

5. Analysis of slope

5.1. Aracá – slope maps

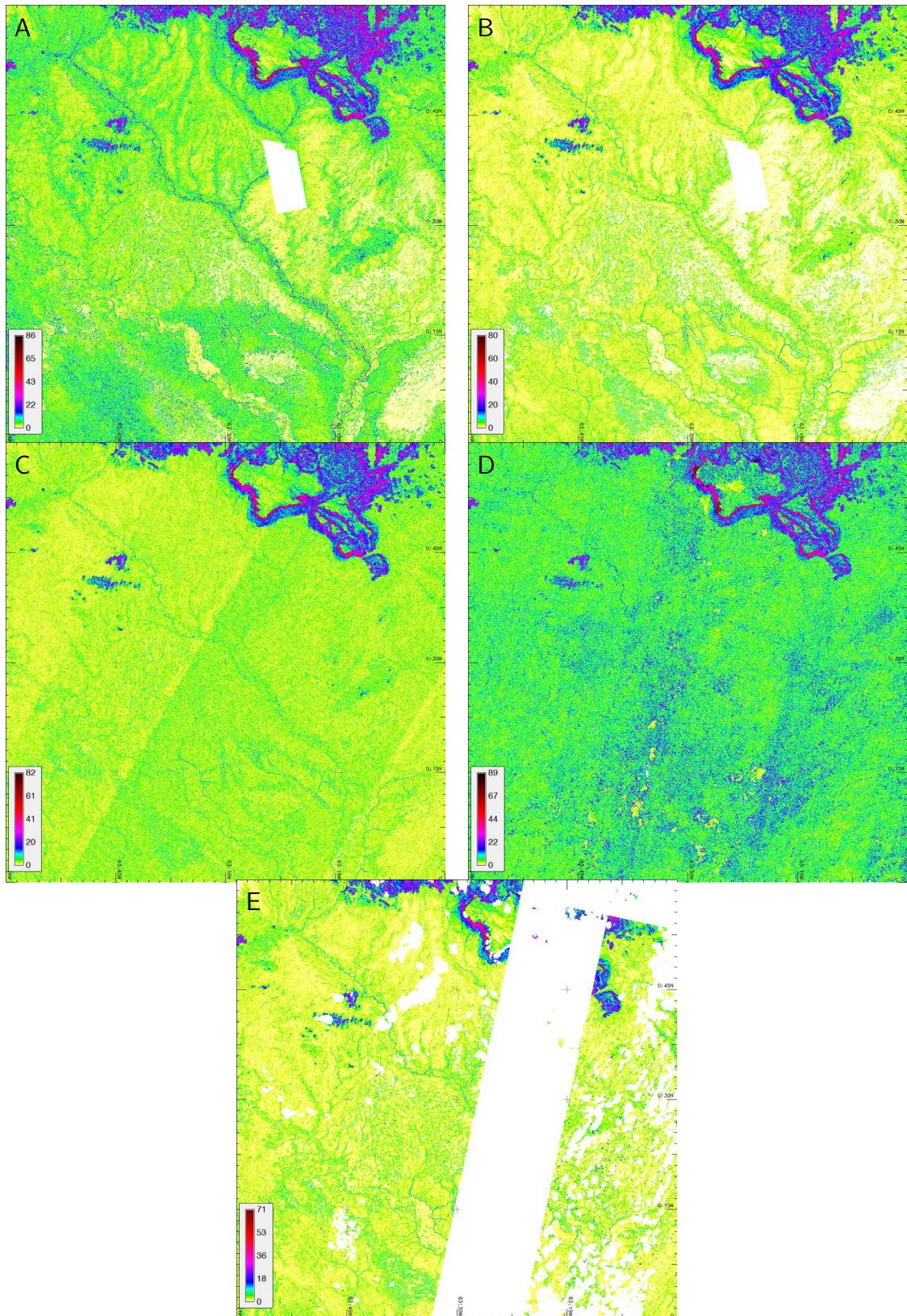


Figure S.5.1. Slope maps for Aracá area. A) TanDEM-X, 12 m resolution; B) TanDEM-X, 30 m resolution; C) SRTM, 30 m resolution; D) ASTER GDEM, 30 m resolution; E) ALOS AW3D, 30 m resolution.

5.2. Barcelos – slope maps

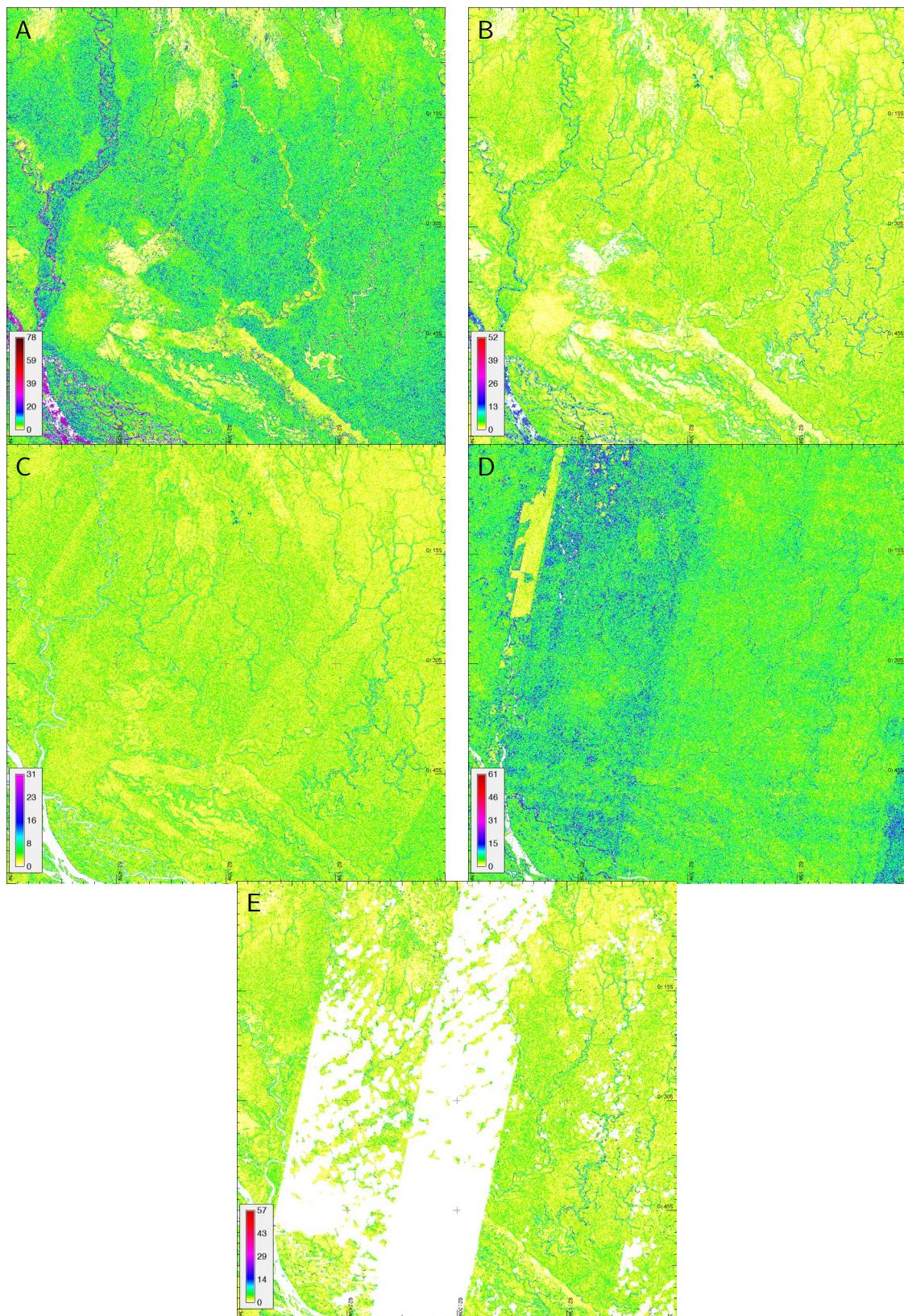


Figure S.5.2. Slope maps for Barcelos area. A) TanDEM-X, 12 m resolution; B) TanDEM-X, 30 m resolution; C) SRTM, 30 m resolution; D) ASTER GDEM, 30 m resolution; E) ALOS AW3D, 30 m resolution.

5.3. Pantanal – slope maps

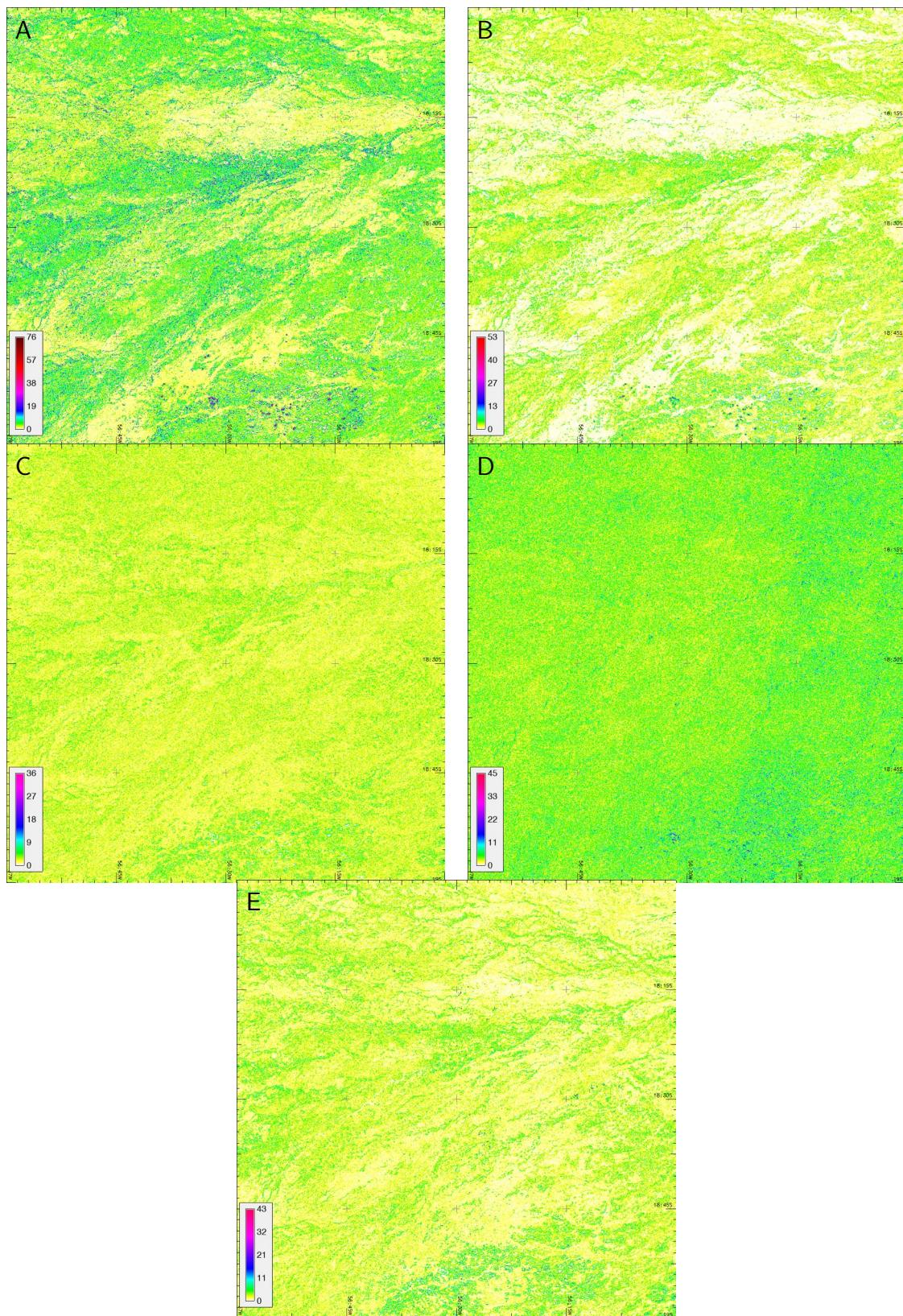


Figure S.5.3. Slope maps for Pantanal area. A) TanDEM-X, 12 m resolution; B) TanDEM-X, 30 m resolution; C) SRTM, 30 m resolution; D) ASTER GDEM, 30 m resolution; E) ALOS AW3D, 30 m resolution.

5.4. Iporanga – slope maps

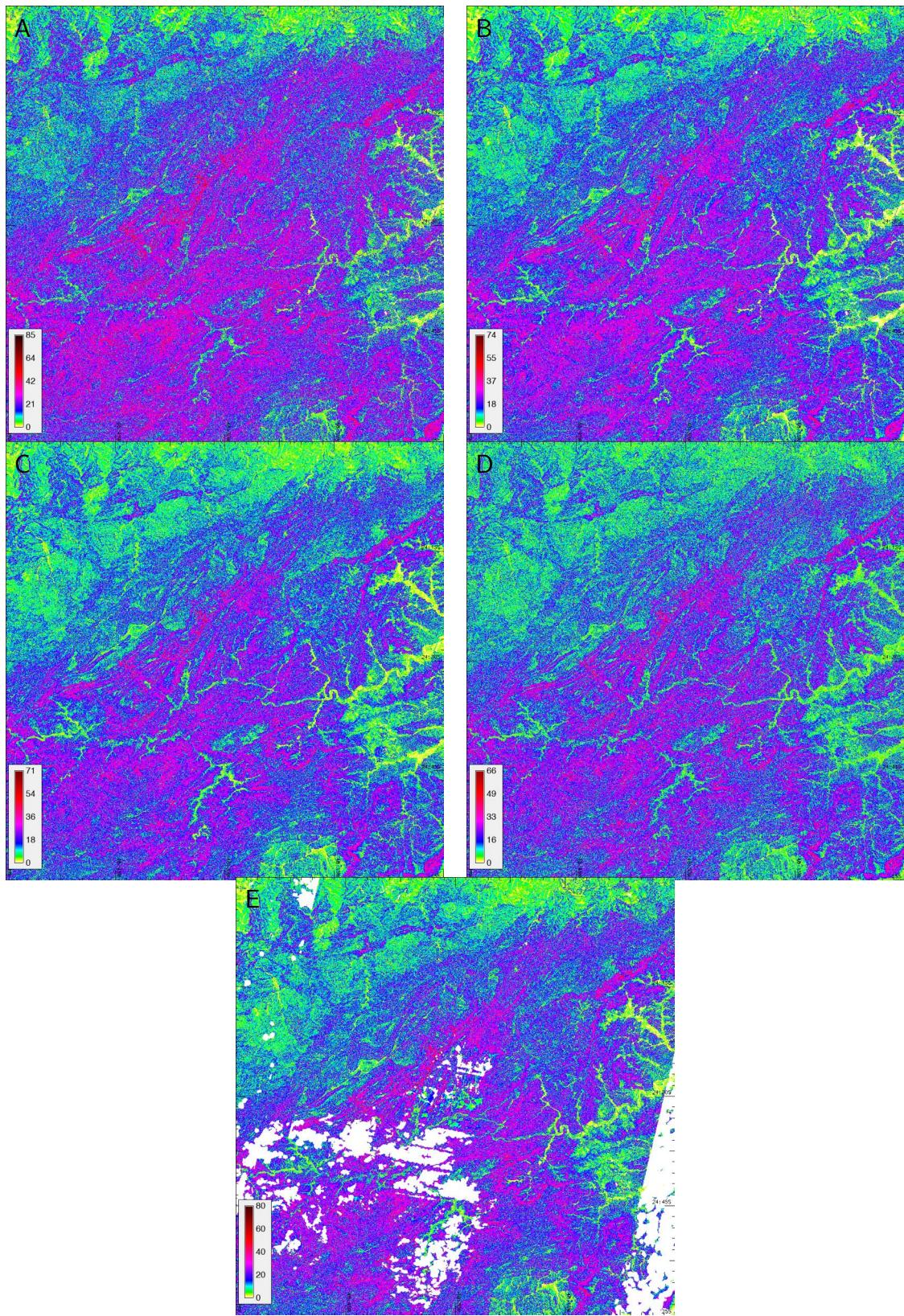


Figure S.5.4. Slope maps for Iporanga area. A) TanDEM-X, 12 m resolution; B) TanDEM-X, 30 m resolution; C) SRTM, 30 m resolution; D) ASTER GDEM, 30 m resolution; E) ALOS AW3D, 30 m resolution.

5.5. Rio Claro – slope maps

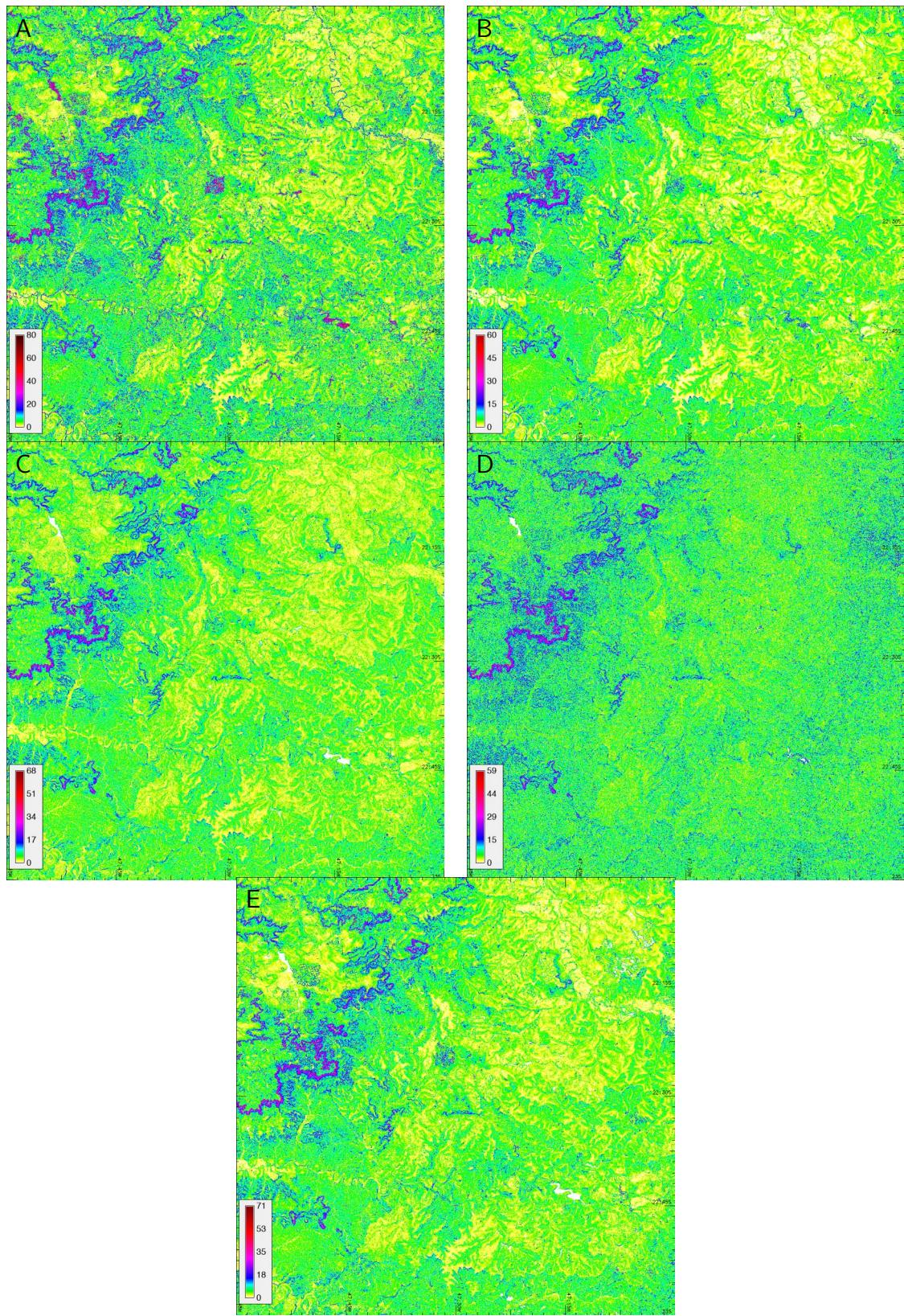


Figure S.5.5. Slope maps for Rio Claro area. A) TanDEM-X, 12 m resolution; B) TanDEM-X, 30 m resolution; C) SRTM, 30 m resolution; D) ASTER GDEM, 30 m resolution; E) ALOS AW3D, 30 m resolution.

5.6. Santa Catarina – slope maps

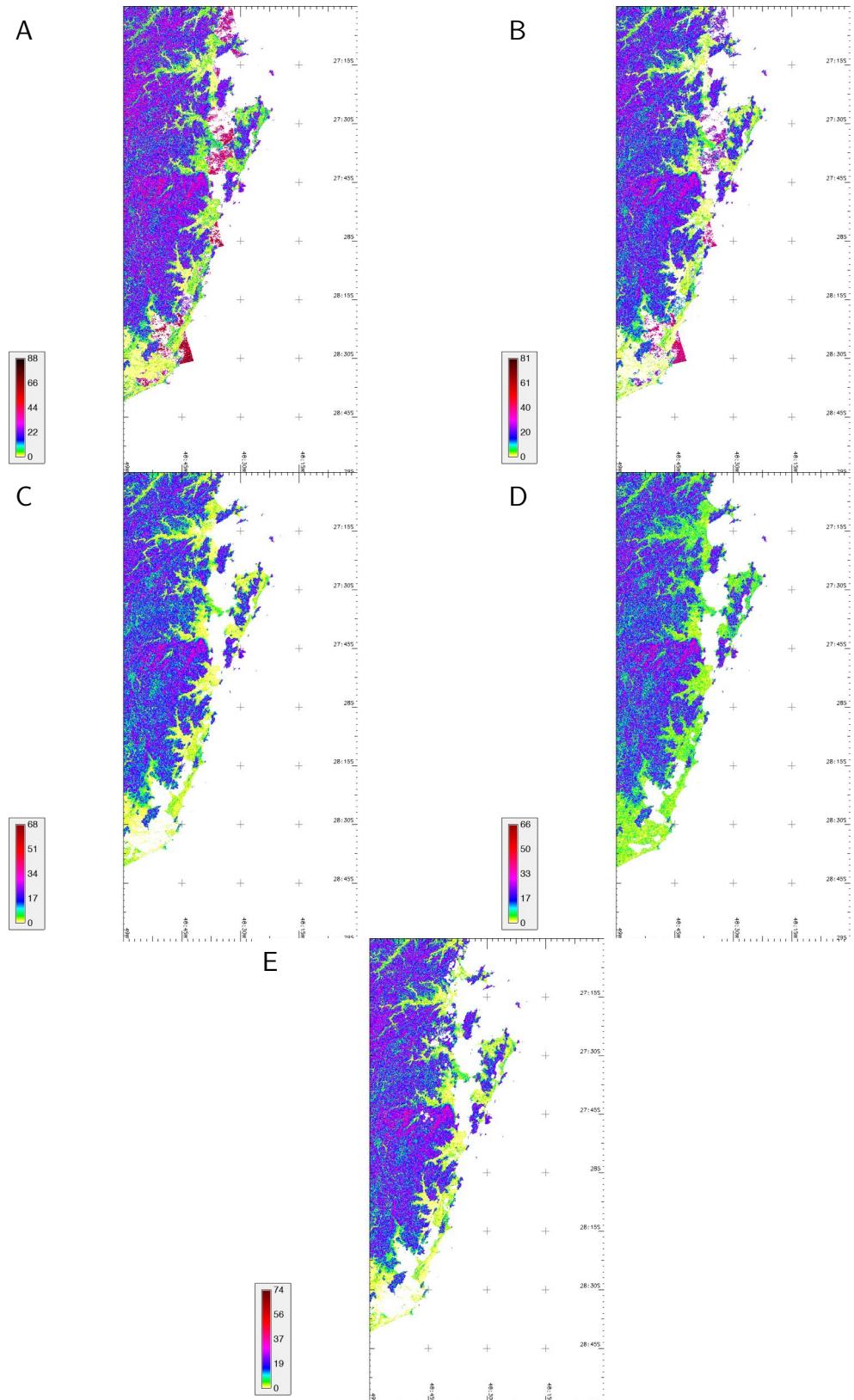


Figure S.5.6. Slope maps for Santa Catarina area. A) TanDEM-X, 12 m resolution; B) TanDEM-X, 30 m resolution; C) SRTM, 30 m resolution; D) ASTER GDEM, 30 m resolution; E) ALOS AW3D, 30 m resolution.

5.7. Serra do Mar – slope maps

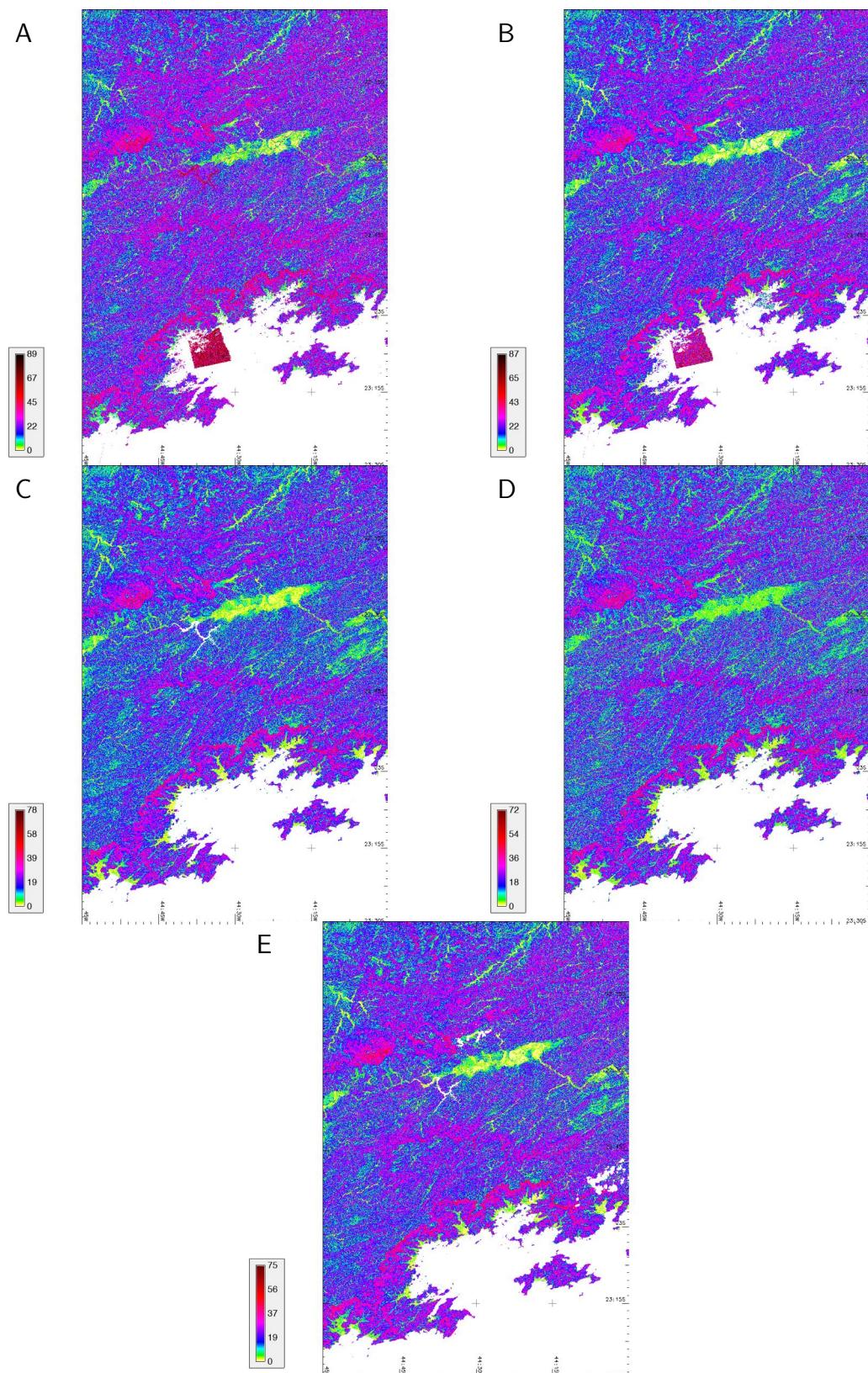


Figure S.5.7. Slope maps for Serra do Mar area. A) TanDEM-X, 12 m resolution; B) TanDEM-X, 30 m resolution; C) SRTM, 30 m resolution; D) ASTER GDEM, 30 m resolution; E) ALOS AW3D, 30 m resolution.

5.8. Summary statistics of slope (10 000 random points)

Table S.17. Summary statistics of slope - Aracá area

stats	min	max	range	mean	median	stddev	skew	kurt	p25	p75
tdx12_slope_Aracá	0.04	75.82	75.78	5.27	3.53	5.90	3.16	15.19	1.76	6.41
tdx30_slope_Aracá	0.01	64.45	64.45	3.33	1.75	5.23	4.03	21.39	0.83	3.36
srtm30_slope_Aracá	0.00	60.34	60.34	4.09	2.81	4.87	4.15	23.38	1.68	4.40
aster30_slope_Aracá	0.00	86.69	86.68	7.47	6.13	6.00	3.28	21.84	3.73	9.42
aw3d30_slope_Aracá	0.00	53.32	53.32	2.83	1.77	3.91	5.04	35.78	1.04	3.04

Table S.18. Summary statistics of slope - Barcelos area

stats	min	max	range	mean	median	stddev	skew	kurt	p25	p75
tdx12_slope_Barcelos	0.02	63.20	63.18	5.99	4.75	5.25	2.85	14.88	2.59	7.88
tdx30_slope_Barcelos	0.01	37.43	37.42	2.64	1.97	2.53	3.00	15.86	1.07	3.33
srtm30_slope_Barcelos	0.00	18.24	18.24	2.78	2.36	2.01	1.78	5.52	1.39	3.66
aster30_slope_Barcelos	0.00	40.60	40.60	5.93	5.08	4.05	1.63	4.97	3.09	7.86
aw3d30_slope_Barcelos	0.00	41.11	41.11	2.47	1.91	2.25	3.28	25.21	1.04	3.22

Table S.19. Summary statistics of slope - Pantanal area

stats	min	max	range	mean	median	stddev	skew	kurt	p25	p75
tdx12_slope_Pantanal	0.02	75.63	75.61	3.66	2.37	3.86	3.47	29.11	1.11	5.01
tdx30_slope_Pantanal	0.01	53.07	53.07	1.67	1.02	1.86	3.85	62.20	0.38	2.32
srtm30_slope_Pantanal	0.00	18.95	18.94	2.10	1.84	1.33	1.69	7.25	1.19	2.74
aster30_slope_Pantanal	0.00	21.24	21.24	3.89	3.41	2.39	1.36	3.47	2.16	5.11
aw3d30_slope_Pantanal	0.00	16.05	16.05	1.88	1.38	1.70	2.28	7.82	0.77	2.38

Table S.20. Summary statistics of slope - Iporanga area

stats	min	max	range	mean	median	stddev	skew	kurt	p25	p75
tdx12_slope_Iporanga	0.18	60.59	60.42	18.50	17.77	10.20	0.42	-0.32	10.37	25.69
tdx30_slope_Iporanga	0.05	54.15	54.10	16.37	15.73	9.16	0.34	-0.56	8.93	23.04
srtm30_slope_Iporanga	0.00	54.51	54.51	15.13	14.18	8.65	0.51	-0.19	8.19	21.11
aster30_slope_Iporanga	0.00	54.00	54.00	15.51	14.39	8.94	0.57	-0.17	8.39	21.51
aw3d30_slope_Iporanga	0.00	64.25	64.25	15.87	14.97	9.15	0.48	-0.24	8.52	22.33

Table S.21. Summary statistics of slope - Rio Claro area

stats	min	max	range	mean	median	stddev	skew	kurt	p25	p75
tdx12_slope_RioClaro	0.03	61.50	61.47	6.33	4.81	5.76	2.82	12.20	2.75	7.95
tdx30_slope_RioClaro	0.05	49.18	49.13	4.98	4.01	4.15	2.73	12.46	2.33	6.41
srtm30_slope_RioClaro	0.00	48.99	48.99	4.89	4.08	3.84	2.87	16.30	2.39	6.28
aster30_slope_RioClaro	0.00	54.24	54.24	6.71	5.92	4.37	1.95	8.74	3.75	8.75
aw3d30_slope_RioClaro	0.00	50.14	50.14	5.12	4.11	4.30	2.91	14.79	2.39	6.51

Table S.22. Summary statistics of slope - Santa Catarina area

stats	min	max	range	mean	median	stddev	skew	kurt	p25	p75
tdx12_slope_SantaCatarina	0.05	58.47	58.42	16.51	16.82	10.84	0.27	-0.60	6.75	24.46
tdx30_slope_SantaCatarina	0.01	51.41	51.40	14.41	14.90	9.80	0.13	-0.94	5.06	22.08
srtm30_slope_SantaCatarina	0.00	45.79	45.79	13.53	13.63	8.96	0.23	-0.81	5.13	20.30
aster30_slope_SantaCatarina	0.00	51.00	51.00	13.95	13.34	9.01	0.43	-0.58	5.97	20.55
aw3d30_slope_SantaCatarina	0.00	49.92	49.91	14.87	15.21	9.77	0.16	-0.91	5.78	22.45

Table S.23. Summary statistics of slope - Serra do Mar area

stats	min	max	range	mean	median	stddev	skew	kurt	p25	p75
tdx12_slope_SerraMar	0.17	70.93	70.76	20.83	20.58	10.53	0.40	0.30	13.09	27.90
tdx30_slope_SerraMar	0.09	65.98	65.90	18.80	18.77	9.53	0.29	0.05	11.88	25.24
srtm30_slope_SerraMar	0.00	64.11	64.11	17.18	16.80	9.08	0.45	0.29	10.54	23.07
aster30_slope_SerraMar	0.00	63.41	63.41	17.70	17.04	9.62	0.46	-0.04	10.24	24.24
aw3d30_slope_SerraMar	0.00	64.94	64.94	18.77	18.80	9.80	0.28	-0.09	11.42	25.50

5.9. Histograms of slope

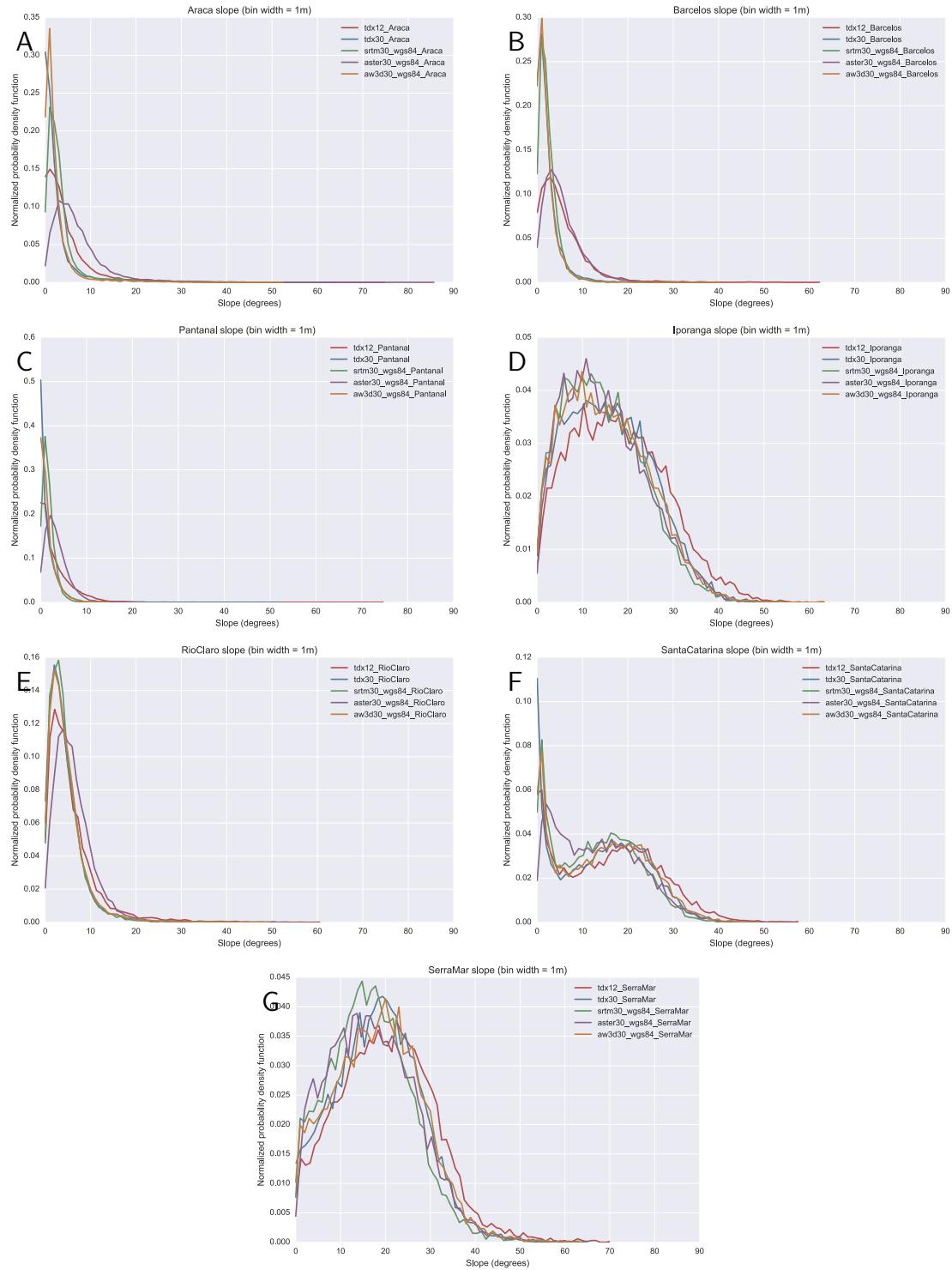


Figure S.5.8. Histograms of slope for each study area. A) Aracá; B) Barcelos; C) Pantanal; D) Iporanga; E) Rio Claro; F) Santa Catarina; G) Serra do Mar.