The following is a description of all the files you have at hand.

- 1. **X_M_train.npy** and **X_BC_train.npy**: two **training** sets of 13800 RGB images of size 250x250x3 collected from two different locations on campus. The images are panoramic 360°.
- 2. {X_M_val.npy and X_BC_val.npy} and {X_M_test.npy and X_BC_test.npy}: validation and testing sets of 2957 and 2958 RGB images respectively size 250x250x3 collected from two different locations on campus. The images are panoramic 360°.
- 3. **common_time_train.npy**: time of the collected training images. So, the first element of the array **common_time_train.npy** corresponds to when the first image of **X_M_train** and of **X_BC_train** were collected.
 - Similarly for common time val.npy and common time test.npy
- 4. **ground_truth_train.npy**: measured GHI value at time of image collection. Example: the first element of this array is the GHI value collected at the first element in the array **common_time_train.npy**.
 - Similarly for ground truth val.npv and ground test.npv
- 5. labels_train.npy: GHI value 2 hours in advance from the time of image collection. In general, it will be a forward version (+2 hours) of the ground_truth_train. However, it won't always be the case as we stop collecting images at night so you don't have the ground_truth values at night and hence you won't be able to get the GHI value 2 hours in advance. That is why it is provided to you. Don't try to create these labels from the ground_truth data.
 - So, the first element in labels_train.npy is the GHI value that corresponds to the first element in common_time_train + hours, i.e.
- 6. **clear_sky_val.csv** (**train, val and test**): This the value of GHI if there were no clouds in the sky. This is a physical model that can be computed for years in advance
- 7. meteo data.csv (train, val and test): Many meteorological variables. Please check meteo data documentation.docx