

File Type	Short Name	Description	Dimensions (#datasets)	Data Type	Data Range	Data Unit
ANC×7	VIIRS-ANC-Dig-Bath-Data-Mod-Gran	bathymetry	768×3200	Int16	-1100~200	(m)
	VIIRS-ANC-Nitr-Depl-Temp-Mod-Gran	nitrate depletion temperature	768×3200	Float32	271~313	(K)
	VIIRS-ANC-Preci-Wtr-Mod-Gran	precipitation	768×3200	Float32	0~130	(cm)
	VIIRS-ANC-Press-Surf-Mod-Gran	surface pressure	768×3200	Float32	300~1080	(hPa)
	VIIRS-ANC-Tot-Col-Mod-Gran	total column ozone	768×3200	Float32	0.08~0.65	(atm-cm)
	VIIRS-ANC-Wind-Direction-Mod-Gran	wind direction	768×3200	Float32	0~360	(degree)
	VIIRS-ANC-Wind-Speed-Mod-Gran	wind speed	768×3200	Float32	0~120	(m/s)
IP×3	VIIRS-Bright-Pixel-Mod-IP	bright pixel flags	16×768×3200	UInt8	flags	
	VIIRS-CM-IP	cloud mask	768×3200 (5) 768 (2) 1 (2)	UInt8 UInt8 UInt8	flags 0 or 1 0 or 1	unitless unitless
	VIIRS-OBC-IP	on-board calibrator IP	>100 datasets			
SDR×7	VIIRS-M1-FSDR	M1-band SDR in float format	>10 datasets			
	VIIRS-M2-FSDR	M2-band SDR in float format	>10 datasets			
	VIIRS-M3-FSDR	M3-band SDR in float format	>10 datasets			
	VIIRS-M4-FSDR	M4-band SDR in float format	>10 datasets			
	VIIRS-M5-FSDR	M5-band SDR in float format	>10 datasets			
	VIIRS-M6-FSDR	M6-band SDR in float format	>10 datasets			
	VIIRS-M7-FSDR	M7-band SDR in float format	>10 datasets			
GEO×1	VIIRS-MOD-GEO-TC	terrain-corrected geolocation file	>20 datasets			
EDR×1	VIIRS-SST-FEDR	SST EDR in float format	768×3200 (2)	Float32	265~320	(K)
			768×3200 (4)	UInt8	flags	
LUT×7	VIIRS-BP-FlagThreshold-LUT	bright pixel threshold	21×10	UInt8	0~15	unitless
			2 (padding) 21×10	UInt8 Float32	 0~0.1	 (% scatterd)
	VIIRS-OCC-AEROCOEFFS-LUT	aerosol	12×7×33×19×35×5 (2)	Float32	varies	
			35	Float32	1~75	(degree)
	VIIRS-OCC-AOPROP-LUT		75	Float32	0~180	(degree)
			7	Float32	412~865	(nm/wavelength)
			12×7	Float32	0.9295~1	unitless
			12×7	Float32	1.8376e-5~0.0885	unitless
			12×7×75	Float32	0.035~9.4143e3	unitless
			12×7×75 (2)	Float32	depends	unitless
			7×16	Float32	0.993~1.006	unitless
	VIIRS-OCC-DD-RAYLEIGH-CORR-LUT	Rayleigh correction	7×16	Float32	0.993~1.006	unitless
	VIIRS-OCC-DIFFUSE-LUT	diffuse	33×7×12	Float32	0~1.0	unitless
			33×7×12	Float32	0~0.33	unitless
VIIRS-OCC-POLAR-LUT	polarization	3×16×2×7 (2)	Float32	-0.1~0.1	unitless	
VIIRS-OCC-Rayleigh-LUT	Rayleigh	7	Float32	0.0156~0.3187	unitless	
		8	Float32	0.0296~0.4	unitless	
		7	Float32	0.0273~0.0296	unitless	
		45	Float32	0~88	(degree)	
		41	Float32	0~84.215	(degree)	
		7×8×45×3×41 7×8×45×3×41	Float32 Float32	-0.013~0.107 -0.066~0.027	unitless unitless	
Intx1	VIIRS-OCC-EDR-AC-Int	configurable parameters	>90 datasets			