Data name	Event	Task	Data sources	test split	# imgs	Size	Description
xbd2xbd	flood	im2im	maxar-xbd -> maxar-xbd	random	3284	9.8 GB	Main dataset with HD image-triplets from 7 floods in different regions and times. Each image-triplet contains a pre-flood and post-flood image and a generated flood mask.
xbd	flood	seg	maxar-xbd	random	109	160 MB	Ground-truth flood segmentation masks for a subset of the imagery in xbd2xbd.
naip2xbd	flood	im2im	naip -> maxar-xbd	held-out sensor (difficult)	2063	6.1 GB	Data to evaluate im2im translation between two sensors with significant variance. Here, mapping from NAIP aerial imagery to all Maxar images in the xbd2xbd dataset.
naip2hou	flood	im2im	naip -> maxar-houston	held-out sensor	5602	16 GB	Data to evaluate im2im translation between two sensors. Here, mapping from NAIP aerial imagery to a single swath of a Maxar satellite over West Houston after hurricane Katrina.
hou	flood	seg	maxar-houston	random	260	370 MB	Ground-truth flood segmentation masks for a subset of the imagery in naip2hou.
forest	reforestation	im2im	sen2 -> sen2	random	1272	5.5 GB	Forests before and after reforestation, including ground-truth reforestation masks. Used to evaluate generalization across climate events.
forest-gtm	reforestation	im2im	sen2 -> sen2	held-out region	107	460 MB	Held-out images of reforestation in Guatemala. Used to evaluate generalization in space.
arctic	sea ice melt	im2im	sen2 -> sen2	random	19446	51 GB	Winter and Summer images of coastal areas in the Arctic, including generated sea ice masks. Not used in paper, but included to encourage visualization of the future Arctic.