

```
=====
011011003017500004 PROCESSING HISTORY
=====
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=====
/usr1/nlaps/RT/productorders/011011003017500004.po:
=====
```

```
{
  InputParams =
  {
    satellite = "Landsat-7";
    sensor = "ETM+";
    AOS_time = "2000 08 17 18:40:56";
    inputDatasetId =
"/diskIngest3/temp/011011003017500004/L72EDC190023018010_HDF.012851656";
    inputMediaType = "Disk";
    inputDataFormat = "L0Rp";
  }
  ControlParams =
  {
    type = "Correction";
    orderId = "011011003017500004";
    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 = 1002890025L;
    messageId =
"/usr1/nlaps/RT/icc/incoming/target/DORRAN_PGS_01101100301754.PGS_ORDER";
    monitorId = "0_35577746";
  }
  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 = 45L;
row = 2.8000000000000000e+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 = "ALDERDALE";
    state = "OR";
    centerLatitude = 4.5812500000000000e+01;
    centerLongitude = -1.1993750000000000e+02;
    scale = "24000";
  }
]

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{
  name = "BRONX CANYON";
  state = "OR";
  centerLatitude = 4.518750000000000e+01;
  centerLongitude = -1.208125000000000e+02;
  scale = "24000";
}
{
  name = "CECIL";
  state = "OR";
  centerLatitude = 4.556250000000000e+01;
  centerLongitude = -1.199375000000000e+02;
  scale = "24000";
}
{
  name = "DEE";
  state = "OR";
  centerLatitude = 4.556250000000000e+01;
  centerLongitude = -1.216875000000000e+02;
  scale = "24000";
}
{
  name = "DUFUR WEST";
  state = "OR";
  centerLatitude = 4.543750000000000e+01;
  centerLongitude = -1.211875000000000e+02;
  scale = "24000";
}
{
  name = "FIVEMILE BUTTE";
  state = "OR";
  centerLatitude = 4.543750000000000e+01;
  centerLongitude = -1.214375000000000e+02;
  scale = "24000";
}
{
  name = "GRASS VALLEY";
  state = "OR";
  centerLatitude = 4.531250000000000e+01;
  centerLongitude = -1.208125000000000e+02;
  scale = "24000";
}
{
  name = "HOOD RIVER";
  state = "OR";
  centerLatitude = 4.568750000000000e+01;
  centerLongitude = -1.215625000000000e+02;
  scale = "24000";
}
{
  name = "INDIAN SPRING";
  state = "OR";
  centerLatitude = 4.531250000000000e+01;
  centerLongitude = -1.204375000000000e+02;
  scale = "24000";
}
{

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    name = "LOCUST GROVE";
    state = "OR";
    centerLatitude = 4.556250000000000e+01;
    centerLongitude = -1.208125000000000e+02;
    scale = "24000";
}
{
    name = "MORO";
    state = "OR";
    centerLatitude = 4.543750000000000e+01;
    centerLongitude = -1.206875000000000e+02;
    scale = "24000";
}
{
    name = "PARKDALE";
    state = "OR";
    centerLatitude = 4.556250000000000e+01;
    centerLongitude = -1.215625000000000e+02;
    scale = "24000";
}
{
    name = "RUFUS";
    state = "OR";
    centerLatitude = 4.568750000000000e+01;
    centerLongitude = -1.206875000000000e+02;
    scale = "24000";
}
{
    name = "SHOESTRING RIDGE";
    state = "OR";
    centerLatitude = 4.518750000000000e+01;
    centerLongitude = -1.204375000000000e+02;
    scale = "24000";
}
{
    name = "SUNDALE NW";
    state = "OR";
    centerLatitude = 4.568750000000000e+01;
    centerLongitude = -1.204375000000000e+02;
    scale = "24000";
}
{
    name = "WAHTUM LAKE";
    state = "OR";
    centerLatitude = 4.556250000000000e+01;
    centerLongitude = -1.218125000000000e+02;
    scale = "24000";
}
{
    name = "APPLETON";
    state = "WA";
    centerLatitude = 4.581250000000000e+01;
    centerLongitude = -1.213125000000000e+02;
    scale = "24000";
}
{
    name = "BIG HUCKLEBERRY MOUNTAIN";

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state = "WA";
centerLatitude = 4.581250000000000e+01;
centerLongitude = -1.218125000000000e+02;
scale = "24000";
}
{
name = "BLACK ROCK SPRING SW";
state = "WA";
centerLatitude = 4.656250000000000e+01;
centerLongitude = -1.201875000000000e+02;
scale = "24000";
}
{
name = "BOBS MOUNTAIN";
state = "WA";
centerLatitude = 4.568750000000000e+01;
centerLongitude = -1.221875000000000e+02;
scale = "24000";
}
{
name = "CAMAS PATCH";
state = "WA";
centerLatitude = 4.618750000000000e+01;
centerLongitude = -1.208125000000000e+02;
scale = "24000";
}
{
name = "CENTERVILLE";
state = "WA";
centerLatitude = 4.581250000000000e+01;
centerLongitude = -1.209375000000000e+02;
scale = "24000";
}
{
name = "DARLAND MOUNTAIN";
state = "WA";
centerLatitude = 4.656250000000000e+01;
centerLongitude = -1.211875000000000e+02;
scale = "24000";
}
{
name = "ELEPHANT MOUNTAIN";
state = "WA";
centerLatitude = 4.656250000000000e+01;
centerLongitude = -1.203125000000000e+02;
scale = "24000";
}
{
name = "FRENCH BUTTE";
state = "WA";
centerLatitude = 4.631250000000000e+01;
centerLongitude = -1.219375000000000e+02;
scale = "24000";
}
{
name = "GOLDENDALE";
state = "WA";

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    centerLatitude = 4.581250000000000e+01;
    centerLongitude = -1.208125000000000e+02;
    scale = "24000";
}
{
    name = "GRANGER NW";
    state = "WA";
    centerLatitude = 4.643750000000000e+01;
    centerLongitude = -1.201875000000000e+02;
    scale = "24000";
}
{
    name = "GUMBOOT MOUNTAIN";
    state = "WA";
    centerLatitude = 4.581250000000000e+01;
    centerLongitude = -1.221875000000000e+02;
    scale = "24000";
}
{
    name = "HARRAH SE";
    state = "WA";
    centerLatitude = 4.631250000000000e+01;
    centerLongitude = -1.205625000000000e+02;
    scale = "24000";
}
{
    name = "IOWA FLATS";
    state = "WA";
    centerLatitude = 4.643750000000000e+01;
    centerLongitude = -1.195625000000000e+02;
    scale = "24000";
}
{
    name = "KUSSHI CREEK";
    state = "WA";
    centerLatitude = 4.606250000000000e+01;
    centerLongitude = -1.205625000000000e+02;
    scale = "24000";
}
{
    name = "LOGY CREEK SW";
    state = "WA";
    centerLatitude = 4.606250000000000e+01;
    centerLongitude = -1.206875000000000e+02;
    scale = "24000";
}
{
    name = "LUNA BUTTE";
    state = "WA";
    centerLatitude = 4.581250000000000e+01;
    centerLongitude = -1.206875000000000e+02;
    scale = "24000";
}
{
    name = "MCCOY PEAK";
    state = "WA";
    centerLatitude = 4.631250000000000e+01;

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    centerLongitude = -1.218125000000000e+02;
    scale = "24000";
}
{
    name = "MOUNT ADAMS EAST";
    state = "WA";
    centerLatitude = 4.618750000000000e+01;
    centerLongitude = -1.214375000000000e+02;
    scale = "24000";
}
{
    name = "NACHES";
    state = "WA";
    centerLatitude = 4.668750000000000e+01;
    centerLongitude = -1.206875000000000e+02;
    scale = "24000";
}
{
    name = "OLD SNOWY MOUNTAIN";
    state = "WA";
    centerLatitude = 4.656250000000000e+01;
    centerLongitude = -1.214375000000000e+02;
    scale = "24000";
}
{
    name = "PINE MOUNTAIN";
    state = "WA";
    centerLatitude = 4.656250000000000e+01;
    centerLongitude = -1.209375000000000e+02;
    scale = "24000";
}
{
    name = "POISEL BUTTE SE";
    state = "WA";
    centerLatitude = 4.606250000000000e+01;
    centerLongitude = -1.203125000000000e+02;
    scale = "24000";
}
{
    name = "PRIEST RAPIDS NE";
    state = "WA";
    centerLatitude = 4.668750000000000e+01;
    centerLongitude = -1.198125000000000e+02;
    scale = "24000";
}
{
    name = "QUARTZ CREEK BUTTE";
    state = "WA";
    centerLatitude = 4.618750000000000e+01;
    centerLongitude = -1.218125000000000e+02;
    scale = "24000";
}
{
    name = "SAGEBRUSH RIDGE";
    state = "WA";
    centerLatitude = 4.631250000000000e+01;
    centerLongitude = -1.198125000000000e+02;

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    scale = "24000";
}
{
    name = "SIOUXON PEAK";
    state = "WA";
    centerLatitude = 4.593750000000000e+01;
    centerLongitude = -1.221875000000000e+02;
    scale = "24000";
}
{
    name = "SPENCER BUTTE";
    state = "WA";
    centerLatitude = 4.618750000000000e+01;
    centerLongitude = -1.219375000000000e+02;
    scale = "24000";
}
{
    name = "STAGMAN BUTTE";
    state = "WA";
    centerLatitude = 4.606250000000000e+01;
    centerLongitude = -1.208125000000000e+02;
    scale = "24000";
}
{
    name = "SUNRISE";
    state = "WA";
    centerLatitude = 4.693750000000000e+01;
    centerLongitude = -1.216875000000000e+02;
    scale = "24000";
}
{
    name = "THE DALLES NORTH";
    state = "WA";
    centerLatitude = 4.568750000000000e+01;
    centerLongitude = -1.211875000000000e+02;
    scale = "24000";
}
{
    name = "TOPPENISH MOUNTAIN";
    state = "WA";
    centerLatitude = 4.631250000000000e+01;
    centerLongitude = -1.206875000000000e+02;
    scale = "24000";
}
{
    name = "TWIN BUTTES";
    state = "WA";
    centerLatitude = 4.606250000000000e+01;
    centerLongitude = -1.210625000000000e+02;
    scale = "24000";
}
{
    name = "WAPATO";
    state = "WA";
    centerLatitude = 4.643750000000000e+01;
    centerLongitude = -1.204375000000000e+02;
    scale = "24000";
}

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    }
    {
        name = "WHITE PINE BUTTES";
        state = "WA";
        centerLatitude = 4.593750000000000e+01;
        centerLongitude = -1.209375000000000e+02;
        scale = "24000";
    }
    {
        name = "WILEY CITY";
        state = "WA";
        centerLatitude = 4.656250000000000e+01;
        centerLongitude = -1.206875000000000e+02;
        scale = "24000";
    }
    {
        name = "WOOD GULCH";
        state = "WA";
        centerLatitude = 4.581250000000000e+01;
        centerLongitude = -1.201875000000000e+02;
        scale = "24000";
    }
    ]
}
header =
{
    name = "internal-formatted PO";
    version = 0L;
    productOrderType = "Correction";
    origin = "External";
    creationTime = 1003154279L;
}
}

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=====
PreIngest.input:
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```

{
    commonChildInputParams =
    {
        reportName = "PreIngest.report";
        inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500004/Input_";
    }
    satelliteName = "LS7 ";
    sensorName = "ETMP";
    referenceTime =
    {
        year = 2000;
        month = 8;
        day = 17;
        hour = 18;
        minute = 40;
        sec = 56;
        usec = 0;
        time_system = 2;
    }
}

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=====
Ingest.input:
=====
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```
{
  commonChildInputParams =
  {
    inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500004/Input_";
    reportName = "Ingest.report";
  }
  priority = 7.000000000000000e+00F;
  manualPositioningRequired ?= FALSE;
  AOSTime =
  {
    year = 2000;
    month = 8;
    day = 17;
    hour = 18;
    minute = 40;
    sec = 56;
    usec = 0;
    time_system = 2;
  }
  satellite = "LS7 ";
  sensor = "ETMP";
  numberOfScenes = 1.500000000000000e+00F;
  ingestBoundaryType ?= 0;
  pathRowCentre ?=
  {
    path = 45;
    row = 28;
    sceneCentreOffset ?= 0.000000000000000e+00F;
  }
  bandList =
  {
    numBands = 9;
    bandsUsed =
    [
      1;
      2;
      3;
      4;
      5;
      6;
      7;
      8;
      9;
    ]
  }
  inputIsTarred ?= FALSE;
  memoryEffectCorrectionRequired ?= FALSE;
  mediumData =
  {
    mediumType = 4;
    format = 26;
    volumeInfo =
    [
      {
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        filenames =
        [
"/diskIngest3/temp/01101100301750004/L72EDC190023018010_HDF.012851656";
        ]
        mediumId =
"/diskIngest3/temp/01101100301750004/L72EDC190023018010_HDF.012851656";
    }
    ]
}
sampleSceneStats = FALSE;
performRadiometricCorrection ?= TRUE;
}
=====
Ingest.output:
=====
{
    InputImage =
    {
        InputImageHandle =
"/usr1/nlaps/RT/workorders/01101100301750004/Input_LZR_Main.tif";
        InputImageResourceId = "/image2";
        InputImageAllocationId = 228996L;
    }
    IngestQualityFlag = TRUE;
    IngestPredictedOrbitFlag = TRUE;
    orbitNumber = 87566;
    ReportHeader =
    {
        ReportName = "Ingest";
        VersionNumber = 1.0000000000000000e+00;
        WorkOrderId = "01101100301750004";
        StartTime = "Mon Oct 15 08:58:23 2001";
        StartTimeRecord =
        {
            year = 2001;
            month = 10;
            day = 15;
            hour = 8;
            minute = 58;
            sec = 23;
            usec = 0;
            time_system = 2;
        }
        CompletionTime = "Mon Oct 15 09:00:58 2001";
        CompletionTimeRecord =
        {
            year = 2001;
            month = 10;
            day = 15;
            hour = 9;
            minute = 0;
            sec = 58;
            usec = 0;
            time_system = 2;
        }
    }
    CpuTime = 1.3895000000000000e+02;
}

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}
ingestStartTime =
{
    year = 2000;
    month = 8;
    day = 17;
    hour = 18;
    minute = 40;
    sec = 42;
    usec = 718000;
    time_system = 2;
}
ingestEndTime =
{
    year = 2000;
    month = 8;
    day = 17;
    hour = 18;
    minute = 41;
    sec = 9;
    usec = 557500;
    time_system = 2;
}
ingestStartTimeString = "2000 08 17 18:40:42.718";
ingestEndTimeString = "2000 08 17 18:41:09.557";
segmentStartTime =
{
    year = 2000;
    month = 8;
    day = 17;
    hour = 18;
    minute = 40;
    sec = 42;
    usec = 718000;
    time_system = 2;
}
segmentEndTime =
{
    year = 2000;
    month = 8;
    day = 17;
    hour = 18;
    minute = 41;
    sec = 9;
    usec = 557500;
    time_system = 2;
}
ProcessingInformation =
{
    TotalNumberOfSwaths = 374;
    TotalNumberSwathsWithSyncLosses = 0;
    TotalNumberOfSyncLosses = 0;
    MinimumLineLength = 6319;
    MaximumLineLength = 6322;
    InputCentreDateAndTimeAtStation =
    {
        year = 2000;

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        month = 8;
        day = 17;
        hour = 18;
        minute = 40;
        sec = 56;
        usec = 137750;
        time_system = 2;
    }
    NumberOfBandsIngested = 9;
    BandNumbersIngested =
    [
        1L;
        2L;
        3L;
        4L;
        5L;
        6L;
        7L;
        8L;
        9L;
    ]
}
}=====
DemInit.input:
=====
{
    inputImageFileName =
"/usr1/nlaps/RT/workorders/011011003017500004/Input_LZR_Main.tif";
    acqModelIdentifier = "/usr1/nlaps/RT/workorders/011011003017500004/Input_";
    spheroidParams =
    {
        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;
    }
    sceneHandle = "/usr1/nlaps/RT/workorders/011011003017500004/Input_";
    demType = 0;
    baseElevation ?= 0.0000000000000000e+00F;
    demPath ?= "";
}
}=====
ModelRefinement.input:
=====
{
    commonChildInputParams =

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{
    inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500004/Input_";
    productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003017500004/Product_";
    outputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500004/Output_";
    reportName = "ModelRefinement.report";
}
imageHandle =
"/usr1/nlaps/RT/workorders/011011003017500004/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:
=====

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```

{
    ReportHeader =
    {
        ReportName = "ModelRefinementReport";
        VersionNumber = 1.0000000000000000e+00;
        WorkOrderId = "011011003017500004";
        StartTime = "Mon Oct 15 09:01:03 2001";
        StartTimeRecord =
        {
            year = 2001;
            month = 10;
            day = 15;
            hour = 9;
            minute = 1;
            sec = 3;
            usec = 0;
            time_system = 2;
        }
        CompletionTime = "Mon Oct 15 09:51:46 2001";
        CompletionTimeRecord =
        {
            year = 2001;
            month = 10;
            day = 15;
            hour = 9;

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        minute = 51;
        sec = 46;
        usec = 0;
        time_system = 2;
    }
    CpuTime = 4.641000000000000e+01;
}
Satellite = "LS7 ";
Sensor = "ETMP";
AcquisitionTime =
{
    year = 2000L;
    month = 8L;
    day = 17L;
    hour = 18L;
    minute = 40L;
    sec = 56L;
    usec = 194233L;
    time_system = 2L;
}
PrecisionModelSummary =
{
    NumberOfCPsInModel = 13L;
    ModelErrors =
    {
        along_track =
        {
            mean_error = -2.420466542243958e-01;
            rms_error = 6.696570396423340e+00;
            std_dev_error = 6.692194461822510e+00;
        }
        across_track =
        {
            mean_error = 1.715596556663513e+00;
            rms_error = 8.092446327209473e+00;
            std_dev_error = 7.908502578735352e+00;
        }
        height =
        {
            mean_error = 8.427377045154572e-02;
            rms_error = 8.170104622840881e-01;
            std_dev_error = 8.126524686813354e-01;
        }
        combined =
        {
            mean_error = 1.734635472297668e+00;
            rms_error = 1.053561782836914e+01;
            std_dev_error = 1.039183712005615e+01;
        }
    }
}
ControlPointsSummary =
[
    {
        CpNumber = 8974L;
        CpAutoMarked = TRUE;
        CpKind = "RCP";
    }
]

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CpLocation =
{
  latitude = 4.618491701594932e+01;
  longitude = -1.209423879928042e+02;
  height = 1.079057945347391e+03;
}
CpResiduals =
{
  alongTrack = -1.478692605861053e+01;
  acrossTrack = 1.206831255228430e+01;
  height = -1.645974356985391e-01;
  combined = 1.908728483672512e+01;
}
}
{
  CpNumber = 9548L;
  CpAutoMarked = TRUE;
  CpKind = "RCP";
  CpLocation =
  {
    latitude = 4.524360450979809e+01;
    longitude = -1.202158214862729e+02;
    height = 9.139999471101910e+02;
  }
  CpResiduals =
  {
    alongTrack = 5.174316651506871e-01;
    acrossTrack = -1.099675774997769e+01;
    height = -1.259610743663417e+00;
    combined = 1.108075068600261e+01;
  }
}
{
  CpNumber = 9545L;
  CpAutoMarked = TRUE;
  CpKind = "SCP";
  CpLocation =
  {
    latitude = 4.539450429384398e+01;
    longitude = -1.215007163213747e+02;
    height = 1.424450999642722e+03;
  }
  CpResiduals =
  {
    alongTrack = 1.406371859661713e+00;
    acrossTrack = 1.227711207769213e+01;
    height = -5.588421515598160e-01;
    combined = 1.237003101557236e+01;
  }
}
{
  CpNumber = 9290L;
  CpAutoMarked = TRUE;
  CpKind = "RCP";
  CpLocation =
  {
    latitude = 4.557151817976519e+01;

```

```

    longitude = -1.223014519454239e+02;
    height = 1.828306979872286e+01;
}
CpResiduals =
{
    alongTrack = 3.918415569657090e+00;
    acrossTrack = 4.845012872662454e+00;
    height = -7.253029708125702e-01;
    combined = 6.273292174948137e+00;
}
}
{
    CpNumber = 8971L;
    CpAutoMarked = TRUE;
    CpKind = "RCP";
    CpLocation =
    {
        latitude = 4.651935695285890e+01;
        longitude = -1.195347907594483e+02;
        height = 2.093975445460528e+02;
    }
    CpResiduals =
    {
        alongTrack = 8.057579723501259e+00;
        acrossTrack = 2.961112050148359e+00;
        height = 3.917517129420842e-01;
        combined = 8.593383790958338e+00;
    }
}
{
    CpNumber = 26514L;
    CpAutoMarked = TRUE;
    CpKind = "RCP";
    CpLocation =
    {
        latitude = 4.683086643148053e+01;
        longitude = -1.215190060479548e+02;
        height = 1.063204944154248e+03;
    }
    CpResiduals =
    {
        alongTrack = 2.790809423715090e+00;
        acrossTrack = -5.857679327647251e+00;
        height = 6.325732967807420e-01;
        combined = 6.519292394182282e+00;
    }
}
{
    CpNumber = 8707L;
    CpAutoMarked = TRUE;
    CpKind = "RCP";
    CpLocation =
    {
        latitude = 4.675657895888786e+01;
        longitude = -1.205946019087620e+02;
        height = 4.876799436444417e+02;
    }
}

```

```

CpResiduals =
{
  alongTrack = 3.232660228226575e-01;
  acrossTrack = 1.323110265140680e+00;
  height = 3.219902512560355e-03;
  combined = 1.362032328178891e+00;
}
}
{
CpNumber = 9273L;
CpAutoMarked = TRUE;
CpKind = "RCP";
CpLocation =
{
  latitude = 4.589203542773209e+01;
  longitude = -1.198122395133537e+02;
  height = 1.391579460240901e+02;
}
CpResiduals =
{
  alongTrack = 1.656721314476677e+00;
  acrossTrack = 1.663292514362146e+01;
  height = 2.205486531198641e+00;
  combined = 1.686010365289771e+01;
}
}
{
CpNumber = 26518L;
CpAutoMarked = TRUE;
CpKind = "RCP";
CpLocation =
{
  latitude = 4.559149131265067e+01;
  longitude = -1.207610535226140e+02;
  height = 3.937379465401173e+02;
}
CpResiduals =
{
  alongTrack = -9.766293123430410e-01;
  acrossTrack = -4.117544713203008e+00;
  height = -1.405214541867241e-01;
  combined = 4.234114495150130e+00;
}
}
{
CpNumber = 9396L;
CpAutoMarked = TRUE;
CpKind = "SCP";
CpLocation =
{
  latitude = 4.591031184206326e+01;
  longitude = -1.217531807878655e+02;
  height = 1.121645999659784e+03;
}
CpResiduals =
{
  alongTrack = 1.095464424801503e+01;

```

```

        acrossTrack = 1.636595420499564e+00;
        height = -1.629253975468812e-01;
        combined = 1.107741936807191e+01;
    }
}
{
    CpNumber = 8731L;
    CpAutoMarked = FALSE;
    CpKind = "RCP";
    CpLocation =
    {
        latitude = 4.659158793171154e+01;
        longitude = -1.21564450961110e+02;
        height = 8.659999446272850e+02;
    }
    CpResiduals =
    {
        alongTrack = -8.054953298141161e+00;
        acrossTrack = -8.332251597568272e+00;
        height = 8.725863834736138e-01;
        combined = 1.162196611236833e+01;
    }
}
{
    CpNumber = 8975L;
    CpAutoMarked = FALSE;
    CpKind = "RCP";
    CpLocation =
    {
        latitude = 4.621466928382747e+01;
        longitude = -1.199495069444189e+02;
        height = 2.079669454200193e+02;
    }
    CpResiduals =
    {
        alongTrack = 2.791732193561060e-01;
        acrossTrack = 7.242459259339661e-03;
        height = 6.551875973830334e-04;
        combined = 2.792679159741832e-01;
    }
}
{
    CpNumber = 9296L;
    CpAutoMarked = FALSE;
    CpKind = "RCP";
    CpLocation =
    {
        latitude = 4.579471030331957e+01;
        longitude = -1.212013460812934e+02;
        height = 1.219999462030828e+02;
    }
    CpResiduals =
    {
        alongTrack = -9.232510929700025e+00;
        acrossTrack = -1.444348284973607e-01;
        height = 1.086178699805984e-03;
        combined = 9.233640704862717e+00;
    }
}

```

[illegible]

```

        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;
}
orientationChoice = 1;
path ?= 45;
row ?= 28;
sceneShift ?= 0.0000000000000000e+00F;
mapPixelSpacing ?= 3.000000000000000e+01;
mapLineSpacing ?= 3.000000000000000e+01;
performRegionCheck = FALSE;
performDEM_Correction = TRUE;
performElevationCorrection = FALSE;
performBaseElevationCorrection = FALSE;
baseElevation = 0.0000000000000000e+00F;
}
=====
ProductDefinition.output:
=====
{
    inputLimits =
    {
        inputLimits =
        [
            {
                startPixel = 1;
                endPixel = 6336;
                startLine = 1;
                endLine = 5984;
            }
            {
                startPixel = 1;
                endPixel = 6336;
                startLine = 1;
                endLine = 5984;
            }
        ]
    }
}

```

```

        startPixel = 1;
        endPixel = 6336;
        startLine = 1;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 1;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 1;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 3168;
        startLine = 1;
        endLine = 2992;
    }
    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 1;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 12672;
        startLine = 1;
        endLine = 11968;
    }
    {
        startPixel = 1;
        endPixel = 3168;
        startLine = 1;
        endLine = 2992;
    }
    ]
}
imageSize =
[
    {
        numLines = 7243;
        numPixels = 7629;
    }
    {
        numLines = 7243;
        numPixels = 7629;
    }
    {
        numLines = 7243;
        numPixels = 7629;
    }
]

```

```

{
  numLines = 7243;
  numPixels = 7629;
}
{
  numLines = 7243;
  numPixels = 7629;
}
{
  numLines = 3621;
  numPixels = 3814;
}
{
  numLines = 7243;
  numPixels = 7629;
}
{
  numLines = 14486;
  numPixels = 15258;
}
{
  numLines = 3621;
  numPixels = 3814;
}
]
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 = 3.550650000000000e+05;
  y = 1.863150000000000e+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;
    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;
}
path = 45;
row = 28;
startRow = 0;
endRow = 0;
floatingEndRow = 0.0000000000000000e+00F;
geodeticCentre =
{
    latitude = 8.034024202650899e-01;
    longitude = -2.110001308205693e+00;
    height = 0.0000000000000000e+00;
}
mapCentre =
{
    x = 4.6948500000000000e+05;
    y = 7.7685000000000000e+04;
    height = 0.0000000000000000e+00;
}

```

```

}
geodeticSceneCorners =
[
    {
        latitude = 8.204545717565869e-01;
        longitude = -2.126281928801765e+00;
        height = 0.000000000000000e+00;
    }
    {
        latitude = 8.142037408247716e-01;
        longitude = -2.083308238893134e+00;
        height = 0.000000000000000e+00;
    }
    {
        latitude = 7.863800084452889e-01;
        longitude = -2.094311400585128e+00;
        height = 0.000000000000000e+00;
    }
    {
        latitude = 7.924520550646799e-01;
        longitude = -2.136109805109007e+00;
        height = 0.000000000000000e+00;
    }
]
geodeticProductCorners =
[
    {
        latitude = 7.860871615726920e-01;
        longitude = -2.135220282662162e+00;
        height = 0.000000000000000e+00;
    }
    {
        latitude = 7.862634775154376e-01;
        longitude = -2.084530552783972e+00;
        height = 0.000000000000000e+00;
    }
    {
        latitude = 8.203792529195301e-01;
        longitude = -2.083857093783180e+00;
        height = 0.000000000000000e+00;
    }
    {
        latitude = 8.201965539179502e-01;
        longitude = -2.136382744413374e+00;
        height = 0.000000000000000e+00;
    }
]
mapProductCorners =
[
    {
        x = 3.550650000000000e+05;
        y = -3.097500000000000e+04;
        height = 0.000000000000000e+00;
    }
    {
        x = 5.839350000000000e+05;
        y = -3.097500000000000e+04;
    }
]

```

```

        height = 0.0000000000000000e+00;
    }
    {
        x = 5.8393500000000000e+05;
        y = 1.8631500000000000e+05;
        height = 0.0000000000000000e+00;
    }
    {
        x = 3.5506500000000000e+05;
        y = 1.8631500000000000e+05;
        height = 0.0000000000000000e+00;
    }
    ]
    blackfillEdgeChoice = 1;
    alignmentChoice = 2;
}
=====
DemIngest.input:
=====
{
    commonChildInputParams =
    {
        reportName = "DemIngest.report";
        inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500004/Input_";
    }
    demList =
    [
        {
            demType = 2;
            mediaType = 4;
            mediaId = "/dem_data/DEM/washingtonDem";
            filename = "washcanus_elev2";
        }
    ]
    priority = 7.0000000000000000e+00F;
    numLines = 7243;
    numPixels = 7629;
    lineSpacing = 3.0000000000000000e+01F;
    pixelSpacing = 3.0000000000000000e+01F;
    mapRefPoint =
    {
        x = 3.5506500000000000e+05;
        y = 1.8631500000000000e+05;
        height = 0.0000000000000000e+00;
    }
    outputOrientation = 0.0000000000000000e+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;
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/011011003017500004/Input__DEMI_IngestControl.tif";
  ImageAllocationId = 229135L;
}
=====
DemIngest.report:
=====
{
  ReportHeader =
  {
    ReportName = "DEM Ingest Report";
    VersionNumber = 1.0000000000000000e+00;
    WorkOrderId = "011011003017500004";
    StartTime = "Mon Oct 15 09:51:59 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
    }
  }
}

```

```

        day = 15;
        hour = 9;
        minute = 51;
        sec = 59;
        usec = 0;
        time_system = 2;
    }
    CompletionTime = "Mon Oct 15 09:52:42 2001";
    CompletionTimeRecord =
    {
        year = 2001;
        month = 10;
        day = 15;
        hour = 9;
        minute = 52;
        sec = 42;
        usec = 0;
        time_system = 2;
    }
    CpuTime = 2.4930000000000000e+01;
}
PixelSpacing = 3.0000000000000000e+01F;
PixelSpacingUnits = "meters";
LineSpacing = 3.0000000000000000e+01F;
LineSpacingUnits = "meters";
ProductOrderNumber = "011011003017500004";
SourceFormat = "LAS";
PixelType = 2L;
HorizontalDatum = "NORTHAM_83_CONUS";
VerticalDatum = "MSL";
UpperLatitude = 4.700839647023725e+01;
RightLongitude = -1.193904108712707e+02;
LowerLatitude = 4.503492099517447e+01;
LeftLongitude = -1.224123689760739e+02;
NumberOfLines = 7276L;
PixelsPerLine = 7661L;
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";
    }
}

```

[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;
}
outputMapRefPoint =
{
  x = 3.550650000000000e+05;
  y = 1.863150000000000e+05;
  height = 0.000000000000000e+00;
}
outputOrientation = 0.000000000000000e+00;
inputLimits =
{
  inputLimits =
  [
    {
      startPixel = 1;
      endPixel = 6336;
      startLine = 1;
      endLine = 5984;
    }
    {
      startPixel = 1;
      endPixel = 6336;
      startLine = 1;
      endLine = 5984;
    }
    {
      startPixel = 1;
      endPixel = 6336;
      startLine = 1;
      endLine = 5984;
    }
    {
      startPixel = 1;
      endPixel = 6336;
      startLine = 1;
      endLine = 5984;
    }
  ]
}

```

```

        startPixel = 1;
        endPixel = 6336;
        startLine = 1;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 3168;
        startLine = 1;
        endLine = 2992;
    }
    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 1;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 12672;
        startLine = 1;
        endLine = 11968;
    }
    {
        startPixel = 1;
        endPixel = 3168;
        startLine = 1;
        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 = 7243;
            numPixels = 7629;
        }
    ]
    outputImageRefPoint =
    [
        {
            line = 5.000000000000000e-01F;
            pixel = 5.000000000000000e-01F;
        }
    ]
}
}
=====
WarpDem.output:
=====
{
    outputImage =
    {
        outputImageHandle =
"/usr1/nlaps/RT/workorders/011011003017500004/DEM__OPR_WarpResampler.tif";
        outputImageAllocationId = 229136L;
    }
}
=====
WarpDem.report:
=====
{
    ReportHeader =
    {
        ReportName = "resamplerReport";
        VersionNumber = 1.000000000000000e+00;
        WorkOrderId = "011011003017500004";
        StartTime = "Mon Oct 15 09:52:43 2001";
        StartTimeRecord =
        {
            year = 2001;
            month = 10;
            day = 15;
            hour = 9;
            minute = 52;
            sec = 43;
            usec = 0;
            time_system = 2;
        }
        CompletionTime = "Mon Oct 15 09:52:58 2001";
        CompletionTimeRecord =
        {
            year = 2001;
            month = 10;
            day = 15;
            hour = 9;
            minute = 52;
            sec = 58;
        }
    }
}

```

```

        usec = 0;
        time_system = 2;
    }
    CpuTime = 3.1560000000000000e+01;
}
GeometricCorrectionLevel = "map-projected";
ProductInfo =
{
    Projection = "SPCS";
    GCTPZone = 4602;
    Datum = "NAD83";
    Orientation = 0.0000000000000000e+00;
}
ResamplingInfo =
{
    Method = "1 PASS";
    Kernel = "Bilinear";
}
SatelliteAngleOfIncidence = 0.0000000000000000e+00;
SatelliteAngleOfIncidenceDirection = "L";
SatelliteIncidentOrientation = 0.0000000000000000e+00;
SatelliteOffNadirPointingAngle = 0.0000000000000000e+00;
OffNadirPointingAngle = 0.0000000000000000e+00;
DemCorrection =
{
    WasApplied = FALSE;
}
ElevationCorrection =
{
    WasApplied = FALSE;
}
RadiometricCorrection =
{
    WasApplied = FALSE;
}
}
=====
ImageCorrection.input:
=====
{
    commonChildInputParams =
    {
        inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500004/Input_";
        productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003017500004/Product_";
        reportName = "ImageCorrection.report";
    }
    priority = 7.0000000000000000e+00F;
    InputImageFile =
"/usr1/nlaps/RT/workorders/011011003017500004/Input_LZR_Main.tif";
    InputDemFile =
"/usr1/nlaps/RT/workorders/011011003017500004/DEM__OPR_WarpResampler.tif";
    ResampleImageOrDemFlag = TRUE;
    productSpecification =
    {
        satellite = "LS7 ";
        sensor = "ETMP";
    }
}

```

```

processingLevel = "Precision Geocorrection";
outputPixelType = 2;
blackfillEdgeChoice = 1;
path = 45;
row = 28;
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 = 6.3781370000000000e+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;
}
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 = 3.5506500000000000e+05;
    y = 1.8631500000000000e+05;
    height = 0.0000000000000000e+00;
}
outputOrientation = 0.0000000000000000e+00;
inputLimits =
{
    inputLimits =
    [
        {
            startPixel = 1;
            endPixel = 6336;
            startLine = 1;
            endLine = 5984;
        }
        {
            startPixel = 1;
            endPixel = 6336;
            startLine = 1;
            endLine = 5984;
        }
        {
            startPixel = 1;
            endPixel = 6336;
            startLine = 1;
            endLine = 5984;
        }
    ]
}

```

```

    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 1;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 1;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 3168;
        startLine = 1;
        endLine = 2992;
    }
    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 1;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 12672;
        startLine = 1;
        endLine = 11968;
    }
    {
        startPixel = 1;
        endPixel = 3168;
        startLine = 1;
        endLine = 2992;
    }
]
}
imageSize =
[
    {
        numLines = 7243;
        numPixels = 7629;
    }
    {
        numLines = 7243;
        numPixels = 7629;
    }
    {
        numLines = 7243;
        numPixels = 7629;
    }
    {
        numLines = 7243;
        numPixels = 7629;
    }
    {

```

```

    numLines = 7243;
    numPixels = 7629;
  }
  {
    numLines = 3621;
    numPixels = 3814;
  }
  {
    numLines = 7243;
    numPixels = 7629;
  }
  {
    numLines = 14486;
    numPixels = 15258;
  }
  {
    numLines = 3621;
    numPixels = 3814;
  }
]
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/011011003017500004/Product__OPR_MsResampler.tif";
    outputImageAllocationId = 229155L;
  }
}
=====
ImageCorrection.report:
=====

```

```

{
  ReportHeader =
  {
    ReportName = "resamplerReport";
    VersionNumber = 1.0000000000000000e+00;
    WorkOrderId = "011011003017500004";
    StartTime = "Mon Oct 15 09:53:01 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 9;
      minute = 53;
      sec = 1;
      usec = 0;
      time_system = 2;
    }
    CompletionTime = "Mon Oct 15 10:05:32 2001";
    CompletionTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 10;
      minute = 5;
      sec = 32;
      usec = 0;
      time_system = 2;
    }
    CpuTime = 1.5297900000000000e+03;
  }
  GeometricCorrectionLevel = "map-projected";
  ProductInfo =
  {
    Projection = "SPCS";
    GCTPZone = 4602;
    Datum = "NAD83";
    Orientation = 0.0000000000000000e+00;
  }
  ResamplingInfo =
  {
    Method = "1 PASS";
    Kernel = "CC";
  }
  SatelliteAngleOfIncidence = 2.461197806951105e-01;
  SatelliteAngleOfIncidenceDirection = "R";
  SatelliteIncidentOrientation = 1.702657429582956e+02;
  SatelliteOffNadirPointingAngle = 5.871130821787068e-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 = 1.000000e+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]

```
    offset = -7.50573e+00;
}
{
    gain = 9.49205e-01;
    offset = -7.33134e+00;
}
{
    gain = 9.45620e-01;
    offset = -7.34580e+00;
}
{
    gain = 9.45253e-01;
    offset = -7.39895e+00;
}
{
    gain = 9.43148e-01;
    offset = -7.33089e+00;
}
{
    gain = 9.45158e-01;
    offset = -7.34589e+00;
}
{
    gain = 9.57012e-01;
    offset = -7.72250e+00;
}
{
    gain = 9.54015e-01;
    offset = -7.65832e+00;
}
{
    gain = 9.49975e-01;
    offset = -7.68447e+00;
}
{
    gain = 9.48728e-01;
    offset = -7.61833e+00;
}
{
    gain = 9.51429e-01;
    offset = -7.63832e+00;
}
{
    gain = 9.45329e-01;
    offset = -7.70477e+00;
}
{
    gain = 9.52664e-01;
    offset = -7.68242e+00;
}
{
    gain = 9.44409e-01;
    offset = -7.66720e+00;
}
{
    gain = 9.57106e-01;
    offset = -7.95510e+00;
```

```

    }
    {
        gain = 9.57321e-01;
        offset = -7.95479e+00;
    }
]
[
    {
        gain = 9.59483e-01;
        offset = -7.50573e+00;
    }
    {
        gain = 9.49205e-01;
        offset = -7.33134e+00;
    }
    {
        gain = 9.45620e-01;
        offset = -7.34580e+00;
    }
    {
        gain = 9.45253e-01;
        offset = -7.39895e+00;
    }
    {
        gain = 9.43148e-01;
        offset = -7.33089e+00;
    }
    {
        gain = 9.45158e-01;
        offset = -7.34589e+00;
    }
    {
        gain = 9.57012e-01;
        offset = -7.72250e+00;
    }
    {
        gain = 9.54015e-01;
        offset = -7.65832e+00;
    }
    {
        gain = 9.49975e-01;
        offset = -7.68447e+00;
    }
    {
        gain = 9.48728e-01;
        offset = -7.61833e+00;
    }
    {
        gain = 9.51429e-01;
        offset = -7.63832e+00;
    }
    {
        gain = 9.45329e-01;
        offset = -7.70477e+00;
    }
    {
        gain = 9.52664e-01;
    }

```

[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 = 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 = 1.000000e+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 = 9.40779e-01;
  offset = -7.73497e+00;
}
{
  gain = 9.51706e-01;
  offset = -7.66479e+00;
}
```

```
}
{
    gain = 9.44083e-01;
    offset = -7.42143e+00;
}
{
    gain = 9.47625e-01;
    offset = -7.47429e+00;
}
{
    gain = 9.40023e-01;
    offset = -7.23371e+00;
}
{
    gain = 9.41837e-01;
    offset = -7.44287e+00;
}
{
    gain = 9.60662e-01;
    offset = -7.72556e+00;
}
{
    gain = 9.41439e-01;
    offset = -7.61166e+00;
}
{
    gain = 9.42224e-01;
    offset = -7.52828e+00;
}
{
    gain = 9.46235e-01;
    offset = -7.58254e+00;
}
{
    gain = 9.47655e-01;
    offset = -7.61027e+00;
}
{
    gain = 9.47769e-01;
    offset = -7.76646e+00;
}
{
    gain = 9.56617e-01;
    offset = -7.80218e+00;
}
{
    gain = 9.41382e-01;
    offset = -7.67815e+00;
}
{
    gain = 9.52166e-01;
    offset = -7.77522e+00;
}
{
    gain = 9.55565e-01;
    offset = -7.86751e+00;
}
}
```

```

]
[
{
    gain = 9.40779e-01;
    offset = -7.73497e+00;
}
{
    gain = 9.51706e-01;
    offset = -7.66479e+00;
}
{
    gain = 9.44083e-01;
    offset = -7.42143e+00;
}
{
    gain = 9.47625e-01;
    offset = -7.47429e+00;
}
{
    gain = 9.40023e-01;
    offset = -7.23371e+00;
}
{
    gain = 9.41837e-01;
    offset = -7.44287e+00;
}
{
    gain = 9.60662e-01;
    offset = -7.72556e+00;
}
{
    gain = 9.41439e-01;
    offset = -7.61166e+00;
}
{
    gain = 9.42224e-01;
    offset = -7.52828e+00;
}
{
    gain = 9.46235e-01;
    offset = -7.58254e+00;
}
{
    gain = 9.47655e-01;
    offset = -7.61027e+00;
}
{
    gain = 9.47769e-01;
    offset = -7.76646e+00;
}
{
    gain = 9.56617e-01;
    offset = -7.80218e+00;
}
{
    gain = 9.41382e-01;
    offset = -7.67815e+00;
}

```

[illegible]

```
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 = 1.00000e+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 = 9.50283e-01;
    offset = -7.70672e+00;
}
{
    gain = 9.46336e-01;
    offset = -7.57172e+00;
}
{
    gain = 9.51793e-01;
    offset = -7.54950e+00;
}
}

```

```

    {
        gain = 9.49392e-01;
        offset = -7.59638e+00;
    }
    {
        gain = 9.54306e-01;
        offset = -7.60110e+00;
    }
    {
        gain = 9.43459e-01;
        offset = -7.51135e+00;
    }
    {
        gain = 9.53796e-01;
        offset = -7.65769e+00;
    }
    {
        gain = 9.45072e-01;
        offset = -7.54111e+00;
    }
    {
        gain = 9.52120e-01;
        offset = -7.71517e+00;
    }
    {
        gain = 9.61934e-01;
        offset = -7.77428e+00;
    }
    {
        gain = 9.60188e-01;
        offset = -7.86360e+00;
    }
    {
        gain = 9.52009e-01;
        offset = -7.74319e+00;
    }
    {
        gain = 9.53085e-01;
        offset = -7.76756e+00;
    }
    {
        gain = 9.50715e-01;
        offset = -7.65144e+00;
    }
    {
        gain = 9.51537e-01;
        offset = -7.89337e+00;
    }
    {
        gain = 9.57236e-01;
        offset = -7.85761e+00;
    }
]
[
    {
        gain = 9.50283e-01;
        offset = -7.70672e+00;
    }

```

```
}
{
    gain = 9.46336e-01;
    offset = -7.57172e+00;
}
{
    gain = 9.51793e-01;
    offset = -7.54950e+00;
}
{
    gain = 9.49392e-01;
    offset = -7.59638e+00;
}
{
    gain = 9.54306e-01;
    offset = -7.60110e+00;
}
{
    gain = 9.43459e-01;
    offset = -7.51135e+00;
}
{
    gain = 9.53796e-01;
    offset = -7.65769e+00;
}
{
    gain = 9.45072e-01;
    offset = -7.54111e+00;
}
{
    gain = 9.52120e-01;
    offset = -7.71517e+00;
}
{
    gain = 9.61934e-01;
    offset = -7.77428e+00;
}
{
    gain = 9.60188e-01;
    offset = -7.86360e+00;
}
{
    gain = 9.52009e-01;
    offset = -7.74319e+00;
}
{
    gain = 9.53085e-01;
    offset = -7.76756e+00;
}
{
    gain = 9.50715e-01;
    offset = -7.65144e+00;
}
{
    gain = 9.51537e-01;
    offset = -7.89337e+00;
}
}
```

```

        {
            gain = 9.57236e-01;
            offset = -7.85761e+00;
        }
    ]
}
{
    bandNumber = 4L;
    gainOffsetCoefficient =
    {
        gain = 9.65490e-01;
        offset = -5.10001e+00;
    }
    lowerReflectanceLimit = 0L;
    upperReflectanceLimit = 100L;
    referenceDetector = 7L;
    useDefaultAbsCalibration = FALSE;
    numberDetectors = 16L;
    calibrationCoeffs_ =
    [
        [
            {
                gain = 9.74224e-01;
                offset = -5.32180e+00;
            }
            {
                gain = 9.53457e-01;
                offset = -4.99427e+00;
            }
            {
                gain = 9.62505e-01;
                offset = -5.08162e+00;
            }
            {
                gain = 9.60407e-01;
                offset = -5.14610e+00;
            }
            {
                gain = 9.60728e-01;
                offset = -4.99095e+00;
            }
            {
                gain = 9.52477e-01;
                offset = -4.98415e+00;
            }
            {
                gain = 9.61254e-01;
                offset = -5.00638e+00;
            }
            {
                gain = 9.53352e-01;
                offset = -4.74335e+00;
            }
            {
                gain = 9.70843e-01;
                offset = -5.24167e+00;
            }
        ]
    ]
}

```

```

    }
    {
        gain = 9.58873e-01;
        offset = -4.83800e+00;
    }
    {
        gain = 9.63662e-01;
        offset = -4.96094e+00;
    }
    {
        gain = 9.67389e-01;
        offset = -5.11494e+00;
    }
    {
        gain = 9.52237e-01;
        offset = -5.07747e+00;
    }
    {
        gain = 9.73291e-01;
        offset = -5.43403e+00;
    }
    {
        gain = 9.65336e-01;
        offset = -5.14304e+00;
    }
    {
        gain = 9.69959e-01;
        offset = -5.26770e+00;
    }
]
[
    {
        gain = 9.74224e-01;
        offset = -5.32180e+00;
    }
    {
        gain = 9.53457e-01;
        offset = -4.99427e+00;
    }
    {
        gain = 9.62505e-01;
        offset = -5.08162e+00;
    }
    {
        gain = 9.60407e-01;
        offset = -5.14610e+00;
    }
    {
        gain = 9.60728e-01;
        offset = -4.99095e+00;
    }
    {
        gain = 9.52477e-01;
        offset = -4.98415e+00;
    }
    {
        gain = 9.61254e-01;

```

```

    offset = -5.00638e+00;
  }
  {
    gain = 9.53352e-01;
    offset = -4.74335e+00;
  }
  {
    gain = 9.70843e-01;
    offset = -5.24167e+00;
  }
  {
    gain = 9.58873e-01;
    offset = -4.83800e+00;
  }
  {
    gain = 9.63662e-01;
    offset = -4.96094e+00;
  }
  {
    gain = 9.67389e-01;
    offset = -5.11494e+00;
  }
  {
    gain = 9.52237e-01;
    offset = -5.07747e+00;
  }
  {
    gain = 9.73291e-01;
    offset = -5.43403e+00;
  }
  {
    gain = 9.65336e-01;
    offset = -5.14304e+00;
  }
  {
    gain = 9.69959e-01;
    offset = -5.26770e+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;
}
}
[
{
    gain = 1.00000e+00;
    offset = 0.00000e+00;
}
{
    gain = 1.00000e+00;
    offset = 0.00000e+00;
}
}

```


[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 = 9.56315e-01;
        offset = -7.38813e+00;
    }
    {
        gain = 9.50092e-01;
        offset = -7.49325e+00;
    }
    {
        gain = 9.51396e-01;
        offset = -7.54093e+00;
    }
    {
        gain = 9.46454e-01;
        offset = -7.44469e+00;
    }
    {
        gain = 9.45582e-01;
        offset = -7.37242e+00;
    }
    {
        gain = 9.51992e-01;

```

```

        offset = -7.59108e+00;
    }
    {
        gain = 9.62199e-01;
        offset = -7.66595e+00;
    }
    {
        gain = 9.56877e-01;
        offset = -7.58140e+00;
    }
    {
        gain = 9.57841e-01;
        offset = -7.62352e+00;
    }
    {
        gain = 9.51654e-01;
        offset = -7.52979e+00;
    }
    {
        gain = 9.51803e-01;
        offset = -7.83831e+00;
    }
    {
        gain = 9.62465e-01;
        offset = -7.76279e+00;
    }
    {
        gain = 9.54928e-01;
        offset = -7.70318e+00;
    }
    {
        gain = 9.58683e-01;
        offset = -7.72845e+00;
    }
    {
        gain = 9.56587e-01;
        offset = -7.56247e+00;
    }
    {
        gain = 9.51152e-01;
        offset = -7.59394e+00;
    }
]
[
    {
        gain = 9.56315e-01;
        offset = -7.38813e+00;
    }
    {
        gain = 9.50092e-01;
        offset = -7.49325e+00;
    }
    {
        gain = 9.51396e-01;
        offset = -7.54093e+00;
    }
    {

```

```

        gain = 9.46454e-01;
        offset = -7.44469e+00;
    }
    {
        gain = 9.45582e-01;
        offset = -7.37242e+00;
    }
    {
        gain = 9.51992e-01;
        offset = -7.59108e+00;
    }
    {
        gain = 9.62199e-01;
        offset = -7.66595e+00;
    }
    {
        gain = 9.56877e-01;
        offset = -7.58140e+00;
    }
    {
        gain = 9.57841e-01;
        offset = -7.62352e+00;
    }
    {
        gain = 9.51654e-01;
        offset = -7.52979e+00;
    }
    {
        gain = 9.51803e-01;
        offset = -7.83831e+00;
    }
    {
        gain = 9.62465e-01;
        offset = -7.76279e+00;
    }
    {
        gain = 9.54928e-01;
        offset = -7.70318e+00;
    }
    {
        gain = 9.58683e-01;
        offset = -7.72845e+00;
    }
    {
        gain = 9.56587e-01;
        offset = -7.56247e+00;
    }
    {
        gain = 9.51152e-01;
        offset = -7.59394e+00;
    }
    ]
}
{
    bandNumber = 6L;
    gainOffsetCoefficient =

```

```

{
    gain = 6.68235e-02;
    offset = 0.00000e+00;
}
lowerReflectanceLimit = 0L;
upperReflectanceLimit = 100L;
referenceDetector = 8L;
useDefaultAbsCalibration = FALSE;
numberDetectors = 8L;
calibrationCoeffs_ =
[
    [
        {
            gain = 8.67037e-01;
            offset = 2.64147e+01;
        }
        {
            gain = 8.83280e-01;
            offset = 2.46558e+01;
        }
        {
            gain = 8.60434e-01;
            offset = 2.69830e+01;
        }
        {
            gain = 8.61248e-01;
            offset = 2.68873e+01;
        }
        {
            gain = 8.43483e-01;
            offset = 2.86762e+01;
        }
        {
            gain = 8.85348e-01;
            offset = 2.43346e+01;
        }
        {
            gain = 8.43378e-01;
            offset = 2.86789e+01;
        }
        {
            gain = 8.28198e-01;
            offset = 3.02530e+01;
        }
    ]
    [
        {
            gain = 8.67037e-01;
            offset = 2.64147e+01;
        }
        {
            gain = 8.83280e-01;
            offset = 2.46558e+01;
        }
        {
            gain = 8.60434e-01;
            offset = 2.69830e+01;
        }
    ]

```

[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;
    }
}
]
}
{
bandNumber = 7L;
gainOffsetCoefficient =
{
    gain = 4.37255e-02;
    offset = -3.50000e-01;
}
lowerReflectanceLimit = 0L;
upperReflectanceLimit = 100L;
referenceDetector = 10L;
useDefaultAbsCalibration = FALSE;
numberDetectors = 16L;
calibrationCoeffs_ =
[
    [
        {
            gain = 1.000000e+00;
            offset = 0.000000e+00;
        }
        {
            gain = 1.000000e+00;
            offset = 0.000000e+00;
        }
    ]
]
```

[illegible]

[illegible]

```

    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
    {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
    }
]
[
    {
        gain = 9.50238e-01;
        offset = -7.69739e+00;
    }
    {
        gain = 9.50659e-01;
        offset = -7.53710e+00;
    }
    {
        gain = 9.63304e-01;
        offset = -7.73113e+00;
    }
    {
        gain = 9.31343e-01;
        offset = -7.41774e+00;
    }
    {
        gain = 9.52483e-01;
        offset = -7.48629e+00;
    }
    {
        gain = 9.61307e-01;
        offset = -7.64291e+00;
    }
    {
        gain = 9.52726e-01;
        offset = -7.54748e+00;
    }
    {
        gain = 9.51095e-01;
        offset = -7.50468e+00;
    }
    {
        gain = 9.51816e-01;
        offset = -7.55381e+00;
    }
    {
        gain = 9.57610e-01;
        offset = -7.58130e+00;
    }
    {
        gain = 9.56702e-01;
        offset = -7.70448e+00;
    }
    {
        gain = 9.56993e-01;

```

```

    offset = -7.78876e+00;
  }
  {
    gain = 9.52733e-01;
    offset = -7.60990e+00;
  }
  {
    gain = 9.60400e-01;
    offset = -7.77833e+00;
  }
  {
    gain = 9.52279e-01;
    offset = -7.80049e+00;
  }
  {
    gain = 9.51982e-01;
    offset = -7.71654e+00;
  }
]
[
  {
    gain = 9.50238e-01;
    offset = -7.69739e+00;
  }
  {
    gain = 9.50659e-01;
    offset = -7.53710e+00;
  }
  {
    gain = 9.63304e-01;
    offset = -7.73113e+00;
  }
  {
    gain = 9.31343e-01;
    offset = -7.41774e+00;
  }
  {
    gain = 9.52483e-01;
    offset = -7.48629e+00;
  }
  {
    gain = 9.61307e-01;
    offset = -7.64291e+00;
  }
  {
    gain = 9.52726e-01;
    offset = -7.54748e+00;
  }
  {
    gain = 9.51095e-01;
    offset = -7.50468e+00;
  }
  {
    gain = 9.51816e-01;
    offset = -7.55381e+00;
  }
  {

```

```

        gain = 9.57610e-01;
        offset = -7.58130e+00;
    }
    {
        gain = 9.56702e-01;
        offset = -7.70448e+00;
    }
    {
        gain = 9.56993e-01;
        offset = -7.78876e+00;
    }
    {
        gain = 9.52733e-01;
        offset = -7.60990e+00;
    }
    {
        gain = 9.60400e-01;
        offset = -7.77833e+00;
    }
    {
        gain = 9.52279e-01;
        offset = -7.80049e+00;
    }
    {
        gain = 9.51982e-01;
        offset = -7.71654e+00;
    }
    ]
]
}
{
    bandNumber = 8L;
    gainOffsetCoefficient =
    {
        gain = 9.71765e-01;
        offset = -4.70000e+00;
    }
    lowerReflectanceLimit = 0L;
    upperReflectanceLimit = 100L;
    referenceDetector = 27L;
    useDefaultAbsCalibration = FALSE;
    numberDetectors = 32L;
    calibrationCoeffs_ =
    [
        [
            {
                gain = 9.61767e-01;
                offset = -4.67132e+00;
            }
            {
                gain = 9.66441e-01;
                offset = -4.66513e+00;
            }
            {
                gain = 9.67502e-01;
                offset = -4.69756e+00;
            }
        ]
    ]
}

```

```
{
  gain = 9.65286e-01;
  offset = -4.57125e+00;
}
{
  gain = 9.53029e-01;
  offset = -4.40189e+00;
}
{
  gain = 9.57674e-01;
  offset = -4.57878e+00;
}
{
  gain = 9.55503e-01;
  offset = -4.42146e+00;
}
{
  gain = 9.66418e-01;
  offset = -4.54749e+00;
}
{
  gain = 9.52665e-01;
  offset = -4.57443e+00;
}
{
  gain = 9.60529e-01;
  offset = -4.48215e+00;
}
{
  gain = 9.56728e-01;
  offset = -4.67265e+00;
}
{
  gain = 9.62870e-01;
  offset = -4.67061e+00;
}
{
  gain = 9.59814e-01;
  offset = -4.70194e+00;
}
{
  gain = 9.67780e-01;
  offset = -4.79456e+00;
}
{
  gain = 9.51932e-01;
  offset = -4.58935e+00;
}
{
  gain = 9.66211e-01;
  offset = -4.66432e+00;
}
{
  gain = 9.67324e-01;
  offset = -4.77788e+00;
}
}
```

```
    gain = 9.56395e-01;
    offset = -4.71045e+00;
}
{
    gain = 9.58701e-01;
    offset = -4.71206e+00;
}
{
    gain = 9.61634e-01;
    offset = -4.56340e+00;
}
{
    gain = 9.55004e-01;
    offset = -4.74775e+00;
}
{
    gain = 9.57910e-01;
    offset = -4.59900e+00;
}
{
    gain = 9.52984e-01;
    offset = -4.59761e+00;
}
{
    gain = 9.52689e-01;
    offset = -4.49580e+00;
}
{
    gain = 9.67769e-01;
    offset = -4.68208e+00;
}
{
    gain = 9.58028e-01;
    offset = -4.65945e+00;
}
{
    gain = 9.67723e-01;
    offset = -4.75466e+00;
}
{
    gain = 9.60640e-01;
    offset = -4.59105e+00;
}
{
    gain = 9.67751e-01;
    offset = -4.81380e+00;
}
{
    gain = 9.55203e-01;
    offset = -4.65339e+00;
}
{
    gain = 9.69844e-01;
    offset = -4.87709e+00;
}
{
    gain = 9.57762e-01;
```

```

    offset = -4.73661e+00;
  }
]
[
  {
    gain = 9.61767e-01;
    offset = -4.67132e+00;
  }
  {
    gain = 9.66441e-01;
    offset = -4.66513e+00;
  }
  {
    gain = 9.67502e-01;
    offset = -4.69756e+00;
  }
  {
    gain = 9.65286e-01;
    offset = -4.57125e+00;
  }
  {
    gain = 9.53029e-01;
    offset = -4.40189e+00;
  }
  {
    gain = 9.57674e-01;
    offset = -4.57878e+00;
  }
  {
    gain = 9.55503e-01;
    offset = -4.42146e+00;
  }
  {
    gain = 9.66418e-01;
    offset = -4.54749e+00;
  }
  {
    gain = 9.52665e-01;
    offset = -4.57443e+00;
  }
  {
    gain = 9.60529e-01;
    offset = -4.48215e+00;
  }
  {
    gain = 9.56728e-01;
    offset = -4.67265e+00;
  }
  {
    gain = 9.62870e-01;
    offset = -4.67061e+00;
  }
  {
    gain = 9.59814e-01;
    offset = -4.70194e+00;
  }
  {

```

```
    gain = 9.67780e-01;
    offset = -4.79456e+00;
}
{
    gain = 9.51932e-01;
    offset = -4.58935e+00;
}
{
    gain = 9.66211e-01;
    offset = -4.66432e+00;
}
{
    gain = 9.67324e-01;
    offset = -4.77788e+00;
}
{
    gain = 9.56395e-01;
    offset = -4.71045e+00;
}
{
    gain = 9.58701e-01;
    offset = -4.71206e+00;
}
{
    gain = 9.61634e-01;
    offset = -4.56340e+00;
}
{
    gain = 9.55004e-01;
    offset = -4.74775e+00;
}
{
    gain = 9.57910e-01;
    offset = -4.59900e+00;
}
{
    gain = 9.52984e-01;
    offset = -4.59761e+00;
}
{
    gain = 9.52689e-01;
    offset = -4.49580e+00;
}
{
    gain = 9.67769e-01;
    offset = -4.68208e+00;
}
{
    gain = 9.58028e-01;
    offset = -4.65945e+00;
}
{
    gain = 9.67723e-01;
    offset = -4.75466e+00;
}
{
    gain = 9.60640e-01;
```

[illegible]

[illegible]

```
] [
{
    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]

```

        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 = 1.000000e+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 = 9.43965e-01;
  offset = 3.62711e+00;
}
{
  gain = 9.57902e-01;
  offset = 2.19917e+00;
}
{
  gain = 9.34043e-01;
  offset = 4.58158e+00;
}
{
  gain = 9.33809e-01;
  offset = 4.55233e+00;
}
{
  gain = 9.17263e-01;
  offset = 6.13009e+00;
}
{
  gain = 9.64997e-01;
  offset = 1.14464e+00;
}
{
  gain = 9.14542e-01;
  offset = 6.35938e+00;
}
{
  gain = 8.97791e-01;
  offset = 8.05520e+00;
}
}
]
```

```

        gain = 9.43965e-01;
        offset = 3.62711e+00;
    }
    {
        gain = 9.57902e-01;
        offset = 2.19917e+00;
    }
    {
        gain = 9.34043e-01;
        offset = 4.58158e+00;
    }
    {
        gain = 9.33809e-01;
        offset = 4.55233e+00;
    }
    {
        gain = 9.17263e-01;
        offset = 6.13009e+00;
    }
    {
        gain = 9.64997e-01;
        offset = 1.14464e+00;
    }
    {
        gain = 9.14542e-01;
        offset = 6.35938e+00;
    }
    {
        gain = 8.97791e-01;
        offset = 8.05520e+00;
    }
    ]
    ]
    }
    ]
    }
    }
}
=====
RadQa.input:
=====
{
    commonChildInputParams =
    {
        productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003017500004/Product_";
        reportName = "RadQa.report";
    }
    MeasureBandSaturation = TRUE;
    ImagePathname =
"/usr1/nlaps/RT/workorders/011011003017500004/Product__OPR_MsResampler.tif";
    MeasureDetectorStriping = TRUE;
    satellite = "LS7 ";
    sensor = "ETMP";
}
=====
RadQa.report:

```

```

=====
{
  ReportHeader =
  {
    ReportName = "RadiometricQA_Report";
    VersionNumber = 1.0000000000000000e+00;
    WorkOrderId = "011011003017500004";
    StartTime = "Mon Oct 15 10:05:33 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 10;
      minute = 5;
      sec = 33;
      usec = 0;
      time_system = 2;
    }
    CompletionTime = "Mon Oct 15 10:05:34 2001";
    CompletionTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 10;
      minute = 5;
      sec = 34;
      usec = 0;
      time_system = 2;
    }
    CpuTime = 5.9000000000000000e-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 = 0.000000000000000e+00;
    PercentSaturatedPixels = 0.000000000000000e+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 = 1.500529596733654e-01;
        }
        {
            Band = 2L;
            BandStriping = 1.763371123679434e-01;
        }
        {
            Band = 3L;
            BandStriping = 4.138719496129287e-01;
        }
        {
            Band = 4L;
            BandStriping = 2.888837549103980e-01;
        }
        {
            Band = 5L;
            BandStriping = 3.274662879009049e-01;
        }
        {
            Band = 6L;
            BandStriping = 1.326964150832419e-01;
        }
        {
            Band = 7L;
            BandStriping = 3.989761835655634e-01;
        }
    ]
}

```

```

    Band = 8L;
    BandStriping = 1.484920081591099e-01;
}
{
    Band = 9L;
    BandStriping = 2.399508669075837e-01;
}
]
ChipMeasurements =
[
    {
        Band = 1L;
        Lines = 128L;
        PixelsPerLine = 128L;
        CentreLineAttr = 1.197599975585938e+03;
        CentrePixelAttr = 1.268000000000000e+03;
        Mean = 5.883013916015625e+01;
        StandardDeviation = 1.971070208165108e+00;
        ChipStriping = 2.382995178139740e-01;
    }
    {
        Band = 1L;
        Lines = 128L;
        PixelsPerLine = 128L;
        CentreLineAttr = 2.394199951171875e+03;
        CentrePixelAttr = 2.535000000000000e+03;
        Mean = 6.121380615234375e+01;
        StandardDeviation = 1.378813871525813e+00;
        ChipStriping = 7.435988826186654e-02;
    }
    {
        Band = 1L;
        Lines = 128L;
        PixelsPerLine = 128L;
        CentreLineAttr = 3.590800048828125e+03;
        CentrePixelAttr = 3.802000244140625e+03;
        Mean = 8.167803955078125e+01;
        StandardDeviation = 3.247814566424302e+00;
        ChipStriping = 1.809485237839981e-01;
    }
    {
        Band = 1L;
        Lines = 128L;
        PixelsPerLine = 128L;
        CentreLineAttr = 4.787399902343750e+03;
        CentrePixelAttr = 5.069000000000000e+03;
        Mean = 9.069769287109375e+01;
        StandardDeviation = 3.502670026949392e+00;
        ChipStriping = 1.066039088336229e-01;
    }
    {
        Band = 2L;
        Lines = 128L;
        PixelsPerLine = 128L;
        CentreLineAttr = 1.197599975585938e+03;
        CentrePixelAttr = 1.268000000000000e+03;
        Mean = 4.150860595703125e+01;
    }

```

```

StandardDeviation = 9.277543376983360e-01;
ChipStriping = 1.081602043134206e-01;
}
{
Band = 2L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 2.394199951171875e+03;
CentrePixelAttr = 2.535000000000000e+03;
Mean = 4.738079833984375e+01;
StandardDeviation = 1.282620044947300e+00;
ChipStriping = 1.143644551775203e-01;
}
{
Band = 2L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 3.590800048828125e+03;
CentrePixelAttr = 3.802000244140625e+03;
Mean = 7.220532226562500e+01;
StandardDeviation = 4.393350637581040e+00;
ChipStriping = 1.993330459452577e-01;
}
{
Band = 2L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 4.787399902343750e+03;
CentrePixelAttr = 5.069000000000000e+03;
Mean = 8.779461669921875e+01;
StandardDeviation = 7.690031931203402e+00;
ChipStriping = 2.834907440355748e-01;
}
{
Band = 3L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 1.197599975585938e+03;
CentrePixelAttr = 1.268000000000000e+03;
Mean = 3.200256347656250e+01;
StandardDeviation = 2.325835282886904e+00;
ChipStriping = 2.934441965165506e-01;
}
{
Band = 3L;
Lines = 128L;
PixelsPerLine = 128L;
CentreLineAttr = 2.394199951171875e+03;
CentrePixelAttr = 2.535000000000000e+03;
Mean = 4.472784423828125e+01;
StandardDeviation = 3.041547102230246e+00;
ChipStriping = 2.783667327714928e-01;
}
{
Band = 3L;
Lines = 128L;
PixelsPerLine = 128L;

```

```

    CentreLineAttr = 3.590800048828125e+03;
    CentrePixelAttr = 3.802000244140625e+03;
    Mean = 9.078094482421875e+01;
    StandardDeviation = 9.011276407675069e+00;
    ChipStriping = 6.245743054115012e-01;
}
{
    Band = 3L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 4.787399902343750e+03;
    CentrePixelAttr = 5.069000000000000e+03;
    Mean = 1.291353759765625e+02;
    StandardDeviation = 1.573478130310343e+01;
    ChipStriping = 4.591025637521702e-01;
}
{
    Band = 4L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 1.197599975585938e+03;
    CentrePixelAttr = 1.268000000000000e+03;
    Mean = 5.219726562500000e+01;
    StandardDeviation = 4.584147375237619e+00;
    ChipStriping = 5.067303284776603e-01;
}
{
    Band = 4L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 2.394199951171875e+03;
    CentrePixelAttr = 2.535000000000000e+03;
    Mean = 6.187396240234375e+01;
    StandardDeviation = 2.446986078947973e+00;
    ChipStriping = 2.550029229590859e-01;
}
{
    Band = 4L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 3.590800048828125e+03;
    CentrePixelAttr = 3.802000244140625e+03;
    Mean = 6.754418945312500e+01;
    StandardDeviation = 1.943926689114699e+00;
    ChipStriping = 1.822905844103852e-01;
}
{
    Band = 4L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 4.787399902343750e+03;
    CentrePixelAttr = 5.069000000000000e+03;
    Mean = 7.962768554687500e+01;
    StandardDeviation = 9.411271408848119e+00;
    ChipStriping = 2.115111837944604e-01;
}
{

```

```

    Band = 5L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 1.197599975585938e+03;
    CentrePixelAttr = 1.268000000000000e+03;
    Mean = 4.459179687500000e+01;
    StandardDeviation = 3.970872686830885e+00;
    ChipStriping = 1.714961467546920e-01;
}
{
    Band = 5L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 2.394199951171875e+03;
    CentrePixelAttr = 2.535000000000000e+03;
    Mean = 7.888415527343750e+01;
    StandardDeviation = 5.857584859139310e+00;
    ChipStriping = 4.994126035544413e-01;
}
{
    Band = 5L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 3.590800048828125e+03;
    CentrePixelAttr = 3.802000244140625e+03;
    Mean = 1.335671997070312e+02;
    StandardDeviation = 5.662444065975093e+00;
    ChipStriping = 3.868163549281722e-01;
}
{
    Band = 5L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 4.787399902343750e+03;
    CentrePixelAttr = 5.069000000000000e+03;
    Mean = 1.252389526367188e+02;
    StandardDeviation = 3.756580495318418e+00;
    ChipStriping = 2.521400463663141e-01;
}
{
    Band = 6L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 5.992000122070312e+02;
    CentrePixelAttr = 6.344000244140625e+02;
    Mean = 1.218482055664062e+02;
    StandardDeviation = 2.391876029717598e+00;
    ChipStriping = 2.086334377938249e-01;
}
{
    Band = 6L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 1.197400024414062e+03;
    CentrePixelAttr = 1.267800048828125e+03;
    Mean = 1.416709594726562e+02;
    StandardDeviation = 2.991213746525675e+00;

```

```

    ChipStriping = 7.821949761592015e-02;
}
{
    Band = 6L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 1.795600097656250e+03;
    CentrePixelAttr = 1.901200073242188e+03;
    Mean = 1.586424560546875e+02;
    StandardDeviation = 1.536190077968666e+00;
    ChipStriping = 1.182455897214190e-01;
}
{
    Band = 6L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 2.393800048828125e+03;
    CentrePixelAttr = 2.534600097656250e+03;
    Mean = 1.583611450195312e+02;
    StandardDeviation = 1.469405402139175e+00;
    ChipStriping = 1.256871352018036e-01;
}
{
    Band = 7L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 1.197599975585938e+03;
    CentrePixelAttr = 1.268000000000000e+03;
    Mean = 2.424645996093750e+01;
    StandardDeviation = 2.653150632372757e+00;
    ChipStriping = 4.249863501421708e-01;
}
{
    Band = 7L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 2.394199951171875e+03;
    CentrePixelAttr = 2.535000000000000e+03;
    Mean = 4.691064453125000e+01;
    StandardDeviation = 4.820958098915697e+00;
    ChipStriping = 4.515922657770025e-01;
}
{
    Band = 7L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 3.590800048828125e+03;
    CentrePixelAttr = 3.802000244140625e+03;
    Mean = 8.690008544921875e+01;
    StandardDeviation = 6.547196311793175e+00;
    ChipStriping = 5.946627872665050e-01;
}
{
    Band = 7L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 4.787399902343750e+03;

```

```

    CentrePixelAttr = 5.069000000000000e+03;
    Mean = 9.476177978515625e+01;
    StandardDeviation = 3.045102586332578e+00;
    ChipStriping = 1.246633310765755e-01;
}
{
    Band = 8L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 2.394400146484375e+03;
    CentrePixelAttr = 2.536800048828125e+03;
    Mean = 3.991729736328125e+01;
    StandardDeviation = 2.026050315808236e+00;
    ChipStriping = 9.276308077004208e-02;
}
{
    Band = 8L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 4.787800292968750e+03;
    CentrePixelAttr = 5.072600097656250e+03;
    Mean = 4.641107177734375e+01;
    StandardDeviation = 1.366014466463841e+00;
    ChipStriping = 2.040893789018232e-01;
}
{
    Band = 8L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 7.181200195312500e+03;
    CentrePixelAttr = 7.608400390625000e+03;
    Mean = 6.413146972656250e+01;
    StandardDeviation = 6.893658382285972e+00;
    ChipStriping = 2.357060002551711e-01;
}
{
    Band = 8L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 9.574600585937500e+03;
    CentrePixelAttr = 1.014420019531250e+04;
    Mean = 5.593560791015625e+01;
    StandardDeviation = 3.485962065277166e+00;
    ChipStriping = 6.140957270940308e-02;
}
{
    Band = 9L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 5.992000122070312e+02;
    CentrePixelAttr = 6.344000244140625e+02;
    Mean = 1.336732177734375e+02;
    StandardDeviation = 4.313287205304203e+00;
    ChipStriping = 3.834779277332705e-01;
}
{
    Band = 9L;

```

```

    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 1.197400024414062e+03;
    CentrePixelAttr = 1.267800048828125e+03;
    Mean = 1.693648681640625e+02;
    StandardDeviation = 5.382874629654564e+00;
    ChipStriping = 1.323802987975090e-01;
}
{
    Band = 9L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 1.795600097656250e+03;
    CentrePixelAttr = 1.901200073242188e+03;
    Mean = 2.000206909179688e+02;
    StandardDeviation = 2.802141329529702e+00;
    ChipStriping = 2.234104482333277e-01;
}
{
    Band = 9L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 2.393800048828125e+03;
    CentrePixelAttr = 2.534600097656250e+03;
    Mean = 1.994746704101562e+02;
    StandardDeviation = 2.648908049352689e+00;
    ChipStriping = 2.205347928662278e-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/011011003017500004/Product_";
        reportName = "BlacklineQa.report";
    }
    ImagePathname =
"/usr1/nlaps/RT/workorders/011011003017500004/Product__OPR_MsResampler.tif";
}
=====
GeoQa.input:
=====
{
    commonChildInputParams =
    {
        inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500004/Input_";
        productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003017500004/Product_";
        outputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500004/Output_";
        reportName = "GeoQa.report";
    }
    MeasureBandSaturation = TRUE;
    MeasureDetectorStriping = FALSE;
    EvaluationRequired = TRUE;
    ImagePathname =
"/usr1/nlaps/RT/workorders/011011003017500004/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 = "011011003017500004";
    StartTime = "Mon Oct 15 10:05:37 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 10;
      minute = 5;
      sec = 37;
      usec = 0;
      time_system = 2;
    }
    CompletionTime = "Mon Oct 15 10:43:31 2001";
    CompletionTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 10;
      minute = 43;
      sec = 31;
      usec = 0;
      time_system = 2;
    }
    CpuTime = 1.0710000000000000e+01;
  }
  NumQaControlPoints = 9L;
  Mean =
  {
    AlongTrack = -3.824712634086609e-01;
    AcrossTrack = -5.668624043464661e-01;
    Height = 0.0000000000000000e+00;
    Combined = 6.838254332542419e-01;
  }
  StandardDeviation =
  {
    AlongTrack = 8.003805160522461e+00;
    AcrossTrack = 5.920495510101318e+00;
    Height = 0.0000000000000000e+00;
    Combined = 9.955559730529785e+00;
  }
  MeasuredAbsoluteError =
  {
    AlongTrack = 8.012938499450684e+00;
    AcrossTrack = 5.947570800781250e+00;
    Height = 0.0000000000000000e+00;
    Combined = 9.979017257690430e+00;
  }
}

```

```

}
MapAndDigitizationError = 1.299492129043721e+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 = 9540L;
        CpKind = "RCP";
        AutoMarked = TRUE;
        MarkedImageCoordLine = 1.193104492187500e+04;
        MarkedImageCoordPixel = 1.424998779296875e+03;
        GeodeticLatitude = 4.538836964652882e+01;
        GeodeticLongitude = -1.220779059608117e+02;
        Height = 3.588669999502599e+02;
        EarthModelName = "NAD83";
        AlongTrackResidual = 5.196336460311578e+00;
        AcrossTrackResidual = 9.010684260525354e+00;
        HeightResidual = 0.000000000000000e+00;
        CombinedResidual = 1.040165099643527e+01;
    }
    {
        CpNumber = 9330L;
        CpKind = "RCP";
        AutoMarked = FALSE;
        MarkedImageCoordLine = 5.754853027343750e+03;
        MarkedImageCoordPixel = 6.258515136718750e+03;
        GeodeticLatitude = 4.545519769436810e+01;
        GeodeticLongitude = -1.199527834109344e+02;
        Height = 4.259999999403954e+02;
        EarthModelName = "NAD83";
        AlongTrackResidual = -9.984762092402658e+00;
        AcrossTrackResidual = 8.921308339547629e-03;
        HeightResidual = 0.000000000000000e+00;
        CombinedResidual = 9.984766077962146e+00;
    }
    {
        CpNumber = 9253L;
    }
]

```

```

CpKind = "SCP";
AutoMarked = FALSE;
MarkedImageCoordLine = 4.585287109375000e+03;
MarkedImageCoordPixel = 1.296228027343750e+03;
GeodeticLatitude = 4.576386959550061e+01;
GeodeticLongitude = -1.218634626362095e+02;
Height = 1.867490536663681e+02;
EarthModelName = "NAD83";
AlongTrackResidual = 6.057842122653409e-03;
AcrossTrackResidual = -2.113543629789582e-03;
HeightResidual = 0.000000000000000e+00;
CombinedResidual = 6.415958062364348e-03;
}
{
CpNumber = 9249L;
CpKind = "SCP";
AutoMarked = FALSE;
MarkedImageCoordLine = 5.120092285156250e+03;
MarkedImageCoordPixel = 3.064125488281250e+03;
GeodeticLatitude = 4.562578098099020e+01;
GeodeticLongitude = -1.211797820641824e+02;
Height = 6.000005344860256e+01;
EarthModelName = "NAD83";
AlongTrackResidual = -9.787915812718271e+00;
AcrossTrackResidual = -1.020990068272294e+01;
HeightResidual = 0.000000000000000e+00;
CombinedResidual = 1.414373953054590e+01;
}
{
CpNumber = 9248L;
CpKind = "SCP";
AutoMarked = FALSE;
MarkedImageCoordLine = 4.764627929687500e+03;
MarkedImageCoordPixel = 4.516768066406250e+03;
GeodeticLatitude = 4.572364649399847e+01;
GeodeticLongitude = -1.206213481976498e+02;
Height = 1.927770535899326e+02;
EarthModelName = "NAD83";
AlongTrackResidual = -1.173675648380722e-02;
AcrossTrackResidual = 1.202151252915979e-02;
HeightResidual = 0.000000000000000e+00;
CombinedResidual = 1.680083974832618e-02;
}
{
CpNumber = 9104L;
CpKind = "RCP";
AutoMarked = TRUE;
MarkedImageCoordLine = 4.397885253906250e+03;
MarkedImageCoordPixel = 1.092315917968750e+04;
GeodeticLatitude = 4.641577423718368e+01;
GeodeticLongitude = -1.202541226365894e+02;
Height = 2.695299999564886e+02;
EarthModelName = "NAD83";
AlongTrackResidual = 1.240516697301531e+01;
AcrossTrackResidual = 5.657779430606800e-01;
HeightResidual = 0.000000000000000e+00;
CombinedResidual = 1.241806234117239e+01;
}

```

```

    }
    {
        CpNumber = 8988L;
        CpKind = "RCP";
        AutoMarked = TRUE;
        MarkedImageCoordLine = 5.771819335937500e+03;
        MarkedImageCoordPixel = 5.635706542968750e+03;
        GeodeticLatitude = 4.622805352289366e+01;
        GeodeticLongitude = -1.212831698389672e+02;
        Height = 8.494306593798101e+02;
        EarthModelName = "NAD83";
        AlongTrackResidual = -1.262904262534807e+00;
        AcrossTrackResidual = 5.697265488193324e+00;
        HeightResidual = 0.000000000000000e+00;
        CombinedResidual = 5.835560060464402e+00;
    }
    {
        CpNumber = 26513L;
        CpKind = "RCP";
        AutoMarked = FALSE;
        MarkedImageCoordLine = 9.269678344726562e+02;
        MarkedImageCoordPixel = 2.140081298828125e+03;
        GeodeticLatitude = 4.675472056019479e+01;
        GeodeticLongitude = -1.215568207120618e+02;
        Height = 6.679449998931959e+02;
        EarthModelName = "NAD83";
        AlongTrackResidual = -9.998259276968387e+00;
        AcrossTrackResidual = -1.000584081232570e+01;
        HeightResidual = 0.000000000000000e+00;
        CombinedResidual = 1.414503584057273e+01;
    }
    {
        CpNumber = 8838L;
        CpKind = "SCP";
        AutoMarked = FALSE;
        MarkedImageCoordLine = 9.551684570312500e+02;
        MarkedImageCoordPixel = 5.510739746093750e+03;
        GeodeticLatitude = 4.675150813485875e+01;
        GeodeticLongitude = -1.202333786560664e+02;
        Height = 6.700000553214923e+02;
        EarthModelName = "NAD83";
        AlongTrackResidual = 9.995775423798614e+00;
        AcrossTrackResidual = -1.785769424378245e-01;
        HeightResidual = 0.000000000000000e+00;
        CombinedResidual = 9.997370456644427e+00;
    }
]
}
=====
ProductFormatting_0.input:
=====
{
    commonChildInputParams =
    {
        inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500004/Input_";
        productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003017500004/Product_";
    }
}

```

```

        outputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500004/";
        reportName = "ProductFormatting_0.report";
    }
    imagePathname =
"/usr1/nlaps/RT/workorders/011011003017500004/Product__OPR_MsResampler.tif";
    demPathname ?=
"/usr1/nlaps/RT/workorders/011011003017500004/DEM__OPR_WarpResampler.tif";
    productLocation = "/usr1/nlaps/RT/workorders/011011003017500004/";
    commonFormattingParams =
    {
        satellite = "LS7 ";
        sensor = "ETMP";
        dataStartTime =
        {
            year = 2000;
            month = 8;
            day = 17;
            hour = 18;
            minute = 40;
            sec = 56;
            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 = 6.378137000000000e+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;
}
inputLimits =
{
  inputLimits =
  [
    {
      startPixel = 1;
      endPixel = 6336;
      startLine = 1;
      endLine = 5984;
    }
    {
      startPixel = 1;
      endPixel = 6336;
      startLine = 1;
      endLine = 5984;
    }
    {
      startPixel = 1;
      endPixel = 6336;
      startLine = 1;
      endLine = 5984;
    }
    {
      startPixel = 1;
      endPixel = 6336;
      startLine = 1;
      endLine = 5984;
    }
    {
      startPixel = 1;
      endPixel = 3168;

```

```

        startLine = 1;
        endLine = 2992;
    }
    {
        startPixel = 1;
        endPixel = 6336;
        startLine = 1;
        endLine = 5984;
    }
    {
        startPixel = 1;
        endPixel = 12672;
        startLine = 1;
        endLine = 11968;
    }
    {
        startPixel = 1;
        endPixel = 3168;
        startLine = 1;
        endLine = 2992;
    }
    ]
}
quadrant = 5;
path = 45;
row = 28;
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 ?=
"/diskIngest3/temp/01101100301750004/L72EDC190023018010_HDF.012851656";
}
}
```

```
=====
ProductFormatting_0.output:
=====
```

```
{
  ReportHeader =
  {
    ReportName = "ProductFormattingReport";
    VersionNumber = 1.0000000000000000e+00;
    WorkOrderId = "01101100301750004";
    StartTime = "Mon Oct 15 10:43:32 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 10;
      minute = 43;
      sec = 32;
      usec = 0;
      time_system = 2;
    }
    CompletionTime = "Mon Oct 15 10:44:15 2001";
    CompletionTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 10;
      minute = 44;
      sec = 15;
      usec = 0;
      time_system = 2;
    }
    CpuTime = 1.8320000000000000e+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 = 8;
    day = 17;
    hour = 18;
    minute = 40;
    sec = 56;
    usec = 199828;
    time_system = 2;
}
SceneStartDateTime =
{
    year = 2000;
    month = 8;
    day = 17;
    hour = 18;
    minute = 40;
    sec = 42;
    usec = 708118;
    time_system = 2;
}
SceneEndDateTime =
{
    year = 2000;
    month = 8;
    day = 17;
    hour = 18;
    minute = 41;
    sec = 9;
    usec = 547616;
    time_system = 2;
}
SceneCentreLatLong =
{
    Latitude = 4.603143365202528e+01;
    Longitude = -1.208939750040384e+02;
}
TopLeftLatLong =
{
    Latitude = 4.699366927398540e+01;
    Longitude = -1.224055127610792e+02;
}
TopRightLatLong =
{
    Latitude = 4.700413575833070e+01;
    Longitude = -1.193964165729358e+02;
}
BottomLeftLatLong =
{
    Latitude = 4.503961473363385e+01;
    Longitude = -1.223389246948192e+02;
}
BottomRightLatLong =
{
    Latitude = 4.504971559405024e+01;
    Longitude = -1.194349907083861e+02;
}

```

```

TopLeftMap =
{
    Northing = 1.86299999999925e+05;
    Easting = 3.55079999999990e+05;
}
TopRightMap =
{
    Northing = 1.86299999999935e+05;
    Easting = 5.83919999999995e+05;
}
BottomLeftMap =
{
    Northing = -3.096000000000931e+04;
    Easting = 3.55079999999995e+05;
}
BottomRightMap =
{
    Northing = -3.096000000001024e+04;
    Easting = 5.839200000000010e+05;
}
ImageLines = 7243L;
ImagePixels = 7629L;
ImageOrientation = 0.000000000000000e+00;
OffNadirAngle = 5.871130821787068e-02;
SunElevation = 5.253087760102160e+01;
SunAzimuth = 1.438172247348796e+02;
NumberOfVolumes = 1;
MediaIdList =
[
    "";
]
OrbitNumber = 87566;
StartFileNumber = 1;
NumberOfFiles = 13;
ProductSize = 5.533248243331909e+02;
SatelliteData =
[
    {
        Time =
        {
            year = 2000L;
            month = 8L;
            day = 17L;
            hour = 18L;
            minute = 40L;
            sec = 42L;
            usec = 708118L;
            time_system = 2L;
        }
        OrbitState =
        {
            Latitude = 4.664049814879213e+01;
            Longitude = -1.205862227243585e+02;
            Radius = 7.075794267962264e+06;
        }
        AttitudeState =
        {

```

```

        Roll = -2.344159397092309e-04;
        Pitch = -9.830339925991607e-05;
        Yaw = 1.577846107918778e-04;
    }
}
{
    Time =
    {
        year = 2000L;
        month = 8L;
        day = 17L;
        hour = 18L;
        minute = 40L;
        sec = 56L;
        usec = 199828L;
        time_system = 2L;
    }
    OrbitState =
    {
        Latitude = 4.583802987744360e+01;
        Longitude = -1.208865310004453e+02;
        Radius = 7.075915826663480e+06;
    }
    AttitudeState =
    {
        Roll = -1.689371667675610e-04;
        Pitch = -7.035689336566073e-05;
        Yaw = 1.566342027665893e-04;
    }
}
{
    Time =
    {
        year = 2000L;
        month = 8L;
        day = 17L;
        hour = 18L;
        minute = 41L;
        sec = 9L;
        usec = 547616L;
        time_system = 2L;
    }
    OrbitState =
    {
        Latitude = 4.504363758549650e+01;
        Longitude = -1.211767987810968e+02;
        Radius = 7.076037354012792e+06;
    }
    AttitudeState =
    {
        Roll = -2.430332890325115e-04;
        Pitch = -8.481490936091237e-05;
        Yaw = 1.698185242978540e-04;
    }
}
]
procImageryFileInfo =

```

```

[
{
    procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500004/011011003017500004I.hdr1";
    procImageryFileSize = 1982L;
}
{
    procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500004/011011003017500004_I1.dat";
    procImageryFileSize = 221027388L;
}
{
    procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500004/011011003017500004I.hdr2";
    procImageryFileSize = 2708L;
}
{
    procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500004/011011003017500004_I2.dat";
    procImageryFileSize = 55256847L;
}
{
    procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500004/011011003017500004_I3.dat";
    procImageryFileSize = 55256847L;
}
{
    procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500004/011011003017500004_I4.dat";
    procImageryFileSize = 55256847L;
}
{
    procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500004/011011003017500004_I5.dat";
    procImageryFileSize = 55256847L;
}
{
    procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500004/011011003017500004_I6.dat";
    procImageryFileSize = 55256847L;
}
{
    procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500004/011011003017500004_I7.dat";
    procImageryFileSize = 55256847L;
}
{
    procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500004/011011003017500004I.hdr3";
    procImageryFileSize = 2126L;
}
{
    procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500004/011011003017500004_I8.dat";
    procImageryFileSize = 13810494L;
}
}

```

```

        procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500004/011011003017500004_I9.dat";
        procImageryFileSize = 13810494L;
    }
    {
        procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500004/L71045028_02820000817_MTL.txt";
        procImageryFileSize = 6857L;
    }
}
]
}
=====

```

Browse.input:

```

=====
{
    commonChildInputParams =
    {
        inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500004/Input_";
        reportName = "Browse.report";
    }
    inputImageFileName =
"/usr1/nlaps/RT/workorders/011011003017500004/Product__OPR_MsResampler.tif";
    metaDataFormatType = 2;
    produceBrowseImages = FALSE;
    productDropBoxDirectory = "/usr1/nlaps/RT/workorders/011011003017500004";
    productRelativeImageLocation = "./011011003017500004_";
    productRelativeMetaDataLocation = "./011011003017500004_";
    archiveFiles = FALSE;
    destinationLocation =
    {
        dropBoxDirectory = "/usr1/nlaps/RT/workorders/011011003017500004";
        relativeBrowseImageLocation = "011011003017500004_Browse.36232815.tif";
        relativeBrowseMetaDataLocation = "PGS__011011003017500004.36232815__";
    }
    decimationRecord =
    {
        decimationType = 4;
        maxWidth = 512;
        maxHeight = 512;
        decimation = 2.5000000000000000e-01;
    }
    workOrderPriority = 7.0000000000000000e+00F;
    correctionLevel = "Precision Geocorrection";
    productOrientation = 1;
    path = 45;
    row = 28;
    productSceneShift ?= 0.0000000000000000e+00F;
    productInfo =
    {
        productInputDataSet =
"/diskIngest3/temp/011011003017500004/L72EDC190023018010_HDF.012851656";
        productOutputDataSet = "";
        productGenerationTime = "Mon Oct 15 10:44:15 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 = "011011003017500004";
        StartTime = "Mon Oct 15 10:44:17 2001";
        StartTimeRecord =
        {
            year = 2001;
            month = 10;
            day = 15;
            hour = 10;
            minute = 44;
            sec = 17;
            usec = 0;
            time_system = 2;
        }
        CompletionTime = "Mon Oct 15 10:44:18 2001";
        CompletionTimeRecord =
        {
            year = 2001;
            month = 10;
            day = 15;
            hour = 10;
            minute = 44;
            sec = 18;
            usec = 0;
            time_system = 2;
        }
        CpuTime = 5.2000000000000000e-01;
    }
}
=====
Browse.output:
=====
{
    browseImageFileName = "011011003017500004_BrowseImage.tif";
}

```

```

    browseMetadataFileName = "011011003017500004_BrowseMeta.data";
    allocationId = 0L;
}
=====
ArchiveRadCorr.input:
=====
{
    sceneHandle = "/usr1/nlaps/RT/workorders/011011003017500004/Product_";
    inputFormat = 26;
}
=====
GetProcHistResource.input:
=====
{
    files =
    [
        {
            fileName =
"/usr1/nlaps/RT/workorders/011011003017500004/011011003017500004.his";
            fileSize = 100000L;
        }
        {
            fileName =
"/usr1/nlaps/RT/workorders/011011003017500004/011011003017500004.rpt";
            fileSize = 100000L;
        }
    ]
}
=====
/usr1/nlaps/RT/log/011011003017500004.log:
=====
<created: 15-10-2001 08:05:44>
15-10-2001 08:05:44 Info DDWOE_WoEditor MAIN:0009
MAIN_MainCommon.cc:00484
    Process DDWOE_WoEditor, PID 36422445@edcsgs22, started at 15-10-2001
08:05:44

15-10-2001 08:07:12 Info DDWOE_WoEditor MAIN:0010
MAIN_MainCommon.cc:00528
    Process DDWOE_WoEditor, PID 36422445@edcsgs22, stopped at 15-10-2001
08:07:12

15-10-2001 08:36:34 Info DDWOE_WoEditor MAIN:0009
MAIN_MainCommon.cc:00484
    Process DDWOE_WoEditor, PID 35713271@edcsgs22, started at 15-10-2001
08:36:34

15-10-2001 08:37:07 Info PPGSOCP_Application WCU:0000
WCU_WriteMessageToWo:00073
    Work order was edited by operator halverso.

15-10-2001 08:37:07 Info DDWOE_WoEditor MAIN:0009
MAIN_MainCommon.cc:00484

```

Process DDW0E_WoEditor, PID 35955458@edcs22, started at 15-10-2001 08:37:07

15-10-2001 08:49:07 Info DDW0E_WoEditor MAIN:0010
MAIN_MainCommon.cc:00528

Process DDW0E_WoEditor, PID 35955458@edcs22, stopped at 15-10-2001 08:49:07

15-10-2001 08:49:11 Info DDW0E_WoEditor MAIN:0010
MAIN_MainCommon.cc:00528

Process DDW0E_WoEditor, PID 35713271@edcs22, stopped at 15-10-2001 08:49:11

15-10-2001 08:51:31 Info PPGSOCP_Application WCU:0000
WCU_WriteMessageToWo:00073

Work order was edited by operator halverso.

15-10-2001 08:51:31 Info DDW0E_WoEditor MAIN:0009
MAIN_MainCommon.cc:00484

Process DDW0E_WoEditor, PID 36179331@edcs22, started at 15-10-2001 08:51:31

15-10-2001 08:58:04 Info DDW0E_WoEditor MAIN:0010
MAIN_MainCommon.cc:00528

Process DDW0E_WoEditor, PID 36179331@edcs22, stopped at 15-10-2001 08:58:04

15-10-2001 08:58:13 Info PPGSOCP_Application WCU:0000
WCU_WriteMessageToWo:00073

Work order was started by operator halverso.

15-10-2001 08:58:16 Info SCON_EvmController MAIN:0009
MAIN_MainCommon.cc:00484

Process SCON_EvmController, PID 36232815@edcs22, started at 15-10-2001 08:58:16

15-10-2001 08:58:17 Info WOSV_WoManagerServer WOSV:0103
WCU_WriteMessageToWo:00106

Workorder started.

15-10-2001 08:58:17 Info WOSV_WoManagerServer WCU:0000
WCU_WriteMessageToWo:00073

Workorder is executing on host localhost.

15-10-2001 08:58:18 Info ACQ_InitializeAcqModel MAIN:0009
MAIN_MainCommon.cc:00484

Process ACQ_InitializeAcqModel, PID 36473029@edcs22, started at 15-10-2001 08:58:18

15-10-2001 08:58:19 Warning ACQ_InitializeAcqModel TIM:0011
TIM_TimeModel.cc:00462
Using Predicted value of UT1 for 2000 8 17

15-10-2001 08:58:19 Warning ACQ_InitializeAcqModel TIM:0011
TIM_TimeModel.cc:00563
Using Predicted value of UT1 for 2000 8 18

15-10-2001 08:58:19 Warning ACQ_InitializeAcqModel EAR:0031
EAR_PoleWander.cc:00417
Using predicted, not measured pole wander data for 17-AUG-00.
15-10-2001 08:58:19 Warning ACQ_InitializeAcqModel EAR:0031
EAR_PoleWander.cc:00417
Using predicted, not measured pole wander data for 18-AUG-00.

15-10-2001 08:58:21 Info ACQ_InitializeAcqModel MAIN:0010
MAIN_MainCommon.cc:00528
Process ACQ_InitializeAcqModel, PID 36473029@edcs22, stopped at 15-10-2001 08:58:21

15-10-2001 08:58:23 Info LZR_Main MAIN:0009
MAIN_MainCommon.cc:00484
Process LZR_Main, PID 35682780@edcs22, started at 15-10-2001 08:58:23

15-10-2001 08:59:55 Info LZR_Main EPHI:0029
EPHI_EtmpEphemeris.c:00393
The ephemeris file /usr1/nlaps/RT/ephemeris/etmp/L72000231DEFEPH.S00 was used for processing.

15-10-2001 09:00:59 Info LZR_Main MAIN:0010
MAIN_MainCommon.cc:00528
Process LZR_Main, PID 35682780@edcs22, stopped at 15-10-2001 09:00:59

15-10-2001 09:01:01 Info DEM_Init MAIN:0009
MAIN_MainCommon.cc:00484
Process DEM_Init, PID 35381374@edcs22, started at 15-10-2001 09:01:01

15-10-2001 09:01:03 Info DEM_Init MAIN:0010
MAIN_MainCommon.cc:00528
Process DEM_Init, PID 35381374@edcs22, stopped at 15-10-2001 09:01:03

15-10-2001 09:01:03 Info PSM_ModelRefinement MAIN:0009
MAIN_MainCommon.cc:00484

Process PSM_ModelRefinement, PID 35389592@edcs22, started at 15-10-2001 09:01:03

15-10-2001 09:08:02 Info MDR_Application MAIN:0009
MAIN_MainCommon.cc:00484

Process MDR_Application, PID 35373127@edcs22, started at 15-10-2001 09:08:02

15-10-2001 09:08:02 Info MDR_Application MAIN:0015
MAIN_MainCommon.cc:00496

Process MDR_Application, Started by halverso

15-10-2001 09:51:44 Info MDR_Application WCU:0000
WCU_WriteMessageToWo:00073

Work Order 011011003017500004 - manual marking was accepted by Operator halverso

15-10-2001 09:51:46 Info MDR_Application MAIN:0010
MAIN_MainCommon.cc:00528

Process MDR_Application, PID 35373127@edcs22, stopped at 15-10-2001 09:51:46

15-10-2001 09:51:46 Info MDR_Application MAIN:0016
MAIN_MainCommon.cc:00540

Process MDR_Application, Stopped by halverso

15-10-2001 09:51:47 Info PSM_ModelRefinement MAIN:0010
MAIN_MainCommon.cc:00528

Process PSM_ModelRefinement, PID 35389592@edcs22, stopped at 15-10-2001 09:51:47

15-10-2001 09:51:48 Info PDD_DefineGenericProduct MAIN:0009
MAIN_MainCommon.cc:00484

Process PDD_DefineGenericProduct, PID 36263180@edcs22, started at 15-10-2001 09:51:48

15-10-2001 09:51:51 Warning PDD_DefineGenericProduct ACQ:0026
ACQ_AcquisitionModel:01074

Could not convert input coordinates to geodetic coordinates

15-10-2001 09:51:51 Warning PDD_DefineGenericProduct ACQ:0026
ACQ_AcquisitionModel:01074

Could not convert input coordinates to geodetic coordinates

15-10-2001 09:51:52 Warning PDD_DefineGenericProduct ACQ:0026
ACQ_AcquisitionModel:01074

Could not convert input coordinates to geodetic coordinates

15-10-2001 09:51:53 Warning PDD_DefineGenericProduct ACQ:0026
ACQ_AcquisitionModel:01074
Could not convert input coordinates to geodetic coordinates

15-10-2001 09:51:53 Warning PDD_DefineGenericProduct ACQ:0026
ACQ_AcquisitionModel:01074
Could not convert input coordinates to geodetic coordinates

15-10-2001 09:51:54 Warning PDD_DefineGenericProduct ACQ:0026
ACQ_AcquisitionModel:01074
Could not convert input coordinates to geodetic coordinates

15-10-2001 09:51:54 Warning PDD_DefineGenericProduct ACQ:0026
ACQ_AcquisitionModel:01074
Could not convert input coordinates to geodetic coordinates

15-10-2001 09:51:55 Warning PDD_DefineGenericProduct ACQ:0026
ACQ_AcquisitionModel:01074
Could not convert input coordinates to geodetic coordinates

15-10-2001 09:51:56 Warning PDD_DefineGenericProduct ACQ:0026
ACQ_AcquisitionModel:01074
Could not convert input coordinates to geodetic coordinates

15-10-2001 09:51:56 Warning PDD_DefineGenericProduct ACQ:0026
ACQ_AcquisitionModel:01074
Could not convert input coordinates to geodetic coordinates

15-10-2001 09:51:57 Warning PDD_DefineGenericProduct ACQ:0026
ACQ_AcquisitionModel:01074
Could not convert input coordinates to geodetic coordinates

15-10-2001 09:51:57 Warning PDD_DefineGenericProduct ACQ:0026
ACQ_AcquisitionModel:01074
Could not convert input coordinates to geodetic coordinates

15-10-2001 09:51:58 Info PDD_DefineGenericProduct MAIN:0010
MAIN_MainCommon.cc:00528
Process PDD_DefineGenericProduct, PID 36263180@edcs22, stopped at 15-10-2001 09:51:58

15-10-2001 09:51:59 Info DEMI_IngestControl MAIN:0009
MAIN_MainCommon.cc:00484
Process DEMI_IngestControl, PID 35730977@edcs22, started at 15-10-2001 09:51:59

15-10-2001 09:52:42 Info DEMI_IngestControl MAIN:0010
MAIN_MainCommon.cc:00528
Process DEMI_IngestControl, PID 35730977@edcsgs22, stopped at 15-10-2001
09:52:42

15-10-2001 09:52:43 Info OPR_WarpResampler MAIN:0009
MAIN_MainCommon.cc:00484
Process OPR_WarpResampler, PID 36203517@edcsgs22, started at 15-10-2001
09:52:43

15-10-2001 09:52:58 Info OPR_WarpResampler MAIN:0010
MAIN_MainCommon.cc:00528
Process OPR_WarpResampler, PID 36203517@edcsgs22, stopped at 15-10-2001
09:52:58

15-10-2001 09:53:02 Info OPR_MsResampler MAIN:0009
MAIN_MainCommon.cc:00484
Process OPR_MsResampler, PID 36481102@edcsgs22, started at 15-10-2001
09:53:02

15-10-2001 10:05:32 Info OPR_MsResampler MAIN:0010
MAIN_MainCommon.cc:00528
Process OPR_MsResampler, PID 36481102@edcsgs22, stopped at 15-10-2001
10:05:32

15-10-2001 10:05:33 Info RQA_PerformRadiometricQA MAIN:0009
MAIN_MainCommon.cc:00484
Process RQA_PerformRadiometricQA, PID 35016100@edcsgs22, started at 15-10-
2001 10:05:33

15-10-2001 10:05:34 Info RQA_PerformRadiometricQA MAIN:0010
MAIN_MainCommon.cc:00528
Process RQA_PerformRadiometricQA, PID 35016100@edcsgs22, stopped at 15-10-
2001 10:05:34

15-10-2001 10:05:35 Info BQA_BlackfillQa MAIN:0009
MAIN_MainCommon.cc:00484
Process BQA_BlackfillQa, PID 35445710@edcsgs22, started at 15-10-2001
10:05:35

15-10-2001 10:05:36 Info BQA_BlackfillQa MAIN:0010
MAIN_MainCommon.cc:00528
Process BQA_BlackfillQa, PID 35445710@edcsgs22, stopped at 15-10-2001
10:05:36

15-10-2001 10:05:37 Info GQA_PerformGeometricQA MAIN:0009
MAIN_MainCommon.cc:00484
Process GQA_PerformGeometricQA, PID 36090645@edcs22, started at 15-10-2001 10:05:37

15-10-2001 10:24:50 Info VAL_Application MAIN:0009
MAIN_MainCommon.cc:00484
Process VAL_Application, PID 36382877@edcs22, started at 15-10-2001 10:24:50

15-10-2001 10:24:50 Info VAL_Application MAIN:0015
MAIN_MainCommon.cc:00496
Process VAL_Application, Started by halverso

15-10-2001 10:43:31 Info GQA_PerformGeometricQA MAIN:0010
MAIN_MainCommon.cc:00528
Process GQA_PerformGeometricQA, PID 36090645@edcs22, stopped at 15-10-2001 10:43:31

15-10-2001 10:43:31 Info VAL_Application WCU:0000
WCU_WriteMessageToWo:00073
Work Order 011011003017500004 - manual marking was accepted by Operator halverso

15-10-2001 10:43:33 Info TOXNF_MakeProduct MAIN:0009
MAIN_MainCommon.cc:00484
Process TOXNF_MakeProduct, PID 34965957@edcs22, started at 15-10-2001 10:43:33

15-10-2001 10:43:34 Info VAL_Application MAIN:0010
MAIN_MainCommon.cc:00528
Process VAL_Application, PID 36382877@edcs22, stopped at 15-10-2001 10:43:34

15-10-2001 10:43:34 Info VAL_Application MAIN:0016
MAIN_MainCommon.cc:00540
Process VAL_Application, Stopped by halverso

15-10-2001 10:44:15 Info TOXNF_MakeProduct MAIN:0010
MAIN_MainCommon.cc:00528
Process TOXNF_MakeProduct, PID 34965957@edcs22, stopped at 15-10-2001 10:44:15

15-10-2001 10:44:17 Info BIM_OpticalBrowse MAIN:0009
MAIN_MainCommon.cc:00484
Process BIM_OpticalBrowse, PID 36512648@edcs22, started at 15-10-2001 10:44:17

15-10-2001 10:44:18 Info BIM_OpticalBrowse MAIN:0010
MAIN_MainCommon.cc:00528
Process BIM_OpticalBrowse, PID 36512648@edcs22, stopped at 15-10-2001
10:44:18

15-10-2001 10:44:20 Info RDC_ArchiveReport MAIN:0009
MAIN_MainCommon.cc:00484
Process RDC_ArchiveReport, PID 36358178@edcs22, started at 15-10-2001
10:44:20

15-10-2001 10:44:20 Info RDC_ArchiveReport MAIN:0010
MAIN_MainCommon.cc:00528
Process RDC_ArchiveReport, PID 36358178@edcs22, stopped at 15-10-2001
10:44:20

15-10-2001 10:44:22 Info RMAN_GetDiskResource MAIN:0009
MAIN_MainCommon.cc:00484
Process RMAN_GetDiskResource, PID 35161216@edcs22, started at 15-10-2001
10:44:22

15-10-2001 10:44:22 Info RMAN_GetDiskResource MAIN:0010
MAIN_MainCommon.cc:00528
Process RMAN_GetDiskResource, PID 35161216@edcs22, stopped at 15-10-2001
10:44:22