

Supplementary material

Table 1 List of all processed image pairs and obtained accuracies.

N°	central locality (country)	path	row	vegetation type on the scene	Year/DoY Pre-fire	Year/DoY Post-fire	overall accuracy	omission		commission	
								producer accuracy		user accuracy	
								burnt	unburnt	burnt	unburnt
1	Irkuck (Russia)	132	23	Coniferous	2015/169	2015/233	92.6	92.9	92.3	89.0	95.1
2	Lelczyce (Belarus)	183	24	Coniferous/Broadleaf/ Peatland	2015/206	2015/254	92.2	87.8	96.3	89.1	95.7
3	Santa Rosa (USA)	45	33	Coniferous/Grassland	2015/119	2015/263	92.5	98.9	91.5	64.8	99.8
4	Melbourne (Australia)	92	86	Broadleaf	2008/061	2009/047	89.9	71.1	97.4	91.6	89.4
5	Leon (Spain)	203	30	Broadleaf/Mediterranean	2003/097	2007/180	99.7	-	99.7	-	99.9
6	Lamego (Portugal)	S-2		Broadleaf/Mediterranean	2017/07/14	2017/09/02	99.6	99.5	99.6	99.3	99.7
7	Leon (Spain)	203	30	Broadleaf/Mediterranean	2011/239	2015/282	99.9	100.0	99.9	99.0	100.0
8	Porto (Portugal)	S-2		Broadleaf/Mediterranean	2017/07/14	2017/09/02	99.5	99.8	98.5	99.5	99.5
9	Ararat (Australia)	94	86	Broadleaf/Mediterranean	2014/012	2014/028	99.4	97.5	99.7	97.9	99.6
10	Leon (Spain)	203	30	Broadleaf/Mediterranean	1999/182	2000/249	99.1	98.6	99.2	97.2	99.6
11	Leon (Spain)	203	30	Broadleaf/Mediterranean	2000/249	2001/235	99.3	96.7	99.6	97.0	99.6
12	Leon (Spain)	203	30	Broadleaf/Mediterranean	2001/091	2003/097	99.4	98.6	99.5	96.2	99.8
13	Leon (Spain)	203	30	Broadleaf/Mediterranean	1990/245	1991/144	98.7	98.5	98.7	94.9	99.6
14	Leon (Spain)	203	30	Broadleaf/Mediterranean	2016/141	2016/221	100.0	100.0	100.0	94.1	100.0
15	Leon (Spain)	203	30	Broadleaf/Mediterranean	1984/165	1985/119	95.5	95.7	95.3	93.1	97.1
16	Leon (Spain)	203	30	Broadleaf/Mediterranean	2010/172	2011/255	99.9	100.0	99.9	93.1	100.0
17	Leon (Spain)	203	30	Broadleaf/Mediterranean	1985/119	1987/125	96.4	87.4	98.5	93.3	97.1
18	Adelaide (Australia)	97	84	Broadleaf/Mediterranean	2014/337	2015/004	96.6	85.1	99.7	98.8	96.0
19	Leon (Spain)	203	30	Broadleaf/Mediterranean	2015/282	2016/173	100.0	100.0	100.0	66.7	100.0
20	Santiago (Chile)	233	83	Broadleaf/Mediterranean	2013/278	2014/009	66.4	33.7	99.8	99.4	59.5
21	Leon (Spain)	203	30	Broadleaf/Mediterranean	1987/125	1989/170	98.6	13.8	100.0	100.0	98.6
22	Porterville (USA)	S-2		Mediterranean	20170711	20171019	99.4	99.5	99.1	99.4	99.3
23	Athens (Greece)	183	34	Mediterranean	2000/173	2000/317	98.2	97.7	98.3	96.0	99.1
24	Cape Town (South Africa)	175	84	Mediterranean	2014/115	2015/070	98.7	95.8	99.2	95.8	99.2
25	Alghero (Italy)	193	32	Mediterranean	2016/087	2016/231	98.6	93.8	100.0	100.0	98.2
26	Athens (Greece)	183	34	Mediterranean	2000/173	2000/237	97.4	99.9	93.7	95.8	99.9
27	Athens (Greece)	183	34	Mediterranean	1986/142	1986/222	99.1	98.5	99.2	93.2	99.8

28	Athens (Greece)	183	34	Mediterranean	1987/097	1987/225	99.5	98.9	99.6	92.9	99.9
29	Athens (Greece)	183	34	Mediterranean	1999/186	1999/218	99.9	100.0	99.9	92.3	100.0
30	Alghero (Italy)	193	32	Mediterranean	2013/158	2013/238	96.5	89.6	99.7	99.3	95.3
31	Athens (Greece)	183	34	Mediterranean	2015/014	2015/238	99.5	98.5	99.5	89.3	99.9
32	Alghero (Italy)	193	32	Mediterranean	2014/097	2014/225	99.0	85.5	99.9	98.2	99.0
33	Athens (Greece)	183	34	Mediterranean	2002/034	2002/226	99.5	100.0	99.5	84.3	100.0
34	Athens (Greece)	183	34	Mediterranean	2010/224	2011/259	98.1	100.0	97.9	84.3	100.0
35	Alghero (Italy)	193	32	Mediterranean	1999/192	1999/240	95.5	83.7	99.8	99.4	94.4
36	Athens (Greece)	183	34	Mediterranean	2003/221	2003/269	99.9	100.0	99.9	83.3	100.0
37	Alghero (Italy)	193	32	Mediterranean	2003/139	2003/211	93.2	81.6	99.6	99.1	90.8
38	Alghero (Italy)	193	32	Mediterranean	2015/196	2016/199	98.1	76.3	99.7	95.9	98.2
39	Athens (Greece)	183	34	Mediterranean	2001/079	2001/287	96.3	100.0	95.8	75.7	100.0
40	Athens (Greece)	183	34	Mediterranean	2013/120	2013/232	97.8	100.0	97.6	73.7	100.0
41	Athens (Greece)	183	34	Mediterranean	2014/091	2014/235	98.8	100.0	98.8	73.4	100.0
42	Alghero (Italy)	193	32	Mediterranean	2000/067	2000/211	93.7	72.3	99.8	99.2	92.7
43	Alghero (Italy)	193	32	Mediterranean	2002/176	2002/248	97.7	71.8	99.9	98.1	97.6
44	Athens (Greece)	183	34	Mediterranean	2009/221	2010/224	99.5	94.4	99.6	70.8	99.9
45	Alghero (Italy)	193	32	Mediterranean	1987/119	1987/231	84.2	66.7	99.6	99.4	77.3
46	Alghero (Italy)	193	32	Mediterranean	2002/168	2003/195	92.4	58.9	99.9	99.2	91.6
47	Alghero (Italy)	193	32	Mediterranean	2013/238	2014/241	97.6	54.6	99.9	97.7	97.6
48	Athens (Greece)	183	34	Mediterranean	2001/079	2001/207	98.0	100.0	98.0	46.4	100.0
49	Athens (Greece)	183	34	Mediterranean	1987/161	1987/257	85.8	98.5	85.4	17.5	99.9
50	Molhado (Brasil)	221	66	Savannah	2016/107	2016/235	94.3	91.6	97.7	98.1	90.1
51	Marimba (Angola)	180	65	Savannah	2003/144	2004/155	95.2	98.7	94.0	84.8	99.5
52	Florianópolis (Brasil)	219	65	Savannah/Grassland	2013/148	2013/244	97.3	96.6	97.7	94.8	98.5
53	Salina (USA)	28	33	Grassland	2016/003	2016/099	97.5	96.1	98.7	98.5	96.7
54	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	1990/146	1990/162	99.7	98.5	99.9	99.0	99.8
55	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	2016/098	2016/114	99.9	100.0	99.9	97.8	100.0
56	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	2001/208	2002/211	99.7	97.4	99.8	97.4	99.8
57	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	2000/222	2001/208	99.3	96.1	99.7	96.6	99.6
58	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	2016/178	2016/194	99.7	96.0	99.9	96.0	99.8

59	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	2016/178	2016/210	99.5	98.5	99.6	95.6	99.9
60	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	2015/095	2015/159	99.1	99.3	99.1	95.0	99.9
61	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	1986/095	1987/162	99.2	94.4	99.9	99.5	99.2
62	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	1986/095	1989/239	98.9	96.5	99.2	93.5	99.6
63	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	2002/259	2003/254	97.2	93.7	98.1	92.4	98.5
64	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	2016/146	2016/178	97.8	98.5	97.6	92.2	99.6
65	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	2013/169	2013/217	99.7	95.0	99.8	90.5	99.9
66	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	2014/188	2014/236	99.1	95.7	99.3	88.8	99.7
67	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	2016/114	2016/146	97.7	97.0	97.9	87.4	99.5
68	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	2009/030	2010/337	95.6	97.9	95.4	62.3	99.8
69	Jerusalem (Israel)	174	38	Semidesert/Grassland/ Mediterranean	1998/096	1999/115	99.8	37.5	100.0	75.0	99.8
70	Toboali (Indonesia)	123	62	Tropical forest	2009/217	2009/265	97.3	100.0	96.3	90.5	100.0
71	Bade (Indonesia)	102	65	Tropical forest	2015/231	2015/279	86.9	99.3	83.1	63.8	99.8
72	Cerejeiras (Brasil)	230	69	Tropical forest/Savannah	2007/161	2007/225	98.4	94.7	99.7	99.2	98.1
73	Puerto Gaitan (Colombia)	S-2		Tropical forest/Savannah	2015/12/09	2016/01/19	96.1	97.5	95.3	92.1	98.6