

Comparison of C2/SNPP Vegetation Index data: VNP13A4N Vs. VNP13A1

Nov, 2024

QA Filtering:

- 0 –1: VI produced, good quality[00]; VI produced, but check other QA[01]
- 6 – 7 (Aerosol quantity): Low[01]; Average[10]
- 8 (Adjacent cloud): No [0]
- 10 (Mixed clouds): No [0]
- 11 – 13 (Land/Water Flag): Land (nothing else but land) [001]
- 14 (Possible snow/ice): No [0]
- 15 (Possible shadow): No [0]
- NDVI ≥ 0 and NDVI ≤ 10000 (Range: 0-1)

Accuracy of NRT Retrievals for NDVI/EVI: 2024/298

VNP13A4N (2024/298) Vs VNP13A1 (2024/297)

(Operational data used as truth)

ESDT	Science Data Set	Match (% Global)				Omission Error Npix (%)	Commission Error Npix (%)
		1%	2%	5%	10%		
VNP13A4N	NDVI	82	85	90	94	NA	NA
	EVI	81	83	87	91	NA	NA

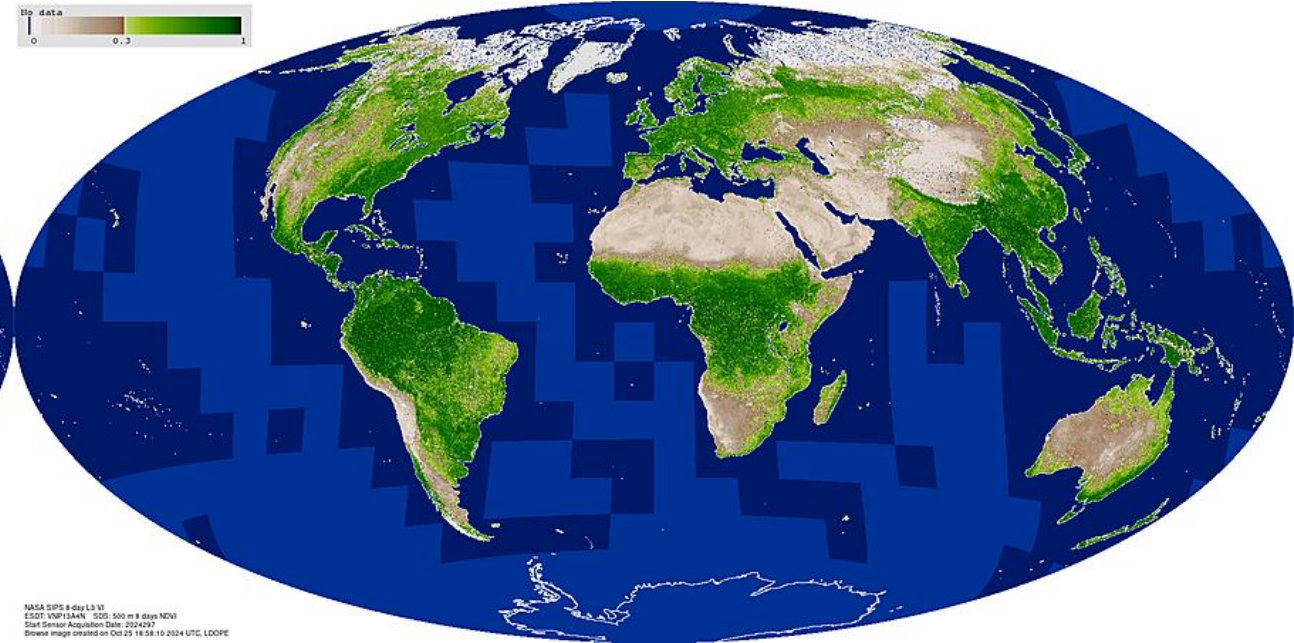
Match is the percentage of NRT retrievals that are within 1/2/5/10 % error margin when compared to operational data.

NDVI - VNP13A1 Vs VNP13A4N

OPS
2024/297



NRT
2024/297



Comparison of SNPP V2 Vegetation Index data: VNP13A4N Vs. MOD13A4N

Nov, 2024

Accuracy of NRT Retrievals for NDVI/EVI: 2024/298

VNP13A4N (2024/298) Vs MOD13A4N (2024/298)

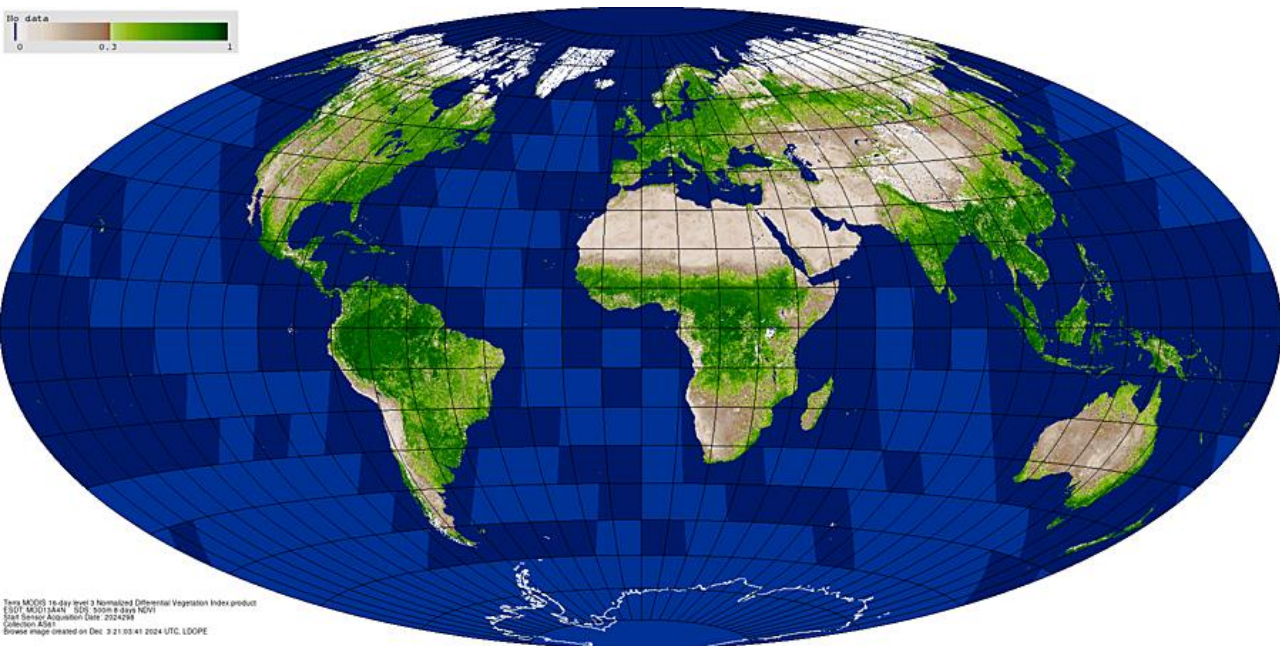
(Operational data used as truth)

ESDT	Science Data Set	Match (% Global)				Omission Error Npix (%)	Commission Error Npix (%)
		1%	2%	5%	10%		
VNP13A4N	NDVI	80	81	85	91	NA	NA
	EVI	79	80	82	87	NA	NA

Match is the percentage of NRT retrievals that are within 1/2/5/10 % error margin when compared to operational data.

NDVI- MOD13A4N Vs VNP13A4N

MODIS
2024/298



SNPP
2024/297

