

Table S3. Mean standard deviation values before and after applying the topographic correction by N-SC and SC for each band and each slope class of deciduous forest.

Deciduous Forest Sample																			
Sensor Date	Slope range (Degrees)	Blue			Green			Red			NIR			SWIR-1			SWIR-2		
		Before Topographic Correction	After Topographic Correction		Before Topographic Correction	After Topographic Correction		Before Topographic Correction	After Topographic Correction		Before Topographic Correction	After Topographic Correction		Before Topographic Correction	After Topographic Correction		Before Topographic Correction	After Topographic Correction	
			NSC	SC		NSC	SC		NSC	SC		NSC	SC		NSC	SC		NSC	SC
Landsat TM Nov-27-1995	0	0.01416	0.01416	0.01416	0.01908	0.01908	0.01908	0.02489	0.02489	0.02489	0.03731	0.03731	0.03731	0.05632	0.05632	0.05632	0.04788	0.04788	0.04788
	0 - 5	0.01257	0.01206	0.01172	0.01679	0.01602	0.01555	0.02291	0.02188	0.02124	0.04493	0.04296	0.04196	0.06596	0.06203	0.05997	0.04961	0.04690	0.04542
	5 - 10	0.01172	0.01002	0.00976	0.01519	0.01274	0.01248	0.02131	0.01801	0.01758	0.04133	0.03573	0.03556	0.06156	0.04925	0.04802	0.04507	0.03651	0.03548
	10 - 15	0.00954	0.00892	0.00866	0.01257	0.01144	0.01109	0.01744	0.01616	0.01580	0.04236	0.03674	0.03665	0.05269	0.04185	0.04277	0.04020	0.03269	0.03348
	15 - 20	0.00999	0.00828	0.00849	0.01376	0.01072	0.01097	0.01881	0.01533	0.01595	0.04809	0.03563	0.03546	0.06461	0.04154	0.04247	0.04743	0.03199	0.03308
	20 - 25	0.01068	0.00780	0.00788	0.01498	0.01026	0.01040	0.02060	0.01452	0.01497	0.05063	0.03470	0.03446	0.07303	0.04066	0.04116	0.05297	0.03193	0.03294
	25 - 30	0.01177	0.00760	0.00758	0.01739	0.01046	0.01057	0.02333	0.01448	0.01409	0.06097	0.03656	0.03655	0.08573	0.04497	0.04550	0.06022	0.03442	0.03583
	30 - 35	0.01288	0.00718	0.00702	0.01979	0.01026	0.01027	0.02572	0.01408	0.01406	0.06912	0.03649	0.03661	0.09689	0.05049	0.04994	0.06644	0.04012	0.03944
	35 - 40	0.01460	0.00693	0.00648	0.02263	0.01020	0.00980	0.02927	0.01428	0.01278	0.07865	0.03592	0.03606	0.10892	0.07023	0.05060	0.07419	0.11821	0.05176
	> 40	0.01666	0.01478	0.00730	0.02570	0.08168	0.03704	0.03252	0.12923	0.05799	0.09102	0.10520	0.09208	0.11997	0.18990	0.13845	0.08169	0.13183	0.11874
Mean		0.0125	0.0098	0.0089	0.0178	0.0193	0.0147	0.0237	0.0283	0.0209	0.0564	0.0437	0.0423	0.0786	0.0647	0.0575	0.0566	0.0552	0.0474
Deciduous Forest Sample																			
Sensor Date	Slope range (Degrees)	Blue			Green			Red			NIR			SWIR-1			SWIR-2		
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			NSC	SC		NSC	SC		NSC	SC		NSC	SC		NSC	SC		NSC	SC
Landsat ETM+ Dec-02-2000	0	0.01308	0.01308	0.01308	0.01779	0.01779	0.01779	0.02324	0.02324	0.02324	0.02589	0.02589	0.02589	0.04128	0.04128	0.04128	0.03442	0.03442	0.03442
	0 - 5	0.00949	0.00906	0.00868	0.01353	0.01281	0.01225	0.01909	0.01809	0.01735	0.03076	0.02911	0.02813	0.04754	0.04439	0.04268	0.03470	0.03248	0.03117
	5 - 10	0.00854	0.00743	0.00729	0.01216	0.01017	0.00994	0.01678	0.01416	0.01389	0.03119	0.02620	0.02599	0.04284	0.03411	0.03351	0.03079	0.02527	0.02491
	10 - 15	0.00775	0.00718	0.00732	0.01085	0.00981	0.01000	0.01642	0.01488	0.01523	0.03102	0.02594	0.02593	0.04457	0.03561	0.03630	0.03262	0.02668	0.02731
	15 - 20	0.00793	0.00668	0.00680	0.01157	0.00921	0.00939	0.01802	0.01441	0.01483	0.03428	0.02499	0.02494	0.05356	0.03487	0.03557	0.03795	0.02551	0.02630
	20 - 25	0.00875	0.00633	0.00629	0.01282	0.00897	0.00896	0.02033	0.01425	0.01444	0.03652	0.02475	0.02464	0.06101	0.03392	0.03418	0.04341	0.02500	0.02548
	25 - 30	0.01026	0.00593	0.00577	0.01574	0.00888	0.00874	0.02399	0.01381	0.01380	0.04428	0.02594	0.02594	0.07366	0.03698	0.03703	0.05184	0.02686	0.02713
	30 - 35	0.01174	0.00549	0.00530	0.01834	0.00846	0.00825	0.02751	0.01297	0.01265	0.05125	0.02565	0.02565	0.08349	0.03932	0.03880	0.05824	0.02936	0.02850
	35 - 40	0.01357	0.00573	0.00520	0.02107	0.00896	0.00820	0.03117	0.01470	0.01245	0.06111	0.02737	0.02724	0.09663	0.04475	0.04097	0.06746	0.03985	0.03051
	> 40	0.01563	0.00878	0.00570	0.02446	0.03520	0.01141	0.03492	0.12357	0.04627	0.07609	0.03633	0.04267	0.11204	0.18812	0.11785	0.07795	0.18395	0.11867
Mean		0.0107	0.0076	0.0071	0.0158	0.0130	0.0105	0.0231	0.0264	0.0184	0.0422	0.0272	0.0277	0.0657	0.0533	0.0458	0.0469	0.0449	0.0374
Deciduous Forest Sample																			
Sensor Date	Slope range (Degrees)	Blue			Green			Red			NIR			SWIR-1			SWIR-2		
		Before Topographic Correction	After Topographic Correction		Before Topographic Correction	After Topographic Correction		Before Topographic Correction	After Topographic Correction		Before Topographic Correction	After Topographic Correction		Before Topographic Correction	After Topographic Correction		Before Topographic Correction	After Topographic Correction	
			NSC	SC		NSC	SC		NSC	SC		NSC	SC		NSC	SC		NSC	SC
Landsat OLI Mar-07-2015	0	0.02544	0.02544	0.02544	0.03631	0.03631	0.03631	0.04137	0.04137	0.04137	0.03335	0.03335	0.03335	0.03737	0.03737	0.03737	0.04215	0.04215	0.04215
	0 - 5	0.01702	0.01671	0.01649	0.02444	0.02401	0.02371	0.02815	0.02755	0.02718	0.03243	0.03136	0.03053	0.03924	0.03684	0.03573	0.03204	0.03064	0.03004
	5 - 10	0.01385	0.01269	0.01255	0.01949	0.01788	0.01766	0.02291	0.02064	0.02042	0.03230	0.02891	0.02834	0.03975	0.03309	0.03267	0.02859	0.02442	0.02425
	10 - 15	0.01051	0.01046	0.01055	0.01460	0.01461	0.01475	0.01785	0.01737	0.01753	0.02736	0.02567	0.02598	0.03710	0.03176	0.03216	0.02802	0.02429	0.02451
	15 - 20	0.01101	0.01019	0.01020	0.01513	0.01411	0.01412	0.01978	0.01762	0.01764	0.02956	0.02576	0.02593	0.04397	0.03370	0.03404	0.03242	0.02534	0.02552
	20 - 25	0.01186	0.00964	0.00956	0.01625	0.01336	0.01326	0.02157	0.01652	0.01642	0.03182	0.02480	0.02485	0.04990	0.03143	0.03145	0.03690	0.02411	0.02408
	25 - 30	0.01590	0.01177	0.01172	0.02246	0.01668	0.01664	0.02879	0.02024	0.02015	0.04073	0.02656	0.02654	0.06165	0.03459	0.03457	0.04597	0.02752	0.02741
	30 - 35	0.01455	0.01101	0.01064	0.02062	0.01528	0.01495	0.02756	0.01949	0.01901	0.04229	0.02355	0.02350	0.06577	0.03336	0.03315	0.04747	0.02687	0.02621
	35 - 40	0.01448	0.00993	0.00898	0.02047	0.01367	0.01277	0.02813	0.01834	0.01676	0.04726	0.02244	0.02234	0.07327	0.03252	0.03155	0.05237	0.02619	0.02409
	> 40	0.01690	0.01464	0.01011	0.02404	0.01997	0.01480	0.03306	0.04314	0.02064	0.06054	0.03302	0.03301	0.08867	0.06781	0.04749	0.06350	0.07545	0.03505
Mean		0.0152	0.0132	0.0126	0.0214	0.0186	0.0179	0.0269	0.0242	0.0217	0.0378	0.0275	0.0274	0.0537	0.0372	0.0350	0.0409	0.0327	0.0283