WASP_raw.tif

eouser@jupyterhub-dc:~/DATA_CUBE_EXTRA/gdalinfo$ gdalinfo WASP_raw.tif

```
Driver: GTiff/GeoTIFF
Files: WASP_raw.tif
Size is 10980, 10980
Coordinate System is:
PROJCRS["WGS 84 / UTM zone 32N",
    BASEGEOGCRS["WGS 84",
        DATUM["World Geodetic System 1984",
            ELLIPSOID["WGS 84",6378137,298.257223563,
                LENGTHUNIT["metre",1]]],
        PRIMEM["Greenwich",0,
            ANGLEUNIT["degree",0.0174532925199433]],
        ID["EPSG",4326]],
    CONVERSION["UTM zone 32N",
        METHOD["Transverse Mercator",
            ID["EPSG",9807]],
        PARAMETER["Latitude of natural origin",0,
            ANGLEUNIT["degree",0.0174532925199433],
            ID["EPSG",8801]],
        PARAMETER["Longitude of natural origin",9,
            ANGLEUNIT["degree",0.0174532925199433],
            ID["EPSG",8802]],
        PARAMETER["Scale factor at natural origin",0.9996,
            SCALEUNIT["unity",1],
            ID["EPSG",8805]],
        PARAMETER["False easting",500000,
            LENGTHUNIT["metre",1],
            ID["EPSG",8806]],
        PARAMETER["False northing",0,
            LENGTHUNIT["metre",1],
            ID["EPSG",8807]]],
    CS[Cartesian,2],
        AXIS["(E)",east,
            ORDER[1],
            LENGTHUNIT["metre",1]],
```

AXIS["(N)",north,

ORDER[2],

LENGTHUNIT["metre",1]],

USAGE[

SCOPE["unknown"],

AREA["World - N hemisphere - 6°E to 12°E - by country"],

BBOX[0,6,84,12]],

ID["EPSG",32632]]

Data axis to CRS axis mapping: 1,2

Origin = (399960.000000000000000,6000000.000000000000000)

Pixel Size = (10.000000000000000,-10.000000000000000)

Metadata:

AREA_OR_POINT=Area

gml.root-instance=<?xml version="1.0" encoding="UTF-8" standalone="no" ?>

<gml:FeatureCollection xmlns:gml="http://www.opengis.net/gml" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.opengeospatial.net/gml http://schemas.opengis.net/gml/3.1.1/profiles/gmlJP2Profile/1.0.0/gmlJP2Profile.xsd">

<gml:boundedBy>

<gml:Null>withheld</gml:Null>

</gml:boundedBy>

<gml:featureMember>

<gml:FeatureCollection>

<gml:featureMember>

<gml:RectifiedGridCoverage dimension="2" gml:id="RGC0001">

<gml:rectifiedGridDomain>

<gml:RectifiedGrid dimension="2">

<gml:limits>

<gml:GridEnvelope>

<gml:low>1 1</gml:low>

<gml:high>10980 10980</gml:high>

</gml:GridEnvelope>

</gml:limits>

<gml:axisName>x</gml:axisName>

<gml:axisName>y</gml:axisName>

<gml:origin>

<gml:Point gml:id="P0001" srsName="urn:ogc:def:crs:EPSG::32632">
<gml:pos>399965 5999995</gml:pos>
</gml:Point>
</gml:origin>
<gml:offsetVector srsName="urn:ogc:def:crs:EPSG::32632">10 0</gml:offsetVector>
<gml:offsetVector srsName="urn:ogc:def:crs:EPSG::32632">0 -10</gml:offsetVector>
</gml:RectifiedGrid>
</gml:rectifiedGridDomain>
<gml:rangeSet>
<gml:File>
<gml:rangeParameters>
<gml:QuantityExtent uom="urn:ogc:def:crs:EPSG::32632">inapplicable inapplicable</gml:QuantityExtent>
</gml:rangeParameters>
<gml:fileName>gmljp2://codestream/0</gml:fileName>
<gml:fileStructure>Record Interleaved</gml:fileStructure>
</gml:File>
</gml:rangeSet>
<gml:coverageFunction>
<gml:GridFunction>
<gml:sequenceRule order="+x-y">Linear</gml:sequenceRule>
<gml:startPoint>1 10980</gml:startPoint>
</gml:GridFunction>
</gml:coverageFunction>
</gml:RectifiedGridCoverage>
</gml:featureMember>
</gml:FeatureCollection>
</gml:featureMember>

</gml:FeatureCollection>

Image Structure Metadata:
COMPRESSION=DEFLATE
INTERLEAVE=BAND
Corner Coordinates:
Upper Left (399960.000, 6000000.000) (7d28' 7.27"E, 54d 8'18.12"N)
Lower Left (399960.000, 5890200.000) (7d30'14.48"E, 53d 9' 6.40"N)

Upper Right (509760.000, 6000000.000) (9d 8'57.93"E, 54d 8'52.84"N)

Lower Right (509760.000, 5890200.000) (9d 8'45.51"E, 53d 9'39.90"N)

Center   (454860.000, 5945100.000) (8d19' 1.30"E, 53d39' 9.76"N)

Band 1 Block=512x512 Type=Int16, ColorInterp=Gray

  NoData Value=-10000

  Overviews: 5490x5490, 2745x2745, 1373x1373, 687x687, 344x344

MAJA_raw.tif

eouser@jupyterhub-dc:~/DATA_CUBE_EXTRA/gdalinfo$ gdalinfo MAJA_raw.tif

Driver: GTiff/GeoTIFF

Files: MAJA_raw.tif

Size is 10980, 10980

Coordinate System is:

PROJCRS["WGS 84 / UTM zone 32N",

    BASEGEOGCRS["WGS 84",

        DATUM["World Geodetic System 1984",

            ELLIPSOID["WGS 84",6378137,298.257223563,

                LENGTHUNIT["metre",1]]],

        PRIMEM["Greenwich",0,

            ANGLEUNIT["degree",0.0174532925199433]],

        ID["EPSG",4326]],

    CONVERSION["UTM zone 32N",

        METHOD["Transverse Mercator",

            ID["EPSG",9807]],

        PARAMETER["Latitude of natural origin",0,

            ANGLEUNIT["degree",0.0174532925199433],

            ID["EPSG",8801]],

        PARAMETER["Longitude of natural origin",9,

            ANGLEUNIT["degree",0.0174532925199433],

            ID["EPSG",8802]],

        PARAMETER["Scale factor at natural origin",0.9996,

            SCALEUNIT["unity",1],

            ID["EPSG",8805]],

        PARAMETER["False easting",500000,

            LENGTHUNIT["metre",1],

            ID["EPSG",8806]],

        PARAMETER["False northing",0,

```
        LENGTHUNIT["metre",1],
        ID["EPSG",8807]]],
    CS[Cartesian,2],
      AXIS["(E)",east,
        ORDER[1],
        LENGTHUNIT["metre",1]],
      AXIS["(N)",north,
        ORDER[2],
        LENGTHUNIT["metre",1]],
    USAGE[
      SCOPE["unknown"],
      AREA["World - N hemisphere - 6°E to 12°E - by country"],
      BBOX[0,6,84,12]],
    ID["EPSG",32632]]
Data axis to CRS axis mapping: 1,2
Origin = (399960.000000000000000,6000000.000000000000000)
Pixel Size = (10.000000000000000,-10.000000000000000)
Metadata:
  AREA_OR_POINT=Area
  gml.root-instance=<?xml version="1.0" encoding="UTF-8" standalone="no" ?>
<gml:FeatureCollection xmlns:gml="http://www.opengis.net/gml" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.opengeospatial.net/gml
http://schemas.opengis.net/gml/3.1.1/profiles/gmlJP2Profile/1.0.0/gmlJP2Profile.xsd">

  <gml:boundedBy>
    <gml:Null>withheld</gml:Null>
  </gml:boundedBy>

  <gml:featureMember>
    <gml:FeatureCollection>
      <gml:featureMember>
        <gml:RectifiedGridCoverage dimension="2" gml:id="RGC0001">
          <gml:rectifiedGridDomain>
            <gml:RectifiedGrid dimension="2">
              <gml:limits>
                <gml:GridEnvelope>
                  <gml:low>1 1</gml:low>
```

<gml:high>10980 10980</gml:high>
</gml:GridEnvelope>
</gml:limits>
<gml:axisName>x</gml:axisName>
<gml:axisName>y</gml:axisName>
<gml:origin>
<gml:Point gml:id="P0001" srsName="urn:ogc:def:crs:EPSG::32632">
<gml:pos>399965 5999995</gml:pos>
</gml:Point>
</gml:origin>
<gml:offsetVector srsName="urn:ogc:def:crs:EPSG::32632">10 0</gml:offsetVector>
<gml:offsetVector srsName="urn:ogc:def:crs:EPSG::32632">0 -10</gml:offsetVector>
</gml:RectifiedGrid>
</gml:rectifiedGridDomain>
<gml:rangeSet>
<gml:File>
<gml:rangeParameters>
<gml:QuantityExtent uom="urn:ogc:def:crs:EPSG::32632">inapplicable inapplicable</gml:QuantityExtent>
</gml:rangeParameters>
<gml:fileName>gmljp2://codestream/0</gml:fileName>
<gml:fileStructure>Record Interleaved</gml:fileStructure>
</gml:File>
</gml:rangeSet>
<gml:coverageFunction>
<gml:GridFunction>
<gml:sequenceRule order="+x-y">Linear</gml:sequenceRule>
<gml:startPoint>1 10980</gml:startPoint>
</gml:GridFunction>
</gml:coverageFunction>
</gml:RectifiedGridCoverage>
</gml:featureMember>
</gml:FeatureCollection>
</gml:featureMember>

</gml:FeatureCollection>

Image Structure Metadata:

COMPRESSION=DEFLATE

INTERLEAVE=BAND

Corner Coordinates:

Upper Left (399960.000, 6000000.000) (7d28' 7.27"E, 54d 8'18.12"N)

Lower Left (399960.000, 5890200.000) (7d30'14.48"E, 53d 9' 6.40"N)

Upper Right (509760.000, 6000000.000) (9d 8'57.93"E, 54d 8'52.84"N)

Lower Right (509760.000, 5890200.000) (9d 8'45.51"E, 53d 9'39.90"N)

Center (454860.000, 5945100.000) (8d19' 1.30"E, 53d39' 9.76"N)

Band 1 Block=512x512 Type=Int16, ColorInterp=Gray

NoData Value=-10000

Overviews: 3660x3660, 1220x1220, 407x407

MAJA_processed.tif

eouser@jupyterhub-dc:~/DATA_CUBE_EXTRA/gdalinfo$ gdalinfo MAJA_processed.tif

Driver: GTiff/GeoTIFF

Files: MAJA_processed.tif

Size is 10240, 10240

Coordinate System is:

PROJCRS["ETRS89 / UTM zone 32N",

BASEGEOGCRS["ETRS89",

DATUM["European Terrestrial Reference System 1989",

ELLIPSOID["GRS 1980",6378137,298.257222101,

LENGTHUNIT["metre",1]]],

PRIMEM["Greenwich",0,

ANGLEUNIT["degree",0.0174532925199433]],

ID["EPSG",4258]],

CONVERSION["UTM zone 32N",

METHOD["Transverse Mercator",

ID["EPSG",9807]],

PARAMETER["Latitude of natural origin",0,

ANGLEUNIT["degree",0.0174532925199433],

ID["EPSG",8801]],

PARAMETER["Longitude of natural origin",9,

ANGLEUNIT["degree",0.0174532925199433],

ID["EPSG",8802]],

PARAMETER["Scale factor at natural origin",0.9996,

```
        SCALEUNIT["unity",1],
        ID["EPSG",8805]],
      PARAMETER["False easting",500000,
        LENGTHUNIT["metre",1],
        ID["EPSG",8806]],
      PARAMETER["False northing",0,
        LENGTHUNIT["metre",1],
        ID["EPSG",8807]]],
    CS[Cartesian,2],
      AXIS["(E)",east,
        ORDER[1],
        LENGTHUNIT["metre",1]],
      AXIS["(N)",north,
        ORDER[2],
        LENGTHUNIT["metre",1]],
    USAGE[
      SCOPE["unknown"],
      AREA["Europe - 6°E to 12°E and ETRS89 by country"],
      BBOX[38.76,6,83.92,12]],
    ID["EPSG",25832]]
Data axis to CRS axis mapping: 1,2
Origin = (399960.000087204272859,5992600.003978723660111)
Pixel Size = (9.999999988175087,-9.999999988175087)
Metadata:
  AREA_OR_POINT=Area
  TIFFTAG_IMAGEDESCRIPTION=Subset_projected_Subset_SENTINEL2A_20200815-104608-626_L2A_T32UME_C_V1-2
  TIFFTAG_RESOLUTIONUNIT=1 (unitless)
  TIFFTAG_XRESOLUTION=1
  TIFFTAG_YRESOLUTION=1
Image Structure Metadata:
  INTERLEAVE=BAND
Corner Coordinates:
Upper Left  (  399960.000, 5992600.004) (  7d28'16.09"E, 54d 4'18.77"N)
Lower Left  (  399960.000, 5890200.004) (  7d30'14.48"E, 53d 9' 6.40"N)
Upper Right (  502360.000, 5992600.004) (  9d 2' 9.87"E, 54d 4'53.72"N)
Lower Right (  502360.000, 5890200.004) (  9d 2' 7.07"E, 53d 9'40.21"N)
```

Center (451160.000, 5941400.004) (8d15'41.88"E, 53d37' 8.85"N)

Band 1 Block=10240x10240 Type=Float32, ColorInterp=Gray

WASP_processed.tif

eouser@jupyterhub-dc:~/DATA_CUBE_EXTRA/gdalinfo$ gdalinfo WASP_processed.tif

Driver: GTiff/GeoTIFF

Files: WASP_processed.tif

Size is 10240, 10240

Coordinate System is:

```
PROJCRS["ETRS89 / UTM zone 32N",
    BASEGEOGCRS["ETRS89",
        DATUM["European Terrestrial Reference System 1989",
            ELLIPSOID["GRS 1980",6378137,298.257222101,
                LENGTHUNIT["metre",1]]],
        PRIMEM["Greenwich",0,
            ANGLEUNIT["degree",0.0174532925199433]],
        ID["EPSG",4258]],
    CONVERSION["UTM zone 32N",
        METHOD["Transverse Mercator",
            ID["EPSG",9807]],
        PARAMETER["Latitude of natural origin",0,
            ANGLEUNIT["degree",0.0174532925199433],
            ID["EPSG",8801]],
        PARAMETER["Longitude of natural origin",9,
            ANGLEUNIT["degree",0.0174532925199433],
            ID["EPSG",8802]],
        PARAMETER["Scale factor at natural origin",0.9996,
            SCALEUNIT["unity",1],
            ID["EPSG",8805]],
        PARAMETER["False easting",500000,
            LENGTHUNIT["metre",1],
            ID["EPSG",8806]],
        PARAMETER["False northing",0,
            LENGTHUNIT["metre",1],
            ID["EPSG",8807]]],
    CS[Cartesian,2],
        AXIS["(E)",east,
```

```
        ORDER[1],
        LENGTHUNIT["metre",1]],
      AXIS["(N)",north,
        ORDER[2],
        LENGTHUNIT["metre",1]],
    USAGE[
      SCOPE["unknown"],
      AREA["Europe - 6°E to 12°E and ETRS89 by country"],
      BBOX[38.76,6,83.92,12]],
    ID["EPSG",25832]]
Data axis to CRS axis mapping: 1,2
Origin = (399955.000087208696641,5992605.003978716209531)
Pixel Size = (9.999999988175087,-9.999999988175087)
Metadata:
  AREA_OR_POINT=Area
  TIFFTAG_IMAGEDESCRIPTION=Subset_projected_SENTINEL2X_20200115-000000-000_L3A_T32UME_C_V1-2_FRC_B2.tif_BandMath
  TIFFTAG_RESOLUTIONUNIT=1 (unitless)
  TIFFTAG_XRESOLUTION=1
  TIFFTAG_YRESOLUTION=1
Image Structure Metadata:
  INTERLEAVE=BAND
Corner Coordinates:
Upper Left  (  399955.000, 5992605.004) (  7d28'15.80"E, 54d 4'18.93"N)
Lower Left  (  399955.000, 5890205.004) (  7d30'14.21"E, 53d 9' 6.56"N)
Upper Right (  502355.000, 5992605.004) (  9d 2' 9.59"E, 54d 4'53.88"N)
Lower Right (  502355.000, 5890205.004) (  9d 2' 6.80"E, 53d 9'40.37"N)
Center      (  451155.000, 5941405.004) (  8d15'41.60"E, 53d37' 9.01"N)
Band 1 Block=10240x10240 Type=Float32, ColorInterp=Gray
```