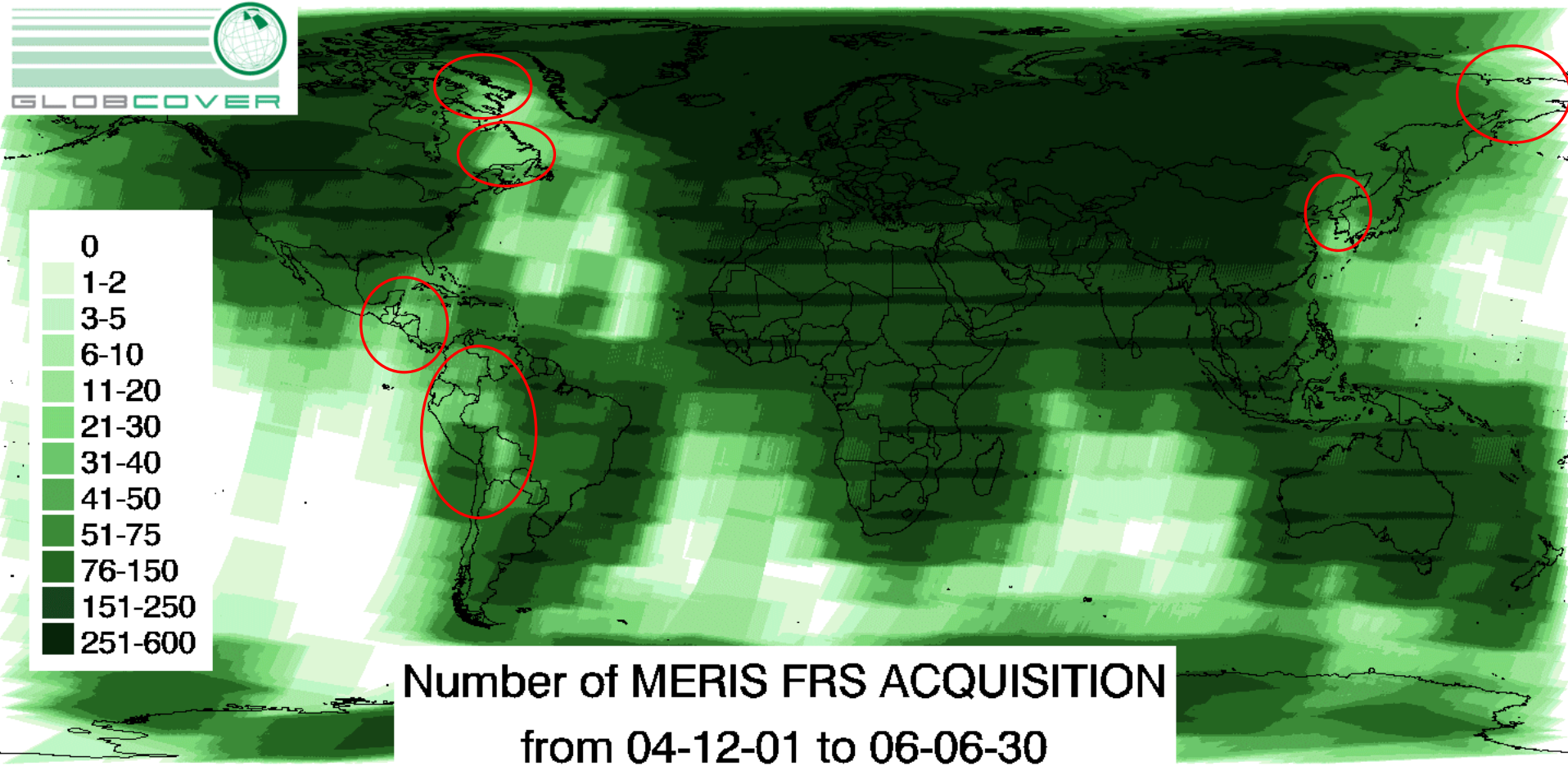
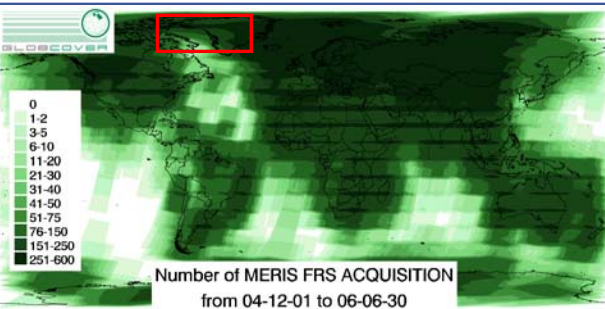


- Result of Previous review (CDR, QR, AR, SU...)
 - Reflectance composite Quality
 - ✓ Snow ⇒ V2
 - ✓ coastline
 - ✓ blue shade effect ⇒ V2
 - ✓ Singular Processing issue
 - Geo-location information reliability
 - ✓ Relative
 - ✓ Absolute
- New Input
 - External user's feedback = Missing area
- Main Input data = Annual composite
 - ✓ New product
 - ✓ Most valuable product in terms of coverage

- Missing areas = Key issue from user's feedbacks
- Density of MERIS FRS products over 1 year and Half





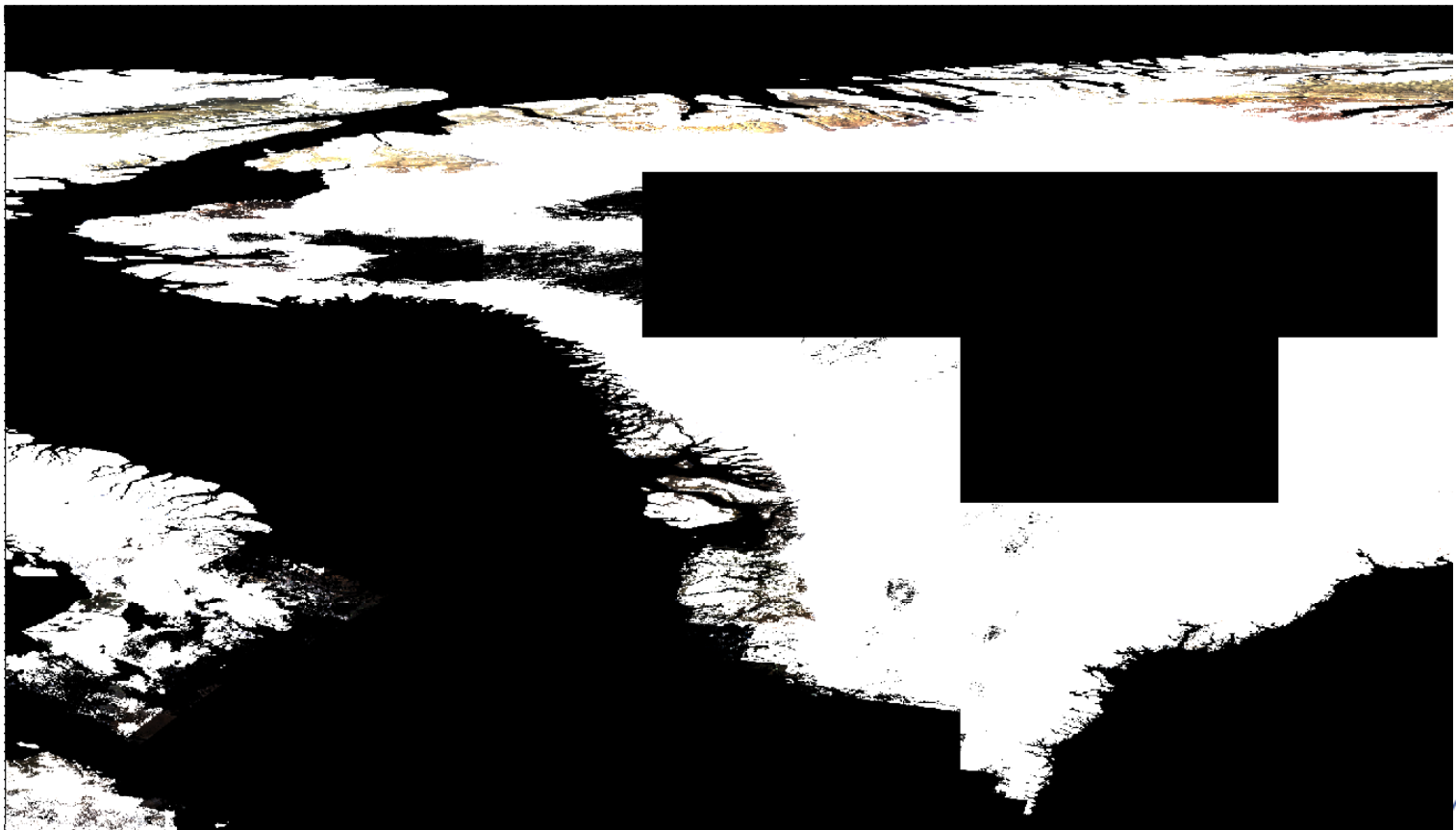
Effect	Status	
Snow	Y	
Blue Shade		N
Coastal		N
Singular issue	Y	
Missing Value	Y	

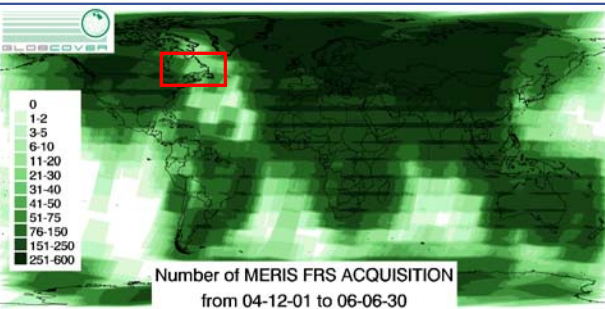
Annual
Composite

$R = 7$

$G = 5$

$B = 3$





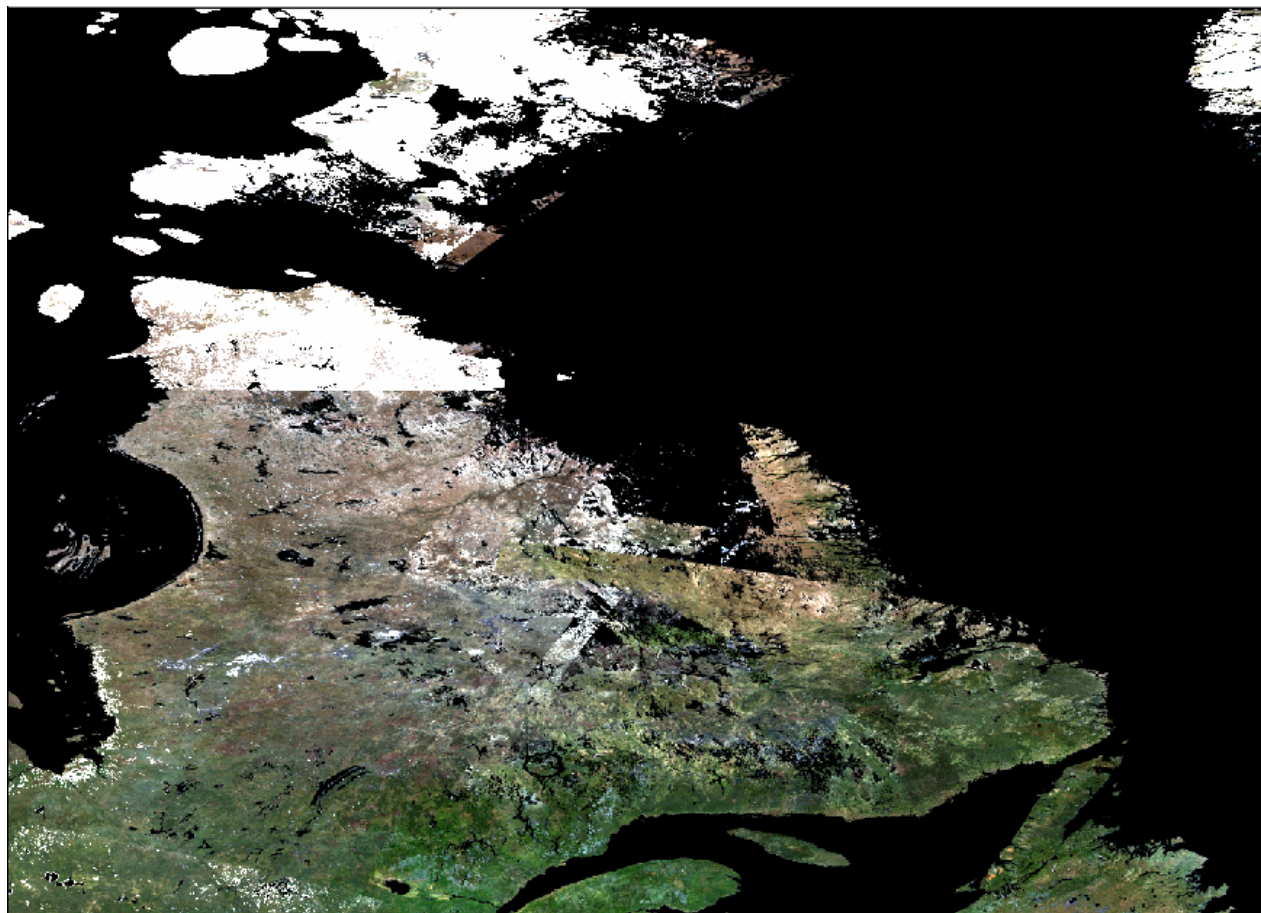
Effect	Status	
Snow	Y	
Blue Shade	Y	
Coastal		N
Singular issue	Y	
Missing Value	Y	

Annual
Composite

$R = 7$

$G = 5$

$B = 3$



Status	
	N

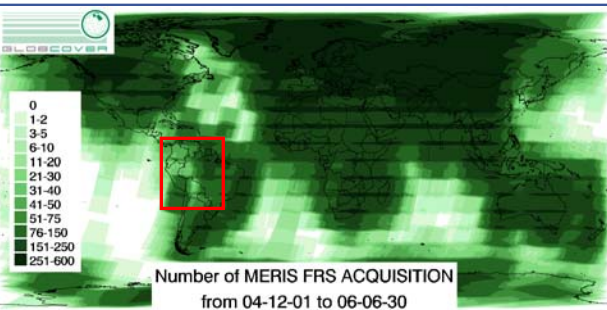


$R = 7$

$G = 5$

$B = 3$

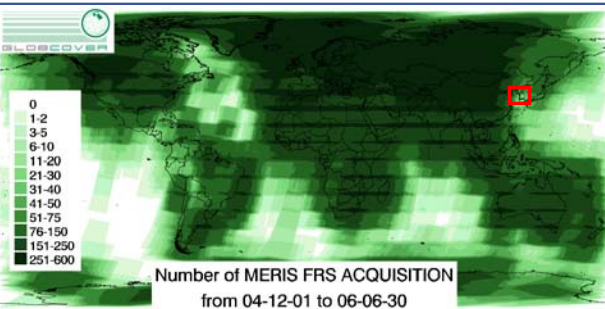




Annual Composite

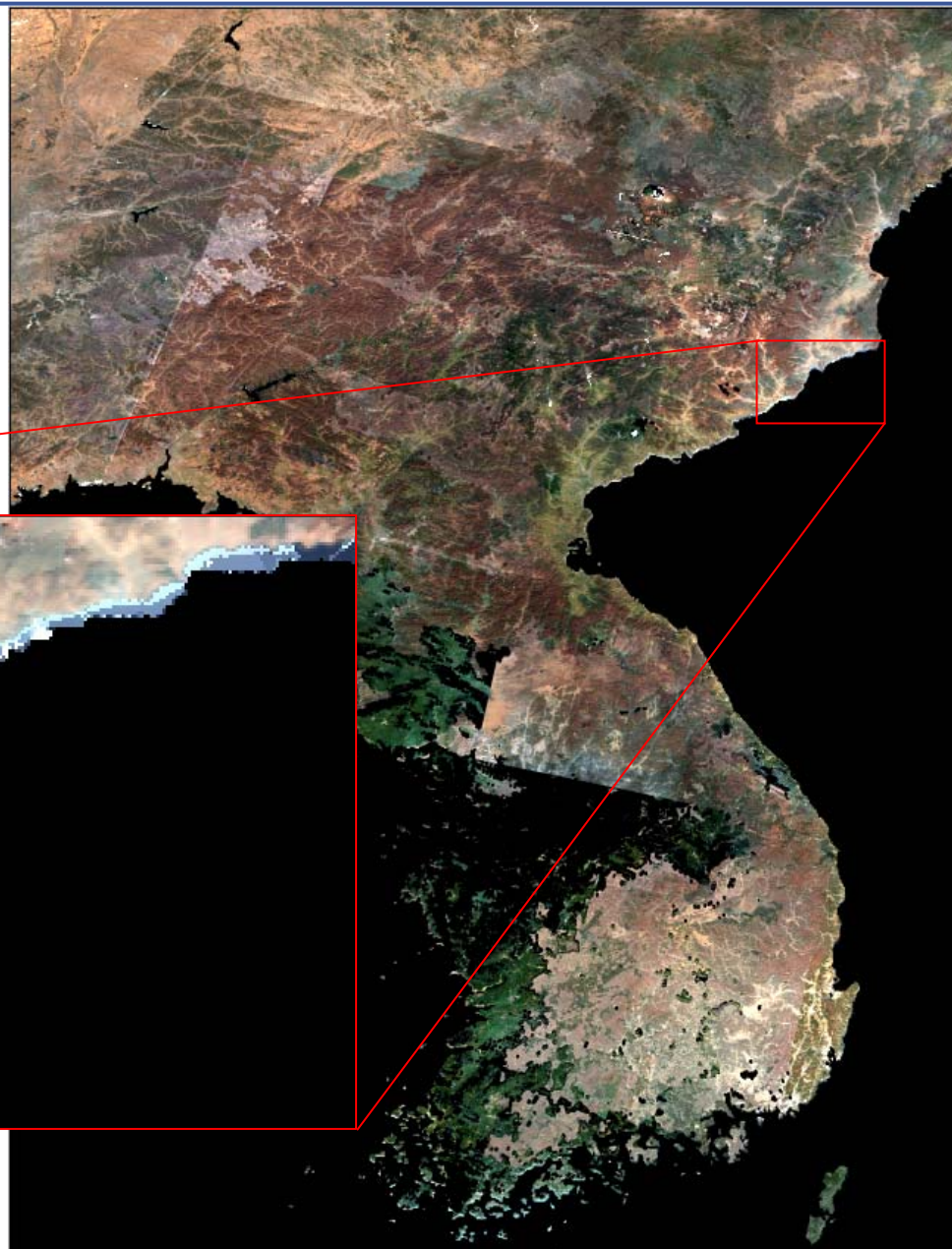
$R = 7, G = 5, B = 3$

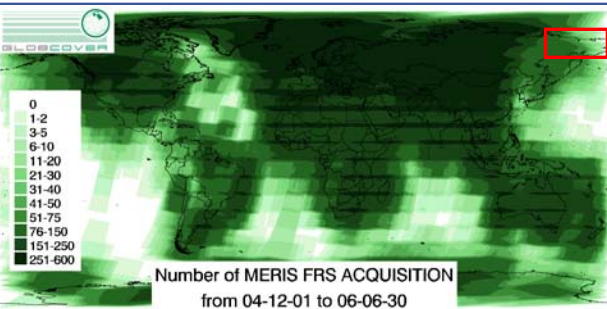




Annual Composite

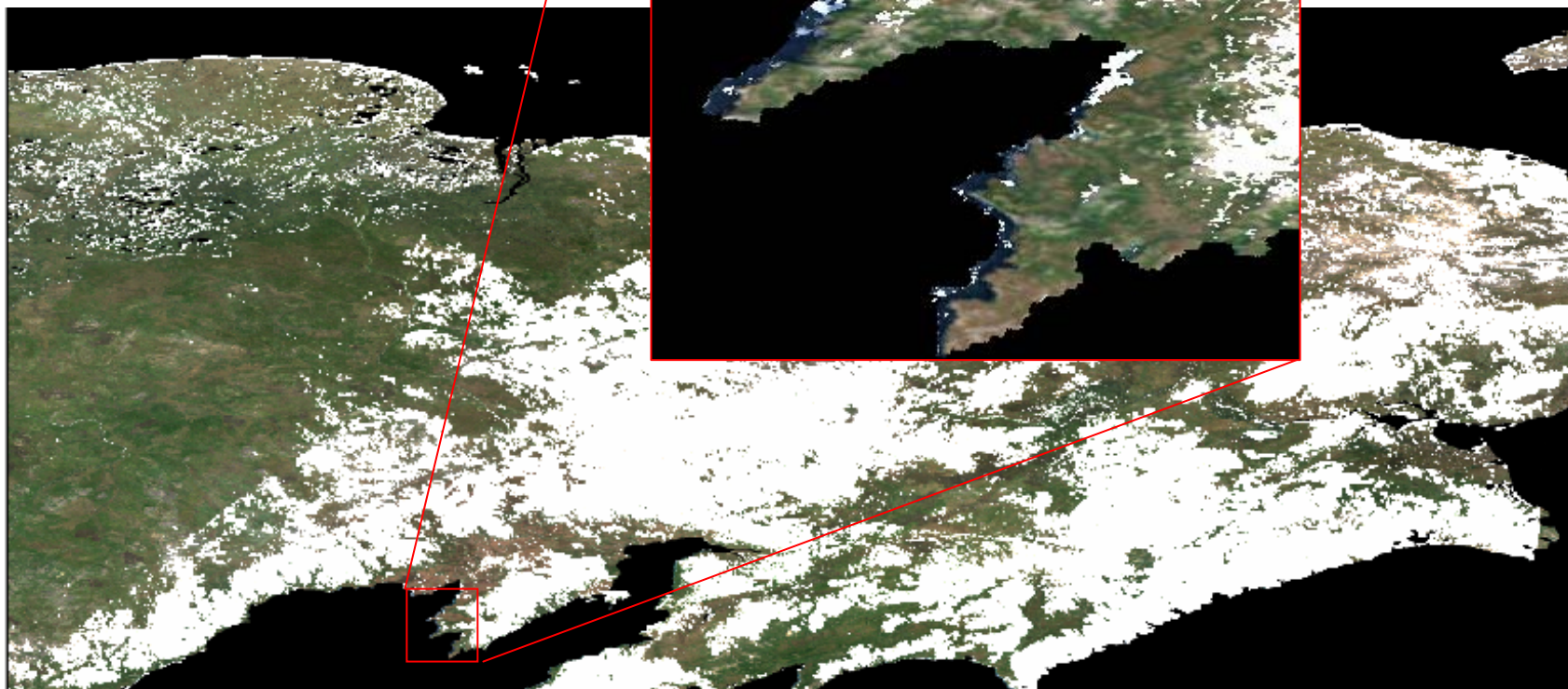
$R = 7, G = 5, B = 3$



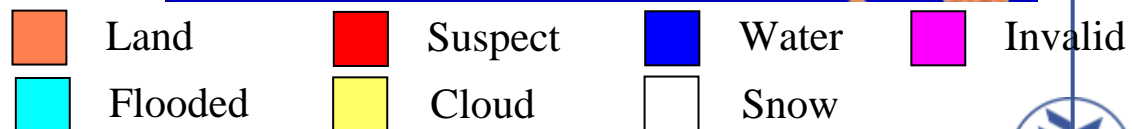
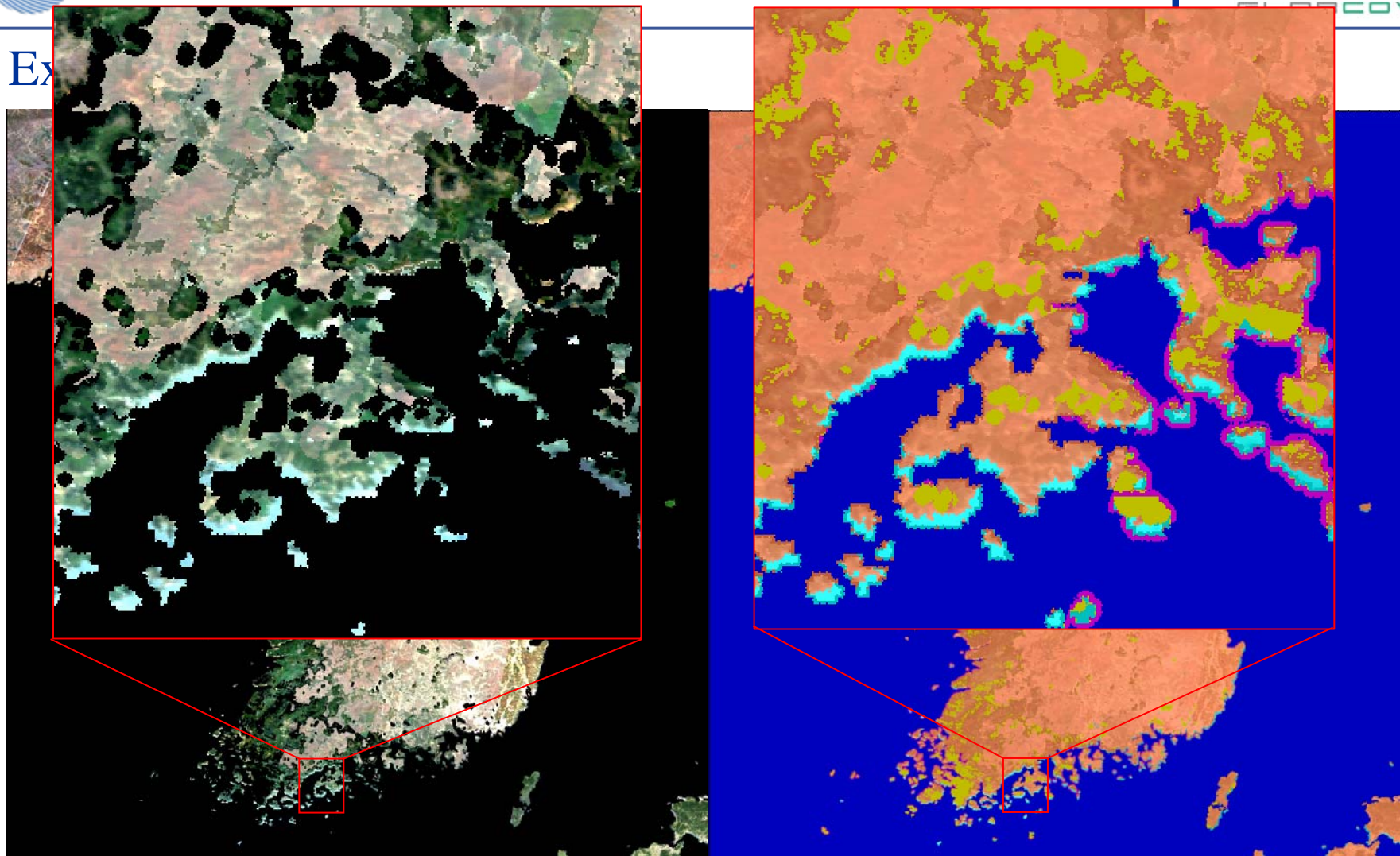


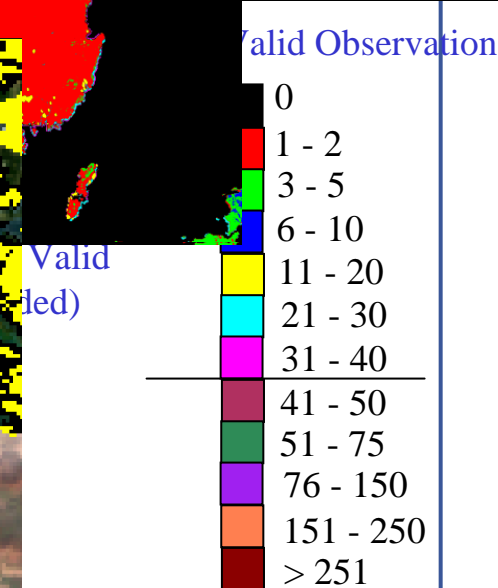
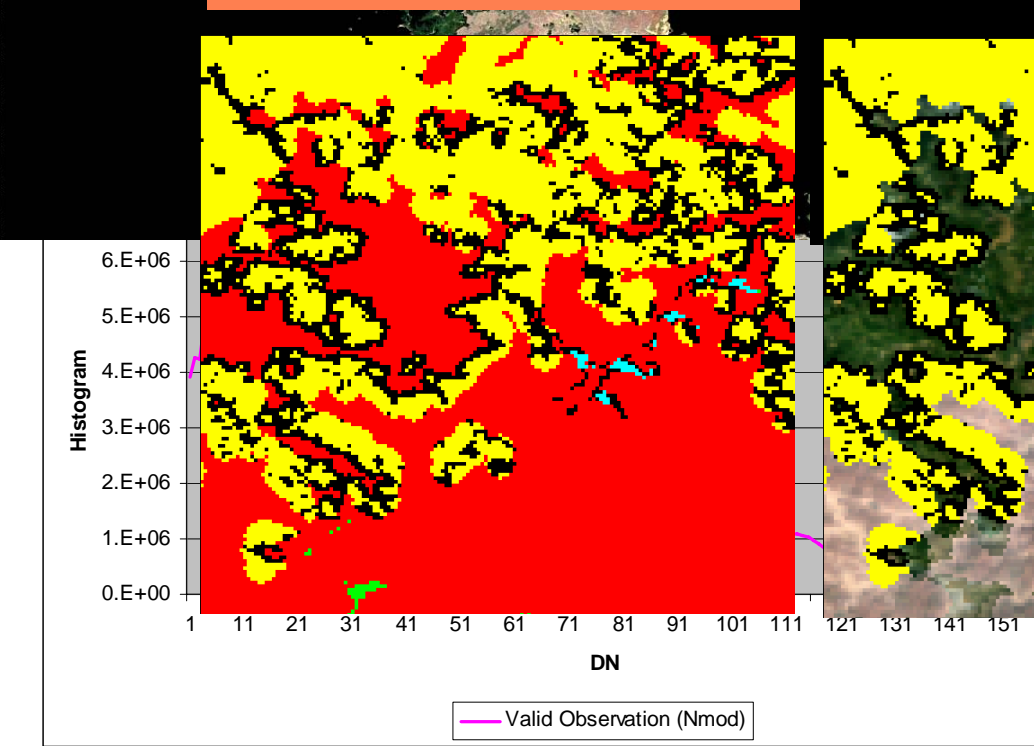
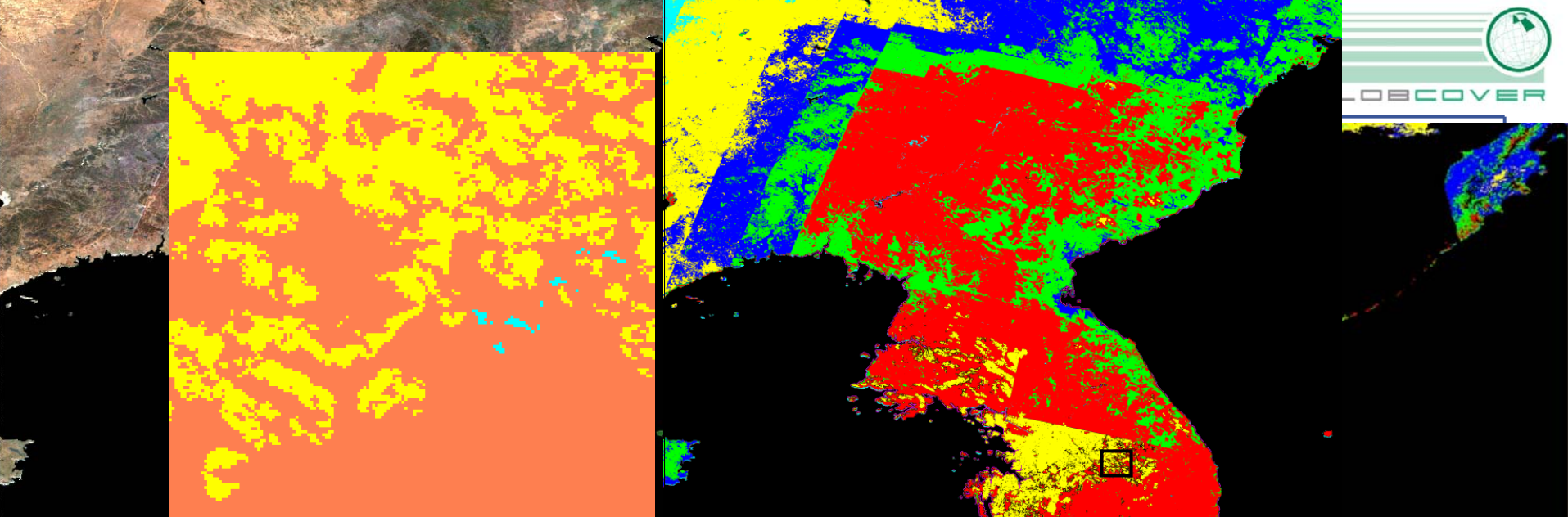
Annual Composite

$R = 7, G = 5, B = 3$



Ex





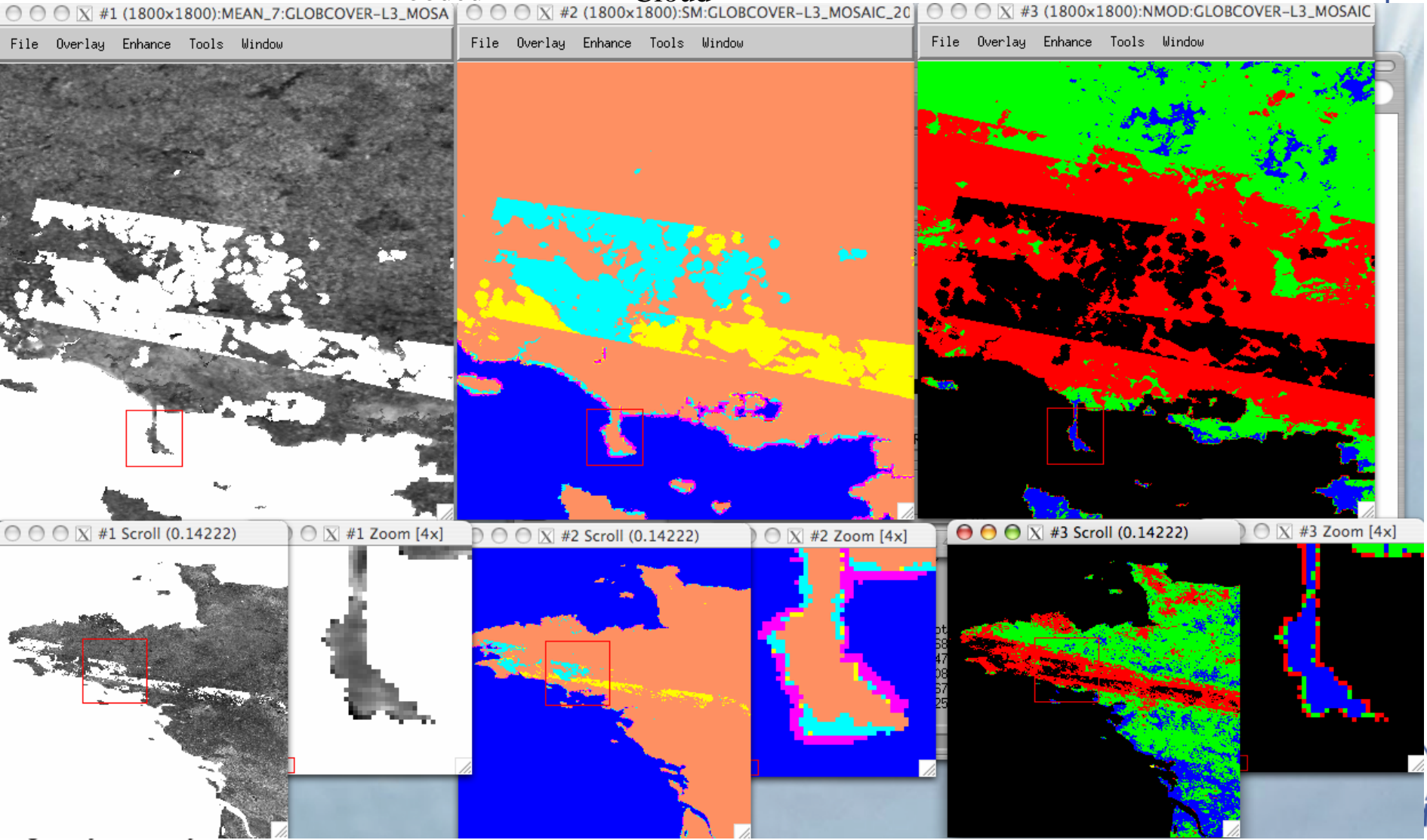
Tile H35V8 from MarchApril 2006

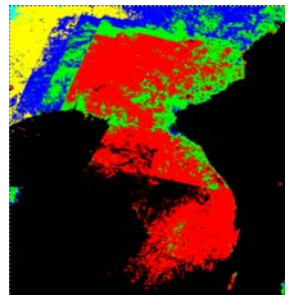
Land
Flooded

Invalid
Cloud

Water

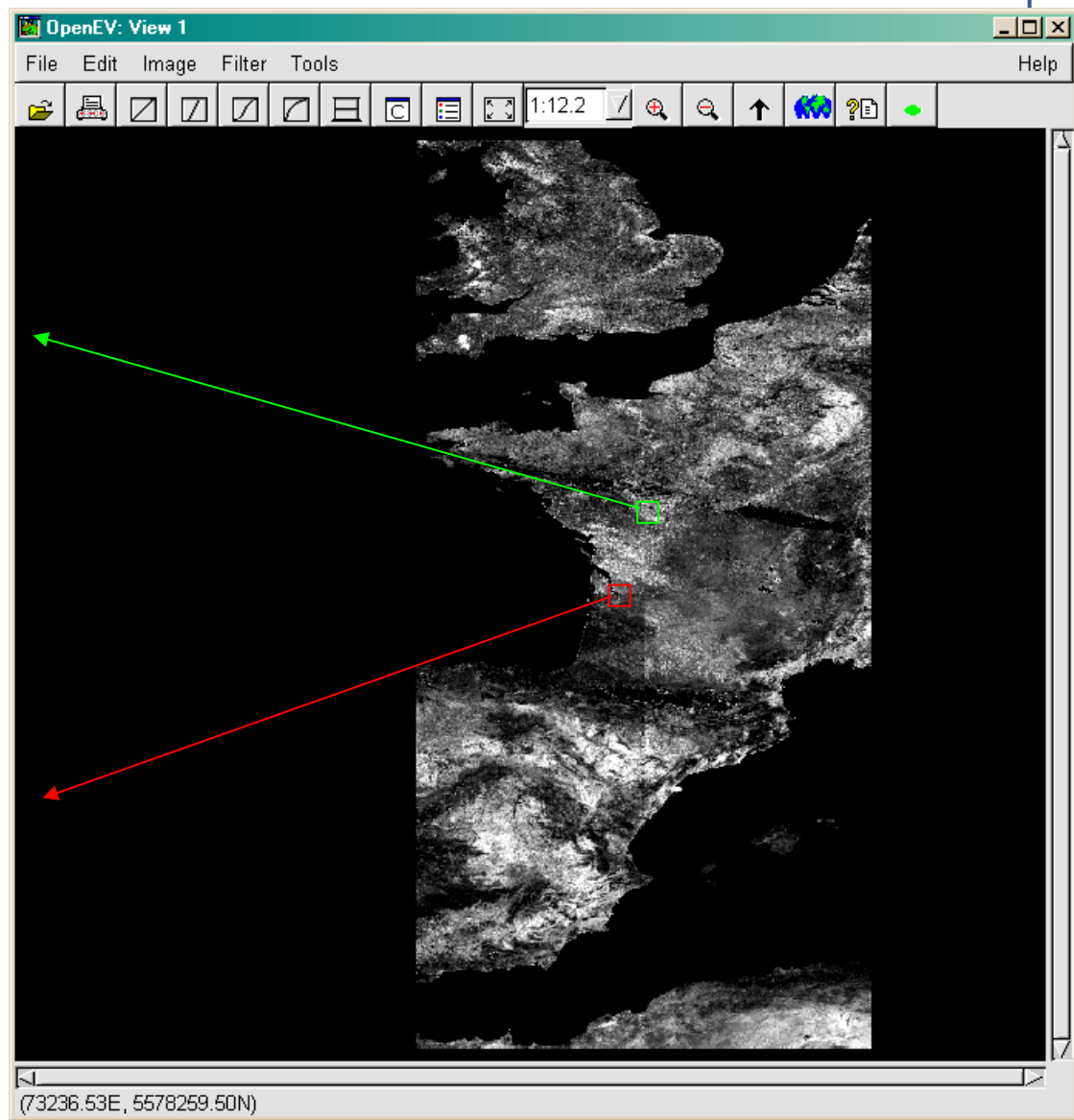
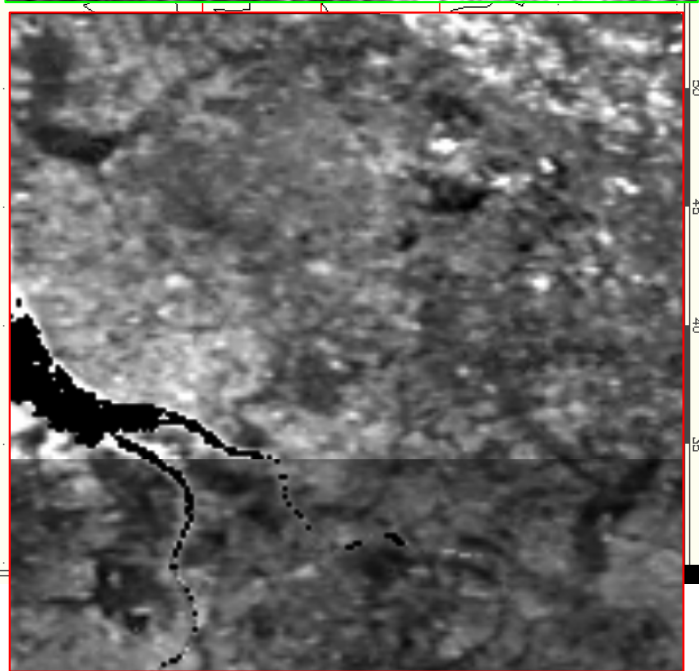
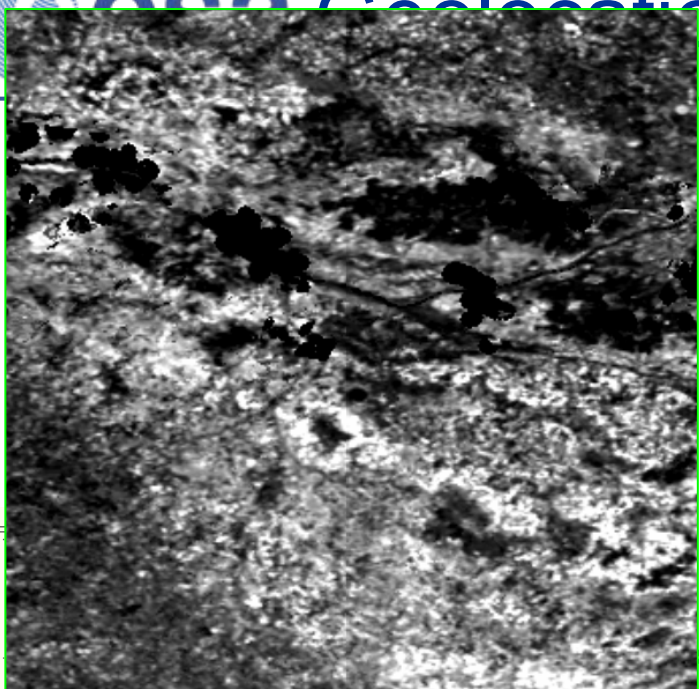
0
1 - 2
3 - 5
6 - 10



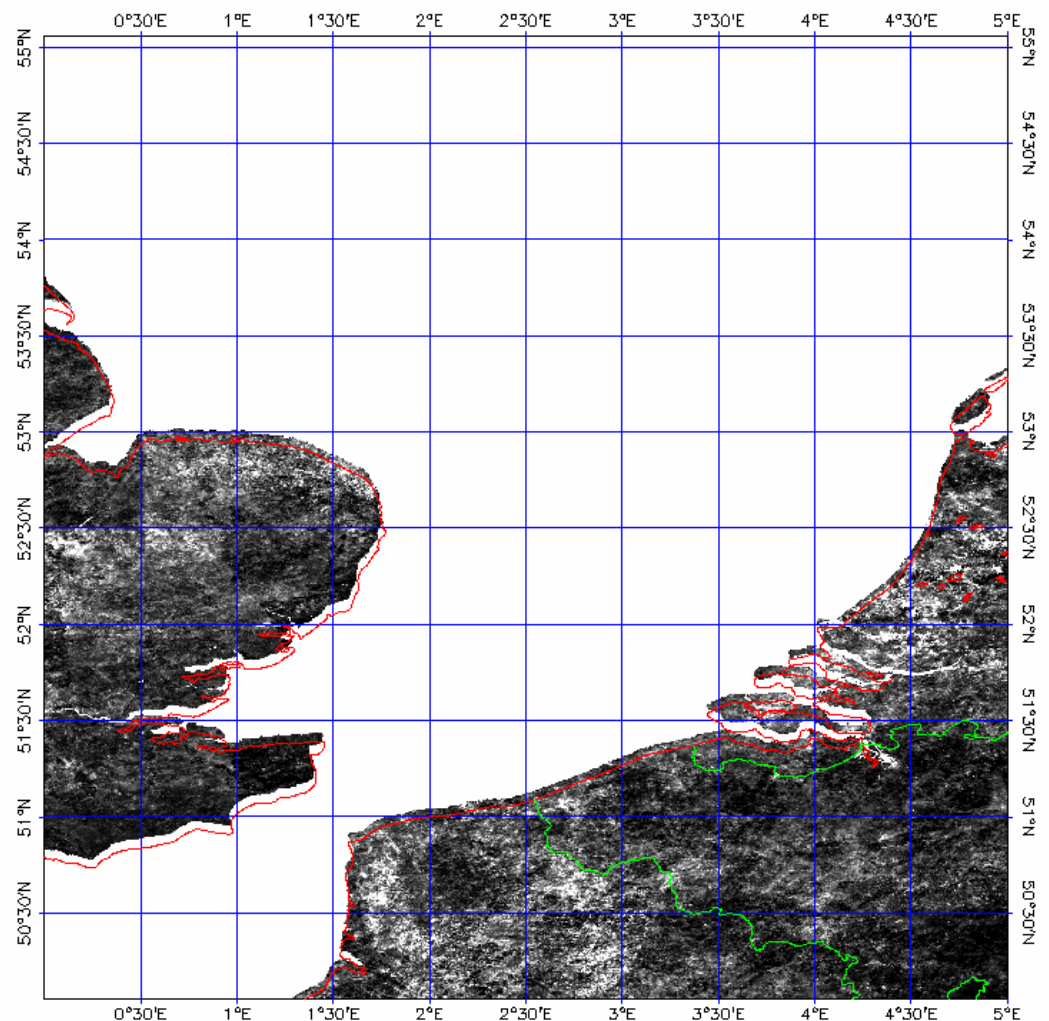
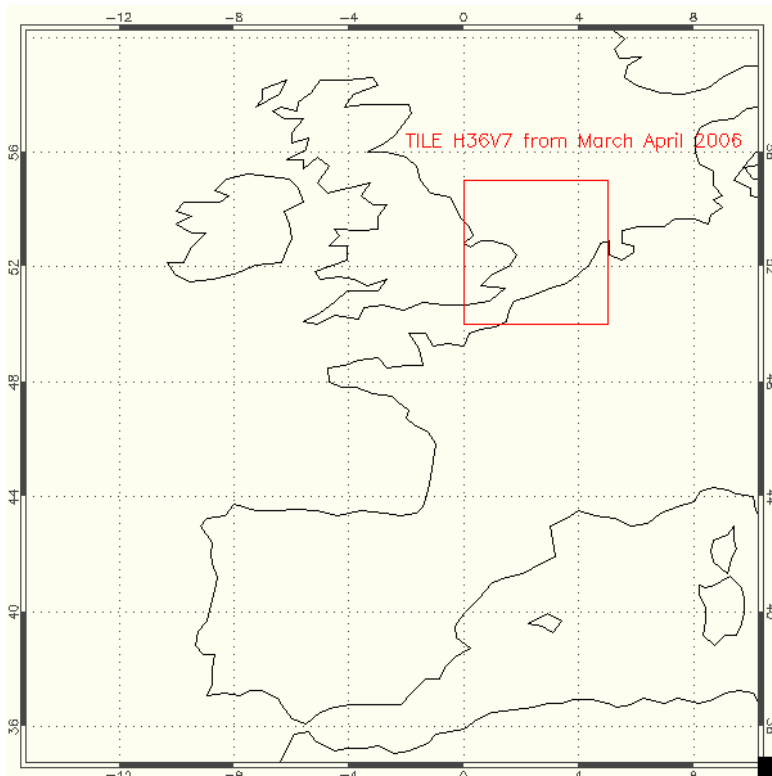


- Undesirable effect still exist
 - ✓ No Snow detected (or standard snow spectrum)
 - ✓ Blue shade effect
 - ✓ Coastline
 - ✓ Singular issue
 - Missing Area/Singular effect = low coverage
 - ✓ Nmod band shows that critical areas still exist
 - ✓ Status Map = info for No reflectance
 - ✓ Issue with SM = Land pixel but no reflectance, “misclassification”
- ⇒ Improvement for V2
- ✓ Reflectance value for Snow
 - ✓ Aerosol correction with LARS database
 - ✓ Coastline improvement (other land mask ...)
 - ✓ Low coverage = new strategy (ENVISAT acquisition plan, other data source as MERIS RR...)

Collection : Relative Accuracy



- Methodology
 - Tile H36V7 (band 7, March- April 2006)
 - Save in Geotiff
 - Overlaid a vector and grid lines



- Relative reliability :
 - ✓ Perfect matching
 - ✓ No boundary issue
- Absolute reliability
 - ✓ Minor shift observed but various source of error (geotiff, envi...)
 - ✓ Additional tests to be conducted
 - with larger dataset (Landsat ETM) for accuracy assessment
 - At different latitude
- Geolocation information
 - ✓ GridName CYCLOPE ? (Subliminal message)

```

HDFEOSVersion STRING 12 HDFEOS_V2.12
StructMetadata.0 STRING 32000 GROUP=SwathStructure
END_GROUP=SwathStructure
GROUP=GridStructure
  GROUP=GRID_1
    GridName="CYCLOPES"
    XDim=1800
    YDim=1800
    UpperLeftPointMtrs=(1113194.907933,5009377.085697)
    LowerRightMtrs=(1669792.361899,4452779.631731)
    Projection=GCTP_EQRECT
    ProjParams=(6378137,0,0,0,0,0,0,0,0,0,0)
    SphereCode=12
    GROUP=Dimension
    END_GROUP=Dimension
    
```

- Reflectance :

- Undesirable effects** (snow, blue shade, coastline)

- ⇒ Solved in V2 version

- Status map** (misclassification, “black” pixel)

- ⇒ Refinement of flags

- Low coverage** (missing area, virtual line...)

- ⇒ consequence in working with a single sensor (MERIS) over a specific and limited time window (2 month and 1 year)

- Geolocation

- ⇒ Additional tests needed in V2 version

- Future

- next output = Global Land Cover map

- Classification over critical areas = creation of a flag ?