

Table S4. Absolute and relative reflectance differences, respect flat terrain for 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	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%		
	0 - 5	0.0003	1.2%	0.0003	1.5%	0.0004	2.0%	-0.0013	4.0%	-0.0012	3.7%	-0.0010	3.2%	-0.0002	0.6%	-0.0001	0.3%	0.0001	0.3%	0.0092	4.8%	0.0099	5.1%	0.0108	5.6%	-0.0022	1.7%	-0.0017	1.3%	-0.0008	0.6%	0.0036	7.0%	0.0039	7.5%	0.0044	8.3%
	5 - 10	0.0006	2.7%	0.0007	3.2%	0.0008	3.6%	-0.0010	3.0%	-0.0009	2.7%	-0.0008	2.4%	0.0008	3.1%	0.0010	3.6%	0.0011	4.1%	0.0226	11.8%	0.0232	12.0%	0.0234	12.2%	0.0013	1.0%	0.0017	1.3%	0.0024	1.8%	0.0037	7.2%	0.0039	7.4%	0.0043	8.2%
	10 - 15	0.0012	5.4%	0.0024	10.7%	0.0027	12.1%	0.0015	4.9%	0.0038	12.0%	0.0042	13.3%	0.0049	18.1%	0.0076	28.3%	0.0084	31.1%	0.0287	14.9%	0.0426	22.1%	0.0420	21.8%	0.0110	8.5%	0.0234	18.1%	0.0262	20.2%	0.0108	20.6%	0.0171	32.8%	0.0193	37.0%
	15 - 20	0.0017	7.8%	0.0030	13.6%	0.0020	9.0%	0.0022	7.0%	0.0046	14.4%	0.0031	9.7%	0.0052	19.1%	0.0098	36.3%	0.0070	26.0%	0.0356	18.5%	0.0498	25.9%	0.0414	21.5%	0.0129	9.9%	0.0253	19.6%	0.0280	21.7%	0.0112	21.4%	0.0175	33.6%	0.0201	38.4%
	20 - 25	0.0011	4.7%	0.0024	10.8%	0.0025	11.4%	0.0008	2.6%	0.0030	9.5%	0.0033	10.2%	0.0035	13.0%	0.0063	23.2%	0.0069	25.6%	0.0294	15.3%	0.0417	21.6%	0.0403	20.9%	0.0077	6.0%	0.0196	15.1%	0.0217	16.8%	0.0085	16.2%	0.0148	28.4%	0.0173	33.2%
	25 - 30	0.0013	5.7%	0.0024	10.9%	0.0024	10.8%	0.0010	3.1%	0.0027	8.4%	0.0028	8.8%	0.0037	13.9%	0.0061	22.6%	0.0066	24.4%	0.0295	15.3%	0.0374	19.4%	0.0372	19.4%	0.0088	6.8%	0.0191	14.7%	0.0205	15.9%	0.0087	16.7%	0.0150	28.7%	0.0170	32.6%
	30 - 35	0.0026	11.6%	0.0019	8.5%	0.0017	7.8%	0.0032	10.0%	0.0014	4.4%	0.0014	4.4%	0.0060	22.3%	0.0051	18.7%	0.0050	18.6%	0.0447	23.2%	0.0264	13.7%	0.0275	14.3%	0.0212	16.4%	0.0132	10.2%	0.0125	9.7%	0.0146	28.0%	0.0138	26.5%	0.0134	25.7%
	35 - 40	0.0041	18.3%	0.0011	4.8%	0.0009	4.0%	0.0061	19.3%	0.0002	0.7%	0.0000	0.1%	0.0088	32.5%	0.0044	16.1%	0.0034	12.6%	0.0664	34.5%	0.0165	8.6%	0.0177	9.2%	0.0391	30.2%	0.0178	13.8%	0.0082	6.4%	0.0227	43.5%	0.0320	61.4%	0.0136	26.0%
	> 40	0.0093	41.8%	0.0004	1.7%	0.0010	4.5%	0.0155	48.8%	-0.0007	2.3%	-0.0005	1.4%	0.0205	75.9%	0.0046	17.1%	0.0037	13.6%	0.1280	66.5%	0.0112	5.8%	0.0122	6.4%	0.0886	68.5%	0.0431	33.3%	0.0020	1.5%	0.0469	89.9%	0.0066	12.6%	0.0056	10.8%
Media Desv. Std.		0.0028	9.9%	0.0011	6.6%	0.0009	6.5%	0.0050	10.3%	0.0021	5.8%	0.0019	5.4%	0.0060	19.8%	0.0033	16.6%	0.0031	15.6%	0.0360	20.5%	0.0166	13.4%	0.0149	13.1%	0.0273	14.9%	0.0137	12.7%	0.0113	9.5%	0.0135	25.1%	0.0093	23.9%	0.0073	22.0%
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 ETM+ Dec-02-2000	0	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%		
	0 - 5	0.0023	10.7%	0.0024	10.9%	0.0025	11.4%	0.0006	1.6%	0.0007	1.8%	0.0008	2.3%	-0.0025	8.0%	-0.0024	7.7%	-0.0022	7.0%	0.0270	13.7%	0.0273	13.9%	0.0279	14.2%	0.0046	3.2%	0.0050	3.5%	0.0056	3.9%	0.0028	4.2%	0.0030	4.6%	0.0034	5.2%
	5 - 10	0.0015	7.0%	0.0015	6.8%	0.0015	6.9%	-0.0005	1.5%	-0.0006	1.8%	-0.0006	1.7%	-0.0040	12.5%	-0.0040	12.7%	-0.0025	8.0%	0.0351	17.9%	0.0343	17.5%	0.0344	17.5%	0.0032	2.2%	0.0027	1.9%	0.0030	2.1%	0.0000	0.0%	-0.0001	0.1%	0.0002	0.2%
	10 - 15	0.0027	12.4%	0.0032	14.9%	0.0021	9.7%	0.0016	4.4%	0.0027	7.4%	0.0029	7.9%	0.0004	1.2%	0.0018	5.8%	0.0022	6.9%	0.0351	17.9%	0.0412	21.0%	0.0411	20.9%	0.0148	10.3%	0.0222	15.5%	0.0221	15.4%	0.0084	12.7%	0.0126	18.9%	0.0138	20.7%
	15 - 20	0.0029	13.3%	0.0034	15.5%	0.0034	15.7%	0.0018	5.0%	0.0027	7.5%	0.0028	7.8%	0.0003	1.0%	0.0015	4.9%	0.0018	5.8%	0.0375	19.1%	0.0420	21.4%	0.0419	21.3%	0.0145	10.1%	0.0207	14.4%	0.0220	15.3%	0.0072	10.8%	0.0108	16.2%	0.0119	18.0%
	20 - 25	0.0026	11.9%	0.0032	14.7%	0.0032	14.6%	0.0014	3.8%	0.0025	6.8%	0.0025	6.8%	-0.0008	2.4%	0.0006	1.9%	0.0007	2.4%	0.0379	19.3%	0.0430	21.9%	0.0427	21.7%	0.0097	6.7%	0.0165	11.5%	0.0173	12.1%	0.0041	6.1%	0.0082	12.3%	0.0091	13.7%
	25 - 30	0.0029	13.6%	0.0033	15.2%	0.0032	14.7%	0.0021	5.8%	0.0027	7.4%	0.0026	7.1%	-0.0008	2.4%	-0.0002	0.5%	-0.0002	0.5%	0.0425	21.6%	0.0446	22.7%	0.0446	22.7%	0.0116	8.1%	0.0163	11.4%	0.0164	11.5%	0.0046	6.9%	0.0079	11.8%	0.0083	12.4%
	30 - 35	0.0040	18.2%	0.0029	13.3%	0.0028	13.0%	0.0043	11.9%	0.0019	5.3%	0.0018	5.0%	0.0016	4.9%	-0.0008	2.6%	-0.0010	3.1%	0.0539	27.5%	0.0388	19.8%	0.0391	19.9%	0.0209	14.6%	0.0106	7.4%	0.0099	6.9%	0.0092	13.8%	0.0054	8.1%	0.0047	7.1%
	35 - 40	0.0049	22.7%	0.0022	10.0%	0.0023	10.4%	0.0062	17.2%	0.0006	1.7%	0.0006	1.6%	0.0037	11.6%	-0.0016	5.0%	-0.0020	6.3%	0.0664	33.8%	0.0306	15.6%	0.0304	15.5%	0.0310	21.7%	0.0054	3.8%	0.0034	2.3%	0.0134	20.1%	0.0036	5.5%	0.0008	1.2%
	> 40	0.0088	40.7%	0.0015	6.8%	0.0023	10.7%	0.0133	37.0%	-0.0014	3.8%	-0.0005	1.3%	0.0137	43.6%	-0.0018	5.7%	-0.0012	3.8%	0.0975	49.7%	0.0136	6.9%	0.0106	5.4%	0.0732	51.0%	-0.0050	3.5%	-0.0029	2.0%	0.0391	58.8%	0.0024	3.6%	0.0005	0.7%
Media Desv. Std.		0.0024	15.0%	0.0011	10.8%	0.0010	10.7%	0.0041	8.8%	0.0015	4.4%	0.0014	4.1%	0.0049	8.8%	0.0018	4.7%	0.0016	4.4%	0.0257	22.0%	0.0145	16.1%	0.0149	15.9%	0.0213	12.8%	0.0092	7.3%	0.0092	7.2%	0.0114	13.4%	0.0044	8.1%	0.0052	7.9%
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	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%	0.0000	0.0%		
	0 - 5	0.0033	9.9%	0.0033	10.0%	0.0023	6.9%	0.0000	0.0%	0.0001	0.1%	0.0002	0.3%	-0.0040	5.5%	-0.0039	5.4%	-0.0037	5.2%	-0.0062	2.7%	-0.0056	2.5%	-0.0045	2.0%	-0.0269	11.4%	-0.0263	11.2%	-0.0257	10.9%	-0.0131	9.9%	-0.0129	9.8%	-0.0126	9.5%
	5 - 10	0.0007	2.0%	0.0007	2.1%	0.0007	2.2%	-0.0029	5.0%	-0.0030	5.1%	-0.0029	5.0%	-0.0091	12.5%	-0.0093	12.8%	-0.0093	12.8%	-0.0068	3.0%	-0.0059	2.6%	-0.0053	2.3%	-0.0338	14.3%	-0.0335	14.2%	-0.0333	14.1%	-0.0176	13.3%	-0.0176	13.3%	-0.0175	13.3%
	10 - 15	-0.0008	2.4%	0.0006	1.8%	0.0007	2.2%	-0.0047	8.0%	-0.0024	4.1%	-0.0022	3.7%	-0.0102	14.0%	-0.0072	9.9%	-0.0070	9.6%	-0.0035	1.5%	0.0034	1.5%	0.0046	2.0%	-0.0216	9.2%	-0.0113	4.8%	-0.0101	4.3%	-0.0114	8.6%	-0.0046	3.5%	-0.0040	3.1%
	15 - 20	-0.0013	4.0%	0.0003	0.9%	0.0003	0.9%	-0.0060	10.3%	-0.0035	5.9%	-0.0035	5.9%	-0.0106	14.6%	-0.0071	9.8%	-0.0071	9.8%	-0.0031	1.4%	0.0046	2.0%	-0.0064	2.8%	-0.0177	7.5%	-0.0056	2.4%	-0.0047	2.0%	-0.0102	7.7%	-0.0022	1.7%	-0.0057	4.3%
	20 - 25	-0.0032	9.6%	-0.0017	4.9%	-0.0018	5.3%	-0.0088	15.0%	-0.0064	11.0%	-0.0066	11.3%	-0.0150	20.7%	-0.0120	16.6%	-0.0123	16.9%	-0.0050	2.2%	0.0022	1.0%	0.0024	1.1%	-0.0275	11.7%	-0.0169	7.2%	-0.0168	7.1%	-0.0175	13.2%	-0.0104	7.9%	-0.0105	8.0%
	25 - 30	-0.0035	10.4%	-0.0022	6.6%	-0.0025	7.4%	-0.0090	15.5%	-0.0072	12.4%	-0.0076	13.0%	-0.0160	22.0%	-0.0143	19.7%	-0.0146	20.1%	-0.0018	0.8%	0.0036	1.6%	0.0038	1.7%	-0.0303	12.9%	-0.0231	9.8%	-0.							