



BAIS2: Burned Area Index for Sentinel-2[†]

Federico Filipponi

Independent Scientist, Via Michelangelo Tamburini 8, 00154 Roma, Italy; federico.filipponi@gmail.com;
Tel.: +39-329-6139908

[†] Presented at the 2nd International Electronic Conference on Remote Sensing, 22 March–5 April 2018;
Available online: <https://sciforum.net/conference/ecrs-2>.

Supplementary Materials**Table S1.** Spectral characteristics of Sentinel-2 MSI sensor.

Spectral band	Band name	S2A Central wavelength (nm)	S2A Bandwidth (nm)	S2B Central wavelength (nm)	S2B Bandwidth (nm)	Resolution (m)
B1	Coastal aerosol	443.9	27	442.3	45	60
B2	Blue	496.6	98	492.1	98	10
B3	Green	560.0	45	559.0	46	10
B4	Red	664.5	38	665.0	39	10
B5	Red edge 1	703.9	19	703.8	20	20
B6	Red edge 2	740.2	18	739.1	18	20
B7	Red edge 3	782.5	28	779.7	28	20
B8	Near infrared	835.1	145	833.0	133	10
B8A	Near infrared narrow	864.8	33	864.0	32	20
B9	Water vapor	945.0	26	943.2	27	60
B10	SWIR Cirrus	1373.5	75	1376.9	76	60
B11	Shortwave Infrared 1	1613.7	143	1610.4	141	20
B12	Shortwave Infrared 2	2202.4	242	2185.7	238	20

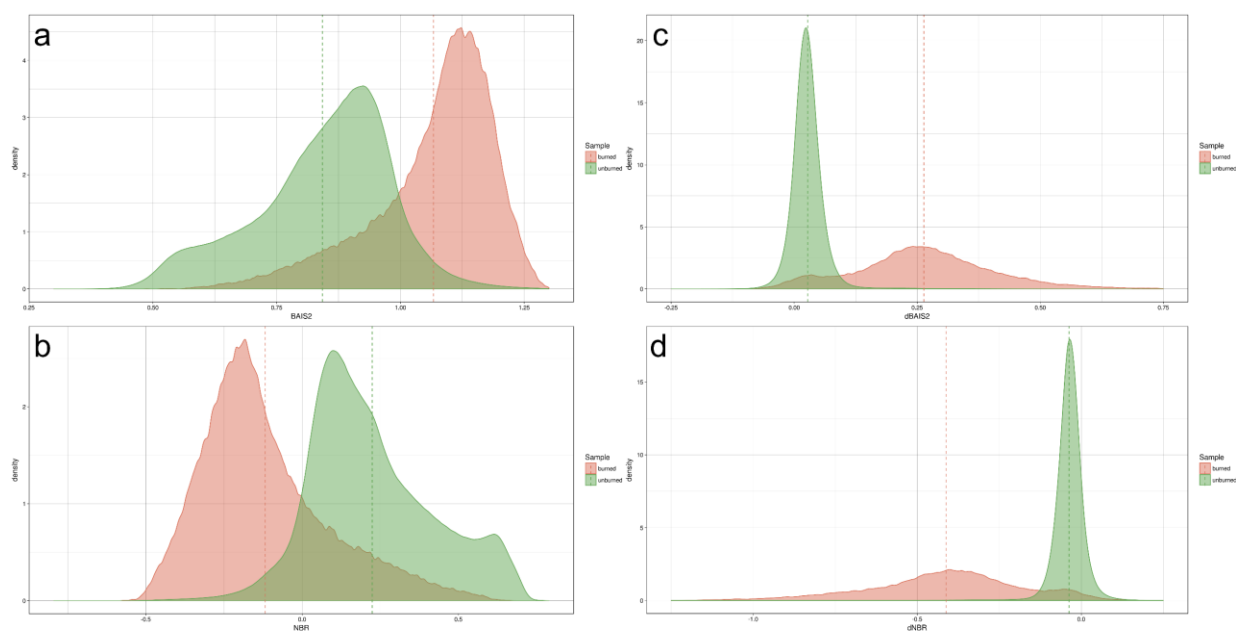


Figure S1. (a) Distribution of burned and unburned pixels values for BAI2 index; (b) Distribution of burned and unburned pixels values for NBR index; (c) Distribution of burned and unburned pixels values for dBAIS2 index; (d) Distribution of burned and unburned pixels values for dNBR index.

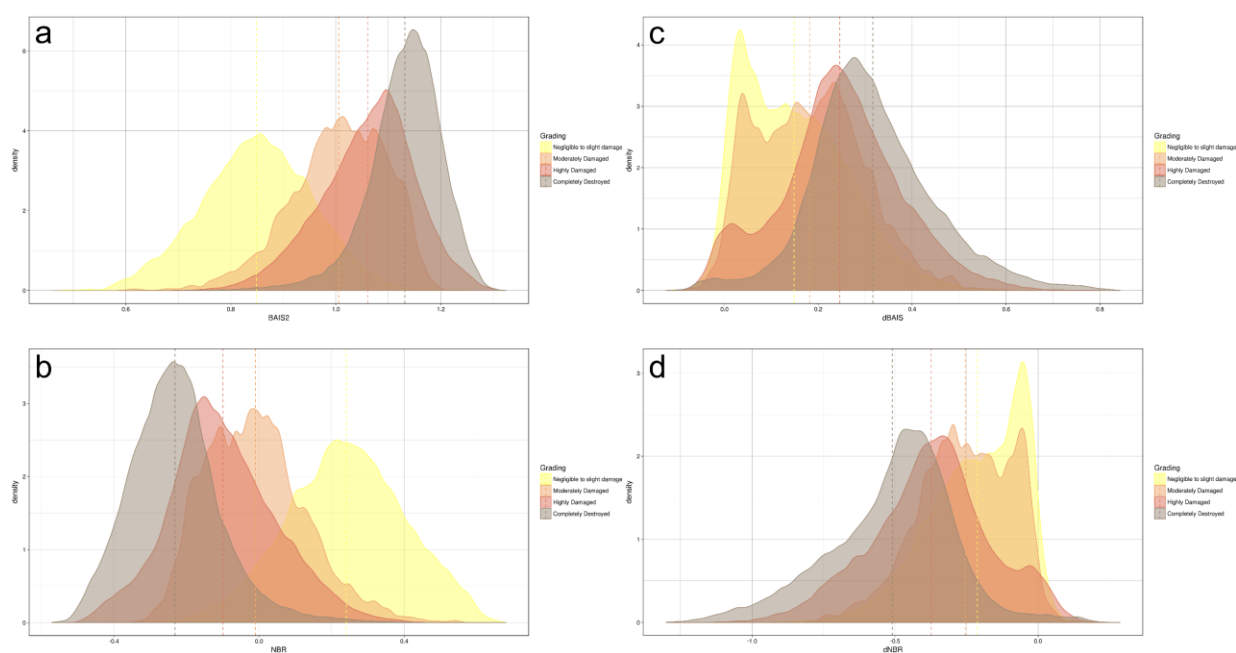


Figure S2. (a) Distribution of pixels values for BAI2 index with respect to the EMS grading levels; (b) Distribution of pixels values for NBR index with respect to the EMS grading levels; (c) Distribution of pixels values for dBAIS2 index with respect to the EMS grading levels; (d) Distribution of pixels values for dNBR index with respect to the EMS grading levels.

