

WARSC LS7 Metadata Template v1.0
DRAFT.5 - 1/29/02

This template is constructed as an MS Word 97 electronic form. Shaded fields are the attributes that will need to reflect specifics for LS7 scene being documented. See `template_example` for example responses/format for attributes. Please save completed form as a Word 97 document using the following file naming convention:

L7ppprrr_YYMMDDmeta.doc where:

L7 - Landsat 7 identifier
ppp - Starting path of the product
rrr - starting and ending rows of the product
YYYYMMDD - acquisition date of the image

Identification_Information:

Citation:

Citation_Information:

Originator: Washington State Remote Sensing Consortium (WARSC) - Olympia, WA
Publication_Date: 20020131
Title: WARSC Landsat 7 - TCL704702620000730 ** L7ppprrr_yyyymmdd -
see file name legend above**
Geospatial_Data_Presentation_Form: remote-sensing image
Online_Linkage: n/a

Description:

Abstract: This geometrically terrain-corrected LandSat7 image data set is made available through the Washington State Remote Sensing Consortium (WARSC). The data provided includes bands 1, 2, 3, 4, 5, 6, 7, 8 and 9. See Process Description for additional details.

Purpose: This specific dataset is one of seventeen scenes purchased and terrain corrected to create a statewide coverage of LandSat7 imagery from the year 2000 inventory.

Supplemental_Information:

The Landsat program provides a continuing stream of remote sensing data for monitoring and managing the Earth's resources. The launch of the Landsat-7 satellite on April 15, 1999, marks the addition of the latest satellite to the Landsat satellite series. Landsats 1, 2, and 3 carried the multispectral scanner (MSS) sensor and experimental return beam vidicon cameras. The Landsat-4 satellite carried the MSS and thematic mapper (TM) sensors as does the still currently flying Landsat-5 satellite. The sixth satellite in the Landsat series was unsuccessfully launched and did not achieve orbit. The Landsat-7 satellite carries the enhanced thematic mapper plus (ETM+) sensor. The launch of the Landsat-7 satellite is part of an ongoing mission to provide quality remote sensing data in support of research and applications activities.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20000730 (satellite image acquisition date - yyyymmdd
from Product Format Section - Center date & time)
Time_of_Day: 18:52:37.4083 (hh:mm:ss)
Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None Planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -124.52

East_Bounding_Coordinate: -121.28

North_Bounding_Coordinate: 49.89

South_Bounding_Coordinate: 47.83

Keywords:

Theme:

Theme_Keyword: Landsat 7

Theme_Keyword: Remote Sensing

Theme_Keyword: Satellite Images

Theme_Keyword: Imagery

Theme_Keyword: Infrared Imagery

Theme_Keyword: Thematic Mapper+

Theme_Keyword: TM

Theme_Keyword: Radiance

Theme_Keyword: Visible Imagery

Theme_Keyword: Raster

Theme_Keyword: ETM+

Theme_Keyword: Reflectance

Theme_Keyword:

Theme_Keyword:

Place:

Place_Keyword: Washington State

Place_Keyword: WA

Place_Keyword: USA

Place_Keyword: Canada

Place_Keyword: Clallam (county)

Place_Keyword: Island (county)

Place_Keyword: Jefferson (county)

Place_Keyword: San Juan (county)

Place_Keyword: Skagit (county)

Place_Keyword: Snohomish (county)

Place_Keyword: Whatcom (county)

Place_Keyword: Blaine (city)

Place_Keyword: Point Roberts (city)

Place_Keyword: Sumas (city)

Place_Keyword: Nooksack (city)

Place_Keyword: Bellingham (city)

Place_Keyword: Lummi Island (city)

Place_Keyword: Eastsound (city)

Place_Keyword: Rosario (city)

Place_Keyword: Roche Harbor (city)

Place_Keyword: Orcas (city)

Place_Keyword: Friday Harbor (city)

Place_Keyword: Anacortes (city)

Place_Keyword: Burlington (city)

Place_Keyword: Mount Vernon (city)

Place_Keyword: Oak Harbor (city)

Place_Keyword: Arlington (city)

Place_Keyword: Tulalip (city)

Place_Keyword: Marysville (city)

Place_Keyword: Langley (city)

Place_Keyword: (major feature)
Place_Keyword: (major feature)

Access_Constraints: No redistribution outside the Washington State Remote Sensing Consortium without Consortium written permission.

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Jeff Holm

Contact_Organization: Washington Department of Information Services

Contact_Position:

Washington State Geographic Information Council
Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 1110 SE Jefferson Street

Address: P.O. Box 42445

City: Olympia

State_or_Province: WA

Postal_Code: 98504-2445

Country: USA

Contact_Voice_Telephone: (360) 902.3447

Data_Set_Credit:

Washington State Remote Sensing Consortium and EROS Data Center

Security_Information:

Security_Classification: Unclassified

Browse_Graphic:

Browse_Graphic_File_Name: (url to browse graphic on web)

Data_Quality_Information:

Attribute Accuracy:

Attribute Accuracy Report: Nominal ground sample distances or pixel sizes include 30 meters each for the six visible, near-infrared, and shortwave infrared bands, 60 meters for the thermal infrared band, and 15 meters for the panchromatic band.

Logical Consistency Report: Landsat-7 data are collected from a nominal altitude of 705 kilometers in a near-polar, near-circular, Sun-synchronous orbit at an inclination of 98.2 degrees, imaging the same 183-km swath of the Earth's surface every 16 days.

Completeness Report: The orbital pattern equates to a 233-orbit cycle with a swath sidelap that varies from approximately 7 percent at the Equator to nearly 84 percent at 81 degrees north or south latitude. The Landsat scenes are mapped to a global notation system called the Worldwide Reference System (WRS), annotating the nominal scene center of Landsat imagery using Path and Row designators.

Positional Accuracy:

Horizontal Positional Accuracy:

Horizontal Positional Accuracy Report:

Number of EROS QA Control Points 9 ; RMS Along Track 8.82m; RMS Across Track 11.92m; RMS Combined 14.83 - See summary report at (link/url to 'work order report on CD) - See WARSC QA/QC report at (link/url to QA/QC report on CD)

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: USGS/EROS Data Center in Sioux Falls, SD
Publication_Date: 2000 07 30 (satellite image acquisition date -
yyyymmdd)
Publication_Time: 18:52:37.4083 (satellite image acquisition time
- hh:mm:ss)
Title: EROS Data Center Landsat 7 Imagery LE7047026000021250 (EROS
entity ID)
Source_Scale_Denominator: Resolution 30 m
Type_of_Source_Media: CD-ROM

Source_Information:

Source_Citation:

Citation_Information:

Originator: Washington State Department of Natural Resources -
Olympia, WA
Publication_Date: (DEM publication date - yyyymmdd)
Title: Washington State 30 meter DEM (resampled from USGS 10m DEM)
Source_Scale_Denominator: Resolution 30 m

Process_Step:

Process_Description: This geometrically terrain corrected data product was
created using EROS Data Center's National Landsat Archives Program L1T
processing. Terrain correction utilized WA Department of Natural Resources 30
meter DEM (resampled from USGS 10 meter DEM). Metadata about these 10 meter DEMs
can be accessed through <<http://edcwww.cr.usgs.gov/webglis/index.html>>.
Resampling method was cubic convolution. EROS delivered data in NDF/BSQ format,
WARSC reformatted for delivery in GEOTIFF. For details regarding the general
NLAPS process please see <<http://edcwww.cr.usgs.gov/glis/hyper/guide/nlaps.html>>
.For specifics about this data product please see summary of processing history
report (also referred to as Work Order Report) at or full Processing
History Report at (link to Processing History Report)

Process_Date: 2001 10 25 (NLAPS process date)

Process_Time: 11:49:53 (NLAPS process time)

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: EROS Data Center Customer Service

Contact_Organization: EROS Data Center

Contact_Position:

Contact_Voice_Telephone: 605-594-6151

Contact_Electronic_Mail_Address: custserv@usgs.gov

Cloud_Cover: <= 10

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Raster

Raster_Object_Information:

Raster_Object_Type: Pixel

Row_Count: 7408

Column_Count: 7786

Vertical_Count: 9

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Grid_Coordinate_System:

Grid_Coordinate_System_Name: State Plane Coordinate System 1983

State_Plane_Coordinate_System:

SPCS_Zone_Identifier: 4602

Planar_Coordinate_Information:

Planar_Coordinate_Encoding_Method: row and column

Coordinate_Representation:

Abscissa_Resolution: 30

Ordinate_Resolution: 30

Planar_Distance_Units: meters

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983

Ellipsoid_Name: NAD83

Distribution_Information:

Distributor:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Jeff Holm

Contact_Organization: Washington Department of Information Services

Contact_Position:

Washington State Geographic Information Council

Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 1110 SE Jefferson Street

Address: P.O. Box 42445

City: Olympia

State_or_Province: WA

Postal_Code: 98504-2445

Country: USA

Contact_Voice_Telephone: 360.902.3447

Distribution_Liability: Although these data have been processed successfully on a computer system at the USGS, no warranty expressed or implied is made by the USGS or WARSC regarding the use of the data on any other system, nor does the act of distribution constitute any such warranty. The WARSC will warrant the delivery of this product in source computer-readable format and will offer replacement CD when the physical medium is delivered in damaged condition. Requests for adjustment of credit must be made within 30 days from the date of this shipment from the order site.

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: (in megabytes)

Metadata_Reference_Information:

Metadata_Date: 20020111

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization:

Washington State Remote Sensing Consortium

Contact_Person: Jeff Holm

Contact_Position:

Contact_Address:

Contact_Voice_Telephone: 360.902.3447

Metadata_Standard_Name:

FGDC Content Standards for Digital Geospatial

Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time