



Corrigendum to **“The JapanFlux2024 dataset for eddy covariance** **observations covering Japan and East Asia** **from 1990 to 2023” published in Earth Syst. Sci. Data, 17,** **3807–3833, 2025**

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After a careful re-examination of our published paper, we identified transcription errors in Table 3. Specifically, for the sites JP-Tef, JP-Fhk, and JP-Spp, the values corresponding to disturbed and undisturbed conditions were inadvertently swapped during data entry. We also revised the table caption as part of it was unclear. We sincerely apologize for this oversight.

The corrections do not affect the overall conclusions or interpretations of the study.

Table 3. The summary of annual mean air temperature (TA); annual sum of precipitation (PREC); annual mean downward shortwave radiation (Rsd); annual mean carbon fluxes of NEE, GPP, and RECO; annual mean latent heat flux (LE); annual mean sensible heat flux (H); evapotranspiration (ET); and land cover. The statistics were calculated for the observation years, where disturbed sites were classified as before disturbance, disturbed period, and after disturbance. The disturbed period was defined as a period during 10 years after the disturbance. GPP, RECO, NEE, LE , and ET for boreal forests in Russia without winter measurements (RU-Tur, RU-NeB, RU-NeC, RU-NeF, RU-SkP, RU-Ege, RU-Sk2) were filled as zero. GPP, RECO, and NEE at MN-Skt and MN-Kbu were also considered zero during winter, when the daily mean air temperature was below -5°C , to mitigate the influence of the negative values of CO_2 fluxes caused by an artifact associated with an open-path sensor. The N/A values were listed because missing observations, even after gap-filled fluxes, prevented the calculation of annual fluxes or because the standard flux partitioning was not available for the pond, lakes, and urban landscapes. Corrected values are highlighted in bold.

Site ID	Disturbance	Land cover	TA	PREC	Rsd	NEE	GPP	RECO	LE	H	ET
			$^{\circ}\text{C}$	mm yr^{-1}	W m^{-2}	$\text{g C m}^{-2} \text{yr}^{-1}$	$\text{g C m}^{-2} \text{yr}^{-1}$	$\text{g C m}^{-2} \text{yr}^{-1}$	W m^{-2}	W m^{-2}	mm yr^{-1}
RU-Tur	fire	DNF	-7.0	264	93	-83	180	76	N/A	N/A	N/A
RU-NeB		GRA	-12.3	244	117	37	57	85	N/A	N/A	N/A
RU-NeF		OSH	-8.6	175	117	-166	653	455	10	N/A	132
RU-NeC	clearcut	OSH	-10.9	224	112	12	147	170	13	N/A	162
RU-SkP		DNF	-5.7	238	118	-139	523	375	21	N/A	265
RU-Sk2		ENF	-8.7	328	117	-194	522	283	16	N/A	203
RU-USk	fire	GRA	-11.6	289	110	N/A	N/A	N/A 15	N/A	193	
RU-Ege		DNF	-6.3	248	122	-225	715	466	20	N/A	259
MN-Skt		DNF	-1.7	279	169	-722	1058	324	15	45	189
MN-Udg	fire	DNF	-0.6	303	157	-431	617	413	19	29	246
MN-Nkh		GRA	-1.9	163	171	-83	603	516	20	25	253
MN-Hst		GRA	1.6	197	181	76	541	468	18	27	228
MN-Kbu	fire	GRA	0.7	204	183	-433	647	248	9	30	116
CN-Lsh		DNF	4.4	443	144	-60	1606	1255	25	36	324
JP-Sb1		WET	6.0	794	145	-288	1098	638	N/A	N/A	N/A
JP-Sb2	before clearcut after	WET	5.5	840	140	-313	1476	935	N/A	N/A	N/A
JP-Tef		MIX	5.9	926	125	-26	1238	1034	21	17	268
		GRA	5.9	926	125	192	882	898	18	10	232
	before clearcut after	DNF	5.9	926	125	-118	1363	1114	27	13	343
JP-MBF		DBF	3.9	1373	134	-442	1233	862	37	20	472
JP-MMF		MF	5.4	1092	134	-689	1537	861	43	21	537
JP-BBY	before/recovered windthrow	WET	7.2	953	143	-118	785	610	41	12	524
JP-Spp		DBF	7.4	1215	145	-42	1557	1432	40	15	500
		DBF	7.4	1215	145	235	1366	1554	35	16	444
JP-Tmk	windthrow after	DNF	6.6	1092	133	-270	1727	1401	45	31	568
JP-Tmd		GRA	7.0	1738	139	421	1176	1249	N/A	N/A	N/A
		DBF	7.0	1738	139	89	1225	1147	34	21	427
JP-Toc	fire	DBF	7.6	1342	137	-556	1729	1189	33	30	418
JP-Tom		DBF	6.9	1173	128	-249	916	642	N/A	40	N/A
JP-Srk		DBF	8.1	2669	129	-847	1408	600	41	-1	509
JP-Api	fire	DBF	6.3	1509	150	-375	1307	958	18	14	235
CN-HaM		GRA	-1.1	97	200	-77	862	618	31	23	389
JP-NsM		GRA	12.2	1658	150	-251	1989	1779	55	6	704
JP-NsC	fire	GRA	12.2	1658	150	-376	2098	1880	53	7	674
JP-Kzw		DBF	7.0	1524	165	-155	919	709	15	32	187
JP-Tkb		ENF	13.3	1514	159	-599	2490	1781	45	-7	579
JP-Tak	fire	DBF	6.8	2483	146	-342	1024	597	11	26	135
JP-Ta2		ENF	9.8	1760	148	-695	1990	1247	43	16	546
JP-Tgf		GRA	14.3	1141	153	-291	2307	1851	53	19	681
JP-KaP	fire	CRO	14.9	561	155	-774	1127	584	70	7	894
JP-Mse		CRO	13.9	1407	154	-197	1004	763	67	6	858
JP-SwL		WAT	11.8	1499	178	-287	N/A	N/A	80	18	1021
JP-KaL	fire	WAT	16.0	1575	163	-826	N/A	N/A	59	21	759
JP-Kwg		DBF	15.2	1492	151	-214	1631	1393	N/A	18	N/A
JP-Shn		MF	12.3	1713	167	-242	1612	1211	53	43	675
JP-Nkm	fire	ENF	0.5	2544	162	-381	1442	725	36	-3	445
JP-Fmt		MF	15.0	1611	158	35	2720	1652	71	35	913
JP-Kgu		URB	16.5	1400	149	N/A	N/A	N/A	27	41	344
JP-Fjy	before thinning	ENF	9.9	1989	165	-404	1772	1270	39	20	501
JP-Fhk		DNF	9.6	1846	168	-433	1914	1619	40	40	510
		DNF	9.6	1846	168	-74	1945	1873	43	43	554
JP-SMF		MF	14.8	1543	165	-142	1587	1059	51	23	658

Table 3. continued.

Site ID	Disturbance	Land cover	TA	PREC	Rsd	NEE	GPP	RECO	LE	H	ET
			°C	mm yr ^{−1}	W m ^{−2}	g C m ^{−2} yr ^{−1}	g C m ^{−2} yr ^{−1}	g C m ^{−2} yr ^{−1}	W m ^{−2}	W m ^{−2}	mm yr ^{−1}
JP-Nuf		DBF	15.4	1465	156	−327	1590	1139	22	16	277
JP-Tdf		DBF	14.8	2039	155	−601	1559	840	45	19	584
JP-Yms		DBF	15.0	1384	159	−223	1644	1400	63	30	805
JP-Nap		WAT	16.5	1083	176	−48	N/A	N/A	60	9	773
JP-Ako		EBF	15.3	739	169	N/A	N/A	N/A	27	47	347
JP-Sac	urbanization	URB	16.4	1594	159	5807	N/A	N/A	28	43	354
JP-Ozm	urbanization	URB	16.5	1828	150	793	1485	2353	52	23	673
JP-Om1	urbanization	URB	17.5	1202	165	1032	515	1622	23	39	294
JP-Om2	mowing	GRA	16.9	1466	166	430	2634	2937	71	9	908
JP-Hc3		CRO	15.8	1136	175	−663	1265	625	51	10	659
JP-Hc2		CRO	15.7	1141	161	−132	890	697	60	10	772
JP-Khw		ENF	15.2	2294	158	−906	2359	1689	81	20	1044
JP-Ynf		EBF	20.9	2611	159	−374	2200	1808	65	5	834
TH-Kog		EBF	19.9	2004	183	−1301	2078	1178	73	23	935
TH-Mae		DBF	25.3	1333	205	−579	2215	1783	69	36	888
KH-Kmp		EBF	26.9	1786	206	−72	3842	3044	106	19	1368
MY-LHP		EBF	26.2	2752	184	−989	3431	2552	89	28	1157
ID-Pag		EBF	26.1	2639	200	−183	3840	3486	111	29	1430
ID-PaB	fire	OSH	26.4	2642	197	−110	1746	1450	90	27	1164
ID-PaD		EBF	26.2	2543	197	179	3100	2997	94	29	1215