HDF File Naming Convention

GLASS level-3 products are stored in HDF-EOS format, including twelve products, including LAI, Albedo, BBE, PAR, FPAR, DSR, LWNR, NR, LST, All-weather/Gap-free LST, T_a, FVC, ET, GPP, NPP, TPSCE, AGB, Snow-Free Blue-Sky Albedo Climatology, NDVI and EVI. The overall naming rules of HDF files for each product are as follows.

Basic format
GLASSXXNYY.VXX.AYYYYDDD.HRVPPV.YYYYDDD.hdf
Where GLASS represents The Global Land Surface Satellite (GLASS) Product. GLASS + variable number + spatial resolution + tile information + production date.

XX: variable number		
Number	**Abbr.**	**Full Name**
01	LAI	Leaf Area Index
02	Albedo	Surface Broadband Albedo
03	BBE	Broadband Emissivity
04	PAR	Photosynthetically Active Radiation
05	FAPAR	Fraction of Photosynthetically Active Radiation
06	DSR	Downward Shortwave Radiation
07	LWR	Surface Longwave Radiation
08	NR	Surface All-Wave Net Radiation
09	LST	Land Surface Temperature
10	All-Weather/Gap-Free LST	All-Weather/Gap-Free Land Surface Temperature
11	T_a	Land Surface Air Temperature
12	FVC	Fractional Vegetation Cover
13	ET	Evapotranspiration
14	GPP	Gross Primary Production
15	NPP	Net Primary Production
16	AGB	Global Forest Aboveground Biomass
17	TPSCE	Snow Cover Extent over the Tibetan Plateau
18		Snow-free Blue-sky Albedo Climatology
19	NDVI	Normalized difference vegetation index
20	EVI	Enhanced Vegetation Index

N: spatial resolution mark, specifically
GLASSXXAYY: 1 km spatial resolution
GLASSXXBYY: 0.05° spatial resolution
GLASSXXCYY: 5km spatial resolution
GLASSXXDYY: 250m spatial resolution
GLASSXXEYY: 500m spatial resolution
GLASSXXFYY: 0.01° spatial resolution
GLASSXXGYY: 0.5° spatial resolution
GLASSXXHYY: 0.1° spatial resolution
GLASSXXJYY: 0.25° spatial resolution

Y: data source
'01' means it is retrieved from MODIS data;
'02' means it is retrieved from AVHRR data.

VXX: product version
e.g., V40

AYYYYDDD
Year and Day of Year

HRVPPV
Tile information in sinusoidal projection, same as the MODIS level-3 products
HR: Horizontal Line Number
VP: Vertical Column Number
MODIS Sinusoidal Tiles: https://modis-land.gsfc.nasa.gov/MODLAND_grid.html
Note: HRRVPP is ignored when global products (e.g., 0.05 AVHRR-based products) are released

YYYYDDD
production date