

Table S2. Standard deviation Mean reflectance values before and after applying the topographic correction by N-SC and SC for each band and each slope class of oak, pine, and mesophyll forest.

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	0.00235	0.00235	0.00235	0.00225	0.00225	0.00225	0.00000	0.00000	0.00000	0.00705	0.00705	0.00705	0.01725	0.01725	0.01725	0.01170	0.01170	0.01170
	0 - 5	0.00364	0.00353	0.00346	0.00562	0.00534	0.00529	0.00608	0.00581	0.00574	0.04227	0.04084	0.04077	0.02679	0.02544	0.02539	0.01435	0.01380	0.01376
	5 - 10	0.00445	0.00426	0.00411	0.00855	0.00764	0.00766	0.00818	0.00764	0.00763	0.06692	0.06211	0.06212	0.04112	0.03616	0.03650	0.02018	0.01792	0.01818
	10 - 15	0.00461	0.00479	0.00494	0.00785	0.00882	0.00877	0.01044	0.01235	0.01197	0.05489	0.05979	0.05625	0.03692	0.04090	0.04368	0.02054	0.02381	0.02610
	15 - 20	0.00510	0.00473	0.00499	0.00898	0.00846	0.00836	0.01041	0.01197	0.01161	0.06317	0.05768	0.05681	0.04538	0.03898	0.04146	0.02323	0.02168	0.02408
	20 - 25	0.00599	0.00456	0.00468	0.01119	0.00841	0.00856	0.01191	0.01028	0.01031	0.07928	0.05594	0.05546	0.05696	0.03602	0.03750	0.02809	0.01996	0.02208
	25 - 30	0.00702	0.00476	0.00473	0.01319	0.00781	0.00792	0.01409	0.00980	0.00973	0.09230	0.05302	0.05296	0.06839	0.03723	0.03850	0.03356	0.02212	0.02422
	30 - 35	0.00833	0.00455	0.00433	0.01561	0.00717	0.00717	0.01659	0.00899	0.00897	0.11152	0.05328	0.05328	0.08191	0.03930	0.03860	0.03967	0.02608	0.02537
	35 - 40	0.00872	0.00457	0.00386	0.01664	0.00681	0.00641	0.01772	0.01010	0.00839	0.12203	0.04879	0.04897	0.08833	0.06147	0.04244	0.04212	0.11415	0.03605
	> 40	0.00854	0.00455	0.00350	0.01598	0.00585	0.00483	0.02063	0.01293	0.00845	0.11017	0.02961	0.03162	0.08243	0.17290	0.02296	0.04152	0.07955	0.01503
Mean		0.0059	0.0043	0.0041	0.0106	0.0069	0.0067	0.0116	0.0090	0.0083	0.0750	0.0468	0.0465	0.0545	0.0506	0.0344	0.0275	0.0351	0.0217
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	0.00000	0.00000	0.00000	0.00490	0.00490	0.00490	0.00320	0.00320	0.00320	0.00935	0.00935	0.00935	0.00545	0.00545	0.00545	0.00565	0.00565	0.00565
	0 - 5	0.00378	0.00374	0.00371	0.00599	0.00579	0.00566	0.00819	0.00819	0.00813	0.03168	0.03005	0.02958	0.02714	0.02604	0.02598	0.01991	0.01966	0.01929
	5 - 10	0.00421	0.00370	0.00366	0.00736	0.00627	0.00620	0.00842	0.00786	0.00774	0.04749	0.04089	0.04062	0.03716	0.03332	0.03358	0.01982	0.01923	0.01921
	10 - 15	0.00418	0.00372	0.00379	0.00703	0.00616	0.00630	0.00989	0.01087	0.01043	0.03895	0.03580	0.03575	0.03929	0.04232	0.04109	0.02361	0.02558	0.02690
	15 - 20	0.00450	0.00383	0.00380	0.00800	0.00648	0.00659	0.01075	0.01045	0.01047	0.04544	0.03575	0.03564	0.04301	0.04217	0.04173	0.02545	0.02534	0.02666
	20 - 25	0.00527	0.00403	0.00400	0.00982	0.00654	0.00653	0.01188	0.00993	0.00981	0.05765	0.03717	0.03709	0.05065	0.03690	0.03764	0.02796	0.02479	0.02395
	25 - 30	0.00586	0.00421	0.00407	0.01112	0.00659	0.00648	0.01372	0.00944	0.00944	0.06372	0.03580	0.03581	0.05753	0.03587	0.03601	0.03171	0.02354	0.02395
	30 - 35	0.00669	0.00393	0.00374	0.01340	0.00609	0.00597	0.01602	0.00900	0.00889	0.07781	0.03482	0.03497	0.06810	0.03279	0.03186	0.03701	0.02230	0.02149
	35 - 40	0.00721	0.00376	0.00347	0.01412	0.00565	0.00530	0.01625	0.00860	0.00790	0.08770	0.03596	0.03606	0.07335	0.03543	0.03111	0.03860	0.02529	0.01986
	> 40	0.00760	0.00404	0.00389	0.01434	0.00526	0.00528	0.01932	0.01062	0.00947	0.08269	0.02978	0.02805	0.07564	0.03039	0.02671	0.04522	0.02991	0.01915
Mean		0.0049	0.0035	0.0034	0.0096	0.0060	0.0059	0.0118	0.0088	0.0085	0.0542	0.0325	0.0323	0.0477	0.0321	0.0311	0.0275	0.0221	0.0206
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 OLI Mar-07-2015	0	0.00190	0.00190	0.00190	0.00195	0.00195	0.00195	0.00425	0.00425	0.00425	0.00160	0.00160	0.00160	0.01150	0.01150	0.01150	0.01130	0.01130	0.01130
	0 - 5	0.01375	0.01333	0.01227	0.01776	0.01710	0.01647	0.02460	0.02391	0.02336	0.03680	0.04053	0.03593	0.05179	0.05101	0.05083	0.03263	0.03182	0.03145
	5 - 10	0.01109	0.01010	0.00996	0.01783	0.01588	0.01556	0.02632	0.02380	0.02346	0.04112	0.03770	0.03760	0.05625	0.04868	0.04800	0.03541	0.03094	0.03061
	10 - 15	0.00761	0.00731	0.00700	0.01220	0.01249	0.01087	0.01913	0.01885	0.01802	0.03891	0.03244	0.03241	0.05297	0.05531	0.05332	0.03495	0.04255	0.03726
	15 - 20	0.00781	0.00704	0.00669	0.01271	0.01166	0.01007	0.01996	0.01861	0.01770	0.03896	0.02646	0.02636	0.05503	0.05427	0.05213	0.03719	0.03946	0.03979
	20 - 25	0.00802	0.00616	0.00611	0.01339	0.00915	0.00913	0.02087	0.01673	0.01668	0.04630	0.02495	0.02486	0.06051	0.04703	0.04706	0.03841	0.03461	0.03454
	25 - 30	0.00919	0.00570	0.00563	0.01544	0.00812	0.00813	0.02413	0.01514	0.01447	0.05435	0.02565	0.02561	0.07034	0.04012	0.04011	0.04306	0.02971	0.02959
	30 - 35	0.01047	0.00600	0.00531	0.01778	0.00804	0.00796	0.02772	0.01443	0.01460	0.06258	0.02595	0.02590	0.08026	0.03538	0.03540	0.04751	0.02528	0.02507
	35 - 40	0.01207	0.00601	0.00562	0.02021	0.00839	0.00807	0.03143	0.01475	0.01425	0.06926	0.02402	0.02393	0.08913	0.03442	0.03415	0.05443	0.02520	0.02454
	> 40	0.01068	0.00558	0.00486	0.01689	0.00774	0.00669	0.02682	0.01252	0.01235	0.05552	0.02241	0.02286	0.07743	0.02808	0.02716	0.04998	0.02094	0.02007
Mean		0.0093	0.0069	0.0065	0.0146	0.0101	0.0095	0.0225	0.0163	0.0159	0.0445	0.0262	0.0257	0.0605	0.0406	0.0400	0.0385	0.0292	0.0284