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=====
011011003018400003 PROCESSING HISTORY
=====
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=====
/usr1/nlaps/RT/productorders/011011003018400003.po:
=====
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```
{
  InputParams =
  {
    satellite = "Landsat-7";
    sensor = "ETM+";
    AOS_time = "2000 07 30 18:53:00";
    inputDatasetId =
"/diskIngest2/temp/011011003018400003/L72EDC190021218010_HDF.012961757";
    inputMediaType = "Disk";
    inputDataFormat = "L0Rp";
  }
  ControlParams =
  {
    type = "Correction";
    orderId = "011011003018400003";
    priority = 3L;
    specialInstructions = "AV WASHINGTON:USE CUSTOMER-SUPPLIED DEM";
  }
  Inspection =
  {
    viewInput = FALSE;
    viewOutput = FALSE;
    geometricQA = TRUE;
  }
  OutputProductParams =
  {
    productFormat = "NDF";
    bandSelection = "123456789";
    distributionMediaType = "Disk";
    exportDemWithProduct = FALSE;
  }
  iccHeader =
  {
    messageType = "PGS_ORDER";
    originator = "DORRAN";
    originatorAddress = "edcsgs11.cr.usgs.gov";
    recipient = "PGS";
    creationTime = 1003800161L;
    messageId =
"/usr1/nlaps/RT/icc/incoming/target/DORRAN_PGS_01101100301843.PGS_ORDER";
    monitorId = "0_35971443";
  }
  CorrectionParams =
  {
    correctionLevel = "Precision Geocorrection";
    productOrientation = "Map North";
    forceManualMarking = TRUE;
    createSCPs = FALSE;
    mapParams =
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{
  name = "SPCS";
  projectionCode = 2L;
  projectionParams =
  [
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
  ]
  zoneNumber = 4602L;
}
earthEllipsoid = "NAD83";
resamplingKernel = "CC";
productFramingMethod = "Path Row";
path = 47L;
row = 2.7000000000000000e+01;
lineSpacing = 3.0000000000000000e+01;
pixelSpacing = 3.0000000000000000e+01;
scanGapCorrection = TRUE;
etm+PanAtDoubleResolution = TRUE;
etm+ThermalAtHalfResolution = TRUE;
radiometricCorrection =
{
  method = "NASA";
  despiking = FALSE;
}
elevationCorrection = "Fine DEM";
demInfo =
[
  {
    format = "LAS";
    mediaType = "Disk";
    mediaId = "/dem_data/DEM/washingtonDem";
    fileName = "washcanus_elev2";
  }
]
mapInfo =
[
  {
    name = "ABERDEEN";
    state = "WA";
    centerLatitude = 4.6937500000000000e+01;
    centerLongitude = -1.2381250000000000e+02;
    scale = "24000";
  }
]

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{
  name = "ANGELES POINT";
  state = "WA";
  centerLatitude = 4.818750000000000e+01;
  centerLongitude = -1.235625000000000e+02;
  scale = "24000";
}
{
  name = "BLUE MOUNTAIN";
  state = "WA";
  centerLatitude = 4.681250000000000e+01;
  centerLongitude = -1.234375000000000e+02;
  scale = "24000";
}
{
  name = "BREMERTON EAST";
  state = "WA";
  centerLatitude = 4.756250000000000e+01;
  centerLongitude = -1.225625000000000e+02;
  scale = "24000";
}
{
  name = "BUNCH LAKE";
  state = "WA";
  centerLatitude = 4.756250000000000e+01;
  centerLongitude = -1.236875000000000e+02;
  scale = "24000";
}
{
  name = "CARLSBORG";
  state = "WA";
  centerLatitude = 4.806250000000000e+01;
  centerLongitude = -1.231875000000000e+02;
  scale = "24000";
}
{
  name = "CHIMNEY PEAK";
  state = "WA";
  centerLatitude = 4.768750000000000e+01;
  centerLongitude = -1.234375000000000e+02;
  scale = "24000";
}
{
  name = "COPALIS CROSSING";
  state = "WA";
  centerLatitude = 4.706250000000000e+01;
  centerLongitude = -1.240625000000000e+02;
  scale = "24000";
}
{
  name = "DESTRUCTION ISLAND";
  state = "WA";
  centerLatitude = 4.768750000000000e+01;
  centerLongitude = -1.244375000000000e+02;
  scale = "24000";
}
{

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    name = "DUNGENESS OE E";
    state = "WA";
    centerLatitude = 4.818750000000000e+01;
    centerLongitude = -1.230625000000000e+02;
    scale = "24000";
}
{
    name = "EDMONDS EAST";
    state = "WA";
    centerLatitude = 4.781250000000000e+01;
    centerLongitude = -1.223125000000000e+02;
    scale = "24000";
}
{
    name = "ELMA";
    state = "WA";
    centerLatitude = 4.706250000000000e+01;
    centerLongitude = -1.234375000000000e+02;
    scale = "24000";
}
{
    name = "FORT LEWIS";
    state = "WA";
    centerLatitude = 4.706250000000000e+01;
    centerLongitude = -1.225625000000000e+02;
    scale = "24000";
}
{
    name = "GIG HARBOR";
    state = "WA";
    centerLatitude = 4.731250000000000e+01;
    centerLongitude = -1.225625000000000e+02;
    scale = "24000";
}
{
    name = "HANSVILLE";
    state = "WA";
    centerLatitude = 4.793750000000000e+01;
    centerLongitude = -1.225625000000000e+02;
    scale = "24000";
}
{
    name = "HOODSPORT";
    state = "WA";
    centerLatitude = 4.743750000000000e+01;
    centerLongitude = -1.231875000000000e+02;
    scale = "24000";
}
{
    name = "INDIAN PASS";
    state = "WA";
    centerLatitude = 4.793750000000000e+01;
    centerLongitude = -1.241875000000000e+02;
    scale = "24000";
}
{
    name = "KAMILCHE VALLEY";

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state = "WA";
centerLatitude = 4.706250000000000e+01;
centerLongitude = -1.231875000000000e+02;
scale = "24000";
}
{
name = "LAKE CRESCENT";
state = "WA";
centerLatitude = 4.806250000000000e+01;
centerLongitude = -1.238125000000000e+02;
scale = "24000";
}
{
name = "LAKE SUTHERLAND";
state = "WA";
centerLatitude = 4.806250000000000e+01;
centerLongitude = -1.236875000000000e+02;
scale = "24000";
}
{
name = "LILLIWAUP";
state = "WA";
centerLatitude = 4.743750000000000e+01;
centerLongitude = -1.230625000000000e+02;
scale = "24000";
}
{
name = "MACAFEE HILL";
state = "WA";
centerLatitude = 4.731250000000000e+01;
centerLongitude = -1.240625000000000e+02;
scale = "24000";
}
{
name = "MASON LAKE";
state = "WA";
centerLatitude = 4.731250000000000e+01;
centerLongitude = -1.229375000000000e+02;
scale = "24000";
}
{
name = "MAYTOWN";
state = "WA";
centerLatitude = 4.693750000000000e+01;
centerLongitude = -1.229375000000000e+02;
scale = "24000";
}
{
name = "MERCER ISLAND";
state = "WA";
centerLatitude = 4.756250000000000e+01;
centerLongitude = -1.221875000000000e+02;
scale = "24000";
}
{
name = "MOUNT CARRIE";
state = "WA";

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centerLatitude = 4.793750000000000e+01;
centerLongitude = -1.236875000000000e+02;
scale = "24000";
}
{
name = "MOUNT MULLER";
state = "WA";
centerLatitude = 4.806250000000000e+01;
centerLongitude = -1.239375000000000e+02;
scale = "24000";
}
{
name = "MOUNT STEEL";
state = "WA";
centerLatitude = 4.768750000000000e+01;
centerLongitude = -1.233125000000000e+02;
scale = "24000";
}
{
name = "MOUNT WASHINGTON";
state = "WA";
centerLatitude = 4.756250000000000e+01;
centerLongitude = -1.231875000000000e+02;
scale = "24000";
}
{
name = "NEW LONDON";
state = "WA";
centerLatitude = 4.706250000000000e+01;
centerLongitude = -1.239375000000000e+02;
scale = "24000";
}
{
name = "OAKVILLE";
state = "WA";
centerLatitude = 4.681250000000000e+01;
centerLongitude = -1.231875000000000e+02;
scale = "24000";
}
{
name = "OWL MOUNTAIN";
state = "WA";
centerLatitude = 4.781250000000000e+01;
centerLongitude = -1.239375000000000e+02;
scale = "24000";
}
{
name = "PORT TOWNSEND NORTH";
state = "WA";
centerLatitude = 4.818750000000000e+01;
centerLongitude = -1.228125000000000e+02;
scale = "24000";
}
{
name = "PUYALLUP";
state = "WA";
centerLatitude = 4.718750000000000e+01;

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        centerLongitude = -1.223125000000000e+02;
        scale = "24000";
    }
    {
        name = "QUINAULT LAKE EAST";
        state = "WA";
        centerLatitude = 4.743750000000000e+01;
        centerLongitude = -1.238125000000000e+02;
        scale = "24000";
    }
    {
        name = "READE HILL";
        state = "WA";
        centerLatitude = 4.793750000000000e+01;
        centerLongitude = -1.243125000000000e+02;
        scale = "24000";
    }
    {
        name = "SEABECK";
        state = "WA";
        centerLatitude = 4.768750000000000e+01;
        centerLongitude = -1.228125000000000e+02;
        scale = "24000";
    }
    {
        name = "SHILSHOLE";
        state = "WA";
        centerLatitude = 4.768750000000000e+01;
        centerLongitude = -1.224375000000000e+02;
        scale = "24000";
    }
    {
        name = "SNOHOMISH";
        state = "WA";
        centerLatitude = 4.793750000000000e+01;
        centerLongitude = -1.220625000000000e+02;
        scale = "24000";
    }
    {
        name = "SQUAXIN ISLAND";
        state = "WA";
        centerLatitude = 4.718750000000000e+01;
        centerLongitude = -1.229375000000000e+02;
        scale = "24000";
    }
    {
        name = "SUQUAMISH";
        state = "WA";
        centerLatitude = 4.768750000000000e+01;
        centerLongitude = -1.225625000000000e+02;
        scale = "24000";
    }
    {
        name = "TENALQUOT PRARIE";
        state = "WA";
        centerLatitude = 4.693750000000000e+01;
        centerLongitude = -1.226875000000000e+02;
    }

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        scale = "24000";
    }
    {
        name = "TUNNEL ISLAND";
        state = "WA";
        centerLatitude = 4.743750000000000e+01;
        centerLongitude = -1.243125000000000e+02;
        scale = "24000";
    }
    {
        name = "VAIL";
        state = "WA";
        centerLatitude = 4.681250000000000e+01;
        centerLongitude = -1.226875000000000e+02;
        scale = "24000";
    }
    {
        name = "WELLESLEY PEAK";
        state = "WA";
        centerLatitude = 4.781250000000000e+01;
        centerLongitude = -1.233125000000000e+02;
        scale = "24000";
    }
    {
        name = "WINFIELD CREEK";
        state = "WA";
        centerLatitude = 4.781250000000000e+01;
        centerLongitude = -1.241875000000000e+02;
        scale = "24000";
    }
    {
        id = "92 ";
        name = "River Jordan                Canada";
        state = "CN";
        centerLatitude = 4.837500000000000e+01;
        centerLongitude = -1.242500000000000e+02;
        scale = "50000";
    }
    ]
}
header =
{
    name = "internal-formatted PO";
    version = 0L;
    productOrderType = "Correction";
    origin = "External";
    creationTime = 1003932864L;
}
}

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=====
PreIngest.input:
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{
    commonChildInputParams =
    {
        reportName = "PreIngest.report";
    }
}

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    inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/Input_";
}
satelliteName = "LS7 ";
sensorName = "ETMP";
referenceTime =
{
    year = 2000;
    month = 7;
    day = 30;
    hour = 18;
    minute = 53;
    sec = 0;
    usec = 0;
    time_system = 2;
}
}
=====
Ingest.input:
=====
{
    commonChildInputParams =
    {
        inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/Input_";
        reportName = "Ingest.report";
    }
    priority = 7.000000000000000e+00F;
    manualPositioningRequired ?= FALSE;
    AOSTime =
    {
        year = 2000;
        month = 7;
        day = 30;
        hour = 18;
        minute = 53;
        sec = 0;
        usec = 0;
        time_system = 2;
    }
    satellite = "LS7 ";
    sensor = "ETMP";
    numberOfScenes = 1.500000000000000e+00F;
    ingestBoundaryType ?= 0;
    pathRowCentre ?=
    {
        path = 47;
        row = 27;
        sceneCentreOffset ?= 0.000000000000000e+00F;
    }
    bandList =
    {
        numBands = 9;
        bandsUsed =
        [
            1;
            2;
            3;
            4;

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        5;
        6;
        7;
        8;
        9;
    ]
}
inputIsTarred ?= FALSE;
memoryEffectCorrectionRequired ?= FALSE;
mediumData =
{
    mediumType = 4;
    format = 26;
    volumeInfo =
    [
        {
            filenames =
            [
"/diskIngest2/temp/01101100301840003/L72EDC190021218010_HDF.012961757";
            ]
            mediumId =
"/diskIngest2/temp/01101100301840003/L72EDC190021218010_HDF.012961757";
        }
    ]
}
sampleSceneStats = FALSE;
performRadiometricCorrection ?= TRUE;
}
=====
Ingest.output:
=====
{
    InputImage =
    {
        InputImageHandle =
"/usr1/nlaps/RT/workorders/01101100301840003/Input_LZR_Main.tif";
        InputImageResourceId = "/image2";
        InputImageAllocationId = 238052L;
    }
    IngestQualityFlag = TRUE;
    IngestPredictedOrbitFlag = TRUE;
    orbitNumber = 87304;
    ReportHeader =
    {
        ReportName = "Ingest";
        VersionNumber = 1.0000000000000000e+00;
        WorkOrderId = "01101100301840003";
        StartTime = "Wed Oct 24 09:15:01 2001";
        StartTimeRecord =
        {
            year = 2001;
            month = 10;
            day = 24;
            hour = 9;
            minute = 15;
            sec = 1;
        }
    }
}

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    usec = 0;
    time_system = 2;
}
CompletionTime = "Wed Oct 24 09:17:13 2001";
CompletionTimeRecord =
{
    year = 2001;
    month = 10;
    day = 24;
    hour = 9;
    minute = 17;
    sec = 13;
    usec = 0;
    time_system = 2;
}
CpuTime = 9.5430000000000001e+01;
}
ingestStartTime =
{
    year = 2000;
    month = 7;
    day = 30;
    hour = 18;
    minute = 52;
    sec = 47;
    usec = 382375;
    time_system = 2;
}
ingestEndTime =
{
    year = 2000;
    month = 7;
    day = 30;
    hour = 18;
    minute = 53;
    sec = 14;
    usec = 218750;
    time_system = 2;
}
ingestStartTimeString = "2000 07 30 18:52:47.382";
ingestEndTimeString = "2000 07 30 18:53:14.218";
segmentStartTime =
{
    year = 2000;
    month = 7;
    day = 30;
    hour = 18;
    minute = 52;
    sec = 47;
    usec = 382375;
    time_system = 2;
}
segmentEndTime =
{
    year = 2000;
    month = 7;
    day = 30;

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    hour = 18;
    minute = 53;
    sec = 14;
    usec = 218750;
    time_system = 2;
}
ProcessingInformation =
{
    TotalNumberOfSwaths = 374;
    TotalNumberSwathsWithSyncLosses = 0;
    TotalNumberOfSyncLosses = 0;
    MinimumLineLength = 6319;
    MaximumLineLength = 6322;
    InputCentreDateAndTimeAtStation =
    {
        year = 2000;
        month = 7;
        day = 30;
        hour = 18;
        minute = 53;
        sec = 0;
        usec = 800562;
        time_system = 2;
    }
    NumberOfBandsIngested = 9;
    BandNumbersIngested =
    [
        1L;
        2L;
        3L;
        4L;
        5L;
        6L;
        7L;
        8L;
        9L;
    ]
}
}=====
DemInit.input:
=====
{
    inputImageFileName =
"/usr1/nlaps/RT/workorders/011011003018400003/Input_LZR_Main.tif";
    acqModelIdentifier = "/usr1/nlaps/RT/workorders/011011003018400003/Input_";
    spheroidParams =
    {
        earth_spheroid_name = "NAD83";
        semimajor_axis = 6.378137000000000e+06;
        eccentricity_squared = 6.694380022900790e-03;
        earth_centre_offset =
        {
            lowerB = 1;
            upperB = 3;
            Bstore =
            [
                0.000000000000000e+00;

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        0.0000000000000000e+00;
        0.0000000000000000e+00;
    ]
}
ellipsoidCode = 7019;
}
sceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/Input_";
demType = 0;
baseElevation ?= 0.0000000000000000e+00F;
demPath ?= "";
}
=====
ModelRefinement.input:
=====
{
    commonChildInputParams =
    {
        inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/Input_";
        productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003018400003/Product_";
        outputSceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/Output_";
        reportName = "ModelRefinement.report";
    }
    imageHandle =
"/usr1/nlaps/RT/workorders/011011003018400003/Input_LZR_Main.tif";
    scpCreationFlag = FALSE;
    autoMarkingMode = 0L;
    manualMarkingMode = 2L;
    bands =
    {
        numBands = 9;
        bandsUsed =
        [
            1;
            2;
            3;
            4;
            5;
            6;
            7;
            8;
            9;
        ]
    }
}
}
=====
ModelRefinement.report:
=====
{
    ReportHeader =
    {
        ReportName = "ModelRefinementReport";
        VersionNumber = 1.0000000000000000e+00;
        WorkOrderId = "011011003018400003";
        StartTime = "Wed Oct 24 09:17:20 2001";
        StartTimeRecord =
        {

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    year = 2001;
    month = 10;
    day = 24;
    hour = 9;
    minute = 17;
    sec = 20;
    usec = 0;
    time_system = 2;
}
CompletionTime = "Wed Oct 24 09:26:16 2001";
CompletionTimeRecord =
{
    year = 2001;
    month = 10;
    day = 24;
    hour = 9;
    minute = 26;
    sec = 16;
    usec = 0;
    time_system = 2;
}
CpuTime = 4.587000000000000e+01;
}
Satellite = "LS7 ";
Sensor = "ETMP";
AcquisitionTime =
{
    year = 2000L;
    month = 7L;
    day = 30L;
    hour = 18L;
    minute = 53L;
    sec = 0L;
    usec = 857819L;
    time_system = 2L;
}
PrecisionModelSummary =
{
    NumberOfCPsInModel = 12L;
    ModelErrors =
    {
        along_track =
        {
            mean_error = -3.036674857139587e-01;
            rms_error = 8.353819847106934e+00;
            std_dev_error = 8.348299026489258e+00;
        }
        across_track =
        {
            mean_error = 4.991541206836700e-01;
            rms_error = 5.781520843505859e+00;
            std_dev_error = 5.759932994842529e+00;
        }
        height =
        {
            mean_error = 9.507316350936890e-02;
            rms_error = 4.887515604496002e-01;

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        std_dev_error = 4.794154465198517e-01;
    }
    combined =
    {
        mean_error = 5.919524431228638e-01;
        rms_error = 1.017109489440918e+01;
        std_dev_error = 1.015385437011719e+01;
    }
}
}
ControlPointsSummary =
[
    {
        CpNumber = 8368L;
        CpAutoMarked = TRUE;
        CpKind = "RCP";
        CpLocation =
        {
            latitude = 4.813330276065045e+01;
            longitude = -1.238081343349402e+02;
            height = 1.282419419288635e+02;
        }
        CpResiduals =
        {
            alongTrack = 1.177574549429741e+01;
            acrossTrack = -3.815305134592839e+00;
            height = 2.803661929511483e-01;
            combined = 1.238157261492522e+01;
        }
    }
    {
        CpNumber = 8830L;
        CpAutoMarked = TRUE;
        CpKind = "RCP";
        CpLocation =
        {
            latitude = 4.686179656117612e+01;
            longitude = -1.240707785983342e+02;
            height = -5.592592060565948e-05;
        }
        CpResiduals =
        {
            alongTrack = 3.887278647058830e+00;
            acrossTrack = 4.894899867481850e+00;
            height = -2.492475955431070e-01;
            combined = 6.255645798511723e+00;
        }
    }
    {
        CpNumber = 8820L;
        CpAutoMarked = TRUE;
        CpKind = "RCP";
        CpLocation =
        {
            latitude = 4.679041057532537e+01;
            longitude = -1.235261311744135e+02;
            height = 6.846694438997656e+01;
        }
    }

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    }
    CpResiduals =
    {
        alongTrack = -9.722802232398925e+00;
        acrossTrack = -5.636492256045397e+00;
        height = -9.093727985696187e-02;
        combined = 1.123882546317314e+01;
    }
}
{
    CpNumber = 8374L;
    CpAutoMarked = TRUE;
    CpKind = "RCP";
    CpLocation =
    {
        latitude = 4.801115523084091e+01;
        longitude = -1.227685942726007e+02;
        height = 3.506694216933101e+01;
    }
    CpResiduals =
    {
        alongTrack = -7.806899079665520e+00;
        acrossTrack = 7.676360261062998e+00;
        height = 3.650261169140743e-01;
        combined = 1.095479001002479e+01;
    }
}
{
    CpNumber = 8577L;
    CpAutoMarked = TRUE;
    CpKind = "RCP";
    CpLocation =
    {
        latitude = 4.719358475770593e+01;
        longitude = -1.222824531475281e+02;
        height = 4.205294365994632e+01;
    }
    CpResiduals =
    {
        alongTrack = -8.116880061139854e+00;
        acrossTrack = -3.381018605972564e+00;
        height = -4.633972901586589e-01;
        combined = 8.805098851767012e+00;
    }
}
{
    CpNumber = 8585L;
    CpAutoMarked = TRUE;
    CpKind = "RCP";
    CpLocation =
    {
        latitude = 4.754146037422731e+01;
        longitude = -1.243336830353987e+02;
        height = 2.999994302634150e+01;
    }
    CpResiduals =
    {

```

```

        alongTrack = -7.866310592075461e+00;
        acrossTrack = 1.422163190275712e+00;
        height = -1.482620508737469e-01;
        combined = 7.995209322244357e+00;
    }
}
{
    CpNumber = 8724L;
    CpAutoMarked = FALSE;
    CpKind = "RCP";
    CpLocation =
    {
        latitude = 4.659075313188716e+01;
        longitude = -1.229251260403730e+02;
        height = 1.219998021610081e+02;
    }
    CpResiduals =
    {
        alongTrack = 7.425349213871948e+00;
        acrossTrack = -1.952976312321206e+00;
        height = -1.919232832678190e-01;
        combined = 7.680283977243081e+00;
    }
}
{
    CpNumber = 8819L;
    CpAutoMarked = FALSE;
    CpKind = "RCP";
    CpLocation =
    {
        latitude = 4.711101737245576e+01;
        longitude = -1.230424725558446e+02;
        height = -5.638692528009415e-05;
    }
    CpResiduals =
    {
        alongTrack = 6.748202739460631e+00;
        acrossTrack = 5.438305961998254e+00;
        height = 3.116188124545092e-01;
        combined = 8.672399796679422e+00;
    }
}
{
    CpNumber = 8362L;
    CpAutoMarked = FALSE;
    CpKind = "RCP";
    CpLocation =
    {
        latitude = 4.771314243855399e+01;
        longitude = -1.237386865594333e+02;
        height = 3.040299426652491e+02;
    }
    CpResiduals =
    {
        alongTrack = -1.410716266461499e+01;
        acrossTrack = 1.659282989048925e-01;
        height = -7.552392314048362e-03;
    }
}

```

```

    combined = 1.410814047580028e+01;
  }
}
{
  CpNumber = 8457L;
  CpAutoMarked = FALSE;
  CpKind = "RCP";
  CpLocation =
  {
    latitude = 4.755720672577785e+01;
    longitude = -1.227152906602115e+02;
    height = 1.034079429851845e+02;
  }
  CpResiduals =
  {
    alongTrack = 7.560320967389591e+00;
    acrossTrack = -4.798959794431860e+00;
    height = -3.582937978816458e-01;
    combined = 8.961966451852218e+00;
  }
}
{
  CpNumber = 8377L;
  CpAutoMarked = FALSE;
  CpKind = "SCP";
  CpLocation =
  {
    latitude = 4.790543485370844e+01;
    longitude = -1.222384770203957e+02;
    height = 1.614429999385029e+02;
  }
  CpResiduals =
  {
    alongTrack = -2.149483981933398e-02;
    acrossTrack = 1.258368036304259e+01;
    height = 1.417382377440480e+00;
    combined = 1.266327154850757e+01;
  }
}
{
  CpNumber = 8583L;
  CpAutoMarked = FALSE;
  CpKind = "RCP";
  CpLocation =
  {
    latitude = 4.724920687663811e+01;
    longitude = -1.238467560989788e+02;
    height = 1.209999435432255e+02;
  }
  CpResiduals =
  {
    alongTrack = 6.600642476911647e+00;
    acrossTrack = -6.606736292088338e+00;
    height = 2.760981271149019e-01;
    combined = 9.343108461160227e+00;
  }
}
}

```

[illegible]

```

]
referenceSpheroid =
{
  earth_spheroid_name = "NAD83";
  semimajor_axis = 6.378137000000000e+06;
  eccentricity_squared = 6.694380022900790e-03;
  earth_centre_offset =
  {
    lowerB = 1;
    upperB = 3;
    Bstore =
    [
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
    ]
  }
  ellipsoidCode = 7019;
}
}
GCTPZone = 4602;
}
orientationChoice = 1;
path ?= 47;
row ?= 27;
sceneShift ?= 0.000000000000000e+00F;
mapPixelSpacing ?= 3.000000000000000e+01;
mapLineSpacing ?= 3.000000000000000e+01;
performRegionCheck = FALSE;
performDEM_Correction = TRUE;
performElevationCorrection = FALSE;
performBaseElevationCorrection = FALSE;
baseElevation = 0.000000000000000e+00F;
}
=====
ProductDefinition.output:
=====
{
  inputLimits =
  {
    inputLimits =
    [
      {
        startPixel = 1;
        endPixel = 6336;
        startLine = 17;
        endLine = 5984;
      }
      {
        startPixel = 1;
        endPixel = 6336;
        startLine = 17;
        endLine = 5984;
      }
    ]
  }
  {
    startPixel = 1;
    endPixel = 6336;
  }
}

```

```

        startLine = 17;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 17;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 17;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 3168;
        startLine = 9;
        endLine = 2992;
    }
    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 17;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 12672;
        startLine = 33;
        endLine = 11968;
    }
    {
        startPixel = 1;
        endPixel = 3168;
        startLine = 9;
        endLine = 2992;
    }
    ]
}
imageSize =
[
    {
        numLines = 7411;
        numPixels = 7795;
    }
    {
        numLines = 7411;
        numPixels = 7795;
    }
    {
        numLines = 7411;
        numPixels = 7795;
    }
    {
        numLines = 7411;
    }
]

```

```

    numPixels = 7795;
  }
  {
    numLines = 7411;
    numPixels = 7795;
  }
  {
    numLines = 3705;
    numPixels = 3897;
  }
  {
    numLines = 7411;
    numPixels = 7795;
  }
  {
    numLines = 14822;
    numPixels = 15590;
  }
  {
    numLines = 3705;
    numPixels = 3897;
  }
]
outputResolution =
[
  {
    lineSpacing = 3.000000000000000e+01F;
    pixelSpacing = 3.000000000000000e+01F;
  }
  {
    lineSpacing = 3.000000000000000e+01F;
    pixelSpacing = 3.000000000000000e+01F;
  }
  {
    lineSpacing = 3.000000000000000e+01F;
    pixelSpacing = 3.000000000000000e+01F;
  }
  {
    lineSpacing = 3.000000000000000e+01F;
    pixelSpacing = 3.000000000000000e+01F;
  }
  {
    lineSpacing = 3.000000000000000e+01F;
    pixelSpacing = 3.000000000000000e+01F;
  }
  {
    lineSpacing = 6.000000000000000e+01F;
    pixelSpacing = 6.000000000000000e+01F;
  }
  {
    lineSpacing = 3.000000000000000e+01F;
    pixelSpacing = 3.000000000000000e+01F;
  }
  {
    lineSpacing = 1.500000000000000e+01F;
    pixelSpacing = 1.500000000000000e+01F;
  }
]

```

```

    {
        lineSpacing = 6.000000000000000e+01F;
        pixelSpacing = 6.000000000000000e+01F;
    }
]
outputImageRefPoint =
[
    {
        line = 5.000000000000000e-01F;
        pixel = 5.000000000000000e-01F;
    }
    {
        line = 5.000000000000000e-01F;
        pixel = 5.000000000000000e-01F;
    }
    {
        line = 5.000000000000000e-01F;
        pixel = 5.000000000000000e-01F;
    }
    {
        line = 5.000000000000000e-01F;
        pixel = 5.000000000000000e-01F;
    }
    {
        line = 5.000000000000000e-01F;
        pixel = 5.000000000000000e-01F;
    }
    {
        line = 5.000000000000000e-01F;
        pixel = 5.000000000000000e-01F;
    }
    {
        line = 5.000000000000000e-01F;
        pixel = 5.000000000000000e-01F;
    }
    {
        line = 5.000000000000000e-01F;
        pixel = 5.000000000000000e-01F;
    }
    {
        line = 5.000000000000000e-01F;
        pixel = 5.000000000000000e-01F;
    }
    {
        line = 5.000000000000000e-01F;
        pixel = 5.000000000000000e-01F;
    }
]
outputMapRefPoint =
{
    x = 1.629450000000000e+05;
    y = 3.504150000000000e+05;
    height = 0.000000000000000e+00;
}
outputOrientation = 0.000000000000000e+00;
mapProjectionParams =
{
    projDescription =
    {
        projName = "SPCS";
        projection = 2;
    }
}

```

```

projCoeffs =
[
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
    0.0000000000000000e+00;
]
referenceSpheroid =
{
    earth_spheroid_name = "NAD83";
    semimajor_axis = 6.378137000000000e+06;
    eccentricity_squared = 6.694380022900790e-03;
    earth_centre_offset =
    {
        lowerB = 1;
        upperB = 3;
        Bstore =
        [
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
        ]
    }
    ellipsoidCode = 7019;
}
}
GCTPZone = 4602;
}
path = 47;
row = 27;
startRow = 0;
endRow = 0;
floatingEndRow = 0.0000000000000000e+00F;
geodeticCentre =
{
    latitude = 8.281444708318696e-01;
    longitude = -2.154079245640157e+00;
    height = 0.0000000000000000e+00;
}
mapCentre =
{
    x = 2.7985500000000000e+05;
    y = 2.3926500000000000e+05;
    height = 0.0000000000000000e+00;
}
geodeticSceneCorners =

```

```

[
  {
    latitude = 8.452592604218790e-01;
    longitude = -2.170742862545653e+00;
    height = 0.000000000000000e+00;
  }
  {
    latitude = 8.388410930729178e-01;
    longitude = -2.126599108222226e+00;
    height = 0.000000000000000e+00;
  }
  {
    latitude = 8.111063462732170e-01;
    longitude = -2.137949127928220e+00;
    height = 0.000000000000000e+00;
  }
  {
    latitude = 8.173365047820292e-01;
    longitude = -2.180830326513931e+00;
    height = 0.000000000000000e+00;
  }
]
geodeticProductCorners =
[
  {
    latitude = 8.098567949152250e-01;
    longitude = -2.179664358098395e+00;
    height = 0.000000000000000e+00;
  }
  {
    latitude = 8.111904320407853e-01;
    longitude = -2.126580723820131e+00;
    height = 0.000000000000000e+00;
  }
  {
    latitude = 8.460839447726028e-01;
    longitude = -2.127474618150747e+00;
    height = 0.000000000000000e+00;
  }
  {
    latitude = 8.447007799318098e-01;
    longitude = -2.182575223857436e+00;
    height = 0.000000000000000e+00;
  }
]
mapProductCorners =
[
  {
    x = 1.629450000000000e+05;
    y = 1.280850000000000e+05;
    height = 0.000000000000000e+00;
  }
  {
    x = 3.967950000000000e+05;
    y = 1.280850000000000e+05;
    height = 0.000000000000000e+00;
  }
]

```

```

    {
        x = 3.967950000000000e+05;
        y = 3.504150000000000e+05;
        height = 0.000000000000000e+00;
    }
    {
        x = 1.629450000000000e+05;
        y = 3.504150000000000e+05;
        height = 0.000000000000000e+00;
    }
]
blackfillEdgeChoice = 1;
alignmentChoice = 2;
}
=====
DemIngest.input:
=====
{
    commonChildInputParams =
    {
        reportName = "DemIngest.report";
        inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/Input_";
    }
    demList =
    [
        {
            demType = 2;
            mediaType = 4;
            mediaId = "/dem_data/DEM/washingtonDem";
            filename = "washcanus_elev2";
        }
    ]
    priority = 7.000000000000000e+00F;
    numLines = 7411;
    numPixels = 7795;
    lineSpacing = 3.000000000000000e+01F;
    pixelSpacing = 3.000000000000000e+01F;
    mapRefPoint =
    {
        x = 1.629450000000000e+05;
        y = 3.504150000000000e+05;
        height = 0.000000000000000e+00;
    }
    outputOrientation = 0.000000000000000e+00;
    mapProjectionParams =
    {
        projDescription =
        {
            projName = "SPCS";
            projection = 2;
            projCoeffs =
            [
                0.000000000000000e+00;
                0.000000000000000e+00;
                0.000000000000000e+00;
                0.000000000000000e+00;
                0.000000000000000e+00;
            ]
        }
    }
}

```

```

0.0000000000000000e+00;
0.0000000000000000e+00;
0.0000000000000000e+00;
0.0000000000000000e+00;
0.0000000000000000e+00;
0.0000000000000000e+00;
0.0000000000000000e+00;
0.0000000000000000e+00;
0.0000000000000000e+00;
0.0000000000000000e+00;
0.0000000000000000e+00;
0.0000000000000000e+00;
]
referenceSpheroid =
{
  earth_spheroid_name = "NAD83";
  semimajor_axis = 6.378137000000000e+06;
  eccentricity_squared = 6.694380022900790e-03;
  earth_centre_offset =
  {
    lowerB = 1;
    upperB = 3;
    Bstore =
    [
      0.0000000000000000e+00;
      0.0000000000000000e+00;
      0.0000000000000000e+00;
    ]
  }
  ellipsoidCode = 7019;
}
}
GCTPZone = 4602;
}
}
=====
DemIngest.output:
=====
{
  ImageHandle =
"/usr1/nlaps/RT/workorders/011011003018400003/Input__DEMI_IngestControl.tif";
  ImageAllocationId = 238076L;
}
=====
DemIngest.report:
=====
{
  ReportHeader =
  {
    ReportName = "DEM Ingest Report";
    VersionNumber = 1.000000000000000e+00;
    WorkOrderId = "011011003018400003";
    StartTime = "Wed Oct 24 09:26:28 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 24;
      hour = 9;
    }
  }
}

```

```

        minute = 26;
        sec = 28;
        usec = 0;
        time_system = 2;
    }
    CompletionTime = "Wed Oct 24 09:27:10 2001";
    CompletionTimeRecord =
    {
        year = 2001;
        month = 10;
        day = 24;
        hour = 9;
        minute = 27;
        sec = 10;
        usec = 0;
        time_system = 2;
    }
    CpuTime = 2.6760000000000000e+01;
}
PixelSpacing = 3.0000000000000000e+01F;
PixelSpacingUnits = "meters";
LineSpacing = 3.0000000000000000e+01F;
LineSpacingUnits = "meters";
ProductOrderNumber = "011011003018400003";
SourceFormat = "LAS";
PixelType = 2L;
HorizontalDatum = "NORTHAM_83_CONUS";
VerticalDatum = "MSL";
UpperLatitude = 4.848129198954926e+01;
RightLongitude = -1.218379427465282e+02;
LowerLatitude = 4.639695164829819e+01;
LeftLongitude = -1.250593821473047e+02;
NumberOfLines = 7443L;
PixelsPerLine = 7828L;
UnitOfElevationMeasure = "meters";
Error =
{
    circularError = 4.2000000000000000e+01;
    linearError = 4.2000000000000000e+01;
}
InputMediaReport =
[
    {
        Media = "/dem_data/DEM/washingtonDem";
        File = "washcanus_elev2";
    }
]
}
=====
WarpDem.input:
=====
{
    commonChildInputParams =
    {
        reportName = "WarpDem.report";
        inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/Input_";
        productSceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/DEM_";
    }
}

```

```

}
priority = 7.000000000000000e+00F;
InputImageFile =
"/usr1/nlaps/RT/workorders/011011003018400003/Input__DEMI_IngestControl.tif";
ResampleImageOrDemFlag = FALSE;
CollectStatsFlag = TRUE;
productSpecification =
{
    satellite = "LS7 ";
    sensor = "ETMP";
    processingLevel = "Precision Geocorrection";
    outputPixelType = 2;
    blackfillEdgeChoice = 1;
    path = 47;
    row = 27;
    bandList =
    {
        numBands = 9;
        bandsUsed =
        [
            1;
            2;
            3;
            4;
            5;
            6;
            7;
            8;
            9;
        ]
    }
}
mapProjectionParams =
{
    projDescription =
    {
        projName = "SPCS";
        projection = 2;
        projCoeffs =
        [
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
        ]
        referenceSpheroid =
        {

```

```

earth_spheroid_name = "NAD83";
semimajor_axis = 6.378137000000000e+06;
eccentricity_squared = 6.694380022900790e-03;
earth_centre_offset =
{
    lowerB = 1;
    upperB = 3;
    Bstore =
    [
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
    ]
}
ellipsoidCode = 7019;
}
}
GCTPZone = 4602;
}
outputMapRefPoint =
{
    x = 1.629450000000000e+05;
    y = 3.504150000000000e+05;
    height = 0.000000000000000e+00;
}
outputOrientation = 0.000000000000000e+00;
inputLimits =
{
    inputLimits =
    [
        {
            startPixel = 1;
            endPixel = 6336;
            startLine = 17;
            endLine = 5984;
        }
        {
            startPixel = 1;
            endPixel = 6336;
            startLine = 17;
            endLine = 5984;
        }
        {
            startPixel = 1;
            endPixel = 6336;
            startLine = 17;
            endLine = 5984;
        }
        {
            startPixel = 1;
            endPixel = 6336;
            startLine = 17;
            endLine = 5984;
        }
        {
            startPixel = 1;
            endPixel = 6336;
        }
    ]
}

```

```

        startLine = 17;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 3168;
        startLine = 9;
        endLine = 2992;
    }
    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 17;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 12672;
        startLine = 33;
        endLine = 11968;
    }
    {
        startPixel = 1;
        endPixel = 3168;
        startLine = 9;
        endLine = 2992;
    }
    ]
}
processingOptions =
{
    resamplingKernel = "CC";
    resamplingMethod = "1Pass2Dimensional";
    performRadiometricCorrection = TRUE;
    radiometricAlgorithm = 1;
    performGeometricCorrection = TRUE;
    performDEM_Correction = TRUE;
    performElevationCorrection = FALSE;
    performBaseElevationCorrection = FALSE;
    baseElevation = 0.0000000000000000e+00F;
    performAtmosphericCorrection = FALSE;
    performBadLineReplacement = FALSE;
    performScanGapCorrection = FALSE;
    alignmentRequired = FALSE;
    performHistogramming = FALSE;
    performDebandFilter = FALSE;
    performDespikeFilter = FALSE;
}
outputResolution =
[
    {
        lineSpacing = 3.0000000000000000e+01F;
        pixelSpacing = 3.0000000000000000e+01F;
    }
]
imageSize =
[

```

```

        {
            numLines = 7411;
            numPixels = 7795;
        }
    ]
    outputImageRefPoint =
    [
        {
            line = 5.000000000000000e-01F;
            pixel = 5.000000000000000e-01F;
        }
    ]
}
}
=====
WarpDem.output:
=====
{
    outputImage =
    {
        outputImageHandle =
"/usr1/nlaps/RT/workorders/011011003018400003/DEM__OPR_WarpResampler.tif";
        outputImageAllocationId = 238077L;
    }
}
=====
WarpDem.report:
=====
{
    ReportHeader =
    {
        ReportName = "resamplerReport";
        VersionNumber = 1.000000000000000e+00;
        WorkOrderId = "011011003018400003";
        StartTime = "Wed Oct 24 09:27:12 2001";
        StartTimeRecord =
        {
            year = 2001;
            month = 10;
            day = 24;
            hour = 9;
            minute = 27;
            sec = 12;
            usec = 0;
            time_system = 2;
        }
    }
    CompletionTime = "Wed Oct 24 09:27:38 2001";
    CompletionTimeRecord =
    {
        year = 2001;
        month = 10;
        day = 24;
        hour = 9;
        minute = 27;
        sec = 38;
        usec = 0;
        time_system = 2;
    }
}

```

```

    }
    CpuTime = 2.922000000000000e+01;
}
GeometricCorrectionLevel = "map-projected";
ProductInfo =
{
    Projection = "SPCS";
    GCTPZone = 4602;
    Datum = "NAD83";
    Orientation = 0.000000000000000e+00;
}
ResamplingInfo =
{
    Method = "1 PASS";
    Kernel = "Bilinear";
}
SatelliteAngleOfIncidence = 0.000000000000000e+00;
SatelliteAngleOfIncidenceDirection = "L";
SatelliteIncidentOrientation = 0.000000000000000e+00;
SatelliteOffNadirPointingAngle = 0.000000000000000e+00;
OffNadirPointingAngle = 0.000000000000000e+00;
DemCorrection =
{
    WasApplied = FALSE;
}
ElevationCorrection =
{
    WasApplied = FALSE;
}
RadiometricCorrection =
{
    WasApplied = FALSE;
}
}
=====
ImageCorrection.input:
=====
{
    commonChildInputParams =
    {
        inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/Input_";
        productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003018400003/Product_";
        reportName = "ImageCorrection.report";
    }
    priority = 7.000000000000000e+00F;
    InputImageFile =
"/usr1/nlaps/RT/workorders/011011003018400003/Input_LZR_Main.tif";
    InputDemFile =
"/usr1/nlaps/RT/workorders/011011003018400003/DEM__OPR_WarpResampler.tif";
    ResampleImageOrDemFlag = TRUE;
    productSpecification =
    {
        satellite = "LS7 ";
        sensor = "ETMP";
        processingLevel = "Precision Geocorrection";
        outputPixelType = 2;
    }
}

```

```

blackfillEdgeChoice = 1;
path = 47;
row = 27;
bandList =
{
    numBands = 9;
    bandsUsed =
    [
        1;
        2;
        3;
        4;
        5;
        6;
        7;
        8;
        9;
    ]
}
mapProjectionParams =
{
    projDescription =
    {
        projName = "SPCS";
        projection = 2;
        projCoeffs =
        [
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
            0.0000000000000000e+00;
        ]
    }
    referenceSpheroid =
    {
        earth_spheroid_name = "NAD83";
        semimajor_axis = 6.378137000000000e+06;
        eccentricity_squared = 6.694380022900790e-03;
        earth_centre_offset =
        {
            lowerB = 1;
            upperB = 3;
            Bstore =
            [
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
            ]
        }
    }
}

```

```

        ]
    }
    ellipsoidCode = 7019;
}
}
GCTPZone = 4602;
}
processingOptions =
{
    resamplingKernel = "CC";
    resamplingMethod = "1Pass2Dimensional";
    performRadiometricCorrection = TRUE;
    radiometricAlgorithm = 1;
    performGeometricCorrection = TRUE;
    performDEM_Correction = TRUE;
    performElevationCorrection = FALSE;
    performBaseElevationCorrection = FALSE;
    baseElevation = 0.0000000000000000e+00F;
    performAtmosphericCorrection = FALSE;
    performBadLineReplacement = TRUE;
    performScanGapCorrection = TRUE;
    alignmentRequired = FALSE;
    performHistogramming = TRUE;
    performDebandFilter = FALSE;
    performDespikeFilter = FALSE;
}
outputMapRefPoint =
{
    x = 1.6294500000000000e+05;
    y = 3.5041500000000000e+05;
    height = 0.0000000000000000e+00;
}
outputOrientation = 0.0000000000000000e+00;
inputLimits =
{
    inputLimits =
    [
        {
            startPixel = 1;
            endPixel = 6336;
            startLine = 17;
            endLine = 5984;
        }
        {
            startPixel = 1;
            endPixel = 6336;
            startLine = 17;
            endLine = 5984;
        }
        {
            startPixel = 1;
            endPixel = 6336;
            startLine = 17;
            endLine = 5984;
        }
        {
            startPixel = 1;

```

```

        endPixel = 6336;
        startLine = 17;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 17;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 3168;
        startLine = 9;
        endLine = 2992;
    }
    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 17;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 12672;
        startLine = 33;
        endLine = 11968;
    }
    {
        startPixel = 1;
        endPixel = 3168;
        startLine = 9;
        endLine = 2992;
    }
    ]
}
imageSize =
[
    {
        numLines = 7411;
        numPixels = 7795;
    }
    {
        numLines = 7411;
        numPixels = 7795;
    }
    {
        numLines = 7411;
        numPixels = 7795;
    }
    {
        numLines = 7411;
        numPixels = 7795;
    }
    {
        numLines = 7411;
        numPixels = 7795;
    }
]

```

```

    }
    {
        numLines = 3705;
        numPixels = 3897;
    }
    {
        numLines = 7411;
        numPixels = 7795;
    }
    {
        numLines = 14822;
        numPixels = 15590;
    }
    {
        numLines = 3705;
        numPixels = 3897;
    }
]
outputResolution =
[
    {
        lineSpacing = 3.000000000000000e+01F;
        pixelSpacing = 3.000000000000000e+01F;
    }
    {
        lineSpacing = 3.000000000000000e+01F;
        pixelSpacing = 3.000000000000000e+01F;
    }
    {
        lineSpacing = 3.000000000000000e+01F;
        pixelSpacing = 3.000000000000000e+01F;
    }
    {
        lineSpacing = 3.000000000000000e+01F;
        pixelSpacing = 3.000000000000000e+01F;
    }
    {
        lineSpacing = 3.000000000000000e+01F;
        pixelSpacing = 3.000000000000000e+01F;
    }
    {
        lineSpacing = 6.000000000000000e+01F;
        pixelSpacing = 6.000000000000000e+01F;
    }
    {
        lineSpacing = 3.000000000000000e+01F;
        pixelSpacing = 3.000000000000000e+01F;
    }
    {
        lineSpacing = 1.500000000000000e+01F;
        pixelSpacing = 1.500000000000000e+01F;
    }
    {
        lineSpacing = 6.000000000000000e+01F;
        pixelSpacing = 6.000000000000000e+01F;
    }
]

```

```

outputImageRefPoint =
[
  {
    line = 5.000000000000000e-01F;
    pixel = 5.000000000000000e-01F;
  }
  {
    line = 5.000000000000000e-01F;
    pixel = 5.000000000000000e-01F;
  }
  {
    line = 5.000000000000000e-01F;
    pixel = 5.000000000000000e-01F;
  }
  {
    line = 5.000000000000000e-01F;
    pixel = 5.000000000000000e-01F;
  }
  {
    line = 5.000000000000000e-01F;
    pixel = 5.000000000000000e-01F;
  }
  {
    line = 5.000000000000000e-01F;
    pixel = 5.000000000000000e-01F;
  }
  {
    line = 5.000000000000000e-01F;
    pixel = 5.000000000000000e-01F;
  }
  {
    line = 5.000000000000000e-01F;
    pixel = 5.000000000000000e-01F;
  }
  {
    line = 5.000000000000000e-01F;
    pixel = 5.000000000000000e-01F;
  }
  {
    line = 5.000000000000000e-01F;
    pixel = 5.000000000000000e-01F;
  }
]
}
}
=====
ImageCorrection.output:
=====
{
  outputImage =
  {
    outputImageHandle =
"/usr1/nlaps/RT/workorders/011011003018400003/Product__OPR_MsResampler.tif";
    outputImageAllocationId = 238098L;
  }
}
=====
ImageCorrection.report:
=====
{
  ReportHeader =

```

```

{
  ReportName = "resamplerReport";
  VersionNumber = 1.0000000000000000e+00;
  WorkOrderId = "011011003018400003";
  StartTime = "Wed Oct 24 09:27:41 2001";
  StartTimeRecord =
  {
    year = 2001;
    month = 10;
    day = 24;
    hour = 9;
    minute = 27;
    sec = 41;
    usec = 0;
    time_system = 2;
  }
  CompletionTime = "Wed Oct 24 09:42:13 2001";
  CompletionTimeRecord =
  {
    year = 2001;
    month = 10;
    day = 24;
    hour = 9;
    minute = 42;
    sec = 13;
    usec = 0;
    time_system = 2;
  }
  CpuTime = 1.6972900000000000e+03;
}
GeometricCorrectionLevel = "map-projected";
ProductInfo =
{
  Projection = "SPCS";
  GCTPZone = 4602;
  Datum = "NAD83";
  Orientation = 0.0000000000000000e+00;
}
ResamplingInfo =
{
  Method = "1 PASS";
  Kernel = "CC";
}
SatelliteAngleOfIncidence = 2.444616483850552e-01;
SatelliteAngleOfIncidenceDirection = "R";
SatelliteIncidentOrientation = 1.673933707834931e+02;
SatelliteOffNadirPointingAngle = 6.385473588292621e-02;
OffNadirPointingAngle = 0.0000000000000000e+00;
DemCorrection =
{
  WasApplied = TRUE;
  DataSource = 1L;
}
ElevationCorrection =
{
  WasApplied = FALSE;
}

```

```

RadiometricCorrection =
{
  WasApplied = TRUE;
  RadCorrTableReport =
  {
    calOption = "NASA";
    bandInProduct =
    [
      TRUE;
      TRUE;
      TRUE;
      TRUE;
      TRUE;
      TRUE;
      TRUE;
      TRUE;
      TRUE;
    ]
    bandData =
    [
      {
        bandNumber = 1L;
        gainOffsetCoefficient =
        {
          gain = 7.75686e-01;
          offset = -6.20000e+00;
        }
        lowerReflectanceLimit = 0L;
        upperReflectanceLimit = 100L;
        referenceDetector = 15L;
        useDefaultAbsCalibration = FALSE;
        numberDetectors = 16L;
        calibrationCoeffs_ =
        [
          [
            {
              gain = 1.00000e+00;
              offset = 0.00000e+00;
            }
            {
              gain = 1.00000e+00;
              offset = 0.00000e+00;
            }
            {
              gain = 1.00000e+00;
              offset = 0.00000e+00;
            }
            {
              gain = 1.00000e+00;
              offset = 0.00000e+00;
            }
            {
              gain = 1.00000e+00;
              offset = 0.00000e+00;
            }
            {
              gain = 1.00000e+00;
            }
          ]
          gain = 1.00000e+00;
        }
      }
    ]
  }
}

```

```

        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    ]
    [
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    ]

```

```

    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
]
[
{
    gain = 9.63819e-01;
    offset = -7.77714e+00;
}

```

```
{
    gain = 9.56234e-01;
    offset = -7.82476e+00;
}
{
    gain = 9.47616e-01;
    offset = -7.51425e+00;
}
{
    gain = 9.47990e-01;
    offset = -7.61072e+00;
}
{
    gain = 9.45833e-01;
    offset = -7.53119e+00;
}
{
    gain = 9.41808e-01;
    offset = -7.19001e+00;
}
{
    gain = 9.53706e-01;
    offset = -7.48804e+00;
}
{
    gain = 9.51519e-01;
    offset = -7.49805e+00;
}
{
    gain = 9.47091e-01;
    offset = -7.49315e+00;
}
{
    gain = 9.44620e-01;
    offset = -7.35865e+00;
}
{
    gain = 9.46533e-01;
    offset = -7.30630e+00;
}
{
    gain = 9.44156e-01;
    offset = -7.60109e+00;
}
{
    gain = 9.51393e-01;
    offset = -7.58848e+00;
}
{
    gain = 9.43908e-01;
    offset = -7.61055e+00;
}
{
    gain = 9.58559e-01;
    offset = -8.00757e+00;
}
}
```

```
        gain = 9.61108e-01;
        offset = -8.14633e+00;
    }
]
[
    {
        gain = 9.63819e-01;
        offset = -7.77714e+00;
    }
    {
        gain = 9.56234e-01;
        offset = -7.82476e+00;
    }
    {
        gain = 9.47616e-01;
        offset = -7.51425e+00;
    }
    {
        gain = 9.47990e-01;
        offset = -7.61072e+00;
    }
    {
        gain = 9.45833e-01;
        offset = -7.53119e+00;
    }
    {
        gain = 9.41808e-01;
        offset = -7.19001e+00;
    }
    {
        gain = 9.53706e-01;
        offset = -7.48804e+00;
    }
    {
        gain = 9.51519e-01;
        offset = -7.49805e+00;
    }
    {
        gain = 9.47091e-01;
        offset = -7.49315e+00;
    }
    {
        gain = 9.44620e-01;
        offset = -7.35865e+00;
    }
    {
        gain = 9.46533e-01;
        offset = -7.30630e+00;
    }
    {
        gain = 9.44156e-01;
        offset = -7.60109e+00;
    }
    {
        gain = 9.51393e-01;
        offset = -7.58848e+00;
    }
}
```

[illegible]

```

    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    ]
    [
        {
            gain = 1.000000e+00;
            offset = 0.000000e+00;
        }
        {
            gain = 1.000000e+00;
            offset = 0.000000e+00;
        }
        {
            gain = 1.000000e+00;
            offset = 0.000000e+00;
        }
        {
            gain = 1.000000e+00;
            offset = 0.000000e+00;
        }
        {
            gain = 1.000000e+00;
            offset = 0.000000e+00;
        }
    ]

```

```
offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
{
    gain = 1.000000e+00;
    offset = 0.000000e+00;
}
]
[
{
    gain = 9.44067e-01;
    offset = -7.88296e+00;
}
{
    gain = 9.55831e-01;
    offset = -7.88971e+00;
}
}
```

```

    gain = 9.45490e-01;
    offset = -7.54314e+00;
}
{
    gain = 9.50929e-01;
    offset = -7.67115e+00;
}
{
    gain = 9.39295e-01;
    offset = -7.29271e+00;
}
{
    gain = 9.42527e-01;
    offset = -7.51840e+00;
}
{
    gain = 9.58459e-01;
    offset = -7.62038e+00;
}
{
    gain = 9.40122e-01;
    offset = -7.53774e+00;
}
{
    gain = 9.42215e-01;
    offset = -7.53772e+00;
}
{
    gain = 9.45135e-01;
    offset = -7.53968e+00;
}
{
    gain = 9.43786e-01;
    offset = -7.41812e+00;
}
{
    gain = 9.47773e-01;
    offset = -7.71533e+00;
}
{
    gain = 9.54468e-01;
    offset = -7.66026e+00;
}
{
    gain = 9.40774e-01;
    offset = -7.60559e+00;
}
{
    gain = 9.50529e-01;
    offset = -7.64969e+00;
}
{
    gain = 9.56400e-01;
    offset = -7.83928e+00;
}
}
]
[

```

```
{
  gain = 9.44067e-01;
  offset = -7.88296e+00;
}
{
  gain = 9.55831e-01;
  offset = -7.88971e+00;
}
{
  gain = 9.45490e-01;
  offset = -7.54314e+00;
}
{
  gain = 9.50929e-01;
  offset = -7.67115e+00;
}
{
  gain = 9.39295e-01;
  offset = -7.29271e+00;
}
{
  gain = 9.42527e-01;
  offset = -7.51840e+00;
}
{
  gain = 9.58459e-01;
  offset = -7.62038e+00;
}
{
  gain = 9.40122e-01;
  offset = -7.53774e+00;
}
{
  gain = 9.42215e-01;
  offset = -7.53772e+00;
}
{
  gain = 9.45135e-01;
  offset = -7.53968e+00;
}
{
  gain = 9.43786e-01;
  offset = -7.41812e+00;
}
{
  gain = 9.47773e-01;
  offset = -7.71533e+00;
}
{
  gain = 9.54468e-01;
  offset = -7.66026e+00;
}
{
  gain = 9.40774e-01;
  offset = -7.60559e+00;
}
}
```

[illegible]

[illegible]

[illegible]

```

        offset = -7.69624e+00;
    }
    {
        gain = 9.55351e-01;
        offset = -7.68924e+00;
    }
    {
        gain = 9.42417e-01;
        offset = -7.54369e+00;
    }
    {
        gain = 9.52107e-01;
        offset = -7.62215e+00;
    }
    {
        gain = 9.42990e-01;
        offset = -7.49943e+00;
    }
    {
        gain = 9.51254e-01;
        offset = -7.66883e+00;
    }
    {
        gain = 9.59959e-01;
        offset = -7.69929e+00;
    }
    {
        gain = 9.60268e-01;
        offset = -7.79121e+00;
    }
    {
        gain = 9.52255e-01;
        offset = -7.71271e+00;
    }
    {
        gain = 9.52525e-01;
        offset = -7.68600e+00;
    }
    {
        gain = 9.49598e-01;
        offset = -7.58839e+00;
    }
    {
        gain = 9.54028e-01;
        offset = -7.87988e+00;
    }
    {
        gain = 9.60434e-01;
        offset = -7.91631e+00;
    }
    ]
    [
    {
        gain = 9.51418e-01;
        offset = -7.75518e+00;
    }
    {

```

```
    gain = 9.46473e-01;
    offset = -7.64338e+00;
}
{
    gain = 9.51136e-01;
    offset = -7.60988e+00;
}
{
    gain = 9.51007e-01;
    offset = -7.69624e+00;
}
{
    gain = 9.55351e-01;
    offset = -7.68924e+00;
}
{
    gain = 9.42417e-01;
    offset = -7.54369e+00;
}
{
    gain = 9.52107e-01;
    offset = -7.62215e+00;
}
{
    gain = 9.42990e-01;
    offset = -7.49943e+00;
}
{
    gain = 9.51254e-01;
    offset = -7.66883e+00;
}
{
    gain = 9.59959e-01;
    offset = -7.69929e+00;
}
{
    gain = 9.60268e-01;
    offset = -7.79121e+00;
}
{
    gain = 9.52255e-01;
    offset = -7.71271e+00;
}
{
    gain = 9.52525e-01;
    offset = -7.68600e+00;
}
{
    gain = 9.49598e-01;
    offset = -7.58839e+00;
}
{
    gain = 9.54028e-01;
    offset = -7.87988e+00;
}
{
    gain = 9.60434e-01;
```

```

        offset = -7.91631e+00;
    }
]
]
}
{
    bandNumber = 4L;
    gainOffsetCoefficient =
    {
        gain = 9.65490e-01;
        offset = -5.10001e+00;
    }
    lowerReflectanceLimit = 0L;
    upperReflectanceLimit = 100L;
    referenceDetector = 7L;
    useDefaultAbsCalibration = FALSE;
    numberDetectors = 16L;
    calibrationCoeffs_ =
    [
        [
            {
                gain = 9.72887e-01;
                offset = -5.24605e+00;
            }
            {
                gain = 9.53858e-01;
                offset = -5.03781e+00;
            }
            {
                gain = 9.63198e-01;
                offset = -5.15670e+00;
            }
            {
                gain = 9.60025e-01;
                offset = -5.13826e+00;
            }
            {
                gain = 9.61862e-01;
                offset = -5.11111e+00;
            }
            {
                gain = 9.52919e-01;
                offset = -5.03517e+00;
            }
            {
                gain = 9.61619e-01;
                offset = -5.07942e+00;
            }
            {
                gain = 9.55435e-01;
                offset = -4.90462e+00;
            }
            {
                gain = 9.70120e-01;
                offset = -5.18816e+00;
            }
        ]
    ]
}

```

```

    gain = 9.61118e-01;
    offset = -4.95049e+00;
}
{
    gain = 9.64891e-01;
    offset = -5.06870e+00;
}
{
    gain = 9.67090e-01;
    offset = -5.07952e+00;
}
{
    gain = 9.51835e-01;
    offset = -5.04438e+00;
}
{
    gain = 9.70308e-01;
    offset = -5.18028e+00;
}
{
    gain = 9.64503e-01;
    offset = -5.04818e+00;
}
{
    gain = 9.68330e-01;
    offset = -5.07785e+00;
}
]
[
    {
        gain = 9.72887e-01;
        offset = -5.24605e+00;
    }
    {
        gain = 9.53858e-01;
        offset = -5.03781e+00;
    }
    {
        gain = 9.63198e-01;
        offset = -5.15670e+00;
    }
    {
        gain = 9.60025e-01;
        offset = -5.13826e+00;
    }
    {
        gain = 9.61862e-01;
        offset = -5.11111e+00;
    }
    {
        gain = 9.52919e-01;
        offset = -5.03517e+00;
    }
    {
        gain = 9.61619e-01;
        offset = -5.07942e+00;
    }
}

```

```

    {
        gain = 9.55435e-01;
        offset = -4.90462e+00;
    }
    {
        gain = 9.70120e-01;
        offset = -5.18816e+00;
    }
    {
        gain = 9.61118e-01;
        offset = -4.95049e+00;
    }
    {
        gain = 9.64891e-01;
        offset = -5.06870e+00;
    }
    {
        gain = 9.67090e-01;
        offset = -5.07952e+00;
    }
    {
        gain = 9.51835e-01;
        offset = -5.04438e+00;
    }
    {
        gain = 9.70308e-01;
        offset = -5.18028e+00;
    }
    {
        gain = 9.64503e-01;
        offset = -5.04818e+00;
    }
    {
        gain = 9.68330e-01;
        offset = -5.07785e+00;
    }
]
[
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }

```

```

    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    ]
[
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }

```

[illegible]

[illegible]

[illegible]

```

    gain = 1.00000e+00;
    offset = 0.00000e+00;
}
{
    gain = 1.00000e+00;
    offset = 0.00000e+00;
}
{
    gain = 1.00000e+00;
    offset = 0.00000e+00;
}
{
    gain = 1.00000e+00;
    offset = 0.00000e+00;
}
{
    gain = 1.00000e+00;
    offset = 0.00000e+00;
}
{
    gain = 1.00000e+00;
    offset = 0.00000e+00;
}
{
    gain = 1.00000e+00;
    offset = 0.00000e+00;
}
}
[
{
    gain = 9.54334e-01;
    offset = -7.43314e+00;
}
{
    gain = 9.50097e-01;
    offset = -7.55951e+00;
}
{
    gain = 9.50796e-01;
    offset = -7.57447e+00;
}
{
    gain = 9.46193e-01;
    offset = -7.52222e+00;
}
{
    gain = 9.44137e-01;
    offset = -7.44701e+00;
}
{
    gain = 9.51678e-01;
    offset = -7.60100e+00;
}
}

```

```

    {
        gain = 9.64721e-01;
        offset = -7.75427e+00;
    }
    {
        gain = 9.58619e-01;
        offset = -7.64535e+00;
    }
    {
        gain = 9.57982e-01;
        offset = -7.63075e+00;
    }
    {
        gain = 9.50862e-01;
        offset = -7.49584e+00;
    }
    {
        gain = 9.52978e-01;
        offset = -7.74865e+00;
    }
    {
        gain = 9.61711e-01;
        offset = -7.66213e+00;
    }
    {
        gain = 9.54634e-01;
        offset = -7.60382e+00;
    }
    {
        gain = 9.58824e-01;
        offset = -7.63062e+00;
    }
    {
        gain = 9.56843e-01;
        offset = -7.55413e+00;
    }
    {
        gain = 9.51605e-01;
        offset = -7.55945e+00;
    }
]
[
    {
        gain = 9.54334e-01;
        offset = -7.43314e+00;
    }
    {
        gain = 9.50097e-01;
        offset = -7.55951e+00;
    }
    {
        gain = 9.50796e-01;
        offset = -7.57447e+00;
    }
    {
        gain = 9.46193e-01;
        offset = -7.52222e+00;
    }

```

```

    }
    {
        gain = 9.44137e-01;
        offset = -7.44701e+00;
    }
    {
        gain = 9.51678e-01;
        offset = -7.60100e+00;
    }
    {
        gain = 9.64721e-01;
        offset = -7.75427e+00;
    }
    {
        gain = 9.58619e-01;
        offset = -7.64535e+00;
    }
    {
        gain = 9.57982e-01;
        offset = -7.63075e+00;
    }
    {
        gain = 9.50862e-01;
        offset = -7.49584e+00;
    }
    {
        gain = 9.52978e-01;
        offset = -7.74865e+00;
    }
    {
        gain = 9.61711e-01;
        offset = -7.66213e+00;
    }
    {
        gain = 9.54634e-01;
        offset = -7.60382e+00;
    }
    {
        gain = 9.58824e-01;
        offset = -7.63062e+00;
    }
    {
        gain = 9.56843e-01;
        offset = -7.55413e+00;
    }
    {
        gain = 9.51605e-01;
        offset = -7.55945e+00;
    }
    ]
}
{
    bandNumber = 6L;
    gainOffsetCoefficient =
    {
        gain = 6.68235e-02;
    }
}

```

```

    offset = 0.00000e+00;
}
lowerReflectanceLimit = 0L;
upperReflectanceLimit = 100L;
referenceDetector = 8L;
useDefaultAbsCalibration = FALSE;
numberDetectors = 8L;
calibrationCoeffs_ =
[
  [
    {
      gain = 8.67545e-01;
      offset = 2.63639e+01;
    }
    {
      gain = 8.84123e-01;
      offset = 2.45409e+01;
    }
    {
      gain = 8.60507e-01;
      offset = 2.69723e+01;
    }
    {
      gain = 8.61515e-01;
      offset = 2.68400e+01;
    }
    {
      gain = 8.43446e-01;
      offset = 2.86887e+01;
    }
    {
      gain = 8.84927e-01;
      offset = 2.44215e+01;
    }
    {
      gain = 8.42647e-01;
      offset = 2.87668e+01;
    }
    {
      gain = 8.27634e-01;
      offset = 3.02969e+01;
    }
  ]
  [
    {
      gain = 8.67545e-01;
      offset = 2.63639e+01;
    }
    {
      gain = 8.84123e-01;
      offset = 2.45409e+01;
    }
    {
      gain = 8.60507e-01;
      offset = 2.69723e+01;
    }
  ]
]

```

```

        gain = 8.61515e-01;
        offset = 2.68400e+01;
    }
    {
        gain = 8.43446e-01;
        offset = 2.86887e+01;
    }
    {
        gain = 8.84927e-01;
        offset = 2.44215e+01;
    }
    {
        gain = 8.42647e-01;
        offset = 2.87668e+01;
    }
    {
        gain = 8.27634e-01;
        offset = 3.02969e+01;
    }
]
[
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
]
[
    {
        gain = 1.00000e+00;

```

```

        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    }
    ]
}
{
    bandNumber = 7L;
    gainOffsetCoefficient =
    {
        gain = 4.37255e-02;
        offset = -3.50000e-01;
    }
    lowerReflectanceLimit = 0L;
    upperReflectanceLimit = 100L;
    referenceDetector = 10L;
    useDefaultAbsCalibration = FALSE;
    numberDetectors = 16L;
    calibrationCoeffs_ =
    [
        [
            {
                gain = 1.00000e+00;
                offset = 0.00000e+00;
            }
            {
                gain = 1.00000e+00;
                offset = 0.00000e+00;
            }
        ]
    ]
}

```

[illegible]

[illegible]

```

        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
]
[
    {
        gain = 9.49013e-01;
        offset = -7.62729e+00;
    }
    {
        gain = 9.46303e-01;
        offset = -7.49539e+00;
    }
    {
        gain = 9.63276e-01;
        offset = -7.73221e+00;
    }
    {
        gain = 9.30663e-01;
        offset = -7.43642e+00;
    }
    {
        gain = 9.50552e-01;
        offset = -7.53746e+00;
    }
    {
        gain = 9.64172e-01;
        offset = -7.74286e+00;
    }
    {
        gain = 9.53376e-01;
        offset = -7.60360e+00;
    }
    {
        gain = 9.50523e-01;
        offset = -7.54654e+00;
    }
    {
        gain = 9.51061e-01;
        offset = -7.56752e+00;
    }
    {
        gain = 9.58114e-01;
        offset = -7.62869e+00;
    }
    {
        gain = 9.58040e-01;
        offset = -7.69400e+00;
    }
    {
        gain = 9.60827e-01;
        offset = -7.79901e+00;
    }
}

```

```

    {
        gain = 9.50671e-01;
        offset = -7.55728e+00;
    }
    {
        gain = 9.62575e-01;
        offset = -7.76050e+00;
    }
    {
        gain = 9.52831e-01;
        offset = -7.71195e+00;
    }
    {
        gain = 9.51791e-01;
        offset = -7.66004e+00;
    }
]
[
    {
        gain = 9.49013e-01;
        offset = -7.62729e+00;
    }
    {
        gain = 9.46303e-01;
        offset = -7.49539e+00;
    }
    {
        gain = 9.63276e-01;
        offset = -7.73221e+00;
    }
    {
        gain = 9.30663e-01;
        offset = -7.43642e+00;
    }
    {
        gain = 9.50552e-01;
        offset = -7.53746e+00;
    }
    {
        gain = 9.64172e-01;
        offset = -7.74286e+00;
    }
    {
        gain = 9.53376e-01;
        offset = -7.60360e+00;
    }
    {
        gain = 9.50523e-01;
        offset = -7.54654e+00;
    }
    {
        gain = 9.51061e-01;
        offset = -7.56752e+00;
    }
    {
        gain = 9.58114e-01;
        offset = -7.62869e+00;
    }

```

```

    }
    {
        gain = 9.58040e-01;
        offset = -7.69400e+00;
    }
    {
        gain = 9.60827e-01;
        offset = -7.79901e+00;
    }
    {
        gain = 9.50671e-01;
        offset = -7.55728e+00;
    }
    {
        gain = 9.62575e-01;
        offset = -7.76050e+00;
    }
    {
        gain = 9.52831e-01;
        offset = -7.71195e+00;
    }
    {
        gain = 9.51791e-01;
        offset = -7.66004e+00;
    }
    ]
]
}
{
    bandNumber = 8L;
    gainOffsetCoefficient =
    {
        gain = 9.71765e-01;
        offset = -4.70000e+00;
    }
    lowerReflectanceLimit = 0L;
    upperReflectanceLimit = 100L;
    referenceDetector = 27L;
    useDefaultAbsCalibration = FALSE;
    numberDetectors = 32L;
    calibrationCoeffs_ =
    [
        [
            {
                gain = 9.61286e-01;
                offset = -4.66302e+00;
            }
            {
                gain = 9.67595e-01;
                offset = -4.69006e+00;
            }
            {
                gain = 9.68833e-01;
                offset = -4.77286e+00;
            }
            {
                gain = 9.68818e-01;

```

```
    offset = -4.73868e+00;
}
{
    gain = 9.58048e-01;
    offset = -4.66061e+00;
}
{
    gain = 9.60016e-01;
    offset = -4.68592e+00;
}
{
    gain = 9.58242e-01;
    offset = -4.59623e+00;
}
{
    gain = 9.70172e-01;
    offset = -4.71217e+00;
}
{
    gain = 9.54438e-01;
    offset = -4.66251e+00;
}
{
    gain = 9.63268e-01;
    offset = -4.64186e+00;
}
{
    gain = 9.58425e-01;
    offset = -4.73257e+00;
}
{
    gain = 9.61051e-01;
    offset = -4.62350e+00;
}
{
    gain = 9.60921e-01;
    offset = -4.72575e+00;
}
{
    gain = 9.64317e-01;
    offset = -4.64664e+00;
}
{
    gain = 9.50234e-01;
    offset = -4.53339e+00;
}
{
    gain = 9.65118e-01;
    offset = -4.63135e+00;
}
{
    gain = 9.65484e-01;
    offset = -4.71118e+00;
}
{
    gain = 9.55345e-01;
    offset = -4.65977e+00;
```

```
}
{
    gain = 9.57694e-01;
    offset = -4.68614e+00;
}
{
    gain = 9.62335e-01;
    offset = -4.61214e+00;
}
{
    gain = 9.52325e-01;
    offset = -4.62208e+00;
}
{
    gain = 9.57994e-01;
    offset = -4.61211e+00;
}
{
    gain = 9.51556e-01;
    offset = -4.55140e+00;
}
{
    gain = 9.51949e-01;
    offset = -4.47658e+00;
}
{
    gain = 9.65475e-01;
    offset = -4.58943e+00;
}
{
    gain = 9.57867e-01;
    offset = -4.61908e+00;
}
{
    gain = 9.65796e-01;
    offset = -4.64923e+00;
}
{
    gain = 9.60412e-01;
    offset = -4.55774e+00;
}
{
    gain = 9.65430e-01;
    offset = -4.66917e+00;
}
{
    gain = 9.55628e-01;
    offset = -4.63595e+00;
}
{
    gain = 9.66855e-01;
    offset = -4.67551e+00;
}
{
    gain = 9.56595e-01;
    offset = -4.63106e+00;
}
}
```

```
]
[
{
  gain = 9.61286e-01;
  offset = -4.66302e+00;
}
{
  gain = 9.67595e-01;
  offset = -4.69006e+00;
}
{
  gain = 9.68833e-01;
  offset = -4.77286e+00;
}
{
  gain = 9.68818e-01;
  offset = -4.73868e+00;
}
{
  gain = 9.58048e-01;
  offset = -4.66061e+00;
}
{
  gain = 9.60016e-01;
  offset = -4.68592e+00;
}
{
  gain = 9.58242e-01;
  offset = -4.59623e+00;
}
{
  gain = 9.70172e-01;
  offset = -4.71217e+00;
}
{
  gain = 9.54438e-01;
  offset = -4.66251e+00;
}
{
  gain = 9.63268e-01;
  offset = -4.64186e+00;
}
{
  gain = 9.58425e-01;
  offset = -4.73257e+00;
}
{
  gain = 9.61051e-01;
  offset = -4.62350e+00;
}
{
  gain = 9.60921e-01;
  offset = -4.72575e+00;
}
{
  gain = 9.64317e-01;
  offset = -4.64664e+00;
}
```

```
}
{
    gain = 9.50234e-01;
    offset = -4.53339e+00;
}
{
    gain = 9.65118e-01;
    offset = -4.63135e+00;
}
{
    gain = 9.65484e-01;
    offset = -4.71118e+00;
}
{
    gain = 9.55345e-01;
    offset = -4.65977e+00;
}
{
    gain = 9.57694e-01;
    offset = -4.68614e+00;
}
{
    gain = 9.62335e-01;
    offset = -4.61214e+00;
}
{
    gain = 9.52325e-01;
    offset = -4.62208e+00;
}
{
    gain = 9.57994e-01;
    offset = -4.61211e+00;
}
{
    gain = 9.51556e-01;
    offset = -4.55140e+00;
}
{
    gain = 9.51949e-01;
    offset = -4.47658e+00;
}
{
    gain = 9.65475e-01;
    offset = -4.58943e+00;
}
{
    gain = 9.57867e-01;
    offset = -4.61908e+00;
}
{
    gain = 9.65796e-01;
    offset = -4.64923e+00;
}
{
    gain = 9.60412e-01;
    offset = -4.55774e+00;
}
}
```

[illegible]

[illegible]

[illegible]

[illegible]

```
{
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    {
        gain = 1.000000e+00;
        offset = 0.000000e+00;
    }
    ]
}
{
bandNumber = 9L;
gainOffsetCoefficient =
{
    gain = 3.70588e-02;
    offset = 3.20000e+00;
```

```

}
lowerReflectanceLimit = 0L;
upperReflectanceLimit = 100L;
referenceDetector = 8L;
useDefaultAbsCalibration = FALSE;
numberDetectors = 8L;
calibrationCoeffs_ =
[
  [
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
  ]
  [
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
    }
  ]

```

```

        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    ]
    [
        {
            gain = 9.45033e-01;
            offset = 3.48288e+00;
        }
        {
            gain = 9.60560e-01;
            offset = 1.79726e+00;
        }
        {
            gain = 9.34142e-01;
            offset = 4.56239e+00;
        }
        {
            gain = 9.34633e-01;
            offset = 4.42022e+00;
        }
        {
            gain = 9.16941e-01;
            offset = 6.20225e+00;
        }
        {
            gain = 9.65246e-01;
            offset = 1.18525e+00;
        }
        {
            gain = 9.12746e-01;
            offset = 6.61138e+00;
        }
        {
            gain = 8.94824e-01;
            offset = 8.41373e+00;
        }
    ]
    [
        {
            gain = 9.45033e-01;
            offset = 3.48288e+00;
        }
    ]

```

```

    }
    {
        gain = 9.60560e-01;
        offset = 1.79726e+00;
    }
    {
        gain = 9.34142e-01;
        offset = 4.56239e+00;
    }
    {
        gain = 9.34633e-01;
        offset = 4.42022e+00;
    }
    {
        gain = 9.16941e-01;
        offset = 6.20225e+00;
    }
    {
        gain = 9.65246e-01;
        offset = 1.18525e+00;
    }
    {
        gain = 9.12746e-01;
        offset = 6.61138e+00;
    }
    {
        gain = 8.94824e-01;
        offset = 8.41373e+00;
    }
    ]
    ]
    }
    ]
    }
}
=====
RadQa.input:
=====
{
    commonChildInputParams =
    {
        productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003018400003/Product_";
        reportName = "RadQa.report";
    }
    MeasureBandSaturation = TRUE;
    ImagePathname =
"/usr1/nlaps/RT/workorders/011011003018400003/Product__OPR_MsResampler.tif";
    MeasureDetectorStriping = TRUE;
    satellite = "LS7 ";
    sensor = "ETMP";
}
=====
RadQa.report:
=====
{

```

```

ReportHeader =
{
  ReportName = "RadiometricQA_Report";
  VersionNumber = 1.0000000000000000e+00;
  WorkOrderId = "011011003018400003";
  StartTime = "Wed Oct 24 09:42:14 2001";
  StartTimeRecord =
  {
    year = 2001;
    month = 10;
    day = 24;
    hour = 9;
    minute = 42;
    sec = 14;
    usec = 0;
    time_system = 2;
  }
  CompletionTime = "Wed Oct 24 09:42:16 2001";
  CompletionTimeRecord =
  {
    year = 2001;
    month = 10;
    day = 24;
    hour = 9;
    minute = 42;
    sec = 16;
    usec = 0;
    time_system = 2;
  }
  CpuTime = 6.3000000000000000e-01;
}
BandSaturationCounts =
[
  {
    Band = 1L;
    NumSaturatedPixels = 0.0000000000000000e+00;
    PercentSaturatedPixels = 0.0000000000000000e+00;
  }
  {
    Band = 2L;
    NumSaturatedPixels = 0.0000000000000000e+00;
    PercentSaturatedPixels = 0.0000000000000000e+00;
  }
  {
    Band = 3L;
    NumSaturatedPixels = 0.0000000000000000e+00;
    PercentSaturatedPixels = 0.0000000000000000e+00;
  }
  {
    Band = 4L;
    NumSaturatedPixels = 0.0000000000000000e+00;
    PercentSaturatedPixels = 0.0000000000000000e+00;
  }
  {
    Band = 5L;
    NumSaturatedPixels = 0.0000000000000000e+00;
    PercentSaturatedPixels = 0.0000000000000000e+00;
  }
]

```

```

    }
    {
        Band = 6L;
        NumSaturatedPixels = 0.000000000000000e+00;
        PercentSaturatedPixels = 0.000000000000000e+00;
    }
    {
        Band = 7L;
        NumSaturatedPixels = 0.000000000000000e+00;
        PercentSaturatedPixels = 0.000000000000000e+00;
    }
    {
        Band = 8L;
        NumSaturatedPixels = 0.000000000000000e+00;
        PercentSaturatedPixels = 0.000000000000000e+00;
    }
    {
        Band = 9L;
        NumSaturatedPixels = 0.000000000000000e+00;
        PercentSaturatedPixels = 0.000000000000000e+00;
    }
}
StripingMeasurement =
{
    BandMeasurements =
    [
        {
            Band = 1L;
            BandStriping = 1.522227583606589e-01;
        }
        {
            Band = 2L;
            BandStriping = 2.186362060697829e-01;
        }
        {
            Band = 3L;
            BandStriping = 3.003976017958260e-01;
        }
        {
            Band = 4L;
            BandStriping = 3.499837497782387e-01;
        }
        {
            Band = 5L;
            BandStriping = 4.304180320693793e-01;
        }
        {
            Band = 6L;
            BandStriping = 1.041553171649111e-01;
        }
        {
            Band = 7L;
            BandStriping = 2.383106569650264e-01;
        }
        {
            Band = 8L;
            BandStriping = 2.239425294136648e-01;
        }
    ]
}

```

```

    }
    {
        Band = 9L;
        BandStriping = 1.846211415511007e-01;
    }
]
ChipMeasurements =
[
    {
        Band = 1L;
        Lines = 128L;
        PixelsPerLine = 128L;
        CentreLineAttr = 1.197599975585938e+03;
        CentrePixelAttr = 1.268000000000000e+03;
        Mean = 5.978247070312500e+01;
        StandardDeviation = 8.077426061147213e-01;
        ChipStriping = 9.594030661745781e-02;
    }
    {
        Band = 1L;
        Lines = 128L;
        PixelsPerLine = 128L;
        CentreLineAttr = 2.394199951171875e+03;
        CentrePixelAttr = 2.535000000000000e+03;
        Mean = 5.808972167968750e+01;
        StandardDeviation = 1.517896066595325e+00;
        ChipStriping = 2.115349483848573e-01;
    }
    {
        Band = 1L;
        Lines = 128L;
        PixelsPerLine = 128L;
        CentreLineAttr = 3.590800048828125e+03;
        CentrePixelAttr = 3.802000244140625e+03;
        Mean = 6.571606445312500e+01;
        StandardDeviation = 1.859403834399873e+00;
        ChipStriping = 1.912542385453910e-01;
    }
    {
        Band = 1L;
        Lines = 128L;
        PixelsPerLine = 128L;
        CentreLineAttr = 4.787399902343750e+03;
        CentrePixelAttr = 5.069000000000000e+03;
        Mean = 6.097863769531250e+01;
        StandardDeviation = 1.564267641613663e+00;
        ChipStriping = 1.101615398949295e-01;
    }
    {
        Band = 2L;
        Lines = 128L;
        PixelsPerLine = 128L;
        CentreLineAttr = 1.197599975585938e+03;
        CentrePixelAttr = 1.268000000000000e+03;
        Mean = 4.622656250000000e+01;
        StandardDeviation = 1.603462097538382e+00;
        ChipStriping = 1.469770948818673e-01;
    }

```

```

}
{
    Band = 2L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 2.394199951171875e+03;
    CentrePixelAttr = 2.535000000000000e+03;
    Mean = 4.428411865234375e+01;
    StandardDeviation = 4.831102742653403e+00;
    ChipStriping = 3.598238453411639e-01;
}
{
    Band = 2L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 3.590800048828125e+03;
    CentrePixelAttr = 3.802000244140625e+03;
    Mean = 5.227691650390625e+01;
    StandardDeviation = 2.254928025874085e+00;
    ChipStriping = 1.685748613740023e-01;
}
{
    Band = 2L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 4.787399902343750e+03;
    CentrePixelAttr = 5.069000000000000e+03;
    Mean = 4.638446044921875e+01;
    StandardDeviation = 1.729270131369877e+00;
    ChipStriping = 1.991690226820983e-01;
}
{
    Band = 3L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 1.197599975585938e+03;
    CentrePixelAttr = 1.268000000000000e+03;
    Mean = 3.151165771484375e+01;
    StandardDeviation = 1.720621649407694e+00;
    ChipStriping = 2.234209304570245e-01;
}
{
    Band = 3L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 2.394199951171875e+03;
    CentrePixelAttr = 2.535000000000000e+03;
    Mean = 4.004638671875000e+01;
    StandardDeviation = 9.443075074390780e+00;
    ChipStriping = 6.513360679878155e-01;
}
{
    Band = 3L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 3.590800048828125e+03;
    CentrePixelAttr = 3.802000244140625e+03;

```

```

Mean = 4.311602783203125e+01;
StandardDeviation = 3.573651723753801e+00;
ChipStriping = 1.818165759194688e-01;
}
{
Band = 3L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 4.787399902343750e+03;
CentrePixelAttr = 5.069000000000000e+03;
Mean = 3.723724365234375e+01;
StandardDeviation = 1.983452979783662e+00;
ChipStriping = 1.450168328189951e-01;
}
{
Band = 4L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 1.197599975585938e+03;
CentrePixelAttr = 1.268000000000000e+03;
Mean = 8.382141113281250e+01;
StandardDeviation = 5.298608432972276e+00;
ChipStriping = 4.482580546133299e-01;
}
{
Band = 4L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 2.394199951171875e+03;
CentrePixelAttr = 2.535000000000000e+03;
Mean = 6.045635986328125e+01;
StandardDeviation = 6.580399762980507e+00;
ChipStriping = 2.732329911550888e-01;
}
{
Band = 4L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 3.590800048828125e+03;
CentrePixelAttr = 3.802000244140625e+03;
Mean = 7.233959960937500e+01;
StandardDeviation = 6.013136861900665e+00;
ChipStriping = 2.804805800554089e-01;
}
{
Band = 4L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 4.787399902343750e+03;
CentrePixelAttr = 5.069000000000000e+03;
Mean = 8.940838623046875e+01;
StandardDeviation = 6.234906603859608e+00;
ChipStriping = 3.979633732891273e-01;
}
{
Band = 5L;
Lines = 128L;

```

```

    PixelsPerLine = 128L;
    CentreLineAttr = 1.197599975585938e+03;
    CentrePixelAttr = 1.268000000000000e+03;
    Mean = 4.434503173828125e+01;
    StandardDeviation = 2.615041056860237e+00;
    ChipStriping = 3.025918024778337e-01;
}
{
    Band = 5L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 2.394199951171875e+03;
    CentrePixelAttr = 2.535000000000000e+03;
    Mean = 4.911737060546875e+01;
    StandardDeviation = 4.126825964810540e+00;
    ChipStriping = 4.922376887934752e-01;
}
{
    Band = 5L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 3.590800048828125e+03;
    CentrePixelAttr = 3.802000244140625e+03;
    Mean = 7.251367187500000e+01;
    StandardDeviation = 7.969255797845655e+00;
    ChipStriping = 3.611681270100364e-01;
}
{
    Band = 5L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 4.787399902343750e+03;
    CentrePixelAttr = 5.069000000000000e+03;
    Mean = 7.322656250000000e+01;
    StandardDeviation = 1.074603819477415e+01;
    ChipStriping = 5.656745099961720e-01;
}
{
    Band = 6L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 5.992000122070312e+02;
    CentrePixelAttr = 6.344000244140625e+02;
    Mean = 1.264975585937500e+02;
    StandardDeviation = 1.596212765611144e+00;
    ChipStriping = 7.098249826466344e-02;
}
{
    Band = 6L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 1.197400024414062e+03;
    CentrePixelAttr = 1.267800048828125e+03;
    Mean = 1.239610595703125e+02;
    StandardDeviation = 1.400883921590651e+00;
    ChipStriping = 8.204465225024565e-02;
}

```

```

{
  Band = 6L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 1.795600097656250e+03;
  CentrePixelAttr = 1.901200073242188e+03;
  Mean = 1.399374389648438e+02;
  StandardDeviation = 2.281296715682646e+00;
  ChipStriping = 1.004119270204424e-01;
}
{
  Band = 6L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 2.393800048828125e+03;
  CentrePixelAttr = 2.534600097656250e+03;
  Mean = 1.361106567382812e+02;
  StandardDeviation = 1.499490262632357e+00;
  ChipStriping = 1.631821911242929e-01;
}
{
  Band = 7L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 1.197599975585938e+03;
  CentrePixelAttr = 1.268000000000000e+03;
  Mean = 2.159515380859375e+01;
  StandardDeviation = 2.065583076823507e+00;
  ChipStriping = 1.592547205209246e-01;
}
{
  Band = 7L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 2.394199951171875e+03;
  CentrePixelAttr = 2.535000000000000e+03;
  Mean = 2.605895996093750e+01;
  StandardDeviation = 2.309192221664874e+00;
  ChipStriping = 2.387999570370550e-01;
}
{
  Band = 7L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 3.590800048828125e+03;
  CentrePixelAttr = 3.802000244140625e+03;
  Mean = 3.759289550781250e+01;
  StandardDeviation = 3.432958097065895e+00;
  ChipStriping = 3.452289542384343e-01;
}
{
  Band = 7L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 4.787399902343750e+03;
  CentrePixelAttr = 5.069000000000000e+03;
  Mean = 3.558306884765625e+01;

```

```

StandardDeviation = 7.118276259194491e+00;
ChipStriping = 2.099589960636917e-01;
}
{
Band = 8L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 2.394400146484375e+03;
CentrePixelAttr = 2.536800048828125e+03;
Mean = 5.625146484375000e+01;
StandardDeviation = 2.914516342043973e+00;
ChipStriping = 1.179964893091423e-01;
}
{
Band = 8L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 4.787800292968750e+03;
CentrePixelAttr = 5.072600097656250e+03;
Mean = 4.223223876953125e+01;
StandardDeviation = 6.403538178505592e+00;
ChipStriping = 4.423740391969119e-01;
}
{
Band = 8L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 7.181200195312500e+03;
CentrePixelAttr = 7.608400390625000e+03;
Mean = 5.718023681640625e+01;
StandardDeviation = 3.584380723517155e+00;
ChipStriping = 2.457806841588741e-01;
}
{
Band = 8L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 9.574600585937500e+03;
CentrePixelAttr = 1.014420019531250e+04;
Mean = 6.217248535156250e+01;
StandardDeviation = 3.030593896923762e+00;
ChipStriping = 8.961890498973099e-02;
}
{
Band = 9L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 5.992000122070312e+02;
CentrePixelAttr = 6.344000244140625e+02;
Mean = 1.420958862304688e+02;
StandardDeviation = 2.943463981784489e+00;
ChipStriping = 1.307566904814322e-01;
}
{
Band = 9L;
Lines = 128L;
PixelsPerLine = 128L;

```

```

        CentreLineAttr = 1.197400024414062e+03;
        CentrePixelAttr = 1.267800048828125e+03;
        Mean = 1.374547119140625e+02;
        StandardDeviation = 2.532586460158059e+00;
        ChipStriping = 1.231133776685667e-01;
    }
    {
        Band = 9L;
        Lines = 128L;
        PixelsPerLine = 128L;
        CentreLineAttr = 1.795600097656250e+03;
        CentrePixelAttr = 1.901200073242188e+03;
        Mean = 1.662958374023438e+02;
        StandardDeviation = 4.138767890752532e+00;
        ChipStriping = 1.813534176962440e-01;
    }
    {
        Band = 9L;
        Lines = 128L;
        PixelsPerLine = 128L;
        CentreLineAttr = 2.393800048828125e+03;
        CentrePixelAttr = 2.534600097656250e+03;
        Mean = 1.593097534179688e+02;
        StandardDeviation = 2.710677972045752e+00;
        ChipStriping = 3.032610803581600e-01;
    }
    ]
}
Evaluation =
[
    {
        Band = 1L;
        StripingTolerance = 1.000000000000000e+00;
        BandPassed = TRUE;
    }
    {
        Band = 2L;
        StripingTolerance = 1.000000000000000e+00;
        BandPassed = TRUE;
    }
    {
        Band = 3L;
        StripingTolerance = 1.000000000000000e+00;
        BandPassed = TRUE;
    }
    {
        Band = 4L;
        StripingTolerance = 1.000000000000000e+00;
        BandPassed = TRUE;
    }
    {
        Band = 5L;
        StripingTolerance = 1.000000000000000e+00;
        BandPassed = TRUE;
    }
    {
        Band = 6L;

```

```

        StripingTolerance = 1.0000000000000000e+00;
        BandPassed = TRUE;
    }
    {
        Band = 7L;
        StripingTolerance = 1.0000000000000000e+00;
        BandPassed = TRUE;
    }
    {
        Band = 8L;
        StripingTolerance = 1.0000000000000000e+00;
        BandPassed = TRUE;
    }
    {
        Band = 9L;
        StripingTolerance = 1.0000000000000000e+00;
        BandPassed = TRUE;
    }
}
]
}
=====
BlacklineQa.input:
=====
{
    commonChildInputParams =
    {
        productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003018400003/Product_";
        reportName = "BlacklineQa.report";
    }
    ImagePathname =
"/usr1/nlaps/RT/workorders/011011003018400003/Product__OPR_MsResampler.tif";
}
=====
GeoQa.input:
=====
{
    commonChildInputParams =
    {
        inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/Input_";
        productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003018400003/Product_";
        outputSceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/Output_";
        reportName = "GeoQa.report";
    }
    MeasureBandSaturation = TRUE;
    MeasureDetectorStriping = FALSE;
    EvaluationRequired = TRUE;
    ImagePathname =
"/usr1/nlaps/RT/workorders/011011003018400003/Product__OPR_MsResampler.tif";
    DoAutomaticQaMarking = TRUE;
    ForceManualQaMarking = TRUE;
    demCorrected = TRUE;
    elevCorrected = FALSE;
    baseElevCorrected = FALSE;
}
=====

```

GeoQa.report:

```
=====
{
  ReportHeader =
  {
    ReportName = "GeometricQA_Report";
    VersionNumber = 1.0000000000000000e+00;
    WorkOrderId = "011011003018400003";
    StartTime = "Wed Oct 24 09:42:18 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 24;
      hour = 9;
      minute = 42;
      sec = 18;
      usec = 0;
      time_system = 2;
    }
    CompletionTime = "Wed Oct 24 10:00:49 2001";
    CompletionTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 24;
      hour = 10;
      minute = 0;
      sec = 49;
      usec = 0;
      time_system = 2;
    }
    CpuTime = 1.1340000000000000e+01;
  }
  NumQaControlPoints = 9L;
  Mean =
  {
    AlongTrack = 3.110233545303345e+00;
    AcrossTrack = 2.686263322830200e+00;
    Height = 0.0000000000000000e+00;
    Combined = 4.109691619873047e+00;
  }
  StandardDeviation =
  {
    AlongTrack = 7.794297695159912e+00;
    AcrossTrack = 6.323587894439697e+00;
    Height = 0.0000000000000000e+00;
    Combined = 1.003687381744385e+01;
  }
  MeasuredAbsoluteError =
  {
    AlongTrack = 8.391938209533691e+00;
    AcrossTrack = 6.870500564575195e+00;
    Height = 0.0000000000000000e+00;
    Combined = 1.084566307067871e+01;
  }
  MapAndDigitizationError = 1.148776406320555e+01;
}
```

```

MarkingError = 7.500000000000000e+00;
AbsoluteProductAccuracy =
{
    AlongTrack = 0.000000000000000e+00;
    AcrossTrack = 0.000000000000000e+00;
    Height = 0.000000000000000e+00;
    Combined = 0.000000000000000e+00;
}
RelativeProductAccuracy =
{
    AlongTrack = 0.000000000000000e+00;
    AcrossTrack = 0.000000000000000e+00;
    Height = 0.000000000000000e+00;
    Combined = 0.000000000000000e+00;
}
Evaluation =
{
    AbsoluteTolerance = 1.500000000000000e+01;
    RelativeTolerance = 1.500000000000000e+01;
    PassedGeometricQa = TRUE;
}
ControlPointSummary =
[
    {
        CpNumber = 8832L;
        CpKind = "RCP";
        AutoMarked = FALSE;
        MarkedImageCoordLine = 6.393815917968750e+03;
        MarkedImageCoordPixel = 4.958201660156250e+03;
        GeodeticLatitude = 4.673376526636974e+01;
        GeodeticLongitude = -1.229645578064536e+02;
        Height = 6.099999998882413e+01;
        EarthModelName = "NAD83";
        AlongTrackResidual = 1.500282552056702e+01;
        AcrossTrackResidual = -2.876698324825031e-01;
        HeightResidual = 0.000000000000000e+00;
        CombinedResidual = 1.500558321202804e+01;
    }
    {
        CpNumber = 8831L;
        CpKind = "SCP";
        AutoMarked = TRUE;
        MarkedImageCoordLine = 5.114265625000000e+03;
        MarkedImageCoordPixel = 2.265768066406250e+03;
        GeodeticLatitude = 4.705131598018174e+01;
        GeodeticLongitude = -1.240430139392890e+02;
        Height = 1.768325869739056e+01;
        EarthModelName = "NAD83";
        AlongTrackResidual = 1.364923997970317e+00;
        AcrossTrackResidual = 7.699285077177153e+00;
        HeightResidual = 0.000000000000000e+00;
        CombinedResidual = 7.819335535701105e+00;
    }
    {
        CpNumber = 8828L;
        CpKind = "SCP";
        AutoMarked = FALSE;
    }

```

```

MarkedImageCoordLine = 1.071919726562500e+04;
MarkedImageCoordPixel = 7.797028808593750e+03;
GeodeticLatitude = 4.700294137817718e+01;
GeodeticLongitude = -1.233950410473022e+02;
Height = 2.781811327580363e+01;
EarthModelName = "NAD83";
AlongTrackResidual = 1.500763560918682e+01;
AcrossTrackResidual = 1.385257426901898e-02;
HeightResidual = 0.000000000000000e+00;
CombinedResidual = 1.500764200239152e+01;
}
{
  CpNumber = 8580L;
  CpKind = "RCP";
  AutoMarked = FALSE;
  MarkedImageCoordLine = 3.210367919921875e+03;
  MarkedImageCoordPixel = 3.149894775390625e+03;
  GeodeticLatitude = 4.757482274745827e+01;
  GeodeticLongitude = -1.237248350186092e+02;
  Height = 9.662309998255223e+02;
  EarthModelName = "NAD83";
  AlongTrackResidual = -2.701071959612576e-03;
  AcrossTrackResidual = 2.665561944528948e-03;
  HeightResidual = 0.000000000000000e+00;
  CombinedResidual = 3.794866296870849e-03;
}
{
  CpNumber = 8576L;
  CpKind = "RCP";
  AutoMarked = FALSE;
  MarkedImageCoordLine = 3.843561279296875e+03;
  MarkedImageCoordPixel = 4.141005859375000e+03;
  GeodeticLatitude = 4.741434533629323e+01;
  GeodeticLongitude = -1.233208859302237e+02;
  Height = 1.836689999662340e+02;
  EarthModelName = "NAD83";
  AlongTrackResidual = -4.457608640818560e-03;
  AcrossTrackResidual = 1.070246502404465e-02;
  HeightResidual = 0.000000000000000e+00;
  CombinedResidual = 1.159366345835514e-02;
}
{
  CpNumber = 8453L;
  CpKind = "RCP";
  AutoMarked = FALSE;
  MarkedImageCoordLine = 8.306470703125000e+03;
  MarkedImageCoordPixel = 1.095553613281250e+04;
  GeodeticLatitude = 4.734239847860799e+01;
  GeodeticLongitude = -1.227862570500504e+02;
  Height = 9.313225746154785e-10;
  EarthModelName = "NAD83";
  AlongTrackResidual = 7.783929279299089e+00;
  AcrossTrackResidual = 1.485127724959731e+01;
  HeightResidual = 0.000000000000000e+00;
  CombinedResidual = 1.676752787293154e+01;
}
{

```

```

    CpNumber = 8371L;
    CpKind = "SCP";
    AutoMarked = TRUE;
    MarkedImageCoordLine = 2.532165771484375e+03;
    MarkedImageCoordPixel = 1.732995727539062e+03;
    GeodeticLatitude = 4.774071191541011e+01;
    GeodeticLongitude = -1.243022495787325e+02;
    Height = 8.520605729985982e+01;
    EarthModelName = "NAD83";
    AlongTrackResidual = -1.100137248129749e+01;
    AcrossTrackResidual = 9.402263059016125e+00;
    HeightResidual = 0.000000000000000e+00;
    CombinedResidual = 1.447179142688247e+01;
}
{
    CpNumber = 8361L;
    CpKind = "RCP";
    AutoMarked = FALSE;
    MarkedImageCoordLine = 8.458014526367188e+02;
    MarkedImageCoordPixel = 2.125324218750000e+03;
    GeodeticLatitude = 4.820000298912208e+01;
    GeodeticLongitude = -1.241768400367875e+02;
    Height = 1.219079999746755e+02;
    EarthModelName = "NAD83";
    AlongTrackResidual = -9.525426837662925e-04;
    AcrossTrackResidual = 1.237164812495983e-03;
    HeightResidual = 0.000000000000000e+00;
    CombinedResidual = 1.561382188214952e-03;
}
{
    CpNumber = 8360L;
    CpKind = "RCP";
    AutoMarked = FALSE;
    MarkedImageCoordLine = 4.256591796875000e+03;
    MarkedImageCoordPixel = 1.163150878906250e+04;
    GeodeticLatitude = 4.789112045958903e+01;
    GeodeticLongitude = -1.226739727719893e+02;
    Height = 1.219999999757856e+02;
    EarthModelName = "NAD83";
    AlongTrackResidual = -1.577286962192124e-01;
    AcrossTrackResidual = -7.517243051140459e+00;
    HeightResidual = 0.000000000000000e+00;
    CombinedResidual = 7.518897620763999e+00;
}
]
}
=====
ProductFormatting_0.input:
=====
{
    commonChildInputParams =
    {
        inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/Input_";
        productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003018400003/Product_";
        outputSceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/";
        reportName = "ProductFormatting_0.report";
    }
}

```

```

}
imagePathname =
"/usr1/nlaps/RT/workorders/011011003018400003/Product__OPR_MsResampler.tif";
demPathname ?=
"/usr1/nlaps/RT/workorders/011011003018400003/DEM__OPR_WarpResampler.tif";
productLocation = "/usr1/nlaps/RT/workorders/011011003018400003/";
commonFormattingParams =
{
    satellite = "LS7 ";
    sensor = "ETMP";
    dataStartTime =
    {
        year = 2000;
        month = 7;
        day = 30;
        hour = 18;
        minute = 53;
        sec = 0;
        usec = 0;
        time_system = 2;
    }
    inputMediumType = 4;
    processingLevel = 3;
    standardProductProcessingLevel = "Precision Geocorrection";
    performRadiometricCorrection = TRUE;
    radiometricAlgorithm = 1;
    resamplingKernel ?= "CC";
    performDEM_Correction = TRUE;
    performElevationCorrection = FALSE;
    performAtmosphericCorrection = FALSE;
    mapProjectionParams =
    {
        projDescription =
        {
            projName = "SPCS";
            projection = 2;
            projCoeffs =
            [
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
                0.0000000000000000e+00;
            ]
            referenceSpheroid =
            {
                earth_spheroid_name = "NAD83";
            }
        }
    }
}

```

```

semimajor_axis = 6.3781370000000000e+06;
eccentricity_squared = 6.694380022900790e-03;
earth_centre_offset =
{
    lowerB = 1;
    upperB = 3;
    Bstore =
    [
        0.0000000000000000e+00;
        0.0000000000000000e+00;
        0.0000000000000000e+00;
    ]
}
ellipsoidCode = 7019;
}
}
GCTPZone = 4602;
}
inputLimits =
{
    inputLimits =
    [
        {
            startPixel = 1;
            endPixel = 6336;
            startLine = 17;
            endLine = 5984;
        }
        {
            startPixel = 1;
            endPixel = 6336;
            startLine = 17;
            endLine = 5984;
        }
        {
            startPixel = 1;
            endPixel = 6336;
            startLine = 17;
            endLine = 5984;
        }
        {
            startPixel = 1;
            endPixel = 6336;
            startLine = 17;
            endLine = 5984;
        }
        {
            startPixel = 1;
            endPixel = 3168;
            startLine = 9;
            endLine = 2992;
        }
    ]
}

```

```

    }
    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 17;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 12672;
        startLine = 33;
        endLine = 11968;
    }
    {
        startPixel = 1;
        endPixel = 3168;
        startLine = 9;
        endLine = 2992;
    }
    ]
}
quadrant = 5;
path = 47;
row = 27;
sceneShift ?= 0.0000000000000000e+00F;
outputMediumData =
{
    formatOrganization = 1;
    formatAgencyType = 0;
    outputMediaType = 10;
}
outputBandList =
{
    numBands = 9;
    bandsUsed =
    [
        1;
        2;
        3;
        4;
        5;
        6;
        7;
        8;
        9;
    ]
}
}
formatSpecificInfo =
{
    numberOfScenes = 1.0000000000000000e+00F;
    orientation = 1;
    productSequenceNumber = 123;
    geometricOutline ?= 2;
    writeDem ?= FALSE;
    inputDataFormat ?= 26;
}

```

```

    inputDatasetId ?=
"/diskIngest2/temp/01101100301840003/L72EDC190021218010_HDF.012961757";
}
}
=====
ProductFormatting_0.output:
=====
{
  ReportHeader =
  {
    ReportName = "ProductFormattingReport";
    VersionNumber = 1.0000000000000000e+00;
    WorkOrderId = "01101100301840003";
    StartTime = "Wed Oct 24 10:00:51 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 24;
      hour = 10;
      minute = 0;
      sec = 51;
      usec = 0;
      time_system = 2;
    }
    CompletionTime = "Wed Oct 24 10:01:30 2001";
    CompletionTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 24;
      hour = 10;
      minute = 1;
      sec = 30;
      usec = 0;
      time_system = 2;
    }
    CpuTime = 1.5690000000000000e+01;
  }
  OutputFormat = "NDF";
  ImageOrganization = "BSQ";
  OutputPixelHeight = 3.0000000000000000e+01F;
  OutputPixelWidth = 3.0000000000000000e+01F;
  OutputBands =
  [
    1L;
    2L;
    3L;
    4L;
    5L;
    6L;
    7L;
    8L;
    9L;
  ]
  SceneCentreDateTime =
  {

```

```

    year = 2000;
    month = 7;
    day = 30;
    hour = 18;
    minute = 53;
    sec = 0;
    usec = 945214;
    time_system = 2;
}
SceneStartDateTime =
{
    year = 2000;
    month = 7;
    day = 30;
    hour = 18;
    minute = 52;
    sec = 47;
    usec = 373204;
    time_system = 2;
}
SceneEndDateTime =
{
    year = 2000;
    month = 7;
    day = 30;
    hour = 18;
    minute = 53;
    sec = 14;
    usec = 209578;
    time_system = 2;
}
SceneCentreLatLong =
{
    Latitude = 4.744905317771101e+01;
    Longitude = -1.234194433978610e+02;
}
TopLeftLatLong =
{
    Latitude = 4.839766280572532e+01;
    Longitude = -1.250521349735691e+02;
}
TopRightLatLong =
{
    Latitude = 4.847690195527382e+01;
    Longitude = -1.218955158091608e+02;
}
BottomLeftLatLong =
{
    Latitude = 4.640151860194968e+01;
    Longitude = -1.248853845445457e+02;
}
BottomRightLatLong =
{
    Latitude = 4.647792076916673e+01;
    Longitude = -1.218442989139904e+02;
}
TopLeftMap =

```

```

{
  Northing = 3.503999999983637e+05;
  Easting = 1.62959999999047e+05;
}
TopRightMap =
{
  Northing = 3.503999999983832e+05;
  Easting = 3.96779999999707e+05;
}
BottomLeftMap =
{
  Northing = 1.28099999999925e+05;
  Easting = 1.62959999999987e+05;
}
BottomRightMap =
{
  Northing = 1.28099999999944e+05;
  Easting = 3.96779999999990e+05;
}
ImageLines = 7411L;
ImagePixels = 7795L;
ImageOrientation = 0.000000000000000e+00;
OffNadirAngle = 6.385473588292621e-02;
SunElevation = 5.599496369162387e+01;
SunAzimuth = 1.409862496398236e+02;
NumberOfVolumes = 1;
MediaIdList =
[
  "";
]
OrbitNumber = 87304;
StartFileNumber = 1;
NumberOfFiles = 13;
ProductSize = 5.784777574539185e+02;
SatelliteData =
[
  {
    Time =
    {
      year = 2000L;
      month = 7L;
      day = 30L;
      hour = 18L;
      minute = 52L;
      sec = 47L;
      usec = 373204L;
      time_system = 2L;
    }
    OrbitState =
    {
      Latitude = 4.806228320606613e+01;
      Longitude = -1.230947152119078e+02;
      Radius = 7.075577701884504e+06;
    }
    AttitudeState =
    {
      Roll = -3.657748448597350e-04;

```

```

        Pitch = -1.661303435586528e-04;
        Yaw = -1.889667236400807e-04;
    }
}
{
    Time =
    {
        year = 2000L;
        month = 7L;
        day = 30L;
        hour = 18L;
        minute = 53L;
        sec = 0L;
        usec = 945214L;
        time_system = 2L;
    }
    OrbitState =
    {
        Latitude = 4.725594227991155e+01;
        Longitude = -1.234102698198082e+02;
        Radius = 7.075700666246708e+06;
    }
    AttitudeState =
    {
        Roll = -3.559779158385835e-04;
        Pitch = -1.549275584471603e-04;
        Yaw = -1.573941406153603e-04;
    }
}
{
    Time =
    {
        year = 2000L;
        month = 7L;
        day = 30L;
        hour = 18L;
        minute = 53L;
        sec = 14L;
        usec = 209578L;
        time_system = 2L;
    }
    OrbitState =
    {
        Latitude = 4.646734480486165e+01;
        Longitude = -1.237111544044410e+02;
        Radius = 7.075822194284031e+06;
    }
    AttitudeState =
    {
        Roll = -3.502673190353370e-04;
        Pitch = -2.946439414205408e-04;
        Yaw = -1.306178567895293e-04;
    }
}
]
procImageryFileInfo =
[

```

```
{
  procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003018400003/011011003018400003I.hdr1";
  procImageryFileSize = 1981L;
}
{
  procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003018400003/011011003018400003_I1.dat";
  procImageryFileSize = 231074980L;
}
{
  procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003018400003/011011003018400003I.hdr2";
  procImageryFileSize = 2708L;
}
{
  procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003018400003/011011003018400003_I2.dat";
  procImageryFileSize = 57768745L;
}
{
  procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003018400003/011011003018400003_I3.dat";
  procImageryFileSize = 57768745L;
}
{
  procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003018400003/011011003018400003_I4.dat";
  procImageryFileSize = 57768745L;
}
{
  procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003018400003/011011003018400003_I5.dat";
  procImageryFileSize = 57768745L;
}
{
  procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003018400003/011011003018400003_I6.dat";
  procImageryFileSize = 57768745L;
}
{
  procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003018400003/011011003018400003_I7.dat";
  procImageryFileSize = 57768745L;
}
{
  procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003018400003/011011003018400003I.hdr3";
  procImageryFileSize = 2127L;
}
{
  procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003018400003/011011003018400003_I8.dat";
  procImageryFileSize = 14438385L;
}
}
```

```

        procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003018400003/011011003018400003_I9.dat";
        procImageryFileSize = 14438385L;
    }
    {
        procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003018400003/L71047027_02720000730_MTL.txt";
        procImageryFileSize = 6857L;
    }
}
]
}
=====
Browse.input:
=====
{
    commonChildInputParams =
    {
        inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/Input_";
        reportName = "Browse.report";
    }
    inputImageFileName =
"/usr1/nlaps/RT/workorders/011011003018400003/Product__OPR_MsResampler.tif";
    metaDataFormatType = 2;
    produceBrowseImages = FALSE;
    productDropBoxDirectory = "/usr1/nlaps/RT/workorders/011011003018400003";
    productRelativeImageLocation = "./011011003018400003_";
    productRelativeMetaDataLocation = "./011011003018400003_";
    archiveFiles = FALSE;
    destinationLocation =
    {
        dropBoxDirectory = "/usr1/nlaps/RT/workorders/011011003018400003";
        relativeBrowseImageLocation = "011011003018400003_Browse.36577806.tif";
        relativeBrowseMetaDataLocation = "PGS__011011003018400003.36577806__";
    }
    decimationRecord =
    {
        decimationType = 4;
        maxWidth = 512;
        maxHeight = 512;
        decimation = 2.5000000000000000e-01;
    }
    workOrderPriority = 7.0000000000000000e+00F;
    correctionLevel = "Precision Geocorrection";
    productOrientation = 1;
    path = 47;
    row = 27;
    productSceneShift ?= 0.0000000000000000e+00F;
    productInfo =
    {
        productInputDataSet =
"/diskIngest2/temp/011011003018400003/L72EDC190021218010_HDF.012961757";
        productOutputDataSet = "";
        productGenerationTime = "Wed Oct 24 10:01:30 2001";
        outputMediaType = 10;
        outputFormat = 0;
        productFormat = 0;
        mediaInterleaving = 1;
    }
}

```

```

    productFramingMethod = "Path Row";
}
correctionParameters =
{
    mapProjection = "SPCS";
    zoneNumber = 4602;
    earthEllipsoid = "NAD83";
    resamplingKernel ?= "CC";
    elevationCorrection = "Fine DEM";
    baseElevation = 0.0000000000000000e+00F;
    framingDefinition ?= "Path/Row";
    pixelSpacing ?= 3.0000000000000000e+01F;
    lineSpacing ?= 3.0000000000000000e+01F;
}
stationId ?= "EDC";
}
=====
Browse.report:
=====
{
    ReportHeader =
    {
        ReportName = "browseImageGeneration";
        VersionNumber = 1.0000000000000000e+00;
        WorkOrderId = "011011003018400003";
        StartTime = "Wed Oct 24 10:01:32 2001";
        StartTimeRecord =
        {
            year = 2001;
            month = 10;
            day = 24;
            hour = 10;
            minute = 1;
            sec = 32;
            usec = 0;
            time_system = 2;
        }
        CompletionTime = "Wed Oct 24 10:01:33 2001";
        CompletionTimeRecord =
        {
            year = 2001;
            month = 10;
            day = 24;
            hour = 10;
            minute = 1;
            sec = 33;
            usec = 0;
            time_system = 2;
        }
        CpuTime = 4.9000000000000000e-01;
    }
}
=====
Browse.output:
=====
{
    browseImageFileName = "011011003018400003_BrowseImage.tif";
}

```

```

    browseMetadataFileName = "011011003018400003_BrowseMeta.data";
    allocationId = 0L;
}
=====
ArchiveRadCorr.input:
=====
{
    sceneHandle = "/usr1/nlaps/RT/workorders/011011003018400003/Product_";
    inputFormat = 26;
}
=====
GetProcHistResource.input:
=====
{
    files =
    [
        {
            fileName =
"/usr1/nlaps/RT/workorders/011011003018400003/011011003018400003.his";
            fileSize = 100000L;
        }
        {
            fileName =
"/usr1/nlaps/RT/workorders/011011003018400003/011011003018400003.rpt";
            fileSize = 100000L;
        }
    ]
}
=====
/usr1/nlaps/RT/log/011011003018400003.log:
=====
<created: 24-10-2001 09:12:56>
24-10-2001 09:12:56 Info                                WOLV_Application    MAIN:0009
MAIN_MainCommon.cc:00484
    Process WOLV_Application, PID 34779881@edcs22, started at 24-10-2001
09:12:56

24-10-2001 09:13:02 Info                                WOLV_Application    MAIN:0010
MAIN_MainCommon.cc:00528
    Process WOLV_Application, PID 34779881@edcs22, stopped at 24-10-2001
09:13:02

24-10-2001 09:13:06 Info                                PPGSOCP_Application    WCU:0000
WCU_WriteMessageToWo:00073
    Work order was edited by operator yunag.

24-10-2001 09:13:07 Info                                DDWOE_WoEditor        MAIN:0009
MAIN_MainCommon.cc:00484
    Process DDWOE_WoEditor, PID 36203589@edcs22, started at 24-10-2001
09:13:07

24-10-2001 09:14:27 Info                                DDWOE_WoEditor        MAIN:0010
MAIN_MainCommon.cc:00528

```

Process DDW0E\_WoEditor, PID 36203589@edcsgs22, stopped at 24-10-2001 09:14:27

24-10-2001 09:14:51 Info PPGS0CP\_Application WCU:0000  
WCU\_WriteMessageToWo:00073  
Work order was started by operator yunag.

24-10-2001 09:14:53 Info SCON\_EvmController MAIN:0009  
MAIN\_MainCommon.cc:00484  
Process SCON\_EvmController, PID 36577806@edcsgs22, started at 24-10-2001 09:14:53

24-10-2001 09:14:54 Info WOSV\_WoManagerServer WOSV:0103  
WCU\_WriteMessageToWo:00106  
Workorder started.

24-10-2001 09:14:54 Info WOSV\_WoManagerServer WCU:0000  
WCU\_WriteMessageToWo:00073  
Workorder is executing on host localhost.

24-10-2001 09:14:57 Info ACQ\_InitializeAcqModel MAIN:0009  
MAIN\_MainCommon.cc:00484  
Process ACQ\_InitializeAcqModel, PID 36492299@edcsgs22, started at 24-10-2001 09:14:57

24-10-2001 09:14:57 Warning ACQ\_InitializeAcqModel TIM:0011  
TIM\_TimeModel.cc:00462  
Using Predicted value of UT1 for 2000 7 30

24-10-2001 09:14:57 Warning ACQ\_InitializeAcqModel TIM:0011  
TIM\_TimeModel.cc:00563  
Using Predicted value of UT1 for 2000 7 31

24-10-2001 09:14:58 Warning ACQ\_InitializeAcqModel EAR:0031  
EAR\_PoleWander.cc:00417  
Using predicted, not measured pole wander data for 30-JUL-00.  
24-10-2001 09:14:58 Warning ACQ\_InitializeAcqModel EAR:0031  
EAR\_PoleWander.cc:00417  
Using predicted, not measured pole wander data for 31-JUL-00.

24-10-2001 09:14:59 Info ACQ\_InitializeAcqModel MAIN:0010  
MAIN\_MainCommon.cc:00528  
Process ACQ\_InitializeAcqModel, PID 36492299@edcsgs22, stopped at 24-10-2001 09:14:59

24-10-2001 09:15:01 Info LZR\_Main MAIN:0009  
MAIN\_MainCommon.cc:00484

Process LZR\_Main, PID 36174537@edcs22, started at 24-10-2001 09:15:01

24-10-2001 09:16:50 Info LZR\_Main EPHI:0029  
EPHI\_EtmpEphemeris.c:00393  
The ephemeris file /usr1/nlaps/RT/ephemeris/etmp/L72000213DEFEPH.S00 was  
used for processing.

24-10-2001 09:17:15 Info LZR\_Main MAIN:0010  
MAIN\_MainCommon.cc:00528  
Process LZR\_Main, PID 36174537@edcs22, stopped at 24-10-2001 09:17:15

24-10-2001 09:17:17 Info DEM\_Init MAIN:0009  
MAIN\_MainCommon.cc:00484  
Process DEM\_Init, PID 36423795@edcs22, started at 24-10-2001 09:17:17

24-10-2001 09:17:19 Info DEM\_Init MAIN:0010  
MAIN\_MainCommon.cc:00528  
Process DEM\_Init, PID 36423795@edcs22, stopped at 24-10-2001 09:17:19

24-10-2001 09:17:20 Info PSM\_ModelRefinement MAIN:0009  
MAIN\_MainCommon.cc:00484  
Process PSM\_ModelRefinement, PID 34983499@edcs22, started at 24-10-2001  
09:17:20

24-10-2001 09:19:07 Info MDR\_Application MAIN:0009  
MAIN\_MainCommon.cc:00484  
Process MDR\_Application, PID 35196825@edcs22, started at 24-10-2001  
09:19:07

24-10-2001 09:19:07 Info MDR\_Application MAIN:0015  
MAIN\_MainCommon.cc:00496  
Process MDR\_Application, Started by yunag

24-10-2001 09:26:13 Info MDR\_Application WCU:0000  
WCU\_WriteMessageToWo:00073  
Work Order 011011003018400003 - manual marking was accepted by Operator  
yunag

24-10-2001 09:26:13 Info MDR\_Application MAIN:0010  
MAIN\_MainCommon.cc:00528  
Process MDR\_Application, PID 35196825@edcs22, stopped at 24-10-2001  
09:26:13

24-10-2001 09:26:13 Info MDR\_Application MAIN:0016  
MAIN\_MainCommon.cc:00540  
Process MDR\_Application, Stopped by yunag

24-10-2001 09:26:16 Info PSM\_ModelRefinement MAIN:0010  
MAIN\_MainCommon.cc:00528  
Process PSM\_ModelRefinement, PID 34983499@edcsgs22, stopped at 24-10-2001  
09:26:16

24-10-2001 09:26:18 Info PDD\_DefineGenericProduct MAIN:0009  
MAIN\_MainCommon.cc:00484  
Process PDD\_DefineGenericProduct, PID 36577138@edcsgs22, started at 24-10-  
2001 09:26:18

24-10-2001 09:26:26 Warning PDD\_DefineGenericProduct ACQ:0026  
ACQ\_AcquisitionModel:01074  
Could not convert input coordinates to geodetic coordinates

24-10-2001 09:26:27 Info PDD\_DefineGenericProduct MAIN:0010  
MAIN\_MainCommon.cc:00528  
Process PDD\_DefineGenericProduct, PID 36577138@edcsgs22, stopped at 24-10-  
2001 09:26:27

24-10-2001 09:26:28 Info DEMI\_IngestControl MAIN:0009  
MAIN\_MainCommon.cc:00484  
Process DEMI\_IngestControl, PID 35471951@edcsgs22, started at 24-10-2001  
09:26:28

24-10-2001 09:27:11 Info DEMI\_IngestControl MAIN:0010  
MAIN\_MainCommon.cc:00528  
Process DEMI\_IngestControl, PID 35471951@edcsgs22, stopped at 24-10-2001  
09:27:11

24-10-2001 09:27:12 Info OPR\_WarpResampler MAIN:0009  
MAIN\_MainCommon.cc:00484  
Process OPR\_WarpResampler, PID 36388590@edcsgs22, started at 24-10-2001  
09:27:12

24-10-2001 09:27:38 Info OPR\_WarpResampler MAIN:0010  
MAIN\_MainCommon.cc:00528  
Process OPR\_WarpResampler, PID 36388590@edcsgs22, stopped at 24-10-2001  
09:27:38

24-10-2001 09:27:41 Info OPR\_MsResampler MAIN:0009  
MAIN\_MainCommon.cc:00484  
Process OPR\_MsResampler, PID 36361420@edcsgs22, started at 24-10-2001  
09:27:41

24-10-2001 09:42:13 Info OPR\_MsResampler MAIN:0010  
MAIN\_MainCommon.cc:00528

Process OPR\_MsResampler, PID 36361420@edcsgs22, stopped at 24-10-2001 09:42:13

24-10-2001 09:42:15 Info RQA\_PerformRadiometricQA MAIN:0009  
MAIN\_MainCommon.cc:00484

Process RQA\_PerformRadiometricQA, PID 36157675@edcsgs22, started at 24-10-2001 09:42:15

24-10-2001 09:42:16 Info RQA\_PerformRadiometricQA MAIN:0010  
MAIN\_MainCommon.cc:00528

Process RQA\_PerformRadiometricQA, PID 36157675@edcsgs22, stopped at 24-10-2001 09:42:16

24-10-2001 09:42:17 Info BQA\_BlackfillQa MAIN:0009  
MAIN\_MainCommon.cc:00484

Process BQA\_BlackfillQa, PID 36279677@edcsgs22, started at 24-10-2001 09:42:17

24-10-2001 09:42:17 Info BQA\_BlackfillQa MAIN:0010  
MAIN\_MainCommon.cc:00528

Process BQA\_BlackfillQa, PID 36279677@edcsgs22, stopped at 24-10-2001 09:42:17

24-10-2001 09:42:18 Info GQA\_PerformGeometricQA MAIN:0009  
MAIN\_MainCommon.cc:00484

Process GQA\_PerformGeometricQA, PID 36132207@edcsgs22, started at 24-10-2001 09:42:18

24-10-2001 09:46:57 Info VAL\_Application MAIN:0009  
MAIN\_MainCommon.cc:00484

Process VAL\_Application, PID 36406379@edcsgs22, started at 24-10-2001 09:46:57

24-10-2001 09:46:57 Info VAL\_Application MAIN:0015  
MAIN\_MainCommon.cc:00496

Process VAL\_Application, Started by yunag

24-10-2001 10:00:49 Info VAL\_Application WCU:0000  
WCU\_WriteMessageToWo:00073

Work Order 011011003018400003 - manual marking was accepted by Operator yunag

24-10-2001 10:00:49 Info GQA\_PerformGeometricQA MAIN:0010  
MAIN\_MainCommon.cc:00528

Process GQA\_PerformGeometricQA, PID 36132207@edcsgs22, stopped at 24-10-2001 10:00:49

24-10-2001 10:00:49 Info VAL\_Application MAIN:0010  
MAIN\_MainCommon.cc:00528  
Process VAL\_Application, PID 36406379@edcs22, stopped at 24-10-2001  
10:00:49

24-10-2001 10:00:49 Info VAL\_Application MAIN:0016  
MAIN\_MainCommon.cc:00540  
Process VAL\_Application, Stopped by yunag

24-10-2001 10:00:52 Info TOXNF\_MakeProduct MAIN:0009  
MAIN\_MainCommon.cc:00484  
Process TOXNF\_MakeProduct, PID 35920762@edcs22, started at 24-10-2001  
10:00:52

24-10-2001 10:01:30 Info TOXNF\_MakeProduct MAIN:0010  
MAIN\_MainCommon.cc:00528  
Process TOXNF\_MakeProduct, PID 35920762@edcs22, stopped at 24-10-2001  
10:01:30

24-10-2001 10:01:32 Info BIM\_OpticalBrowse MAIN:0009  
MAIN\_MainCommon.cc:00484  
Process BIM\_OpticalBrowse, PID 36084307@edcs22, started at 24-10-2001  
10:01:32

24-10-2001 10:01:33 Info BIM\_OpticalBrowse MAIN:0010  
MAIN\_MainCommon.cc:00528  
Process BIM\_OpticalBrowse, PID 36084307@edcs22, stopped at 24-10-2001  
10:01:33

24-10-2001 10:01:35 Info RDC\_ArchiveReport MAIN:0009  
MAIN\_MainCommon.cc:00484  
Process RDC\_ArchiveReport, PID 29214183@edcs22, started at 24-10-2001  
10:01:35

24-10-2001 10:01:36 Info RDC\_ArchiveReport MAIN:0010  
MAIN\_MainCommon.cc:00528  
Process RDC\_ArchiveReport, PID 29214183@edcs22, stopped at 24-10-2001  
10:01:36

24-10-2001 10:01:37 Info RMAN\_GetDiskResource MAIN:0009  
MAIN\_MainCommon.cc:00484  
Process RMAN\_GetDiskResource, PID 36615184@edcs22, started at 24-10-2001  
10:01:37

24-10-2001 10:01:38 Info RMAN\_GetDiskResource MAIN:0010  
MAIN\_MainCommon.cc:00528  
Process RMAN\_GetDiskResource, PID 36615184@edcs22, stopped at 24-10-2001  
10:01:38

