

## Erratum to: An Update of Non-iterative Solutions for Surface Fluxes Under Unstable Conditions

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We note that the coefficients in Tables 2, 3 and 4 are incorrect due to a typo in our numerical codes. The correct coefficients are presented below. In addition,  $L_{0M}$  and  $L_{0H}$  in Eq. 16 represent  $\ln(z/z_0)$  and  $\ln(z/z_{0h})$ , respectively. These errors do not affect the methodology and conclusions in the original article. We apologize for any inconvenience this may have caused.

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**Table 2** The coefficients of  $C_{ij,k}$  in Eq. 16 for Paulson (1970) and Dyer (1974)

	Region 1	Region 2	Region 3	Region 4	Region 5	Region 6	Region 7	Region 8
C031	-116.93	0	0	0	0	0	0	0
C013	0	0	0	0	0	0	0	0
C103	0	0	0	0	0	0	0	0
C130	0	0	0	0	0	0	0	0
C022	126.9	0	0	0	133.3	0	0	0
C112	0	0	0	0	0	0	0	0
C121	0	0	0	0	12.548	0	0	0
C003	0	0	0	0	0	0	0	0
C030	0	0	0	0	-34.644	0	-343.68	0
C012	-115.09	0	60.525	0	-121.31	-21.221	-637.21	-35.397
C021	111.64	0	-128.39	0	0	9.7024	935.47	0
C102	-3.572	14.904	0	0	-4.1189	0	0	0
C120	3.8304	0	0	0	0	0	0	0
C111	-4.5297	0	0	0	0	5.4758	0	0
C002	25.776	6.8022	0	4.5577	26.6	23.793	152.13	32.746
C020	0.45351	2.6097	33.947	5.4274	33.905	2.8282	85.433	10.744
C011	-26.473	-6.1598	0	0	0	-12.674	-212.9	-19.461
C101	6.6361	-2.5799	5.4086	0	3.2532	0	1.6941	0
C110	-3.3234	-0.98398	-4.91	-1.5934	-3.4678	-1.3558	0	0
C001	0	0	1.516	-0.46985	0	-1.7794	0	0
C010	0	0	-6.877	-1.4933	-8.6705	0	-5.0047	-3.3425
C100	-0.65868	-0.19337	-0.21653	-0.184	0	-0.42907	-0.50742	-0.53463
C000	1.0393	0.87712	1.2529	1.0526	1.3343	1.0925	1.4164	1.3388

**Table 3** The coefficients of  $C_{ij,k}$  in Eq. 16 for Businger et al. (1971)

	Region 1	Region 2	Region 3	Region 4	Region 5	Region 6	Region 7	Region 8
C031	0	25.722	0	0	0	0	0	0
C013	0	53.3	0	0	0	0	0	0
C103	-3.7191	0	0	0	0	0	0	0
C130	0	0	0	0	0	0	0	0
C022	104.12	0	0	0	126.75	0	0	0
C112	0	0	0	0	0	0	0	0
C121	0	0	0	0	22.646	0	0	0
C003	-6.1441	-89.778	0	0	0	0	0	0
C030	-21.161	0	0	0	-13.022	0	-346.94	0
C012	-86.094	0	0	-18.815	-127.03	-24.189	-637.45	-2.7535
C021	0	0	0	0	0	10.014	938.51	0
C102	0	20.657	0	0	-17.875	0	0	0
C120	9.8261	0	0	20.675	0	0	0	0
C111	-3.0309	0	0	0	0	7.4849	0	0
C002	24.821	28.71	16.585	11.518	41.253	27.05	151.75	31.86
C020	19.682	3.4622	28.385	0	11.691	3.6466	92.748	14.453
C011	0	-16.98	-39.87	-8.5759	0	-14.753	-215.45	-27.854
C101	5.2375	-3.6208	5.1811	0	11.1	0	1.8198	0.49618
C110	-7.9417	-1.3329	-5.6007	-7.2163	-5.7293	-1.8198	0	0
C001	-3.1037	0	2.4339	0	-7.849	-2.5196	0	0
C010	-4.1435	0	-4.3671	0	0	0	-7.391	-4.5562
C100	0	-0.30037	-0.25495	0	-0.74614	-0.55548	-0.69047	-0.73989
C000	1.6249	1.208	1.4202	1.2799	1.4903	1.4089	1.9321	1.7875

**Table 4** The coefficients of  $C_{ij,k}$  in Eq. 16 for Högström (1996)

	Region 1	Region 2	Region 3	Region 4	Region 5	Region 6	Region 7	Region 8
C031	0	19.799	0	0	0	0	0	0
C013	0	40.803	0	0	0	0	0	0
C103	-3.4585	0	0	0	0	0	0	0
C130	0	0	0	0	0	0	0	0
C022	93.566	0	0	0	0	112.85	0	0
C112	0	0	0	0	0	0	0	0
C121	0	0	0	0	53.743	0	0	0
C003	0	-70.126	0	0	0	-75.314	0	0
C030	-17.06	0	0	0	-19.255	0	-270.83	0
C012	-86.524	0	0	0	-11.834	-63.955	-499.16	0
C021	0	0	0	0	0	-14.078	734.22	0
C102	0	16.172	0	0	-8.0331	0	0	0
C120	7.5213	0	0	0	0	0	0	0
C111	-1.6899	0	0	0	-38.291	3.272	0	0
C002	20.398	22.461	13.047	21.084	9.0791	45.945	118.89	26.266
C020	15.098	2.6707	22.135	8.0603	17.408	3.5573	72.214	11.054
C011	5.4488	-13.234	-31.252	-18.778	0	0	-168.54	-21.253
C101	4.0177	-2.821	4.0778	0	13.599	0	1.422	0
C110	-6.2086	-1.005	-4.3839	0	0	0	0	0
C001	-3.1464	0	1.8993	0	-2.9556	-4.6537	0	0
C010	-3.5943	0	-3.3812	-2.1614	-4.5128	-1.3944	-5.7142	-3.5134
C100	0	-0.24117	-0.19875	-0.44189	-1.4939	-0.81944	-0.53715	-0.55815
C000	1.3398	0.94407	1.1059	1.1739	1.6124	1.4675	1.5035	1.3859