

## VI ESDR File Specification

The processed Vegetation Indices and metadata are packaged into separated Scientific Data Sets (SDS) within a single HDF file. All SDS arrays are dimensioned [7200, 3600] to cover the globe at the 0.05° spatial resolution in a latitude/longitude Climate Modeling Grid (CMG).

### Data Set Characteristics

|                                    |                            |
|------------------------------------|----------------------------|
| Temporal Coverage                  | 1981 – 2010                |
| Area                               | Global                     |
| File Size                          | ~207 MB                    |
| Projection                         | Latitude/Longitude         |
| Data Format                        | HDF-EOS                    |
| Dimensions                         | 3600 x 7200 rows/columns   |
| Resolution                         | 0.05 degrees (5600 meters) |
| Science Data Sets (SDS HDF Layers) | 4                          |

### Scientific Data Sets

| Science Data Sets<br>(HDF Layers) (4) | UNITS               | BIT TYPE                 | FILL   | VALID<br>RANGE    | MULTIPLY BY<br>SCALE FACTOR |
|---------------------------------------|---------------------|--------------------------|--------|-------------------|-----------------------------|
| NDVI                                  | Vegetation<br>Index | 16-bit signed<br>integer | -15000 | -10000 -<br>10000 | 0.0001                      |
| EVI2                                  | Vegetation<br>Index | 16-bit signed<br>integer | -15000 | -10000 -<br>10000 | 0.0001                      |
| Q&A                                   | Bit Field           | 16-bit signed<br>integer | 0      | 0–65535           | NA                          |
| Rank                                  | Ordinal             | 8-bit signed<br>integer  | -2     | >-2               | NA                          |