.6	1,860,263	16.8	95.1	summer
<i>Antigone. a. sharpii</i>	725,899.6	1,860,398.5	16.8	95.1	summer
<i>Antigone. a. sharpii</i>	725,902.9	1,860,288.9	16.8	95.1	summer
<i>Antigone. a. sharpii</i>	726,252.1	1,860,142.1	16.8	95.1	summer
<i>Antigone. a. sharpii</i>	738,856.3	1,874,218.2	16.9	95.2	summer
<i>Antigone. a. sharpii</i>	744,538.4	1,853,821.9	16.8	95.3	summer
<i>Antigone. a. sharpii</i>	745,694.1	1,875,785.3	17	95.3	summer
<i>Antigone. a. sharpii</i>	745,704.9	1,875,774.4	17	95.3	summer
<i>Antigone. a. sharpii</i>	746,319.6	1,868,799.9	16.9	95.3	summer
<i>Antigone. a. sharpii</i>	746,343.1	1,868,796.9	16.9	95.3	summer
<i>Antigone. a. sharpii</i>	750,136.5	1,873,113.2	16.9	95.3	summer
<i>Antigone. a. sharpii</i>	751,419.7	1,870,173.5	16.9	95.4	summer
<i>Antigone. a. sharpii</i>	751,477.4	1,863,479.1	16.8	95.4	summer
<i>Antigone. a. sharpii</i>	752,669.2	1,868,562	16.9	95.4	summer
<i>Antigone. a. sharpii</i>	756,167.3	1,855,082.1	16.8	95.4	summer
<i>Antigone. a. sharpii</i>	759,013	1,843,211.9	16.7	95.4	summer
<i>Antigone. a. sharpii</i>	761,526	1,878,778.7	17	95.5	summer

<i>Antigone. a. sharpii</i>	763,439.7	1,907,746.5	17.2	95.5	summer
<i>Antigone. a. sharpii</i>	769,714.4	1,861,735.9	16.8	95.5	summer
<i>Antigone. a. sharpii</i>	770,884.2	1,845,894.1	16.7	95.5	summer
<i>Antigone. a. sharpii</i>	773,979.9	1,838,875.6	16.6	95.6	summer
<i>Antigone. a. sharpii</i>	778,222.8	1,841,985.7	16.6	95.6	summer
<i>Antigone. a. sharpii</i>	778,713.1	1,848,811.3	16.7	95.6	summer
<i>Antigone. a. sharpii</i>	783,791.4	1,841,248.5	16.6	95.7	summer
<i>Antigone. a. sharpii</i>	784,185.3	1,856,327.9	16.8	95.7	summer
<i>Antigone. a. sharpii</i>	784,600.5	1,845,259.2	16.8	95.7	summer
<i>Antigone. a. sharpii</i>	790,256.8	1,867,423.2	16.9	95.7	summer
<i>Antigone. a. sharpii</i>	792,016	1,853,726.8	16.7	95.7	summer
<i>Antigone. a. sharpii</i>	804913.7	1,869,416.3	16.9	95.9	summer
<i>Antigone. a. sharpii</i>	804,916.9	1,869,413	16.9	95.9	summer
<i>Antigone. a. sharpii</i>	807,226.5	1,854,794.8	16.8	95.9	summer
<i>Antigone. a. sharpii</i>	807,439.8	1,854,797.9	16.8	95.9	summer
<i>Antigone. a. sharpii</i>	807,457.6	1,858,347	16.8	95.9	summer
<i>Antigone. a. sharpii</i>	711,950.6	1,877,555.8	17	95	rainy
<i>Antigone. a. sharpii</i>	712,199.5	1,877,176.5	17	95	rainy
<i>Antigone. a. sharpii</i>	725,694.5	1,861,537.6	16.8	95.1	rainy
<i>Antigone. a. sharpii</i>	725,842	1,859,606.4	16.8	95.1	rainy
<i>Antigone. a. sharpii</i>	726,118.7	1,862,641.4	16.8	95.1	rainy
<i>Antigone. a. sharpii</i>	726,139.4	1,860,411	16.8	95.1	rainy
<i>Antigone. a. sharpii</i>	726,252.1	1,860,142.1	16.8	95.1	rainy
<i>Antigone. a. sharpii</i>	727,192.6	1,859,937.5	16.8	95.1	rainy
<i>Antigone. a. sharpii</i>	731,340	1,893,840.4	17.1	95.2	rainy
<i>Antigone. a. sharpii</i>	735,921.1	1,862,125.6	16.8	95.2	rainy
<i>Antigone. a. sharpii</i>	736,038.1	1,861,667.5	16.8	95.2	rainy
<i>Antigone. a. sharpii</i>	738,118.4	1,861,003.4	16.8	95.2	rainy
<i>Antigone. a. sharpii</i>	744,638.7	1,853,819.7	16.8	95.3	rainy
<i>Antigone. a. sharpii</i>	752,039.1	1,869,012.8	16.9	95.4	rainy
<i>Antigone. a. sharpii</i>	753,117.5	1,869,302.6	16.9	95.4	rainy
<i>Antigone. a. sharpii</i>	758,966.3	1,844,239.9	16.7	95.4	rainy
<i>Antigone. a. sharpii</i>	759,013	1,843,211.9	16.7	95.4	rainy
<i>Antigone. a. sharpii</i>	759,123	1,843,207.7	16.7	95.4	rainy
<i>Antigone. a. sharpii</i>	759,508.2	1,846,106.7	16.7	95.4	rainy
<i>Antigone. a. sharpii</i>	763,104.2	1,864,581.1	16.8	95.5	rainy
<i>Antigone. a. sharpii</i>	763,954.2	1,838,513.6	16.6	95.5	rainy
<i>Antigone. a. sharpii</i>	769,587.2	1,851,636.7	16.7	95.5	rainy
<i>Antigone. a. sharpii</i>	769,712	1,850,794.5	16.7	95.5	rainy
<i>Antigone. a. sharpii</i>	769,956.5	1,850,198.6	16.7	95.5	rainy
<i>Antigone. a. sharpii</i>	770,145.3	1,847,689.6	16.7	95.5	rainy
<i>Antigone. a. sharpii</i>	770,167.1	1,847,647.8	16.7	95.5	rainy
<i>Antigone. a. sharpii</i>	770,725.9	1,847,348.2	16.7	95.5	rainy
<i>Antigone. a. sharpii</i>	771,176.2	1,848,689.4	16.7	95.5	rainy
<i>Antigone. a. sharpii</i>	771,892.3	1,845,516.1	16.7	95.5	rainy
<i>Antigone. a. sharpii</i>	783,904.7	1,841,401.7	16.6	95.7	rainy
<i>Antigone. a. sharpii</i>	785,701.8	1,849,568.6	16.7	95.7	rainy
<i>Antigone. a. sharpii</i>	787,620.8	1,856,558.2	16.8	95.7	rainy
<i>Antigone. a. sharpii</i>	807,439.8	1,854,797.9	16.8	95.9	rainy
<i>Antigone. a. sharpii</i>	807,546.5	1,854,798.3	16.8	95.9	rainy

**Table S2.** The Pearson correlation coefficient rank  $r$  statistic between the pair of environmental parameters.

Parameter	Elevation	Slope	River	Road	Village	Landcover	Bio1	Bio2	Bio3	Bio12	Bio14	Bio19
Elevation	1	-0.474	-0.011	-0.025	0.122	0.495	-0.039	0.137	-0.234	0.122	-0.04	-0.21
Slope	-0.474	1	-0.101	-0.124	-0.225	-0.085	-0.214	-0.045	-0.02	-0.145	0.055	0.001
River	-0.011	-0.101	1	0.354	0.239	-0.05	0.236	-0.136	0.176	-0.103	0.029	0.001
Road	-0.025	-0.124	0.354	1	0.166	-0.071	-0.248	0.07	0.271	-0.34	-0.345	0.244
Village	0.122	-0.225	0.239	0.166	1	-0.082	0.107	-0.049	0.129	-0.246	-0.039	-0.093
Landcover	0.495	-0.085	-0.05	-0.071	-0.082	1	0.054	-0.151	-0.032	0.022	-0.244	-0.225
Bio1	-0.039	-0.214	0.236	-0.248	0.107	0.054	1	-0.158	-0.045	0.1	-0.029	-0.13
Bio2	0.137	-0.045	-0.136	0.07	-0.049	-0.151	-0.158	1	-0.133	-0.162	0.159	0.078
Bio3	-0.234	-0.02	0.176	0.271	0.129	-0.032	-0.045	-0.133	1	-0.475	-0.047	-0.026
Bio12	0.122	-0.145	-0.103	-0.34	-0.246	0.022	0.1	-0.162	-0.475	1	0.062	0.053
Bio14	-0.04	0.055	0.029	-0.345	-0.039	-0.244	-0.029	0.159	-0.047	0.062	1	0.331
Bio19	-0.21	0.001	0.001	0.244	-0.093	-0.225	-0.13	0.078	-0.026	0.053	0.331	1

Bio 1 = annual mean temperature (°C); Bio2 = mean diurnal range (hours); Bio3 = isothermality (°C); Bio12 = annual precipitation (mm); Bio14 = precipitation of driest month (mm); Bio19 = precipitation of coldest quarter (mm).