

- A. The software provided with this NTR consists of two components: (i) the “water\_cloud\_mask” code that demonstrates how to access VIIRS water mask, cloud mask and imagery data and (ii) the “find\_scans and simulate” code that demonstrates how to register VIIRS image data to Landsat OLI or ETM+ image data.
- B. VIIRS data is currently available from two active satellites: the Suomi National Polar-orbiting Partnership (SNPP) satellite and the first Joint Polar Satellite System (JPSS) satellite. We refer to these sensors as SNPP VIIRS and J1 VIIRS, respectively. There are some minor differences between the data products from these two VIIRS sensors, as noted in the following table:

Data Product	File Name Prefix	
	SNPP VIIRS	J1 VIIRS
I-band observation data	VNP02IMG	VJ102IMG
M-band observation data	VNP02MOD	VJ102MOD
DNB observation data	VNP02DNB	VJ102DNB
I-band navigation data	VNP03IMG	VJ103IMG
M-band navigation data	VNP03MOD	VJ103MOD
DNB navigation data	VNP03DNB	VJ103DNB
Cloud mask data	CLDMSK_L2_VIIRS_SNPP	VJ135_L2

All data products are in netCDF (HDF5) format with the exception of the SNPP VIIRS cloud mask data product that is currently in HDF4 format (we expect that all data products will eventually be provided in netCDF format). The land/water mask data is embedded in the navigation data.