

VHR2024 REF DELIVERY PACKAGE

Package: VHR2024_REF_PACKAGE_20241122.zip
Release : 22/11/2024

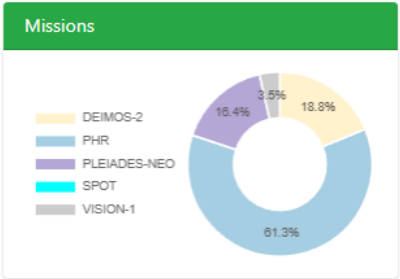
Package content

- **VHR2024 REF LAYERS:**
 - vhr2024_data_ref.gpkg
 - vhr2024_datastrip.gpkg
 - vhr2024_delivery_unit.gpkg
 - vhr2024_grid.gpkg
 - vhr2024_grid_remaining.gpkg
 - vhr2024_prod_data.gpkg
 - Vhr2024_prod_ref.gpkg
 - **VHR2024-REF-PACKAGE.qgz**
- VHR2024_DELIVERY_UNITS.pdf
 - Coverage percentage and fragmentation per delivery units
- VHR2024_CAMPAIGN_REPORT.pdf
 - detailed statistics

Coverage composition and percentage

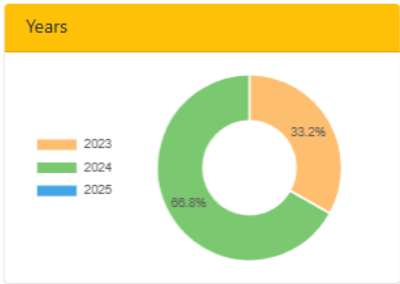
- ★ REF Coverage percentage achieved:
 - 5 722 138.54 sqkm
 - 90.18% GRID

MISSION	AREA (sqkm)	REF %
PHR	3 505 704.47	61.27
DEIMOS-2	1 077 986.26	18.84
PLEIADES-NEO	936 383.38	16.36
VISION-1	202 064.44	3.53

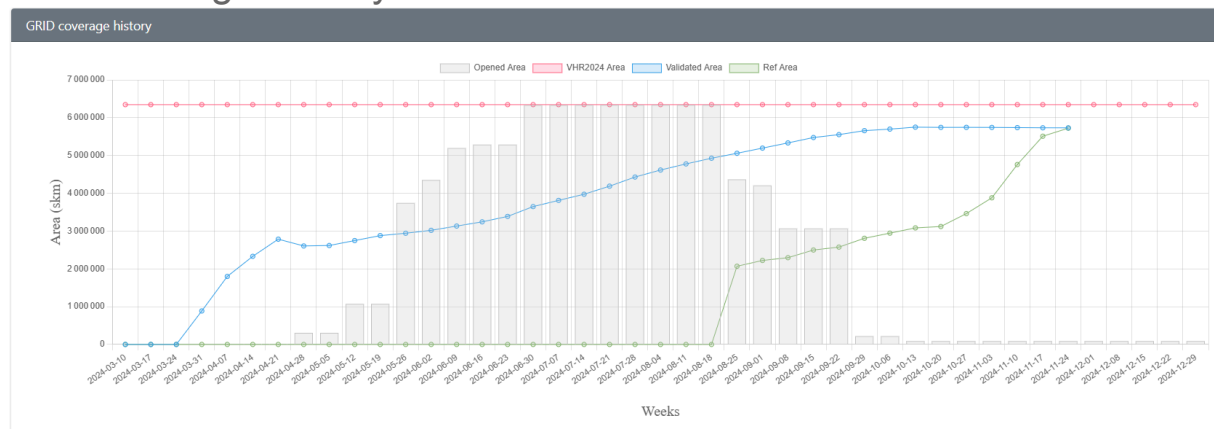


Main KPIs

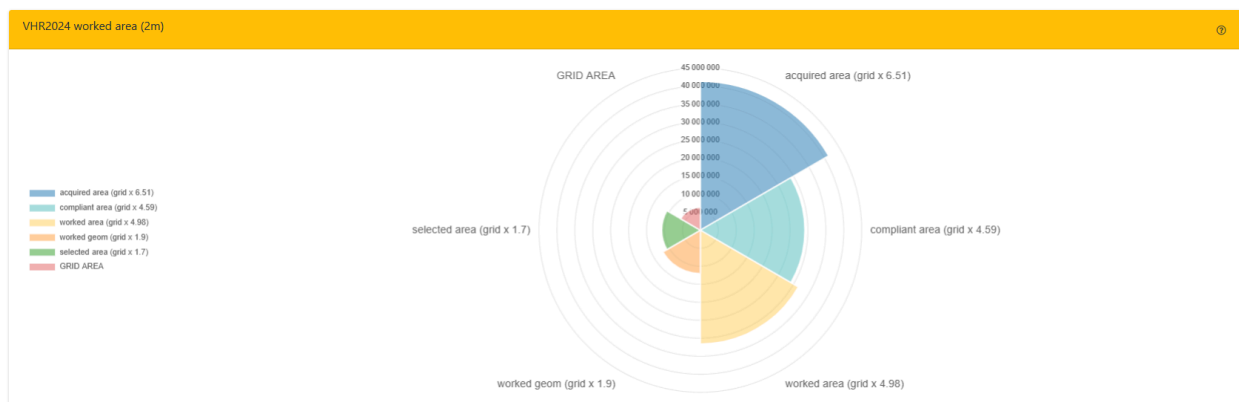
- ★ 2024 Acquisitions: 66.80% REF
- ★ Fragmentation median: 4.0
- ★ 2m native data: 77.63% REF
- ★ EU27+2 coverage: 91.14% GRID
- ★ Out of specification data: 8.85% GRID



Grid Coverage History

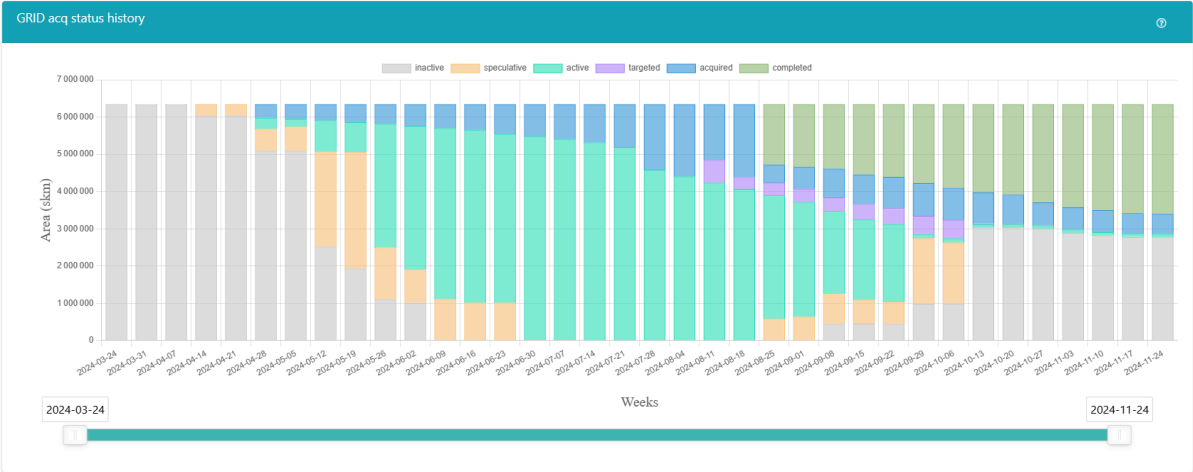


Worked Area



- **Grid Area:** total area of the VHR2024 grid (6 261 954.43 sqkm).
- **Acquired Area:** total of all acquired data area over the grid, regardless specifications, status or delineation ($6.51 * \text{Grid Area}$).
- **Compliant Area:** total of all acquired data area compliant with corresponding cell specifications ($4.59 * \text{Grid Area}$).
- **Worked Area:** total of all data area having at least one action done by operator (status and/or geometry modified: $4.98 * \text{Grid Area}$).
- **Worked Geometry:** total of all data area having at least one geometry modification done by operator (cloud/shadow/haze delineation: $1.9 * \text{Grid Area}$).
- **Selected Area:** total of all data finally retained by operator to be included in the REF layer ($1.7 * \text{Grid Area}$).

Acquisition status history



- **Inactive:** outside acquisition window and cell not covered.
- **Speculative:** 15 days before/after acquisition window and cell not covered.
- **Active:** inside acquisition window and cell not covered.
- **Targeted:** cell covered above minimum threshold
 - a. gap due to cloud: acq_status manually turned to acquired
 - b. gap due to missing data: tasking maintained.
- **Acquired:** cell covered with validated/verified acquisitions (worked by operators)
 - a. cell fully covered
 - b. cell covered above minimum cloud cover threshold.
- **Completed:** cell finalized with REF layer: fully covered or above minimum cloud cover threshold.

Production information

★ Expected products number: 39 693

MISSION	NUMBER	AREA (sqkm)
PHR	15 550	4 436 499.23
DEIMOS-2	14 658	1 502 745.53
PLEIADES-NEO	8 089	1 325 760.63
VISION-1	1 396	281 739.01
TOTAL	39 693	7 546 744.41

Layers and status description

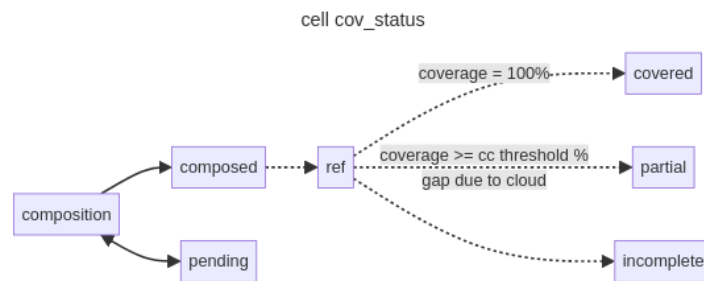
➤ Layers description: https://copernicus-vhr2024.intelligence-airbusds.com/wiki/vhr_layers/Layers.html

➤ Grid coverage status

cov_status

cloud cover threshold EU27+2: 98.4%

cov_status	description
composition	working cell
pending	cell pending any specific action
composed	cell ready for REF calculation
incomplete	REF calculated but cell not fully covered
partial	REF coverage above minimum cloud cover threshold
covered	Cell fully covered by REF



final coverage state

acq_status	cov_status	ref_prct	final state
completed	covered	100%	nominal
completed	partial	>= cc threshold % (gap due to cloud)	nominal
	incomplete	>= cc threshold % (gap due to missing data) < cc threshold %	incomplete