```
=====================================================================
                 011011003017500002  PROCESSING HISTORY
=====================================================================


=====================================================================
/usr1/nlaps/RT/productorders/011011003017500002.po:
=====================================================================
{
  InputParams =
  {
    satellite = "Landsat-7";
    sensor = "ETM+";
    AOS_time = "2000 08 17 18:40:08";
    inputDatasetId =
"/diskIngest1/temp/01101100301750002/L72EDC190023018010_HDF.012851701";
    inputMediaType = "Disk";
    inputDataFormat = "L0Rp";
  }
  ControlParams =
  {
    type = "Correction";
    orderId = "011011003017500002";
    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 = 1002890392L;
    messageId =
"/usr1/nlaps/RT/icc/incoming/target/DORRAN__PGS__01101100301752.PGS_ORDER";
    monitorId = "0_35577746";
  }
  CorrectionParams =
  {
    correctionLevel = "Precision Geocorrection";
    productOrientation = "Map North";
    forceManualMarking = TRUE;
    createSCPs = FALSE;
    mapParams =
```

```
{
  name = "SPCS";
  projectionCode = 2L;
  projectionParams =
  [
    0.000000000000000e+00;
    0.000000000000000e+00;
    0.000000000000000e+00;
    0.000000000000000e+00;
    0.000000000000000e+00;
    0.000000000000000e+00;
    0.000000000000000e+00;
    0.000000000000000e+00;
    0.000000000000000e+00;
    0.000000000000000e+00;
    0.000000000000000e+00;
    0.000000000000000e+00;
    0.000000000000000e+00;
    0.000000000000000e+00;
    0.000000000000000e+00;
    0.000000000000000e+00;
  ]
  zoneNumber = 4602L;
}
earthEllipsoid = "NAD83";
resamplingKernel = "CC";
productFramingMethod = "Path Row";
path = 45L;
row = 2.600000000000000e+01;
lineSpacing = 3.000000000000000e+01;
pixelSpacing = 3.000000000000000e+01;
scanGapCorrection = TRUE;
etm+PanAtDoubleResolution = TRUE;
etm+ThermalAtHalfResolution = TRUE;
radiometricCorrection =
{
  method = "NASA";
  despike = FALSE;
}
elevationCorrection = "Fine DEM";
demInfo =
[
  {
    format = "LAS";
    mediaType = "Disk";
    mediaId = "/dem_data/DEM/washingtonDem";
    fileName = "washcanus_elev2";
  }
]
mapInfo =
[
  {
    name = "AENEAS";
    state = "WA";
    centerLatitude = 4.856250000000000e+01;
    centerLongitude = -1.189375000000000e+02;
    scale = "24000";
  }
```

{
  name = "ASHNOLA MOUNTAIN";
  state = "WA";
  centerLatitude = 4.893750000000000e+01;
  centerLongitude = -1.204375000000000e+02;
  scale = "24000";
}
{
  name = "BARKER CANYON";
  state = "WA";
  centerLatitude = 4.793750000000000e+01;
  centerLongitude = -1.191875000000000e+02;
  scale = "24000";
}
{
  name = "BILLY GOAT MOUNTAIN";
  state = "WA";
  centerLatitude = 4.881250000000000e+01;
  centerLongitude = -1.203125000000000e+02;
  scale = "24000";
}
{
  name = "BOOT MOUNTAIN";
  state = "WA";
  centerLatitude = 4.818750000000000e+01;
  centerLongitude = -1.193125000000000e+02;
  scale = "24000";
}
{
  name = "BUCK MOUNTAIN";
  state = "WA";
  centerLatitude = 4.843750000000000e+01;
  centerLongitude = -1.198125000000000e+02;
  scale = "24000";
}
{
  name = "CASCADE PASS";
  state = "WA";
  centerLatitude = 4.843750000000000e+01;
  centerLongitude = -1.210625000000000e+02;
  scale = "24000";
}
{
  name = "CHILIWIST VALLEY";
  state = "WA";
  centerLatitude = 4.831250000000000e+01;
  centerLongitude = -1.198125000000000e+02;
  scale = "24000";
}
{
  name = "COOKE MOUNTAIN";
  state = "WA";
  centerLatitude = 4.868750000000000e+01;
  centerLongitude = -1.185625000000000e+02;
  scale = "24000";
}
{

```
  name = "CRAWFISH LAKE";
  state = "WA";
  centerLatitude = 4.843750000000000e+01;
  centerLongitude = -1.191875000000000e+02;
  scale = "24000";
}
{
  name = "DOME PEAK";
  state = "WA";
  centerLatitude = 4.831250000000000e+01;
  centerLongitude = -1.210625000000000e+02;
  scale = "24000";
}
{
  name = "ELLISFORDE";
  state = "WA";
  centerLatitude = 4.881250000000000e+01;
  centerLongitude = -1.194375000000000e+02;
  scale = "24000";
}
{
  name = "GOODE MOUNTAIN";
  state = "WA";
  centerLatitude = 4.843750000000000e+01;
  centerLongitude = -1.209375000000000e+02;
  scale = "24000";
}
{
  name = "HOPKINS CANYON";
  state = "WA";
  centerLatitude = 4.818750000000000e+01;
  centerLongitude = -1.191875000000000e+02;
  scale = "24000";
}
{
  name = "HURLEY PEAK";
  state = "WA";
  centerLatitude = 4.893750000000000e+01;
  centerLongitude = -1.198125000000000e+02;
  scale = "24000";
}
{
  name = "KEYSTONE";
  state = "WA";
  centerLatitude = 4.856250000000000e+01;
  centerLongitude = -1.194375000000000e+02;
  scale = "24000";
}
{
  name = "LOUP LOUP SUMMIT";
  state = "WA";
  centerLatitude = 4.843750000000000e+01;
  centerLongitude = -1.199375000000000e+02;
  scale = "24000";
}
{
  name = "MAZAMA";
```

```
  state = "WA";
  centerLatitude = 4.856250000000000e+01;
  centerLongitude = -1.204375000000000e+02;
  scale = "24000";
}
{
  name = "MIDNIGHT MOUNTAIN";
  state = "WA";
  centerLatitude = 4.843750000000000e+01;
  centerLongitude = -1.204375000000000e+02;
  scale = "24000";
}
{
  name = "MOUNT ANNIE";
  state = "WA";
  centerLatitude = 4.868750000000000e+01;
  centerLongitude = -1.190625000000000e+02;
  scale = "24000";
}
{
  name = "MOUNT LAGO";
  state = "WA";
  centerLatitude = 4.881250000000000e+01;
  centerLongitude = -1.205625000000000e+02;
  scale = "24000";
}
{
  name = "NIGHTHAWK";
  state = "WA";
  centerLatitude = 4.893750000000000e+01;
  centerLongitude = -1.196875000000000e+02;
  scale = "24000";
}
{
  name = "OMAK MOUNTAIN";
  state = "WA";
  centerLatitude = 4.843750000000000e+01;
  centerLongitude = -1.193125000000000e+02;
  scale = "24000";
}
{
  name = "PEARRYGIN PEAK";
  state = "WA";
  centerLatitude = 4.856250000000000e+01;
  centerLongitude = -1.200625000000000e+02;
  scale = "24000";
}
{
  name = "REMMEL MOUNTAIN";
  state = "WA";
  centerLatitude = 4.893750000000000e+01;
  centerLongitude = -1.201875000000000e+02;
  scale = "24000";
}
{
  name = "ROSS DAM";
  state = "WA";
```

```
  centerLatitude = 4.868750000000000e+01;
  centerLongitude = -1.210625000000000e+02;
  scale = "24000";
}
{
  name = "SKAGIT PEAK";
  state = "WA";
  centerLatitude = 4.893750000000000e+01;
  centerLongitude = -1.209375000000000e+02;
  scale = "24000";
}
{
  name = "STEPSTONE CREEK";
  state = "WA";
  centerLatitude = 4.831250000000000e+01;
  centerLongitude = -1.189375000000000e+02;
  scale = "24000";
}
{
  name = "SUN MOUNTAIN";
  state = "WA";
  centerLatitude = 4.831250000000000e+01;
  centerLongitude = -1.205625000000000e+02;
  scale = "24000";
}
{
  name = "THE POTHOLE";
  state = "WA";
  centerLatitude = 4.843750000000000e+01;
  centerLongitude = -1.194375000000000e+02;
  scale = "24000";
}
{
  name = "TONASKET";
  state = "WA";
  centerLatitude = 4.868750000000000e+01;
  centerLongitude = -1.194375000000000e+02;
  scale = "24000";
}
{
  name = "TWISP WEST";
  state = "WA";
  centerLatitude = 4.831250000000000e+01;
  centerLongitude = -1.201875000000000e+02;
  scale = "24000";
}
{
  name = "WINTHROP";
  state = "WA";
  centerLatitude = 4.843750000000000e+01;
  centerLongitude = -1.201875000000000e+02;
  scale = "24000";
}
{
  id = "82 ";
  name = "Almond Mountain        British Col";
  state = "CN";
```

```
  centerLatitude = 4.937500000000000e+01;
  centerLongitude = -1.187500000000000e+02;
  scale = "50000";
}
{
  id = "92 ";
  name = "Ashnola River          British Col";
  state = "CN";
  centerLatitude = 4.912500000000000e+01;
  centerLongitude = -1.202500000000000e+02;
  scale = "50000";
}
{
  id = "92 ";
  name = "Bankeir                British Col";
  state = "CN";
  centerLatitude = 4.962500000000000e+01;
  centerLongitude = -1.202500000000000e+02;
  scale = "50000";
}
{
  id = "82 ";
  name = "Beaverdell             British Col";
  state = "CN";
  centerLatitude = 4.937500000000000e+01;
  centerLongitude = -1.192500000000000e+02;
  scale = "50000";
}
{
  id = "82 ";
  name = "Deer Park              British Col";
  state = "CN";
  centerLatitude = 4.937500000000000e+01;
  centerLongitude = -1.182500000000000e+02;
  scale = "50000";
}
{
  id = "82 ";
  name = "Greenwood              British Col";
  state = "CN";
  centerLatitude = 4.912500000000000e+01;
  centerLongitude = -1.187500000000000e+02;
  scale = "50000";
}
{
  id = "92 ";
  name = "Hedley                 British Col";
  state = "CN";
  centerLatitude = 4.937500000000000e+01;
  centerLongitude = -1.202500000000000e+02;
  scale = "50000";
}
{
  id = "82 ";
  name = "Keremeos              British Col";
  state = "CN";
  centerLatitude = 4.912500000000000e+01;
```

```
  centerLongitude = -1.197500000000000e+02;
  scale = "50000";
}
{
  id = "92 ";
  name = "Manning Park           British Col";
  state = "CN";
  centerLatitude = 4.912500000000000e+01;
  centerLongitude = -1.207500000000000e+02;
  scale = "50000";
}
{
  id = "82 ";
  name = "Osoyoos                British Col";
  state = "CN";
  centerLatitude = 4.912500000000000e+01;
  centerLongitude = -1.192500000000000e+02;
  scale = "50000";
}
{
  id = "82 ";
  name = "Penticton              British Col";
  state = "CN";
  centerLatitude = 4.937500000000000e+01;
  centerLongitude = -1.197500000000000e+02;
  scale = "50000";
}
{
  id = "92 ";
  name = "Princeton              British Col";
  state = "CN";
  centerLatitude = 4.937500000000000e+01;
  centerLongitude = -1.207500000000000e+02;
  scale = "50000";
}
{
  id = "82 ";
  name = "Summerland        British Col";
  state = "CN";
  centerLatitude = 4.962500000000000e+01;
  centerLongitude = -1.197500000000000e+02;
  scale = "50000";
}
{
  id = "92 ";
  name = "Tulameen               British Col";
  state = "CN";
  centerLatitude = 4.962500000000000e+01;
  centerLongitude = -1.207500000000000e+02;
  scale = "50000";
}
{
  id = "82 ";
  name = "Wilkinson Creek        British Col";
  state = "CN";
  centerLatitude = 4.962500000000000e+01;
  centerLongitude = -1.192500000000000e+02;
```

```
        scale = "50000";
      }
    ]
  }
  header =
  {
    name = "internal-formatted PO";
    version = 0L;
    productOrderType = "Correction";
    origin = "External";
    creationTime = 1003155547L;
  }
}

=====================================================================
PreIngest.input:
=====================================================================
{
  commonChildInputParams =
  {
    reportName = "PreIngest.report";
    inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/Input_";
  }
  satelliteName = "LS7 ";
  sensorName = "ETMP";
  referenceTime =
  {
    year = 2000;
    month = 8;
    day = 17;
    hour = 18;
    minute = 40;
    sec = 8;
    usec = 0;
    time_system = 2;
  }
}
=====================================================================
Ingest.input:
=====================================================================
{
  commonChildInputParams =
  {
    inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/Input_";
    reportName = "Ingest.report";
  }
  priority = 7.000000000000000e+00F;
  manualPositioningRequired ?= FALSE;
  AOSTime =
  {
    year = 2000;
    month = 8;
    day = 17;
    hour = 18;
    minute = 40;
    sec = 8;
    usec = 0;
```

```
    time_system = 2;
  }
  satellite = "LS7 ";
  sensor = "ETMP";
  numberOfScenes = 1.500000000000000e+00F;
  ingestBoundaryType ?= 0;
  pathRowCentre ?=
  {
    path = 45;
    row = 26;
    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 =
    [
      {
        filenames =
        [
"/diskIngest1/temp/01101100301750002/L72EDC190023018010_HDF.012851701";
        ]
        mediumId =
"/diskIngest1/temp/01101100301750002/L72EDC190023018010_HDF.012851701";
      }
    ]
  }
  sampleSceneStats = FALSE;
  performRadiometricCorrection ?= TRUE;
}
==================================================================
Ingest.output:
==================================================================
{
  InputImage =
  {
```

```
    InputImageHandle =
"/usr1/nlaps/RT/workorders/011011003017500002/Input_LZR_Main.tif";
    InputImageResourceId = "/image2";
    InputImageAllocationId = 229053L;
  }
  IngestQualityFlag = TRUE;
  IngestPredictedOrbitFlag = TRUE;
  orbitNumber = 87566;
  ReportHeader =
  {
    ReportName = "Ingest";
    VersionNumber = 1.000000000000000e+00;
    WorkOrderId = "011011003017500002";
    StartTime = "Mon Oct 15 09:19:30 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 9;
      minute = 19;
      sec = 30;
      usec = 0;
      time_system = 2;
    }
    CompletionTime = "Mon Oct 15 09:22:00 2001";
    CompletionTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 9;
      minute = 22;
      sec = 0;
      usec = 0;
      time_system = 2;
    }
    CpuTime = 1.335600000000000e+02;
  }
  ingestStartTime =
  {
    year = 2000;
    month = 8;
    day = 17;
    hour = 18;
    minute = 39;
    sec = 54;
    usec = 939437;
    time_system = 2;
  }
  ingestEndTime =
  {
    year = 2000;
    month = 8;
    day = 17;
    hour = 18;
    minute = 40;
```

```
  sec = 21;
  usec = 778875;
  time_system = 2;
}
ingestStartTimeString = "2000 08 17 18:39:54.939";
ingestEndTimeString = "2000 08 17 18:40:21.778";
segmentStartTime =
{
  year = 2000;
  month = 8;
  day = 17;
  hour = 18;
  minute = 39;
  sec = 54;
  usec = 939437;
  time_system = 2;
}
segmentEndTime =
{
  year = 2000;
  month = 8;
  day = 17;
  hour = 18;
  minute = 40;
  sec = 21;
  usec = 778875;
  time_system = 2;
}
ProcessingInformation =
{
  TotalNumberOfSwaths = 374;
  TotalNumberSwathsWithSyncLosses = 0;
  TotalNumberOfSyncLosses = 0;
  MinimumLineLength = 6320;
  MaximumLineLength = 6322;
  InputCentreDateAndTimeAtStation =
  {
    year = 2000;
    month = 8;
    day = 17;
    hour = 18;
    minute = 40;
    sec = 8;
    usec = 359156;
    time_system = 2;
  }
  NumberOfBandsIngested = 9;
  BandNumbersIngested =
  [
    1L;
    2L;
    3L;
    4L;
    5L;
    6L;
    7L;
    8L;
```

```
      9L;
    ]
  }
}==================================================================
DemInit.input:
=================================================================
{
  inputImageFileName =
"/usr1/nlaps/RT/workorders/011011003017500002/Input_LZR_Main.tif";
  acqModelIdentifier = "/usr1/nlaps/RT/workorders/011011003017500002/Input_";
  spheroidParams =
  {
    earth_spheroid_name = "NAD83";
    semimajor_axis = 6.378137000000000e+06;
    eccentricity_squared = 6.694380022900790e-03;
    earth_centre_offset =
    {
      lowerB = 1;
      upperB = 3;
      Bstore =
      [
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
      ]
    }
    ellipsoidCode = 7019;
  }
  sceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/Input_";
  demType = 0;
  baseElevation ?= 0.000000000000000e+00F;
  demPath ?= "";
}
=================================================================
ModelRefinement.input:
=================================================================
{
  commonChildInputParams =
  {
    inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/Input_";
    productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003017500002/Product_";
    outputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/Output_";
    reportName = "ModelRefinement.report";
  }
  imageHandle =
"/usr1/nlaps/RT/workorders/011011003017500002/Input_LZR_Main.tif";
  scpCreationFlag = FALSE;
  autoMarkingMode = 0L;
  manualMarkingMode = 2L;
  bands =
  {
    numBands = 9;
    bandsUsed =
    [
      1;
      2;
```

```
      3;
      4;
      5;
      6;
      7;
      8;
      9;
    ]
  }
}
=====================================================================
ModelRefinement.report:
=====================================================================
{
  ReportHeader =
  {
    ReportName = "ModelRefinementReport";
    VersionNumber = 1.000000000000000e+00;
    WorkOrderId = "011011003017500002";
    StartTime = "Mon Oct 15 09:22:06 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 9;
      minute = 22;
      sec = 6;
      usec = 0;
      time_system = 2;
    }
    CompletionTime = "Mon Oct 15 11:59:56 2001";
    CompletionTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 11;
      minute = 59;
      sec = 56;
      usec = 0;
      time_system = 2;
    }
    CpuTime = 4.547000000000000e+01;
  }
  Satellite = "LS7 ";
  Sensor = "ETMP";
  AcquisitionTime =
  {
    year = 2000L;
    month = 8L;
    day = 17L;
    hour = 18L;
    minute = 40L;
    sec = 8L;
    usec = 415673L;
    time_system = 2L;
```

```
}
PrecisionModelSummary =
{
  NumberOfCPsInModel = 13L;
  ModelErrors =
  {
    along_track =
    {
      mean_error = -5.705050826072693e-01;
      rms_error = 7.365454196929932e+00;
      std_dev_error = 7.343326091766357e+00;
    }
    across_track =
    {
      mean_error = -3.298562467098236e-01;
      rms_error = 8.014365196228027e+00;
      std_dev_error = 8.007574081420898e+00;
    }
    height =
    {
      mean_error = -9.606980532407761e-02;
      rms_error = 6.970304846763611e-01;
      std_dev_error = 6.903781890869141e-01;
    }
    combined =
    {
      mean_error = 6.659659147262573e-01;
      rms_error = 1.090714550018311e+01;
      std_dev_error = 1.088679504394531e+01;
    }
  }
}
ControlPointsSummary =
[
  {
    CpNumber = 7825L;
    CpAutoMarked = TRUE;
    CpKind = "RCP";
    CpLocation =
    {
      latitude = 4.891597180256507e+01;
      longitude = -1.197631625642766e+02;
      height = 4.925567396795377e+02;
    }
    CpResiduals =
    {
      alongTrack = 1.807716195683832e+01;
      acrossTrack = 2.512176615144686e+00;
      height = 9.238985110336273e-03;
      combined = 1.825088768028252e+01;
    }
  }
  {
    CpNumber = 7730L;
    CpAutoMarked = TRUE;
    CpKind = "RCP";
    CpLocation =
```

```
    {
      latitude = 4.962969368734831e+01;
      longitude = -1.206509992220709e+02;
      height = 1.523999936570413e+03;
    }
    CpResiduals =
    {
      alongTrack = -1.018144899246116e+01;
      acrossTrack = 1.903457910566056e+00;
      height = -2.326315908720842e-01;
      combined = 1.036046200999051e+01;
    }
  }
  {
    CpNumber = 8223L;
    CpAutoMarked = TRUE;
    CpKind = "RCP";
    CpLocation =
    {
      latitude = 4.825096636856893e+01;
      longitude = -1.208137749045918e+02;
      height = 1.953767938770354e+03;
    }
    CpResiduals =
    {
      alongTrack = -8.021864888977770e+00;
      acrossTrack = -3.371654967776666e+00;
      height = 2.959985234395881e-01;
      combined = 8.706663462235451e+00;
    }
  }
  {
    CpNumber = 7840L;
    CpAutoMarked = TRUE;
    CpKind = "RCP";
    CpLocation =
    {
      latitude = 4.937990441928459e+01;
      longitude = -1.195753213494140e+02;
      height = 3.389999396177009e+02;
    }
    CpResiduals =
    {
      alongTrack = 5.334535669750245e+00;
      acrossTrack = -1.204906250381386e+01;
      height = 1.963026808242230e-03;
      combined = 1.317714619658313e+01;
    }
  }
  {
    CpNumber = 7824L;
    CpAutoMarked = TRUE;
    CpKind = "RCP";
    CpLocation =
    {
      latitude = 4.937072534219902e+01;
      longitude = -1.184699155799518e+02;
```

```
    height = 6.400799385914579e+02;
  }
  CpResiduals =
  {
    alongTrack = -8.497676497378345e-01;
    acrossTrack = -1.214403898845556e+01;
    height = -1.482432472497002e+00;
    combined = 1.226366152693328e+01;
  }
}
{
  CpNumber = 8009L;
  CpAutoMarked = TRUE;
  CpKind = "RCP";
  CpLocation =
  {
    latitude = 4.876538159871190e+01;
    longitude = -1.186470829243011e+02;
    height = 7.334909406527877e+02;
  }
  CpResiduals =
  {
    alongTrack = 2.334378012250532e-01;
    acrossTrack = 3.591146050431144e+00;
    height = 4.721422250664585e-01;
    combined = 3.629564911013261e+00;
  }
}
{
  CpNumber = 8000L;
  CpAutoMarked = TRUE;
  CpKind = "RCP";
  CpLocation =
  {
    latitude = 4.871212475831712e+01;
    longitude = -1.211573969197756e+02;
    height = 3.128170947600156e+02;
  }
  CpResiduals =
  {
    alongTrack = 3.778258174201750e+00;
    acrossTrack = 6.360097380171296e+00;
    height = -9.349579385109855e-01;
    combined = 7.456555495868640e+00;
  }
}
{
  CpNumber = 8203L;
  CpAutoMarked = FALSE;
  CpKind = "RCP";
  CpLocation =
  {
    latitude = 4.824032967513165e+01;
    longitude = -1.204027430802413e+02;
    height = 2.256853941760957e+03;
  }
  CpResiduals =
```

```
    {
      alongTrack = -1.037899681535008e+00;
      acrossTrack = -1.421463199750926e+01;
      height = 5.857686453611601e-01;
      combined = 1.426450572152547e+01;
    }
  }
  {
    CpNumber = 7821L;
    CpAutoMarked = FALSE;
    CpKind = "RCP";
    CpLocation =
    {
      latitude = 4.911273571105725e+01;
      longitude = -1.204855512285467e+02;
      height = 1.676399937262759e+03;
    }
    CpResiduals =
    {
      alongTrack = 1.558376470191180e+00;
      acrossTrack = 1.272918199398023e+01;
      height = -1.128376174247899e+00;
      combined = 1.287376573692898e+01;
    }
  }
  {
    CpNumber = 8010L;
    CpAutoMarked = FALSE;
    CpKind = "RCP";
    CpLocation =
    {
      latitude = 4.857548339024073e+01;
      longitude = -1.195338537869111e+02;
      height = 3.258311405880377e+02;
    }
    CpResiduals =
    {
      alongTrack = -2.503560508103158e-01;
      acrossTrack = -1.841693127856829e-01;
      height = -7.749394743158958e-03;
      combined = 3.108963510049184e-01;
    }
  }
  {
    CpNumber = 8213L;
    CpAutoMarked = FALSE;
    CpKind = "RCP";
    CpLocation =
    {
      latitude = 4.826493724129534e+01;
      longitude = -1.189031741946592e+02;
      height = 7.966749415574595e+02;
    }
    CpResiduals =
    {
      alongTrack = -1.303663970940048e+00;
      acrossTrack = 4.216830330231771e-01;
```

```
        height = 5.571801152729217e-02;
        combined = 1.371298955835436e+00;
      }
    }
    {
      CpNumber = 8195L;
      CpAutoMarked = FALSE;
      CpKind = "RCP";
      CpLocation =
      {
        latitude = 4.802787928918098e+01;
        longitude = -1.191476146277547e+02;
        height = 7.449311408726498e+02;
      }
      CpResiduals =
      {
        alongTrack = -2.236369141005089e+00;
        acrossTrack = 1.016779267848361e+01;
        height = 1.122505173022011e+00;
        combined = 1.047116864303722e+01;
      }
    }
    {
      CpNumber = 26552L;
      CpAutoMarked = FALSE;
      CpKind = "RCP";
      CpLocation =
      {
        latitude = 4.942545486385249e+01;
        longitude = -1.190999957075509e+02;
        height = 7.753419394353405e+02;
      }
      CpResiduals =
      {
        alongTrack = -1.251696543741592e+01;
        acrossTrack = -1.010936602639756e-02;
        height = -6.094474975388842e-03;
        combined = 1.251697100353642e+01;
      }
    }
  ]
}
==================================================================
ProductDefinition.input:
==================================================================
{
  inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/Input_";
  satelliteID = "LS7 ";
  sensorID = "ETMP";
  inputFramingType = 143;
  outputFramingType = 1;
  bandTypeAtReferenceResolution ?=
  [
    FALSE;
    TRUE;
    FALSE;
    FALSE;
```

```
]
bandList =
{
  numBands = 9;
  bandsUsed =
  [
    1;
    2;
    3;
    4;
    5;
    6;
    7;
    8;
    9;
  ]
}
mapProjectionParams =
{
  projDescription =
  {
    projName = "SPCS";
    projection = 2;
    projCoeffs =
    [
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
    ]
    referenceSpheroid =
    {
      earth_spheroid_name = "NAD83";
      semimajor_axis = 6.378137000000000e+06;
      eccentricity_squared = 6.694380022900790e-03;
      earth_centre_offset =
      {
        lowerB = 1;
        upperB = 3;
        Bstore =
        [
          0.000000000000000e+00;
          0.000000000000000e+00;
          0.000000000000000e+00;
        ]
      }
```

```
        ellipsoidCode = 7019;
      }
    }
    GCTPZone = 4602;
  }
  orientationChoice = 1;
  path ?= 45;
  row ?= 26;
  sceneShift ?= 0.000000000000000e+00F;
  mapPixelSpacing ?= 3.000000000000000e+01;
  mapLineSpacing ?= 3.000000000000000e+01;
  performRegionCheck = FALSE;
  performDEM_Correction = TRUE;
  performElevationCorrection = FALSE;
  performBaseElevationCorrection = FALSE;
  baseElevation = 0.000000000000000e+00F;
}
====================================================================
ProductDefinition.output:
====================================================================
{
  inputLimits =
  {
    inputLimits =
    [
      {
        startPixel = 1;
        endPixel = 6336;
        startLine = 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 = 7242;
    numPixels = 7608;
  }
  {
    numLines = 7242;
    numPixels = 7608;
  }
  {
    numLines = 7242;
    numPixels = 7608;
  }
  {
    numLines = 7242;
    numPixels = 7608;
  }
  {
    numLines = 7242;
    numPixels = 7608;
  }
  {
    numLines = 3621;
    numPixels = 3804;
  }
  {
    numLines = 7242;
    numPixels = 7608;
  }
  {
    numLines = 14484;
    numPixels = 15216;
```

```
  }
  {
    numLines = 3621;
    numPixels = 3804;
  }
]
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;
  }
]
outputMapRefPoint =
{
  x = 4.375050000000000e+05;
  y = 5.020350000000000e+05;
  height = 0.000000000000000e+00;
}
outputOrientation = 0.000000000000000e+00;
mapProjectionParams =
{
  projDescription =
  {
    projName = "SPCS";
    projection = 2;
    projCoeffs =
    [
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
```

```
    ]
    referenceSpheroid =
    {
      earth_spheroid_name = "NAD83";
      semimajor_axis = 6.378137000000000e+06;
      eccentricity_squared = 6.694380022900790e-03;
      earth_centre_offset =
      {
        lowerB = 1;
        upperB = 3;
        Bstore =
        [
          0.000000000000000e+00;
          0.000000000000000e+00;
          0.000000000000000e+00;
        ]
      }
      ellipsoidCode = 7019;
    }
  }
  GCTPZone = 4602;
}
path = 45;
row = 26;
startRow = 0;
endRow = 0;
floatingEndRow = 0.000000000000000e+00F;
geodeticCentre =
{
  latitude = 8.529366953200795e-01;
  longitude = -2.090852144317178e+00;
  height = 0.000000000000000e+00;
}
mapCentre =
{
  x = 5.516100000000000e+05;
  y = 3.934200000000000e+05;
  height = 0.000000000000000e+00;
}
geodeticSceneCorners =
[
  {
    latitude = 8.701074818129715e-01;
    longitude = -2.107838998834703e+00;
    height = 0.000000000000000e+00;
  }
  {
    latitude = 8.635017895730897e-01;
    longitude = -2.062521459405704e+00;
    height = 0.000000000000000e+00;
  }
  {
    latitude = 8.357765141974273e-01;
    longitude = -2.074544960746775e+00;
    height = 0.000000000000000e+00;
  }
  {
```

```
      latitude = 8.421763972664582e-01;
      longitude = -2.118522372392309e+00;
      height = 0.000000000000000e+00;
    }
  ]
  geodeticProductCorners =
  [
    {
      latitude = 8.358754232905105e-01;
      longitude = -2.117705332539594e+00;
      height = 0.000000000000000e+00;
    }
    {
      latitude = 8.355620176343099e-01;
      longitude = -2.064452882731248e+00;
      height = 0.000000000000000e+00;
    }
    {
      latitude = 8.696200659354733e-01;
      longitude = -2.062975120441293e+00;
      height = 0.000000000000000e+00;
    }
    {
      latitude = 8.699448902396461e-01;
      longitude = -2.118262922253772e+00;
      height = 0.000000000000000e+00;
    }
  ]
  mapProductCorners =
  [
    {
      x = 4.375050000000000e+05;
      y = 2.847750000000000e+05;
      height = 0.000000000000000e+00;
    }
    {
      x = 6.657450000000000e+05;
      y = 2.847750000000000e+05;
      height = 0.000000000000000e+00;
    }
    {
      x = 6.657450000000000e+05;
      y = 5.020350000000000e+05;
      height = 0.000000000000000e+00;
    }
    {
      x = 4.375050000000000e+05;
      y = 5.020350000000000e+05;
      height = 0.000000000000000e+00;
    }
  ]
  blackfillEdgeChoice = 1;
  alignmentChoice = 2;
}
==================================================================
DemIngest.input:
==================================================================
```

```
{
  commonChildInputParams =
  {
    reportName = "DemIngest.report";
    inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/Input_";
  }
  demList =
  [
    {
      demType = 2;
      mediaType = 4;
      mediaId = "/dem_data/DEM/washingtonDem";
      filename = "washcanus_elev2";
    }
  ]
  priority = 7.000000000000000e+00F;
  numLines = 7242;
  numPixels = 7608;
  lineSpacing = 3.000000000000000e+01F;
  pixelSpacing = 3.000000000000000e+01F;
  mapRefPoint =
  {
    x = 4.375050000000000e+05;
    y = 5.020350000000000e+05;
    height = 0.000000000000000e+00;
  }
  outputOrientation = 0.000000000000000e+00;
  mapProjectionParams =
  {
    projDescription =
    {
      projName = "SPCS";
      projection = 2;
      projCoeffs =
      [
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
      ]
      referenceSpheroid =
      {
        earth_spheroid_name = "NAD83";
        semimajor_axis = 6.378137000000000e+06;
        eccentricity_squared = 6.694380022900790e-03;
        earth_centre_offset =
```

```
        {
          lowerB = 1;
          upperB = 3;
          Bstore =
          [
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
          ]
        }
        ellipsoidCode = 7019;
      }
    }
    GCTPZone = 4602;
  }
}
==================================================================
DemIngest.output:
==================================================================
{
  ImageHandle =
"/usr1/nlaps/RT/workorders/011011003017500002/Input__DEMI_IngestControl.tif";
  ImageAllocationId = 229423L;
}
==================================================================
DemIngest.report:
==================================================================
{
  ReportHeader =
  {
    ReportName = "DEM Ingest Report";
    VersionNumber = 1.000000000000000e+00;
    WorkOrderId = "011011003017500002";
    StartTime = "Mon Oct 15 12:00:09 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 12;
      minute = 0;
      sec = 9;
      usec = 0;
      time_system = 2;
    }
    CompletionTime = "Mon Oct 15 12:00:54 2001";
    CompletionTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 12;
      minute = 0;
      sec = 54;
      usec = 0;
      time_system = 2;
    }
```

```
    CpuTime = 2.508000000000000e+01;
  }
  PixelSpacing = 3.000000000000000e+01F;
  PixelSpacingUnits = "meters";
  LineSpacing = 3.000000000000000e+01F;
  LineSpacingUnits = "meters";
  ProductOrderNumber = "011011003017500002";
  SourceFormat = "LAS";
  PixelType = 2L;
  HorizontalDatum = "NORTHAM_83_CONUS";
  VerticalDatum = "MSL";
  UpperLatitude = 4.984829543734745e+01;
  RightLongitude = -1.181931292967425e+02;
  LowerLatitude = 4.786961011918094e+01;
  LeftLongitude = -1.213744676932252e+02;
  NumberOfLines = 7275L;
  PixelsPerLine = 7641L;
  UnitOfElevationMeasure = "meters";
  Error =
  {
    circularError = 4.200000000000000e+01;
    linearError = 4.200000000000000e+01;
  }
  InputMediaReport =
  [
    {
      Media = "/dem_data/DEM/washingtonDem";
      File = "washcanus_elev2";
    }
  ]
}
=====================================================================
WarpDem.input:
=====================================================================
{
  commonChildInputParams =
  {
    reportName = "WarpDem.report";
    inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/Input_";
    productSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/DEM_";
  }
  priority = 7.000000000000000e+00F;
  InputImageFile =
"/usr1/nlaps/RT/workorders/011011003017500002/Input__DEMI_IngestControl.tif";
  ResampleImageOrDemFlag = FALSE;
  CollectStatsFlag = TRUE;
  productSpecification =
  {
    satellite = "LS7 ";
    sensor = "ETMP";
    processingLevel = "Precision Geocorrection";
    outputPixelType = 2;
    blackfillEdgeChoice = 1;
    path = 45;
    row = 26;
    bandList =
    {
```

```
  numBands = 9;
  bandsUsed =
  [
    1;
    2;
    3;
    4;
    5;
    6;
    7;
    8;
    9;
  ]
}
mapProjectionParams =
{
  projDescription =
  {
    projName = "SPCS";
    projection = 2;
    projCoeffs =
    [
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
    ]
    referenceSpheroid =
    {
      earth_spheroid_name = "NAD83";
      semimajor_axis = 6.378137000000000e+06;
      eccentricity_squared = 6.694380022900790e-03;
      earth_centre_offset =
      {
        lowerB = 1;
        upperB = 3;
        Bstore =
        [
          0.000000000000000e+00;
          0.000000000000000e+00;
          0.000000000000000e+00;
        ]
      }
      ellipsoidCode = 7019;
    }
  }
```

```
  GCTPZone = 4602;
}
outputMapRefPoint =
{
  x = 4.375050000000000e+05;
  y = 5.020350000000000e+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 = 0.000000000000000e+00F;
      performAtmosphericCorrection = FALSE;
      performBadLineReplacement = FALSE;
      performScanGapCorrection = FALSE;
      alignmentRequired = FALSE;
      performHistogramming = FALSE;
      performDebandFilter = FALSE;
      performDespikeFilter = FALSE;
    }
    outputResolution =
    [
      {
        lineSpacing = 3.000000000000000e+01F;
        pixelSpacing = 3.000000000000000e+01F;
      }
    ]
    imageSize =
    [
      {
        numLines = 7242;
        numPixels = 7608;
      }
    ]
    outputImageRefPoint =
    [
      {
        line = 5.000000000000000e-01F;
        pixel = 5.000000000000000e-01F;
      }
    ]
  }
}
==================================================================
WarpDem.output:
==================================================================
```

```
{
  outputImage =
  {
    outputImageHandle =
"/usr1/nlaps/RT/workorders/011011003017500002/DEM__OPR_WarpResampler.tif";
    outputImageAllocationId = 229426L;
  }
}
=====================================================================
WarpDem.report:
=====================================================================
{
  ReportHeader =
  {
    ReportName = "resamplerReport";
    VersionNumber = 1.000000000000000e+00;
    WorkOrderId = "011011003017500002";
    StartTime = "Mon Oct 15 12:00:55 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 12;
      minute = 0;
      sec = 55;
      usec = 0;
      time_system = 2;
    }
    CompletionTime = "Mon Oct 15 12:01:19 2001";
    CompletionTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 12;
      minute = 1;
      sec = 19;
      usec = 0;
      time_system = 2;
    }
    CpuTime = 3.183000000000000e+01;
  }
  GeometricCorrectionLevel = "map-projected";
  ProductInfo =
  {
    Projection = "SPCS";
    GCTPZone = 4602;
    Datum = "NAD83";
    Orientation = 0.000000000000000e+00;
  }
  ResamplingInfo =
  {
    Method = "1 PASS";
    Kernel = "Bilinear";
  }
  SatelliteAngleOfIncidence = 0.000000000000000e+00;
```

```
  SatelliteAngleOfIncidenceDirection = "L";
  SatelliteIncidentOrientation = 0.000000000000000e+00;
  SatelliteOffNadirPointingAngle = 0.000000000000000e+00;
  OffNadirPointingAngle = 0.000000000000000e+00;
  DemCorrection =
  {
    WasApplied = FALSE;
  }
  ElevationCorrection =
  {
    WasApplied = FALSE;
  }
  RadiometricCorrection =
  {
    WasApplied = FALSE;
  }
}
=====================================================================
ImageCorrection.input:
=====================================================================
{
  commonChildInputParams =
  {
    inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/Input_";
    productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003017500002/Product_";
    reportName = "ImageCorrection.report";
  }
  priority = 7.000000000000000e+00F;
  InputImageFile =
"/usr1/nlaps/RT/workorders/011011003017500002/Input_LZR_Main.tif";
  InputDemFile ?=
"/usr1/nlaps/RT/workorders/011011003017500002/DEM__OPR_WarpResampler.tif";
  ResampleImageOrDemFlag = TRUE;
  productSpecification =
  {
    satellite = "LS7 ";
    sensor = "ETMP";
    processingLevel = "Precision Geocorrection";
    outputPixelType = 2;
    blackfillEdgeChoice = 1;
    path = 45;
    row = 26;
    bandList =
    {
      numBands = 9;
      bandsUsed =
      [
        1;
        2;
        3;
        4;
        5;
        6;
        7;
        8;
        9;
```

```
  ]
}
mapProjectionParams =
{
  projDescription =
  {
    projName = "SPCS";
    projection = 2;
    projCoeffs =
    [
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
      0.000000000000000e+00;
    ]
    referenceSpheroid =
    {
      earth_spheroid_name = "NAD83";
      semimajor_axis = 6.378137000000000e+06;
      eccentricity_squared = 6.694380022900790e-03;
      earth_centre_offset =
      {
        lowerB = 1;
        upperB = 3;
        Bstore =
        [
          0.000000000000000e+00;
          0.000000000000000e+00;
          0.000000000000000e+00;
        ]
      }
      ellipsoidCode = 7019;
    }
  }
  GCTPZone = 4602;
}
processingOptions =
{
  resamplingKernel = "CC";
  resamplingMethod = "1Pass2Dimensional";
  performRadiometricCorrection = TRUE;
  radiometricAlgorithm = 1;
  performGeometricCorrection = TRUE;
  performDEM_Correction = TRUE;
  performElevationCorrection = FALSE;
  performBaseElevationCorrection = FALSE;
```

```
  baseElevation = 0.000000000000000e+00F;
  performAtmosphericCorrection = FALSE;
  performBadLineReplacement = TRUE;
  performScanGapCorrection = TRUE;
  alignmentRequired = FALSE;
  performHistogramming = TRUE;
  performDebandFilter = FALSE;
  performDespikeFilter = FALSE;
}
outputMapRefPoint =
{
  x = 4.375050000000000e+05;
  y = 5.020350000000000e+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;
    }
  ]
}
imageSize =
[
  {
    numLines = 7242;
    numPixels = 7608;
  }
  {
    numLines = 7242;
    numPixels = 7608;
  }
  {
    numLines = 7242;
    numPixels = 7608;
  }
  {
    numLines = 7242;
    numPixels = 7608;
  }
  {
    numLines = 7242;
    numPixels = 7608;
  }
  {
    numLines = 3621;
    numPixels = 3804;
  }
  {
    numLines = 7242;
    numPixels = 7608;
  }
  {
    numLines = 14484;
    numPixels = 15216;
  }
  {
    numLines = 3621;
    numPixels = 3804;
  }
```

```
]
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;
      }
    ]
  }
}
==================================================================
ImageCorrection.output:
==================================================================
{
  outputImage =
  {
    outputImageHandle =
"/usr1/nlaps/RT/workorders/011011003017500002/Product__OPR_MsResampler.tif";
    outputImageAllocationId = 229458L;
  }
}
==================================================================
ImageCorrection.report:
==================================================================
{
  ReportHeader =
  {
    ReportName = "resamplerReport";
    VersionNumber = 1.000000000000000e+00;
    WorkOrderId = "011011003017500002";
    StartTime = "Mon Oct 15 12:01:22 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 12;
      minute = 1;
      sec = 22;
      usec = 0;
      time_system = 2;
    }
    CompletionTime = "Mon Oct 15 12:13:56 2001";
```

```
  CompletionTimeRecord =
  {
    year = 2001;
    month = 10;
    day = 15;
    hour = 12;
    minute = 13;
    sec = 56;
    usec = 0;
    time_system = 2;
  }
  CpuTime = 1.538320000000000e+03;
}
GeometricCorrectionLevel = "map-projected";
ProductInfo =
{
  Projection = "SPCS";
  GCTPZone = 4602;
  Datum = "NAD83";
  Orientation = 0.000000000000000e+00;
}
ResamplingInfo =
{
  Method = "1 PASS";
  Kernel = "CC";
}
SatelliteAngleOfIncidence = 2.609449061175440e-01;
SatelliteAngleOfIncidenceDirection = "R";
SatelliteIncidentOrientation = 1.681600109763003e+02;
SatelliteOffNadirPointingAngle = 7.551479860140931e-02;
OffNadirPointingAngle = 0.000000000000000e+00;
DemCorrection =
{
  WasApplied = TRUE;
  DataSource = 1L;
}
ElevationCorrection =
{
  WasApplied = FALSE;
}
RadiometricCorrection =
{
  WasApplied = TRUE;
  RadCorrTableReport =
  {
    calOption = "NASA";
    bandInProduct =
    [
      TRUE;
      TRUE;
      TRUE;
      TRUE;
      TRUE;
      TRUE;
      TRUE;
      TRUE;
      TRUE;
```

```
]
bandData =
[
  {
    bandNumber = 1L;
    gainOffsetCoefficient =
    {
      gain = 7.75686e-01;
      offset = -6.20000e+00;
    }
    lowerReflectanceLimit = 0L;
    upperReflectanceLimit = 100L;
    referenceDetector = 15L;
    useDefaultAbsCalibration = FALSE;
    numberDetectors = 16L;
    calibrationCoeffs_ =
    [
      [
        {
          gain = 1.00000e+00;
          offset = 0.00000e+00;
        }
        {
          gain = 1.00000e+00;
          offset = 0.00000e+00;
        }
        {
          gain = 1.00000e+00;
          offset = 0.00000e+00;
        }
        {
          gain = 1.00000e+00;
          offset = 0.00000e+00;
        }
        {
          gain = 1.00000e+00;
          offset = 0.00000e+00;
        }
        {
          gain = 1.00000e+00;
          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;
    }
    {
      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 = 9.59709e-01;
    offset = -7.55364e+00;
  }
  {
    gain = 9.52091e-01;
    offset = -7.57569e+00;
  }
  {
    gain = 9.49666e-01;
    offset = -7.65051e+00;
  }
  {
    gain = 9.50575e-01;
    offset = -7.78516e+00;
  }
  {
    gain = 9.46870e-01;
    offset = -7.60666e+00;
  }
  {
```

```
      gain = 9.49003e-01;
      offset = -7.62255e+00;
    }
    {
      gain = 9.59331e-01;
      offset = -7.85821e+00;
    }
    {
      gain = 9.55205e-01;
      offset = -7.71983e+00;
    }
    {
      gain = 9.49352e-01;
      offset = -7.62467e+00;
    }
    {
      gain = 9.47720e-01;
      offset = -7.54882e+00;
    }
    {
      gain = 9.48474e-01;
      offset = -7.43461e+00;
    }
    {
      gain = 9.40567e-01;
      offset = -7.37440e+00;
    }
    {
      gain = 9.48430e-01;
      offset = -7.38495e+00;
    }
    {
      gain = 9.40157e-01;
      offset = -7.36311e+00;
    }
    {
      gain = 9.53194e-01;
      offset = -7.65449e+00;
    }
    {
      gain = 9.55462e-01;
      offset = -7.78341e+00;
    }
  ]
  [
    {
      gain = 9.59709e-01;
      offset = -7.55364e+00;
    }
    {
      gain = 9.52091e-01;
      offset = -7.57569e+00;
    }
    {
      gain = 9.49666e-01;
      offset = -7.65051e+00;
    }
```

```
        {
          gain = 9.50575e-01;
          offset = -7.78516e+00;
        }
        {
          gain = 9.46870e-01;
          offset = -7.60666e+00;
        }
        {
          gain = 9.49003e-01;
          offset = -7.62255e+00;
        }
        {
          gain = 9.59331e-01;
          offset = -7.85821e+00;
        }
        {
          gain = 9.55205e-01;
          offset = -7.71983e+00;
        }
        {
          gain = 9.49352e-01;
          offset = -7.62467e+00;
        }
        {
          gain = 9.47720e-01;
          offset = -7.54882e+00;
        }
        {
          gain = 9.48474e-01;
          offset = -7.43461e+00;
        }
        {
          gain = 9.40567e-01;
          offset = -7.37440e+00;
        }
        {
          gain = 9.48430e-01;
          offset = -7.38495e+00;
        }
        {
          gain = 9.40157e-01;
          offset = -7.36311e+00;
        }
        {
          gain = 9.53194e-01;
          offset = -7.65449e+00;
        }
        {
          gain = 9.55462e-01;
          offset = -7.78341e+00;
        }
      ]
    ]
  }
  {
    bandNumber = 2L;
```

```
gainOffsetCoefficient =
{
  gain = 7.95686e-01;
  offset = -6.39999e+00;
}
lowerReflectanceLimit = 0L;
upperReflectanceLimit = 100L;
referenceDetector = 12L;
useDefaultAbsCalibration = FALSE;
numberDetectors = 16L;
calibrationCoeffs_ =
[
  [
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      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;
    }
    {
      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 = 9.39195e-01;
      offset = -7.66257e+00;
    }
    {
      gain = 9.52554e-01;
      offset = -7.74369e+00;
    }
    {
      gain = 9.46652e-01;
      offset = -7.59828e+00;
    }
    {
      gain = 9.52012e-01;
      offset = -7.73409e+00;
    }
    {
      gain = 9.44202e-01;
      offset = -7.51227e+00;
    }
    {
      gain = 9.45978e-01;
      offset = -7.67969e+00;
    }
    {
      gain = 9.63976e-01;
```

```
      offset = -7.87428e+00;
    }
    {
      gain = 9.43203e-01;
      offset = -7.68388e+00;
    }
    {
      gain = 9.42121e-01;
      offset = -7.51516e+00;
    }
    {
      gain = 9.45568e-01;
      offset = -7.55169e+00;
    }
    {
      gain = 9.45039e-01;
      offset = -7.46499e+00;
    }
    {
      gain = 9.43089e-01;
      offset = -7.49400e+00;
    }
    {
      gain = 9.52439e-01;
      offset = -7.56824e+00;
    }
    {
      gain = 9.37525e-01;
      offset = -7.45440e+00;
    }
    {
      gain = 9.49286e-01;
      offset = -7.59927e+00;
    }
    {
      gain = 9.54905e-01;
      offset = -7.78290e+00;
    }
  ]
  [
    {
      gain = 9.39195e-01;
      offset = -7.66257e+00;
    }
    {
      gain = 9.52554e-01;
      offset = -7.74369e+00;
    }
    {
      gain = 9.46652e-01;
      offset = -7.59828e+00;
    }
    {
      gain = 9.52012e-01;
      offset = -7.73409e+00;
    }
    {
```

```
          gain = 9.44202e-01;
          offset = -7.51227e+00;
        }
        {
          gain = 9.45978e-01;
          offset = -7.67969e+00;
        }
        {
          gain = 9.63976e-01;
          offset = -7.87428e+00;
        }
        {
          gain = 9.43203e-01;
          offset = -7.68388e+00;
        }
        {
          gain = 9.42121e-01;
          offset = -7.51516e+00;
        }
        {
          gain = 9.45568e-01;
          offset = -7.55169e+00;
        }
        {
          gain = 9.45039e-01;
          offset = -7.46499e+00;
        }
        {
          gain = 9.43089e-01;
          offset = -7.49400e+00;
        }
        {
          gain = 9.52439e-01;
          offset = -7.56824e+00;
        }
        {
          gain = 9.37525e-01;
          offset = -7.45440e+00;
        }
        {
          gain = 9.49286e-01;
          offset = -7.59927e+00;
        }
        {
          gain = 9.54905e-01;
          offset = -7.78290e+00;
        }
      ]
    ]
  }
  {
    bandNumber = 3L;
    gainOffsetCoefficient =
    {
      gain = 6.19216e-01;
      offset = -5.00000e+00;
    }
```

```
lowerReflectanceLimit = 0L;
upperReflectanceLimit = 100L;
referenceDetector = 8L;
useDefaultAbsCalibration = FALSE;
numberDetectors = 16L;
calibrationCoeffs_ =
[
  [
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      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;
    }
    {
      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 = 9.49308e-01;
      offset = -7.68643e+00;
    }
    {
      gain = 9.46413e-01;
      offset = -7.63720e+00;
    }
    {
      gain = 9.53066e-01;
      offset = -7.66555e+00;
    }
    {
      gain = 9.52285e-01;
      offset = -7.76498e+00;
    }
    {
      gain = 9.57118e-01;
      offset = -7.77233e+00;
    }
    {
      gain = 9.46111e-01;
      offset = -7.67233e+00;
    }
    {
      gain = 9.55434e-01;
      offset = -7.72859e+00;
    }
    {
      gain = 9.44967e-01;
      offset = -7.54354e+00;
```

```
    }
    {
      gain = 9.51288e-01;
      offset = -7.64884e+00;
    }
    {
      gain = 9.60841e-01;
      offset = -7.71267e+00;
    }
    {
      gain = 9.58754e-01;
      offset = -7.74011e+00;
    }
    {
      gain = 9.49736e-01;
      offset = -7.61117e+00;
    }
    {
      gain = 9.50605e-01;
      offset = -7.61222e+00;
    }
    {
      gain = 9.48095e-01;
      offset = -7.52519e+00;
    }
    {
      gain = 9.50918e-01;
      offset = -7.80852e+00;
    }
    {
      gain = 9.58352e-01;
      offset = -7.87422e+00;
    }
  ]
  [
    {
      gain = 9.49308e-01;
      offset = -7.68643e+00;
    }
    {
      gain = 9.46413e-01;
      offset = -7.63720e+00;
    }
    {
      gain = 9.53066e-01;
      offset = -7.66555e+00;
    }
    {
      gain = 9.52285e-01;
      offset = -7.76498e+00;
    }
    {
      gain = 9.57118e-01;
      offset = -7.77233e+00;
    }
    {
      gain = 9.46111e-01;
```

```
          offset = -7.67233e+00;
        }
        {
          gain = 9.55434e-01;
          offset = -7.72859e+00;
        }
        {
          gain = 9.44967e-01;
          offset = -7.54354e+00;
        }
        {
          gain = 9.51288e-01;
          offset = -7.64884e+00;
        }
        {
          gain = 9.60841e-01;
          offset = -7.71267e+00;
        }
        {
          gain = 9.58754e-01;
          offset = -7.74011e+00;
        }
        {
          gain = 9.49736e-01;
          offset = -7.61117e+00;
        }
        {
          gain = 9.50605e-01;
          offset = -7.61222e+00;
        }
        {
          gain = 9.48095e-01;
          offset = -7.52519e+00;
        }
        {
          gain = 9.50918e-01;
          offset = -7.80852e+00;
        }
        {
          gain = 9.58352e-01;
          offset = -7.87422e+00;
        }
      ]
    ]
  }
  {
    bandNumber = 4L;
    gainOffsetCoefficient =
    {
      gain = 9.65490e-01;
      offset = -5.10001e+00;
    }
    lowerReflectanceLimit = 0L;
    upperReflectanceLimit = 100L;
    referenceDetector = 7L;
    useDefaultAbsCalibration = FALSE;
    numberDetectors = 16L;
```

```
calibrationCoeffs_ =
[
  [
    {
      gain = 9.73203e-01;
      offset = -5.24022e+00;
    }
    {
      gain = 9.52973e-01;
      offset = -4.97395e+00;
    }
    {
      gain = 9.62212e-01;
      offset = -5.07834e+00;
    }
    {
      gain = 9.61105e-01;
      offset = -5.18357e+00;
    }
    {
      gain = 9.61707e-01;
      offset = -5.06960e+00;
    }
    {
      gain = 9.52747e-01;
      offset = -5.01169e+00;
    }
    {
      gain = 9.60975e-01;
      offset = -4.99721e+00;
    }
    {
      gain = 9.53142e-01;
      offset = -4.75906e+00;
    }
    {
      gain = 9.70981e-01;
      offset = -5.23925e+00;
    }
    {
      gain = 9.59190e-01;
      offset = -4.89074e+00;
    }
    {
      gain = 9.64149e-01;
      offset = -5.01053e+00;
    }
    {
      gain = 9.68192e-01;
      offset = -5.14419e+00;
    }
    {
      gain = 9.52601e-01;
      offset = -5.08923e+00;
    }
    {
      gain = 9.73001e-01;
```

```
    offset = -5.36265e+00;
  }
  {
    gain = 9.64407e-01;
    offset = -5.08979e+00;
  }
  {
    gain = 9.69390e-01;
    offset = -5.20536e+00;
  }
]
[
  {
    gain = 9.73203e-01;
    offset = -5.24022e+00;
  }
  {
    gain = 9.52973e-01;
    offset = -4.97395e+00;
  }
  {
    gain = 9.62212e-01;
    offset = -5.07834e+00;
  }
  {
    gain = 9.61105e-01;
    offset = -5.18357e+00;
  }
  {
    gain = 9.61707e-01;
    offset = -5.06960e+00;
  }
  {
    gain = 9.52747e-01;
    offset = -5.01169e+00;
  }
  {
    gain = 9.60975e-01;
    offset = -4.99721e+00;
  }
  {
    gain = 9.53142e-01;
    offset = -4.75906e+00;
  }
  {
    gain = 9.70981e-01;
    offset = -5.23925e+00;
  }
  {
    gain = 9.59190e-01;
    offset = -4.89074e+00;
  }
  {
    gain = 9.64149e-01;
    offset = -5.01053e+00;
  }
  {
```

```
    gain = 9.68192e-01;
    offset = -5.14419e+00;
  }
  {
    gain = 9.52601e-01;
    offset = -5.08923e+00;
  }
  {
    gain = 9.73001e-01;
    offset = -5.36265e+00;
  }
  {
    gain = 9.64407e-01;
    offset = -5.08979e+00;
  }
  {
    gain = 9.69390e-01;
    offset = -5.20536e+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;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
```

```
        }
        {
          gain = 1.00000e+00;
          offset = 0.00000e+00;
        }
        {
          gain = 1.00000e+00;
          offset = 0.00000e+00;
        }
        {
          gain = 1.00000e+00;
          offset = 0.00000e+00;
        }
        {
          gain = 1.00000e+00;
          offset = 0.00000e+00;
        }
        {
          gain = 1.00000e+00;
          offset = 0.00000e+00;
        }
        {
          gain = 1.00000e+00;
          offset = 0.00000e+00;
        }
        {
          gain = 1.00000e+00;
          offset = 0.00000e+00;
        }
        {
          gain = 1.00000e+00;
          offset = 0.00000e+00;
        }
        {
          gain = 1.00000e+00;
          offset = 0.00000e+00;
        }
      ]
    ]
  }
  {
    bandNumber = 5L;
    gainOffsetCoefficient =
    {
      gain = 1.25725e-01;
      offset = -9.99998e-01;
    }
    lowerReflectanceLimit = 0L;
    upperReflectanceLimit = 100L;
    referenceDetector = 14L;
    useDefaultAbsCalibration = FALSE;
    numberDetectors = 16L;
    calibrationCoeffs_ =
    [
      [
        {
          gain = 1.00000e+00;
```

```
  offset = 0.00000e+00;
}
{
  gain = 1.00000e+00;
  offset = 0.00000e+00;
}
{
  gain = 1.00000e+00;
  offset = 0.00000e+00;
}
{
  gain = 1.00000e+00;
  offset = 0.00000e+00;
}
{
  gain = 1.00000e+00;
  offset = 0.00000e+00;
}
{
  gain = 1.00000e+00;
  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;
    }
    {
      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 = 9.54158e-01;
    offset = -7.33010e+00;
  }
  {
    gain = 9.50688e-01;
    offset = -7.59219e+00;
  }
  {
    gain = 9.51396e-01;
    offset = -7.59861e+00;
  }
  {
    gain = 9.46769e-01;
    offset = -7.54407e+00;
  }
  {
    gain = 9.45294e-01;
    offset = -7.43240e+00;
  }
  {
    gain = 9.52761e-01;
    offset = -7.67528e+00;
  }
  {
    gain = 9.63084e-01;
    offset = -7.68722e+00;
  }
  {
    gain = 9.56968e-01;
    offset = -7.56667e+00;
  }
  {
    gain = 9.57619e-01;
    offset = -7.58333e+00;
  }
  {
    gain = 9.50832e-01;
    offset = -7.46551e+00;
  }
  {
```

```
    gain = 9.53398e-01;
    offset = -7.83958e+00;
  }
  {
    gain = 9.61984e-01;
    offset = -7.68934e+00;
  }
  {
    gain = 9.54803e-01;
    offset = -7.64280e+00;
  }
  {
    gain = 9.58216e-01;
    offset = -7.65302e+00;
  }
  {
    gain = 9.55813e-01;
    offset = -7.47841e+00;
  }
  {
    gain = 9.52238e-01;
    offset = -7.64326e+00;
  }
]
[
  {
    gain = 9.54158e-01;
    offset = -7.33010e+00;
  }
  {
    gain = 9.50688e-01;
    offset = -7.59219e+00;
  }
  {
    gain = 9.51396e-01;
    offset = -7.59861e+00;
  }
  {
    gain = 9.46769e-01;
    offset = -7.54407e+00;
  }
  {
    gain = 9.45294e-01;
    offset = -7.43240e+00;
  }
  {
    gain = 9.52761e-01;
    offset = -7.67528e+00;
  }
  {
    gain = 9.63084e-01;
    offset = -7.68722e+00;
  }
  {
    gain = 9.56968e-01;
    offset = -7.56667e+00;
  }
```

```
        {
          gain = 9.57619e-01;
          offset = -7.58333e+00;
        }
        {
          gain = 9.50832e-01;
          offset = -7.46551e+00;
        }
        {
          gain = 9.53398e-01;
          offset = -7.83958e+00;
        }
        {
          gain = 9.61984e-01;
          offset = -7.68934e+00;
        }
        {
          gain = 9.54803e-01;
          offset = -7.64280e+00;
        }
        {
          gain = 9.58216e-01;
          offset = -7.65302e+00;
        }
        {
          gain = 9.55813e-01;
          offset = -7.47841e+00;
        }
        {
          gain = 9.52238e-01;
          offset = -7.64326e+00;
        }
      ]
    ]
  }
  {
    bandNumber = 6L;
    gainOffsetCoefficient =
    {
      gain = 6.68235e-02;
      offset = 0.00000e+00;
    }
    lowerReflectanceLimit = 0L;
    upperReflectanceLimit = 100L;
    referenceDetector = 8L;
    useDefaultAbsCalibration = FALSE;
    numberDetectors = 8L;
    calibrationCoeffs_ =
    [
      [
        {
          gain = 8.66256e-01;
          offset = 2.65024e+01;
        }
        {
          gain = 8.83214e-01;
          offset = 2.46266e+01;
```

```
    }
    {
      gain = 8.60741e-01;
      offset = 2.69633e+01;
    }
    {
      gain = 8.61707e-01;
      offset = 2.68203e+01;
    }
    {
      gain = 8.44004e-01;
      offset = 2.86353e+01;
    }
    {
      gain = 8.85822e-01;
      offset = 2.42980e+01;
    }
    {
      gain = 8.42391e-01;
      offset = 2.88131e+01;
    }
    {
      gain = 8.28279e-01;
      offset = 3.02259e+01;
    }
  ]
  [
    {
      gain = 8.66256e-01;
      offset = 2.65024e+01;
    }
    {
      gain = 8.83214e-01;
      offset = 2.46266e+01;
    }
    {
      gain = 8.60741e-01;
      offset = 2.69633e+01;
    }
    {
      gain = 8.61707e-01;
      offset = 2.68203e+01;
    }
    {
      gain = 8.44004e-01;
      offset = 2.86353e+01;
    }
    {
      gain = 8.85822e-01;
      offset = 2.42980e+01;
    }
    {
      gain = 8.42391e-01;
      offset = 2.88131e+01;
    }
    {
      gain = 8.28279e-01;
```

```
    offset = 3.02259e+01;
  }
]
[
  {
    gain = 1.00000e+00;
    offset = 0.00000e+00;
  }
  {
    gain = 1.00000e+00;
    offset = 0.00000e+00;
  }
  {
    gain = 1.00000e+00;
    offset = 0.00000e+00;
  }
  {
    gain = 1.00000e+00;
    offset = 0.00000e+00;
  }
  {
    gain = 1.00000e+00;
    offset = 0.00000e+00;
  }
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    gain = 1.00000e+00;
    offset = 0.00000e+00;
  }
  {
    gain = 1.00000e+00;
    offset = 0.00000e+00;
  }
  {
    gain = 1.00000e+00;
    offset = 0.00000e+00;
  }
]
[
  {
    gain = 1.00000e+00;
    offset = 0.00000e+00;
  }
  {
    gain = 1.00000e+00;
    offset = 0.00000e+00;
  }
  {
    gain = 1.00000e+00;
    offset = 0.00000e+00;
  }
  {
    gain = 1.00000e+00;
    offset = 0.00000e+00;
  }
  {
    gain = 1.00000e+00;
    offset = 0.00000e+00;
```

```
      }
      {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
      {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
      {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
    ]
  ]
}
{
  bandNumber = 7L;
  gainOffsetCoefficient =
  {
    gain = 4.37255e-02;
    offset = -3.50000e-01;
  }
  lowerReflectanceLimit = 0L;
  upperReflectanceLimit = 100L;
  referenceDetector = 10L;
  useDefaultAbsCalibration = FALSE;
  numberDetectors = 16L;
  calibrationCoeffs_ =
  [
    [
      {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
      {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
      {
        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;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
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    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      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;
    }
    {
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      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 = 9.50182e-01;
      offset = -7.72453e+00;
    }
    {
      gain = 9.49055e-01;
      offset = -7.55135e+00;
    }
```

```
  {
    gain = 9.63671e-01;
    offset = -7.78882e+00;
  }
  {
    gain = 9.31802e-01;
    offset = -7.49583e+00;
  }
  {
    gain = 9.52365e-01;
    offset = -7.52724e+00;
  }
  {
    gain = 9.63039e-01;
    offset = -7.73190e+00;
  }
  {
    gain = 9.51906e-01;
    offset = -7.51051e+00;
  }
  {
    gain = 9.49157e-01;
    offset = -7.42961e+00;
  }
  {
    gain = 9.50785e-01;
    offset = -7.49447e+00;
  }
  {
    gain = 9.57120e-01;
    offset = -7.54611e+00;
  }
  {
    gain = 9.56807e-01;
    offset = -7.65724e+00;
  }
  {
    gain = 9.58721e-01;
    offset = -7.80804e+00;
  }
  {
    gain = 9.51049e-01;
    offset = -7.50832e+00;
  }
  {
    gain = 9.61090e-01;
    offset = -7.77010e+00;
  }
  {
    gain = 9.53192e-01;
    offset = -7.78738e+00;
  }
  {
    gain = 9.53781e-01;
    offset = -7.76898e+00;
  }
]
```

```
[
  {
    gain = 9.50182e-01;
    offset = -7.72453e+00;
  }
  {
    gain = 9.49055e-01;
    offset = -7.55135e+00;
  }
  {
    gain = 9.63671e-01;
    offset = -7.78882e+00;
  }
  {
    gain = 9.31802e-01;
    offset = -7.49583e+00;
  }
  {
    gain = 9.52365e-01;
    offset = -7.52724e+00;
  }
  {
    gain = 9.63039e-01;
    offset = -7.73190e+00;
  }
  {
    gain = 9.51906e-01;
    offset = -7.51051e+00;
  }
  {
    gain = 9.49157e-01;
    offset = -7.42961e+00;
  }
  {
    gain = 9.50785e-01;
    offset = -7.49447e+00;
  }
  {
    gain = 9.57120e-01;
    offset = -7.54611e+00;
  }
  {
    gain = 9.56807e-01;
    offset = -7.65724e+00;
  }
  {
    gain = 9.58721e-01;
    offset = -7.80804e+00;
  }
  {
    gain = 9.51049e-01;
    offset = -7.50832e+00;
  }
  {
    gain = 9.61090e-01;
    offset = -7.77010e+00;
  }
```

```
      {
        gain = 9.53192e-01;
        offset = -7.78738e+00;
      }
      {
        gain = 9.53781e-01;
        offset = -7.76898e+00;
      }
    ]
  ]
}
{
  bandNumber = 8L;
  gainOffsetCoefficient =
  {
    gain = 9.71765e-01;
    offset = -4.70000e+00;
  }
  lowerReflectanceLimit = 0L;
  upperReflectanceLimit = 100L;
  referenceDetector = 27L;
  useDefaultAbsCalibration = FALSE;
  numberDetectors = 32L;
  calibrationCoeffs_ =
  [
    [
      {
        gain = 9.60242e-01;
        offset = -4.60470e+00;
      }
      {
        gain = 9.65017e-01;
        offset = -4.60124e+00;
      }
      {
        gain = 9.66757e-01;
        offset = -4.67009e+00;
      }
      {
        gain = 9.66689e-01;
        offset = -4.66508e+00;
      }
      {
        gain = 9.56032e-01;
        offset = -4.57637e+00;
      }
      {
        gain = 9.59981e-01;
        offset = -4.68746e+00;
      }
      {
        gain = 9.58911e-01;
        offset = -4.62378e+00;
      }
      {
        gain = 9.70490e-01;
        offset = -4.75506e+00;
```

```
}
{
  gain = 9.57145e-01;
  offset = -4.77734e+00;
}
{
  gain = 9.64967e-01;
  offset = -4.71039e+00;
}
{
  gain = 9.59581e-01;
  offset = -4.80426e+00;
}
{
  gain = 9.65670e-01;
  offset = -4.80764e+00;
}
{
  gain = 9.61604e-01;
  offset = -4.76824e+00;
}
{
  gain = 9.69064e-01;
  offset = -4.82478e+00;
}
{
  gain = 9.53426e-01;
  offset = -4.64996e+00;
}
{
  gain = 9.68034e-01;
  offset = -4.74855e+00;
}
{
  gain = 9.68184e-01;
  offset = -4.80026e+00;
}
{
  gain = 9.57493e-01;
  offset = -4.73423e+00;
}
{
  gain = 9.59037e-01;
  offset = -4.71075e+00;
}
{
  gain = 9.61391e-01;
  offset = -4.55503e+00;
}
{
  gain = 9.53773e-01;
  offset = -4.67101e+00;
}
{
  gain = 9.55954e-01;
  offset = -4.51250e+00;
}
```

```
    {
      gain = 9.49412e-01;
      offset = -4.44441e+00;
    }
    {
      gain = 9.49876e-01;
      offset = -4.38981e+00;
    }
    {
      gain = 9.64751e-01;
      offset = -4.55884e+00;
    }
    {
      gain = 9.55118e-01;
      offset = -4.52694e+00;
    }
    {
      gain = 9.64236e-01;
      offset = -4.58285e+00;
    }
    {
      gain = 9.56567e-01;
      offset = -4.41498e+00;
    }
    {
      gain = 9.63866e-01;
      offset = -4.60462e+00;
    }
    {
      gain = 9.52425e-01;
      offset = -4.51266e+00;
    }
    {
      gain = 9.67293e-01;
      offset = -4.72872e+00;
    }
    {
      gain = 9.56470e-01;
      offset = -4.65142e+00;
    }
  ]
  [
    {
      gain = 9.60242e-01;
      offset = -4.60470e+00;
    }
    {
      gain = 9.65017e-01;
      offset = -4.60124e+00;
    }
    {
      gain = 9.66757e-01;
      offset = -4.67009e+00;
    }
    {
      gain = 9.66689e-01;
      offset = -4.66508e+00;
```

```
}
{
  gain = 9.56032e-01;
  offset = -4.57637e+00;
}
{
  gain = 9.59981e-01;
  offset = -4.68746e+00;
}
{
  gain = 9.58911e-01;
  offset = -4.62378e+00;
}
{
  gain = 9.70490e-01;
  offset = -4.75506e+00;
}
{
  gain = 9.57145e-01;
  offset = -4.77734e+00;
}
{
  gain = 9.64967e-01;
  offset = -4.71039e+00;
}
{
  gain = 9.59581e-01;
  offset = -4.80426e+00;
}
{
  gain = 9.65670e-01;
  offset = -4.80764e+00;
}
{
  gain = 9.61604e-01;
  offset = -4.76824e+00;
}
{
  gain = 9.69064e-01;
  offset = -4.82478e+00;
}
{
  gain = 9.53426e-01;
  offset = -4.64996e+00;
}
{
  gain = 9.68034e-01;
  offset = -4.74855e+00;
}
{
  gain = 9.68184e-01;
  offset = -4.80026e+00;
}
{
  gain = 9.57493e-01;
  offset = -4.73423e+00;
}
```

```
  {
    gain = 9.59037e-01;
    offset = -4.71075e+00;
  }
  {
    gain = 9.61391e-01;
    offset = -4.55503e+00;
  }
  {
    gain = 9.53773e-01;
    offset = -4.67101e+00;
  }
  {
    gain = 9.55954e-01;
    offset = -4.51250e+00;
  }
  {
    gain = 9.49412e-01;
    offset = -4.44441e+00;
  }
  {
    gain = 9.49876e-01;
    offset = -4.38981e+00;
  }
  {
    gain = 9.64751e-01;
    offset = -4.55884e+00;
  }
  {
    gain = 9.55118e-01;
    offset = -4.52694e+00;
  }
  {
    gain = 9.64236e-01;
    offset = -4.58285e+00;
  }
  {
    gain = 9.56567e-01;
    offset = -4.41498e+00;
  }
  {
    gain = 9.63866e-01;
    offset = -4.60462e+00;
  }
  {
    gain = 9.52425e-01;
    offset = -4.51266e+00;
  }
  {
    gain = 9.67293e-01;
    offset = -4.72872e+00;
  }
  {
    gain = 9.56470e-01;
    offset = -4.65142e+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;
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    gain = 1.00000e+00;
    offset = 0.00000e+00;
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    gain = 1.00000e+00;
    offset = 0.00000e+00;
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    gain = 1.00000e+00;
    offset = 0.00000e+00;
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    gain = 1.00000e+00;
    offset = 0.00000e+00;
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    gain = 1.00000e+00;
    offset = 0.00000e+00;
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    gain = 1.00000e+00;
    offset = 0.00000e+00;
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    gain = 1.00000e+00;
    offset = 0.00000e+00;
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    gain = 1.00000e+00;
    offset = 0.00000e+00;
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    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;
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  gain = 1.00000e+00;
  offset = 0.00000e+00;
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  gain = 1.00000e+00;
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  gain = 1.00000e+00;
  offset = 0.00000e+00;
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  gain = 1.00000e+00;
  offset = 0.00000e+00;
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  gain = 1.00000e+00;
  offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
  ]
  [
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
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      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
```

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{
  gain = 1.00000e+00;
  offset = 0.00000e+00;
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  gain = 1.00000e+00;
  offset = 0.00000e+00;
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  gain = 1.00000e+00;
  offset = 0.00000e+00;
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  gain = 1.00000e+00;
  offset = 0.00000e+00;
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  gain = 1.00000e+00;
  offset = 0.00000e+00;
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  gain = 1.00000e+00;
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  gain = 1.00000e+00;
  offset = 0.00000e+00;
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  gain = 1.00000e+00;
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  gain = 1.00000e+00;
  offset = 0.00000e+00;
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  gain = 1.00000e+00;
  offset = 0.00000e+00;
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  gain = 1.00000e+00;
  offset = 0.00000e+00;
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  gain = 1.00000e+00;
  offset = 0.00000e+00;
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  gain = 1.00000e+00;
  offset = 0.00000e+00;
}
{
  gain = 1.00000e+00;
  offset = 0.00000e+00;
}
{
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```
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
      {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
      {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
      {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
      {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
      {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
      {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
      {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
    ]
  ]
}
{
  bandNumber = 9L;
  gainOffsetCoefficient =
  {
    gain = 3.70588e-02;
    offset = 3.20000e+00;
  }
  lowerReflectanceLimit = 0L;
  upperReflectanceLimit = 100L;
  referenceDetector = 8L;
  useDefaultAbsCalibration = FALSE;
  numberDetectors = 8L;
  calibrationCoeffs_ =
  [
    [
      {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
      {
        gain = 1.00000e+00;
        offset = 0.00000e+00;
      }
```

```
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
  ]
  [
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
    }
    {
      gain = 1.00000e+00;
      offset = 0.00000e+00;
```

```
  }
]
[
  {
    gain = 9.43105e-01;
    offset = 3.72638e+00;
  }
  {
    gain = 9.58325e-01;
    offset = 2.06729e+00;
  }
  {
    gain = 9.34262e-01;
    offset = 4.58419e+00;
  }
  {
    gain = 9.34603e-01;
    offset = 4.42226e+00;
  }
  {
    gain = 9.17654e-01;
    offset = 6.12416e+00;
  }
  {
    gain = 9.65818e-01;
    offset = 1.08003e+00;
  }
  {
    gain = 9.13135e-01;
    offset = 6.57740e+00;
  }
  {
    gain = 8.97389e-01;
    offset = 8.07458e+00;
  }
]
[
  {
    gain = 9.43105e-01;
    offset = 3.72638e+00;
  }
  {
    gain = 9.58325e-01;
    offset = 2.06729e+00;
  }
  {
    gain = 9.34262e-01;
    offset = 4.58419e+00;
  }
  {
    gain = 9.34603e-01;
    offset = 4.42226e+00;
  }
  {
    gain = 9.17654e-01;
    offset = 6.12416e+00;
  }
```

```
              {
                gain = 9.65818e-01;
                offset = 1.08003e+00;
              }
              {
                gain = 9.13135e-01;
                offset = 6.57740e+00;
              }
              {
                gain = 8.97389e-01;
                offset = 8.07458e+00;
              }
            ]
          ]
        }
      ]
    }
  }
}
```


==========

RadQa.input:

==========


```
{
  commonChildInputParams =
  {
    productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003017500002/Product_";
    reportName = "RadQa.report";
  }
  MeasureBandSaturation = TRUE;
  ImagePathname =
"/usr1/nlaps/RT/workorders/011011003017500002/Product__OPR_MsResampler.tif";
  MeasureDetectorStriping = TRUE;
  satellite = "LS7 ";
  sensor = "ETMP";
}
```


==========

RadQa.report:

==========


```
{
  ReportHeader =
  {
    ReportName = "RadiometricQA_Report";
    VersionNumber = 1.000000000000000e+00;
    WorkOrderId = "011011003017500002";
    StartTime = "Mon Oct 15 12:13:58 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 12;
      minute = 13;
      sec = 58;
      usec = 0;
      time_system = 2;
    }
```

```
  CompletionTime = "Mon Oct 15 12:13:59 2001";
  CompletionTimeRecord =
  {
    year = 2001;
    month = 10;
    day = 15;
    hour = 12;
    minute = 13;
    sec = 59;
    usec = 0;
    time_system = 2;
  }
  CpuTime = 6.200000000000000e-01;
}
BandSaturationCounts =
[
  {
    Band = 1L;
    NumSaturatedPixels = 0.000000000000000e+00;
    PercentSaturatedPixels = 0.000000000000000e+00;
  }
  {
    Band = 2L;
    NumSaturatedPixels = 0.000000000000000e+00;
    PercentSaturatedPixels = 0.000000000000000e+00;
  }
  {
    Band = 3L;
    NumSaturatedPixels = 0.000000000000000e+00;
    PercentSaturatedPixels = 0.000000000000000e+00;
  }
  {
    Band = 4L;
    NumSaturatedPixels = 0.000000000000000e+00;
    PercentSaturatedPixels = 0.000000000000000e+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 = 1.872913197169719e-01;
    }
    {
      Band = 2L;
      BandStriping = 2.570779625881098e-01;
    }
    {
      Band = 3L;
      BandStriping = 4.770963819881733e-01;
    }
    {
      Band = 4L;
      BandStriping = 3.359568563156543e-01;
    }
    {
      Band = 5L;
      BandStriping = 3.914703357120475e-01;
    }
    {
      Band = 6L;
      BandStriping = 2.034159167782797e-01;
    }
    {
      Band = 7L;
      BandStriping = 3.655813878700994e-01;
    }
    {
      Band = 8L;
      BandStriping = 1.812229576751643e-01;
    }
    {
      Band = 9L;
      BandStriping = 3.682694662710317e-01;
    }
  ]
  ChipMeasurements =
  [
    {
      Band = 1L;
      Lines = 128L;
      PixelsPerLine = 128L;
      CentreLineAttr = 1.197599975585938e+03;
      CentrePixelAttr = 1.268000000000000e+03;
      Mean = 6.530090332031250e+01;
      StandardDeviation = 5.697718399934946e+00;
      ChipStriping = 1.782643149682683e-01;
```

}
{
  Band = 1L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 2.394199951171875e+03;
  CentrePixelAttr = 2.535000000000000e+03;
  Mean = 5.308831787109375e+01;
  StandardDeviation = 1.375410385824108e+00;
  ChipStriping = 1.031090292086952e-01;
}
{
  Band = 1L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 3.590800048828125e+03;
  CentrePixelAttr = 3.802000244140625e+03;
  Mean = 7.201257324218750e+01;
  StandardDeviation = 3.378239275863559e+00;
  ChipStriping = 3.432906720234848e-01;
}
{
  Band = 1L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 4.787399902343750e+03;
  CentrePixelAttr = 5.069000000000000e+03;
  Mean = 6.294281005859375e+01;
  StandardDeviation = 2.873787820706338e+00;
  ChipStriping = 1.245012626674390e-01;
}
{
  Band = 2L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 1.197599975585938e+03;
  CentrePixelAttr = 1.268000000000000e+03;
  Mean = 5.135455322265625e+01;
  StandardDeviation = 7.711046961854810e+00;
  ChipStriping = 1.308995692864966e-01;
}
{
  Band = 2L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 2.394199951171875e+03;
  CentrePixelAttr = 2.535000000000000e+03;
  Mean = 3.917053222656250e+01;
  StandardDeviation = 2.394633028067218e+00;
  ChipStriping = 1.801618689119889e-01;
}
{
  Band = 2L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 3.590800048828125e+03;
  CentrePixelAttr = 3.802000244140625e+03;

```
    Mean = 6.473925781250000e+01;
    StandardDeviation = 3.540065059171787e+00;
    ChipStriping = 4.660174386533957e-01;
  }
  {
    Band = 2L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 4.787399902343750e+03;
    CentrePixelAttr = 5.069000000000000e+03;
    Mean = 4.704687500000000e+01;
    StandardDeviation = 5.884583468803749e+00;
    ChipStriping = 2.512329735005581e-01;
  }
  {
    Band = 3L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 1.197599975585938e+03;
    CentrePixelAttr = 1.268000000000000e+03;
    Mean = 4.673156738281250e+01;
    StandardDeviation = 1.145806964274635e+01;
    ChipStriping = 1.992538604978452e-01;
  }
  {
    Band = 3L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 2.394199951171875e+03;
    CentrePixelAttr = 2.535000000000000e+03;
    Mean = 3.187396240234375e+01;
    StandardDeviation = 5.718438676466254e+00;
    ChipStriping = 3.977693213830956e-01;
  }
  {
    Band = 3L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 3.590800048828125e+03;
    CentrePixelAttr = 3.802000244140625e+03;
    Mean = 7.516058349609375e+01;
    StandardDeviation = 7.641792679855583e+00;
    ChipStriping = 1.024940652421582e+00;
  }
  {
    Band = 3L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 4.787399902343750e+03;
    CentrePixelAttr = 5.069000000000000e+03;
    Mean = 4.569104003906250e+01;
    StandardDeviation = 7.120607719428879e+00;
    ChipStriping = 2.864216936501697e-01;
  }
  {
    Band = 4L;
    Lines = 128L;
```

```
  PixelsPerLine = 128L;
  CentreLineAttr = 1.197599975585938e+03;
  CentrePixelAttr = 1.268000000000000e+03;
  Mean = 5.709210205078125e+01;
  StandardDeviation = 1.321195782881100e+01;
  ChipStriping = 2.738053260716224e-01;
}
{
  Band = 4L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 2.394199951171875e+03;
  CentrePixelAttr = 2.535000000000000e+03;
  Mean = 4.771514892578125e+01;
  StandardDeviation = 3.785580121706118e+00;
  ChipStriping = 1.835641017259750e-01;
}
{
  Band = 4L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 3.590800048828125e+03;
  CentrePixelAttr = 3.802000244140625e+03;
  Mean = 6.653894042968750e+01;
  StandardDeviation = 2.051455428706161e+00;
  ChipStriping = 3.337430981207821e-01;
}
{
  Band = 4L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 4.787399902343750e+03;
  CentrePixelAttr = 5.069000000000000e+03;
  Mean = 4.944738769531250e+01;
  StandardDeviation = 1.139218357069371e+01;
  ChipStriping = 5.527148993442379e-01;
}
{
  Band = 5L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 1.197599975585938e+03;
  CentrePixelAttr = 1.268000000000000e+03;
  Mean = 6.778857421875000e+01;
  StandardDeviation = 1.658277595564157e+01;
  ChipStriping = 4.494651049988468e-01;
}
{
  Band = 5L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 2.394199951171875e+03;
  CentrePixelAttr = 2.535000000000000e+03;
  Mean = 4.444378662109375e+01;
  StandardDeviation = 1.414155924737844e+01;
  ChipStriping = 3.326746307255518e-01;
}
```

{
  Band = 5L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 3.590800048828125e+03;
  CentrePixelAttr = 3.802000244140625e+03;
  Mean = 1.186678466796875e+02;
  StandardDeviation = 9.933334052426011e+00;
  ChipStriping = 5.626166661519191e-01;
}
{
  Band = 5L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 4.787399902343750e+03;
  CentrePixelAttr = 5.069000000000000e+03;
  Mean = 6.897796630859375e+01;
  StandardDeviation = 7.109592203605545e+00;
  ChipStriping = 2.211249409718720e-01;
}
{
  Band = 6L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 5.992000122070312e+02;
  CentrePixelAttr = 6.344000244140625e+02;
  Mean = 1.302662963867188e+02;
  StandardDeviation = 2.649932714245716e+00;
  ChipStriping = 8.506812891142956e-02;
}
{
  Band = 6L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 1.197400024414062e+03;
  CentrePixelAttr = 1.267800048828125e+03;
  Mean = 1.252625732421875e+02;
  StandardDeviation = 4.031922422927577e+00;
  ChipStriping = 2.063306363000061e-01;
}
{
  Band = 6L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 1.795600097656250e+03;
  CentrePixelAttr = 1.901200073242188e+03;
  Mean = 1.579248046875000e+02;
  StandardDeviation = 4.381767053064804e+00;
  ChipStriping = 2.425632244227554e-01;
}
{
  Band = 6L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 2.393800048828125e+03;
  CentrePixelAttr = 2.534600097656250e+03;
  Mean = 1.341060791015625e+02;

```
    StandardDeviation = 3.478151877488774e+00;
    ChipStriping = 2.797016774789276e-01;
  }
  {
    Band = 7L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 1.197599975585938e+03;
    CentrePixelAttr = 1.268000000000000e+03;
    Mean = 4.440960693359375e+01;
    StandardDeviation = 1.373188051465047e+01;
    ChipStriping = 3.130186357482827e-01;
  }
  {
    Band = 7L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 2.394199951171875e+03;
    CentrePixelAttr = 2.535000000000000e+03;
    Mean = 2.823187255859375e+01;
    StandardDeviation = 1.331493394598202e+01;
    ChipStriping = 4.933618457143832e-01;
  }
  {
    Band = 7L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 3.590800048828125e+03;
    CentrePixelAttr = 3.802000244140625e+03;
    Mean = 8.138934326171875e+01;
    StandardDeviation = 7.382063103793936e+00;
    ChipStriping = 5.335163895553139e-01;
  }
  {
    Band = 7L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 4.787399902343750e+03;
    CentrePixelAttr = 5.069000000000000e+03;
    Mean = 4.157550048828125e+01;
    StandardDeviation = 4.229129177185336e+00;
    ChipStriping = 1.224286804624179e-01;
  }
  {
    Band = 8L;
    Lines = 128L;
    PixelsPerLine = 128L;
    CentreLineAttr = 2.394400146484375e+03;
    CentrePixelAttr = 2.536800048828125e+03;
    Mean = 4.851110839843750e+01;
    StandardDeviation = 2.795192380193232e+00;
    ChipStriping = 2.972225186823474e-01;
  }
  {
    Band = 8L;
    Lines = 128L;
    PixelsPerLine = 128L;
```

```
  CentreLineAttr = 4.787800292968750e+03;
  CentrePixelAttr = 5.072600097656250e+03;
  Mean = 3.919201660156250e+01;
  StandardDeviation = 1.916763731236728e+00;
  ChipStriping = 9.504874639922653e-02;
}
{
  Band = 8L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 7.181200195312500e+03;
  CentrePixelAttr = 7.608400390625000e+03;
  Mean = 5.932110595703125e+01;
  StandardDeviation = 2.200351314203685e+00;
  ChipStriping = 1.745700232143320e-01;
}
{
  Band = 8L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 9.574600585937500e+03;
  CentrePixelAttr = 1.014420019531250e+04;
  Mean = 4.272784423828125e+01;
  StandardDeviation = 3.738949168436907e+00;
  ChipStriping = 1.580505424047512e-01;
}
{
  Band = 9L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 5.992000122070312e+02;
  CentrePixelAttr = 6.344000244140625e+02;
  Mean = 1.488927612304688e+02;
  StandardDeviation = 4.781828374334337e+00;
  ChipStriping = 1.479693796534872e-01;
}
{
  Band = 9L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 1.197400024414062e+03;
  CentrePixelAttr = 1.267800048828125e+03;
  Mean = 1.398430175781250e+02;
  StandardDeviation = 7.254068971615495e+00;
  ChipStriping = 3.794407548873652e-01;
}
{
  Band = 9L;
  Lines = 128L;
  PixelsPerLine = 128L;
  CentreLineAttr = 1.795600097656250e+03;
  CentrePixelAttr = 1.901200073242188e+03;
  Mean = 1.987168579101562e+02;
  StandardDeviation = 7.909253646546238e+00;
  ChipStriping = 4.330491572725002e-01;
}
{
```

```
      Band = 9L;
      Lines = 128L;
      PixelsPerLine = 128L;
      CentreLineAttr = 2.393800048828125e+03;
      CentrePixelAttr = 2.534600097656250e+03;
      Mean = 1.557797851562500e+02;
      StandardDeviation = 6.273028235666419e+00;
      ChipStriping = 5.126185732707742e-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 = 1.000000000000000e+00;
    BandPassed = TRUE;
  }
  {
    Band = 7L;
    StripingTolerance = 1.000000000000000e+00;
    BandPassed = TRUE;
  }
  {
    Band = 8L;
    StripingTolerance = 1.000000000000000e+00;
    BandPassed = TRUE;
  }
  {
    Band = 9L;
    StripingTolerance = 1.000000000000000e+00;
    BandPassed = TRUE;
```

```
    }
  ]
}
=====================================================================
BlacklineQa.input:
=====================================================================
{
  commonChildInputParams =
  {
    productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003017500002/Product_";
    reportName = "BlacklineQa.report";
  }
  ImagePathname =
"/usr1/nlaps/RT/workorders/011011003017500002/Product__OPR_MsResampler.tif";
}
=====================================================================
GeoQa.input:
=====================================================================
{
  commonChildInputParams =
  {
    inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/Input_";
    productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003017500002/Product_";
    outputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/Output_";
    reportName = "GeoQa.report";
  }
  MeasureBandSaturation = TRUE;
  MeasureDetectorStriping = FALSE;
  EvaluationRequired = TRUE;
  ImagePathname =
"/usr1/nlaps/RT/workorders/011011003017500002/Product__OPR_MsResampler.tif";
  DoAutomaticQaMarking = TRUE;
  ForceManualQaMarking = TRUE;
  demCorrected = TRUE;
  elevCorrected = FALSE;
  baseElevCorrected = FALSE;
}
=====================================================================
GeoQa.report:
=====================================================================
{
  ReportHeader =
  {
    ReportName = "GeometricQA_Report";
    VersionNumber = 1.000000000000000e+00;
    WorkOrderId = "011011003017500002";
    StartTime = "Mon Oct 15 12:14:01 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 12;
      minute = 14;
      sec = 1;
```

```
    usec = 0;
    time_system = 2;
  }
  CompletionTime = "Mon Oct 15 12:32:00 2001";
  CompletionTimeRecord =
  {
    year = 2001;
    month = 10;
    day = 15;
    hour = 12;
    minute = 32;
    sec = 0;
    usec = 0;
    time_system = 2;
  }
  CpuTime = 1.072000000000000e+01;
}
NumQaControlPoints = 11L;
Mean =
{
  AlongTrack = 3.780670404434204e+00;
  AcrossTrack = -5.323358178138733e-01;
  Height = 0.000000000000000e+00;
  Combined = 3.817964076995850e+00;
}
StandardDeviation =
{
  AlongTrack = 1.070204734802246e+01;
  AcrossTrack = 1.200907802581787e+01;
  Height = 0.000000000000000e+00;
  Combined = 1.608576393127441e+01;
}
MeasuredAbsoluteError =
{
  AlongTrack = 1.135021114349365e+01;
  AcrossTrack = 1.202087116241455e+01;
  Height = 0.000000000000000e+00;
  Combined = 1.653265380859375e+01;
}
MapAndDigitizationError = 1.123001502111238e+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 = 8220L;
    CpKind = "RCP";
    AutoMarked = TRUE;
    MarkedImageCoordLine = 1.236132226562500e+04;
    MarkedImageCoordPixel = 9.932313476562500e+03;
    GeodeticLatitude = 4.817571934760184e+01;
    GeodeticLongitude = -1.193374929724511e+02;
    Height = 3.761231993520632e+02;
    EarthModelName = "NAD83";
    AlongTrackResidual = 2.076622538398386e+00;
    AcrossTrackResidual = 1.270680786604483e+00;
    HeightResidual = 0.000000000000000e+00;
    CombinedResidual = 2.434541194646322e+00;
  }
  {
    CpNumber = 8197L;
    CpKind = "RCP";
    AutoMarked = FALSE;
    MarkedImageCoordLine = 6.921397460937500e+03;
    MarkedImageCoordPixel = 5.819151855468750e+03;
    GeodeticLatitude = 4.797201265386680e+01;
    GeodeticLongitude = -1.189993776980970e+02;
    Height = 5.279135990990326e+02;
    EarthModelName = "NAD83";
    AlongTrackResidual = 1.501144483134921e+01;
    AcrossTrackResidual = -2.819753327870331e-01;
    HeightResidual = 0.000000000000000e+00;
    CombinedResidual = 1.501409291342442e+01;
  }
  {
    CpNumber = 8031L;
    CpKind = "RCP";
    AutoMarked = FALSE;
    MarkedImageCoordLine = 4.043120849609375e+03;
    MarkedImageCoordPixel = 1.046551269531250e+03;
    GeodeticLatitude = 4.875719230650586e+01;
    GeodeticLongitude = -1.209228888590091e+02;
    Height = 1.827575006023049e+03;
    EarthModelName = "NAD83";
    AlongTrackResidual = -1.294200829913644e-02;
    AcrossTrackResidual = 1.366109456014493e-03;
    HeightResidual = 0.000000000000000e+00;
    CombinedResidual = 1.301390924590796e-02;
  }
  {
    CpNumber = 8030L;
    CpKind = "RCP";
    AutoMarked = FALSE;
    MarkedImageCoordLine = 4.003660156250000e+03;
    MarkedImageCoordPixel = 4.722399414062500e+03;
```

```
  GeodeticLatitude = 4.876356608727166e+01;
  GeodeticLongitude = -1.194237267972885e+02;
  Height = 2.843652931069955e+02;
  EarthModelName = "NAD83";
  AlongTrackResidual = 1.501132708905235e+01;
  AcrossTrackResidual = -1.500070288507659e+01;
  HeightResidual = 0.000000000000000e+00;
  CombinedResidual = 2.122171124157668e+01;
}
{
  CpNumber = 7996L;
  CpKind = "RCP";
  AutoMarked = FALSE;
  MarkedImageCoordLine = 5.448191894531250e+03;
  MarkedImageCoordPixel = 2.612312011718750e+03;
  GeodeticLatitude = 4.837901656434445e+01;
  GeodeticLongitude = -1.202859527282969e+02;
  Height = 6.727319998648018e+02;
  EarthModelName = "NAD83";
  AlongTrackResidual = -1.500426491914447e+01;
  AcrossTrackResidual = -1.682838411287690e-03;
  HeightResidual = 0.000000000000000e+00;
  CombinedResidual = 1.500426501351581e+01;
}
{
  CpNumber = 7961L;
  CpKind = "SCP";
  AutoMarked = FALSE;
  MarkedImageCoordLine = 2.398836181640625e+03;
  MarkedImageCoordPixel = 5.754920898437500e+03;
  GeodeticLatitude = 4.919171091330713e+01;
  GeodeticLongitude = -1.189905656951507e+02;
  Height = 7.338180596577004e+02;
  EarthModelName = "NAD83";
  AlongTrackResidual = 2.870971348875484e-01;
  AcrossTrackResidual = 1.501505122760276e+01;
  HeightResidual = 0.000000000000000e+00;
  CombinedResidual = 1.501779571483099e+01;
}
{
  CpNumber = 7847L;
  CpKind = "RCP";
  AutoMarked = TRUE;
  MarkedImageCoordLine = 1.687162231445312e+03;
  MarkedImageCoordPixel = 6.395177246093750e+03;
  GeodeticLatitude = 4.937987374703147e+01;
  GeodeticLongitude = -1.187203101767112e+02;
  Height = 2.057399996874854e+03;
  EarthModelName = "NAD83";
  AlongTrackResidual = -1.049069843206638e+01;
  AcrossTrackResidual = -1.691368514995427e+01;
  HeightResidual = 0.000000000000000e+00;
  CombinedResidual = 1.990295201582779e+01;
}
{
  CpNumber = 7839L;
  CpKind = "RCP";
```

```
  AutoMarked = FALSE;
  MarkedImageCoordLine = 2.346066894531250e+03;
  MarkedImageCoordPixel = 1.621996337890625e+03;
  GeodeticLatitude = 4.921525231927292e+01;
  GeodeticLongitude = -1.206901165547851e+02;
  Height = 4.250000000001863e+03;
  EarthModelName = "NAD83";
  AlongTrackResidual = -3.288564214457206e-01;
  AcrossTrackResidual = 1.501308531680260e+01;
  HeightResidual = 0.000000000000000e+00;
  CombinedResidual = 1.501668662773249e+01;
}
{
  CpNumber = 7818L;
  CpKind = "RCP";
  AutoMarked = FALSE;
  MarkedImageCoordLine = 3.567637451171875e+03;
  MarkedImageCoordPixel = 2.014979736328125e+03;
  GeodeticLatitude = 4.888601714039492e+01;
  GeodeticLongitude = -1.205283192389038e+02;
  Height = 2.153107196727768e+03;
  EarthModelName = "NAD83";
  AlongTrackResidual = 1.499274306908105e+01;
  AcrossTrackResidual = 1.503440718544795e+01;
  HeightResidual = 0.000000000000000e+00;
  CombinedResidual = 2.123242200393838e+01;
}
{
  CpNumber = 7726L;
  CpKind = "RCP";
  AutoMarked = FALSE;
  MarkedImageCoordLine = 1.484707763671875e+03;
  MarkedImageCoordPixel = 2.005775756835938e+03;
  GeodeticLatitude = 4.944746374905534e+01;
  GeodeticLongitude = -1.205321864386548e+02;
  Height = 6.525767988599837e+02;
  EarthModelName = "NAD83";
  AlongTrackResidual = -3.751499435098860e-03;
  AcrossTrackResidual = 3.984285094324459e-03;
  HeightResidual = 0.000000000000000e+00;
  CombinedResidual = 5.472501779296479e-03;
}
{
  CpNumber = 7719L;
  CpKind = "RCP";
  AutoMarked = FALSE;
  MarkedImageCoordLine = 8.558970336914062e+02;
  MarkedImageCoordPixel = 4.065308349609375e+03;
  GeodeticLatitude = 4.961387264333356e+01;
  GeodeticLongitude = -1.196782513722624e+02;
  Height = 1.767839996898547e+02;
  EarthModelName = "NAD83";
  AlongTrackResidual = 2.004865394177870e+01;
  AcrossTrackResidual = -1.999622281862792e+01;
  HeightResidual = 0.000000000000000e+00;
  CombinedResidual = 2.831602817997988e+01;
}
```

```
  ]
}
=====================================================================
ProductFormatting_0.input:
=====================================================================
{
  commonChildInputParams =
  {
    inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/Input_";
    productSceneHandle =
"/usr1/nlaps/RT/workorders/011011003017500002/Product_";
    outputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/";
    reportName = "ProductFormatting_0.report";
  }
  imagePathname =
"/usr1/nlaps/RT/workorders/011011003017500002/Product__OPR_MsResampler.tif";
  demPathname ?=
"/usr1/nlaps/RT/workorders/011011003017500002/DEM__OPR_WarpResampler.tif";
  productLocation = "/usr1/nlaps/RT/workorders/011011003017500002/";
  commonFormattingParams =
  {
    satellite = "LS7 ";
    sensor = "ETMP";
    dataStartTime =
    {
      year = 2000;
      month = 8;
      day = 17;
      hour = 18;
      minute = 40;
      sec = 8;
      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 =
        [
          0.000000000000000e+00;
          0.000000000000000e+00;
          0.000000000000000e+00;
          0.000000000000000e+00;
          0.000000000000000e+00;
          0.000000000000000e+00;
```

```
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
        0.000000000000000e+00;
      ]
      referenceSpheroid =
      {
        earth_spheroid_name = "NAD83";
        semimajor_axis = 6.378137000000000e+06;
        eccentricity_squared = 6.694380022900790e-03;
        earth_centre_offset =
        {
          lowerB = 1;
          upperB = 3;
          Bstore =
          [
            0.000000000000000e+00;
            0.000000000000000e+00;
            0.000000000000000e+00;
          ]
        }
        ellipsoidCode = 7019;
      }
    }
    GCTPZone = 4602;
  }
  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;
    }
  ]
}
quadrant = 5;
path = 45;
row = 26;
sceneShift ?= 0.000000000000000e+00F;
outputMediumData =
{
  formatOrganization = 1;
  formatAgencyType = 0;
  outputMediaType = 10;
}
outputBandList =
{
  numBands = 9;
  bandsUsed =
  [
    1;
    2;
    3;
    4;
    5;
    6;
    7;
    8;
```

```
        9;
      ]
    }
  }
  formatSpecificInfo =
  {
    numberOfScenes = 1.000000000000000e+00F;
    orientation = 1;
    productSequenceNumber = 123;
    geometricOutline ?= 2;
    writeDem ?= FALSE;
    inputDataFormat ?= 26;
    inputDatasetId ?=
"/diskIngest1/temp/01101100301750002/L72EDC190023018010_HDF.012851701";
  }
}
==================================================================
ProductFormatting_0.output:
==================================================================
{
  ReportHeader =
  {
    ReportName = "ProductFormattingReport";
    VersionNumber = 1.000000000000000e+00;
    WorkOrderId = "01101100301750002";
    StartTime = "Mon Oct 15 12:32:01 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 12;
      minute = 32;
      sec = 1;
      usec = 0;
      time_system = 2;
    }
    CompletionTime = "Mon Oct 15 12:32:54 2001";
    CompletionTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 12;
      minute = 32;
      sec = 54;
      usec = 0;
      time_system = 2;
    }
    CpuTime = 1.561000000000000e+01;
  }
  OutputFormat = "NDF";
  ImageOrganization = "BSQ";
  OutputPixelHeight = 3.000000000000000e+01F;
  OutputPixelWidth = 3.000000000000000e+01F;
  OutputBands =
  [
```

```
  1L;
  2L;
  3L;
  4L;
  5L;
  6L;
  7L;
  8L;
  9L;
]
SceneCentreDateTime =
{
  year = 2000;
  month = 8;
  day = 17;
  hour = 18;
  minute = 40;
  sec = 8;
  usec = 403360;
  time_system = 2;
}
SceneStartDateTime =
{
  year = 2000;
  month = 8;
  day = 17;
  hour = 18;
  minute = 39;
  sec = 54;
  usec = 929557;
  time_system = 2;
}
SceneEndDateTime =
{
  year = 2000;
  month = 8;
  day = 17;
  hour = 18;
  minute = 40;
  sec = 21;
  usec = 768994;
  time_system = 2;
}
SceneCentreLatLong =
{
  Latitude = 4.886953685116242e+01;
  Longitude = -1.197968009677083e+02;
}
TopLeftLatLong =
{
  Latitude = 4.984403745863341e+01;
  Longitude = -1.213673148487480e+02;
}
TopRightLatLong =
{
  Latitude = 4.982542888835670e+01;
  Longitude = -1.181999817643942e+02;
```

}
BottomLeftLatLong =
{
  Latitude = 4.789227025697425e+01;
  Longitude = -1.213353793911311e+02;
}
BottomRightLatLong =
{
  Latitude = 4.787431575075514e+01;
  Longitude = -1.182846319580372e+02;
}
TopLeftMap =
{
  Northing = 5.020199999987092e+05;
  Easting = 4.375199999999856e+05;
}
TopRightMap =
{
  Northing = 5.020199999987055e+05;
  Easting = 6.657300000000382e+05;
}
BottomLeftMap =
{
  Northing = 2.847899999982258e+05;
  Easting = 4.375199999999818e+05;
}
BottomRightMap =
{
  Northing = 2.847899999982202e+05;
  Easting = 6.657300000000496e+05;
}
ImageLines = 7242L;
ImagePixels = 7608L;
ImageOrientation = 0.000000000000000e+00;
OffNadirAngle = 7.551479860140931e-02;
SunElevation = 5.053620086858817e+01;
SunAzimuth = 1.471353561514577e+02;
NumberOfVolumes = 1;
MediaIdList =
[
  "";
]
OrbitNumber = 87566;
StartFileNumber = 1;
NumberOfFiles = 13;
ProductSize = 5.517326364517212e+02;
SatelliteData =
[
  {
    Time =
    {
      year = 2000L;
      month = 8L;
      day = 17L;
      hour = 18L;
      minute = 39L;
      sec = 54L;

```
    usec = 929557L;
    time_system = 2L;
  }
  OrbitState =
  {
    Latitude = 4.947666808410506e+01;
    Longitude = -1.194586985102525e+02;
    Radius = 7.075443507631007e+06;
  }
  AttitudeState =
  {
    Roll = -4.345578625746876e-04;
    Pitch = 4.230342386395951e-05;
    Yaw = 1.834676471145220e-04;
  }
}
{
  Time =
  {
    year = 2000L;
    month = 8L;
    day = 17L;
    hour = 18L;
    minute = 40L;
    sec = 8L;
    usec = 403360L;
    time_system = 2L;
  }
  OrbitState =
  {
    Latitude = 4.867730027777813e+01;
    Longitude = -1.197866468020827e+02;
    Radius = 7.075559873206069e+06;
  }
  AttitudeState =
  {
    Roll = -4.553138582200516e-04;
    Pitch = 7.220377458105609e-05;
    Yaw = 1.958861792819434e-04;
  }
}
{
  Time =
  {
    year = 2000L;
    month = 8L;
    day = 17L;
    hour = 18L;
    minute = 40L;
    sec = 21L;
    usec = 768994L;
    time_system = 2L;
  }
  OrbitState =
  {
    Latitude = 4.788374955922654e+01;
    Longitude = -1.201035637246092e+02;
```

```
        Radius = 7.075676748103693e+06;
      }
      AttitudeState =
      {
        Roll = -5.463559810793737e-04;
        Pitch = 4.194217129357318e-05;
        Yaw = 2.081291506577264e-04;
      }
    }
  ]
  procImageryFileInfo =
  [
    {
      procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500002/011011003017500002I.hdr1";
      procImageryFileSize = 1982L;
    }
    {
      procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500002/011011003017500002_I1.dat";
      procImageryFileSize = 220388544L;
    }
    {
      procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500002/011011003017500002I.hdr2";
      procImageryFileSize = 2708L;
    }
    {
      procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500002/011011003017500002_I2.dat";
      procImageryFileSize = 55097136L;
    }
    {
      procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500002/011011003017500002_I3.dat";
      procImageryFileSize = 55097136L;
    }
    {
      procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500002/011011003017500002_I4.dat";
      procImageryFileSize = 55097136L;
    }
    {
      procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500002/011011003017500002_I5.dat";
      procImageryFileSize = 55097136L;
    }
    {
      procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500002/011011003017500002_I6.dat";
      procImageryFileSize = 55097136L;
    }
    {
      procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500002/011011003017500002_I7.dat";
      procImageryFileSize = 55097136L;
    }
```

```
    {
      procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500002/011011003017500002I.hdr3";
      procImageryFileSize = 2126L;
    }
    {
      procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500002/011011003017500002_I8.dat";
      procImageryFileSize = 13774284L;
    }
    {
      procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500002/011011003017500002_I9.dat";
      procImageryFileSize = 13774284L;
    }
    {
      procImageryFilename =
"/usr1/nlaps/RT/workorders/011011003017500002/L71045026_02620000817_MTL.txt";
      procImageryFileSize = 6857L;
    }
  ]
}
==================================================================
Browse.input:
==================================================================
{
  commonChildInputParams =
  {
    inputSceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/Input_";
    reportName = "Browse.report";
  }
  inputImageFileName =
"/usr1/nlaps/RT/workorders/011011003017500002/Product__OPR_MsResampler.tif";
  metaDataFormatType = 2;
  produceBrowseImages = FALSE;
  productDropBoxDirectory = "/usr1/nlaps/RT/workorders/011011003017500002";
  productRelativeImageLocation = "./011011003017500002_";
  productRelativeMetaDataLocation = "./011011003017500002_";
  archiveFiles = FALSE;
  destinationLocation =
  {
    dropBoxDirectory = "/usr1/nlaps/RT/workorders/011011003017500002";
    relativeBrowseImageLocation = "011011003017500002_Browse.36278694.tif";
    relativeBrowseMetaDataLocation = "PGS__011011003017500002.36278694__";
  }
  decimationRecord =
  {
    decimationType = 4;
    maxWidth = 512;
    maxHeight = 512;
    decimation = 2.500000000000000e-01;
  }
  workOrderPriority = 7.000000000000000e+00F;
  correctionLevel = "Precision Geocorrection";
  productOrientation = 1;
  path = 45;
  row = 26;
```

```
  productSceneShift ?= 0.000000000000000e+00F;
  productInfo =
  {
    productInputDataSet =
"/diskIngest1/temp/01101100301750002/L72EDC190023018010_HDF.012851701";
    productOutputDataSet = "";
    productGenerationTime = "Mon Oct 15 12:32:54 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 = 0.000000000000000e+00F;
    framingDefinition ?= "Path/Row";
    pixelSpacing ?= 3.000000000000000e+01F;
    lineSpacing ?= 3.000000000000000e+01F;
  }
  stationId ?= "EDC";
}
====================================================================
Browse.report:
====================================================================
{
  ReportHeader =
  {
    ReportName = "browseImageGeneration";
    VersionNumber = 1.000000000000000e+00;
    WorkOrderId = "011011003017500002";
    StartTime = "Mon Oct 15 12:32:55 2001";
    StartTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 12;
      minute = 32;
      sec = 55;
      usec = 0;
      time_system = 2;
    }
    CompletionTime = "Mon Oct 15 12:32:57 2001";
    CompletionTimeRecord =
    {
      year = 2001;
      month = 10;
      day = 15;
      hour = 12;
      minute = 32;
      sec = 57;
```

```
      usec = 0;
      time_system = 2;
    }
    CpuTime = 5.400000000000000e-01;
  }
}
==================================================================
Browse.output:
==================================================================
{
  browseImageFileName = "011011003017500002_BrowseImage.tif";
  browseMetadataFileName = "011011003017500002_BrowseMeta.data";
  allocationId = 0L;
}
==================================================================
ArchiveRadCorr.input:
==================================================================
{
  sceneHandle = "/usr1/nlaps/RT/workorders/011011003017500002/Product_";
  inputFormat = 26;
}
==================================================================
GetProcHistResource.input:
==================================================================
{
  files =
  [
    {
      fileName =
"/usr1/nlaps/RT/workorders/011011003017500002/011011003017500002.his";
      fileSize = 100000L;
    }
    {
      fileName =
"/usr1/nlaps/RT/workorders/011011003017500002/011011003017500002.rpt";
      fileSize = 100000L;
    }
  ]
}
==================================================================
/usr1/nlaps/RT/log/011011003017500002.log:
==================================================================
<created: 15-10-2001 08:05:59>
15-10-2001 08:05:59 Info                  PPGSOCP_Application    WCU:0000
WCU_WriteMessageToWo:00073
      Work order was edited by operator hansen.


15-10-2001 08:05:59 Info                       DDWOE_WoEditor   MAIN:0009
MAIN_MainCommon.cc:00484
      Process DDWOE_WoEditor, PID 35879103@edcsgs22, started at 15-10-2001
08:05:59


15-10-2001 08:07:07 Info                       DDWOE_WoEditor   MAIN:0010
MAIN_MainCommon.cc:00528
```

```
      Process DDWOE_WoEditor, PID 35879103@edcsgs22, stopped at 15-10-2001
08:07:07


15-10-2001 08:34:11 Info                        DDWOE_WoEditor   MAIN:0009
MAIN_MainCommon.cc:00484
      Process DDWOE_WoEditor, PID 35683576@edcsgs22, started at 15-10-2001
08:34:11


15-10-2001 08:35:03 Info                        DDWOE_WoEditor   MAIN:0010
MAIN_MainCommon.cc:00528
      Process DDWOE_WoEditor, PID 35683576@edcsgs22, stopped at 15-10-2001
08:35:03


15-10-2001 09:12:57 Info                   PPGSOCP_Application    WCU:0000
WCU_WriteMessageToWo:00073
      Work order was edited by operator hansen.


15-10-2001 09:12:57 Info                        DDWOE_WoEditor   MAIN:0009
MAIN_MainCommon.cc:00484
      Process DDWOE_WoEditor, PID 34792335@edcsgs22, started at 15-10-2001
09:12:57


15-10-2001 09:19:09 Info                        DDWOE_WoEditor   MAIN:0010
MAIN_MainCommon.cc:00528
      Process DDWOE_WoEditor, PID 34792335@edcsgs22, stopped at 15-10-2001
09:19:09


15-10-2001 09:19:21 Info                   PPGSOCP_Application    WCU:0000
WCU_WriteMessageToWo:00073
      Work order was started by operator hansen.


15-10-2001 09:19:24 Info                    SCON_EvmController   MAIN:0009
MAIN_MainCommon.cc:00484
      Process SCON_EvmController, PID 36278694@edcsgs22, started at 15-10-2001
09:19:24


15-10-2001 09:19:24 Info                   WOSV_WoManagerServer   WOSV:0103
WCU_WriteMessageToWo:00106
      Workorder started.


15-10-2001 09:19:24 Info                   WOSV_WoManagerServer    WCU:0000
WCU_WriteMessageToWo:00073
      Workorder is executing on host localhost.


15-10-2001 09:19:26 Info                 ACQ_InitializeAcqModel   MAIN:0009
MAIN_MainCommon.cc:00484
```

```
      Process ACQ_InitializeAcqModel, PID 36475864@edcsgs22, started at 15-10-
2001 09:19:26


15-10-2001 09:19:27 Warning            ACQ_InitializeAcqModel    TIM:0011
TIM_TimeModel.cc:00462
      Using Predicted value of UT1 for 2000 8 17


15-10-2001 09:19:27 Warning            ACQ_InitializeAcqModel    TIM:0011
TIM_TimeModel.cc:00563
      Using Predicted value of UT1 for 2000 8 18


15-10-2001 09:19:27 Warning            ACQ_InitializeAcqModel    EAR:0031
EAR_PoleWander.cc:00417
      Using predicted, not measured pole wander data for 17-AUG-00.
15-10-2001 09:19:27 Warning            ACQ_InitializeAcqModel    EAR:0031
EAR_PoleWander.cc:00417
      Using predicted, not measured pole wander data for 18-AUG-00.


15-10-2001 09:19:28 Info               ACQ_InitializeAcqModel   MAIN:0010
MAIN_MainCommon.cc:00528
      Process ACQ_InitializeAcqModel, PID 36475864@edcsgs22, stopped at 15-10-
2001 09:19:28


15-10-2001 09:19:30 Info                             LZR_Main   MAIN:0009
MAIN_MainCommon.cc:00484
      Process LZR_Main, PID 35848401@edcsgs22, started at 15-10-2001 09:19:30


15-10-2001 09:21:00 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 09:22:01 Info                             LZR_Main   MAIN:0010
MAIN_MainCommon.cc:00528
      Process LZR_Main, PID 35848401@edcsgs22, stopped at 15-10-2001 09:22:01


15-10-2001 09:22:04 Info                             DEM_Init   MAIN:0009
MAIN_MainCommon.cc:00484
      Process DEM_Init, PID 34114744@edcsgs22, started at 15-10-2001 09:22:04


15-10-2001 09:22:06 Info                             DEM_Init   MAIN:0010
MAIN_MainCommon.cc:00528
      Process DEM_Init, PID 34114744@edcsgs22, stopped at 15-10-2001 09:22:06


15-10-2001 09:22:06 Info                  PSM_ModelRefinement   MAIN:0009
MAIN_MainCommon.cc:00484
```

Process PSM_ModelRefinement, PID 36169039@edcsgs22, started at 15-10-2001 09:22:06

15-10-2001 11:39:35 Info MDR_Application MAIN:0009 MAIN_MainCommon.cc:00484
Process MDR_Application, PID 36348453@edcsgs22, started at 15-10-2001 11:39:35

15-10-2001 11:39:35 Info MDR_Application MAIN:0015 MAIN_MainCommon.cc:00496
Process MDR_Application, Started by hansen

15-10-2001 11:59:52 Info MDR_Application WCU:0000 WCU_WriteMessageToWo:00073
Work Order 011011003017500002 - manual marking was accepted by Operator hansen

15-10-2001 11:59:55 Info MDR_Application MAIN:0010 MAIN_MainCommon.cc:00528
Process MDR_Application, PID 36348453@edcsgs22, stopped at 15-10-2001 11:59:55

15-10-2001 11:59:55 Info MDR_Application MAIN:0016 MAIN_MainCommon.cc:00540
Process MDR_Application, Stopped by hansen

15-10-2001 11:59:56 Info PSM_ModelRefinement MAIN:0010 MAIN_MainCommon.cc:00528
Process PSM_ModelRefinement, PID 36169039@edcsgs22, stopped at 15-10-2001 11:59:56

15-10-2001 11:59:58 Info PDD_DefineGenericProduct MAIN:0009 MAIN_MainCommon.cc:00484
Process PDD_DefineGenericProduct, PID 36299612@edcsgs22, started at 15-10-2001 11:59:58

15-10-2001 12:00:00 Warning PDD_DefineGenericProduct ACQ:0026 ACQ_AcquisitionModel:01074
Could not convert input coordinates to geodetic coordinates

15-10-2001 12:00:00 Warning PDD_DefineGenericProduct ACQ:0026 ACQ_AcquisitionModel:01074
Could not convert input coordinates to geodetic coordinates

15-10-2001 12:00:00 Warning PDD_DefineGenericProduct ACQ:0026 ACQ_AcquisitionModel:01074
Could not convert input coordinates to geodetic coordinates

```
15-10-2001 12:00:00 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:00 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:01 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:01 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:03 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:04 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:04 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:04 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:04 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:05 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:05 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates
```

```
15-10-2001 12:00:06 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:06 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:06 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:07 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:07 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:07 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:07 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:07 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:08 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:08 Warning          PDD_DefineGenericProduct    ACQ:0026
ACQ_AcquisitionModel:01074
      Could not convert input coordinates to geodetic coordinates


15-10-2001 12:00:08 Info             PDD_DefineGenericProduct   MAIN:0010
MAIN_MainCommon.cc:00528
      Process PDD_DefineGenericProduct, PID 36299612@edcsgs22, stopped at 15-10-
2001 12:00:08
```

```
15-10-2001 12:00:09 Info                    DEMI_IngestControl   MAIN:0009
MAIN_MainCommon.cc:00484
      Process DEMI_IngestControl, PID 36323664@edcsgs22, started at 15-10-2001
12:00:09


15-10-2001 12:00:54 Info                    DEMI_IngestControl   MAIN:0010
MAIN_MainCommon.cc:00528
      Process DEMI_IngestControl, PID 36323664@edcsgs22, stopped at 15-10-2001
12:00:54


15-10-2001 12:00:55 Info                     OPR_WarpResampler   MAIN:0009
MAIN_MainCommon.cc:00484
      Process OPR_WarpResampler, PID 34515578@edcsgs22, started at 15-10-2001
12:00:55


15-10-2001 12:01:19 Info                     OPR_WarpResampler   MAIN:0010
MAIN_MainCommon.cc:00528
      Process OPR_WarpResampler, PID 34515578@edcsgs22, stopped at 15-10-2001
12:01:19


15-10-2001 12:01:22 Info                       OPR_MsResampler   MAIN:0009
MAIN_MainCommon.cc:00484
      Process OPR_MsResampler, PID 36318413@edcsgs22, started at 15-10-2001
12:01:22


15-10-2001 12:13:56 Info                       OPR_MsResampler   MAIN:0010
MAIN_MainCommon.cc:00528
      Process OPR_MsResampler, PID 36318413@edcsgs22, stopped at 15-10-2001
12:13:56


15-10-2001 12:13:58 Info              RQA_PerformRadiometricQA   MAIN:0009
MAIN_MainCommon.cc:00484
      Process RQA_PerformRadiometricQA, PID 36437685@edcsgs22, started at 15-10-
2001 12:13:58


15-10-2001 12:13:59 Info              RQA_PerformRadiometricQA   MAIN:0010
MAIN_MainCommon.cc:00528
      Process RQA_PerformRadiometricQA, PID 36437685@edcsgs22, stopped at 15-10-
2001 12:13:59


15-10-2001 12:14:00 Info                       BQA_BlackfillQa   MAIN:0009
MAIN_MainCommon.cc:00484
      Process BQA_BlackfillQa, PID 35410510@edcsgs22, started at 15-10-2001
12:14:00


15-10-2001 12:14:00 Info                       BQA_BlackfillQa   MAIN:0010
MAIN_MainCommon.cc:00528
```

Process BQA_BlackfillQa, PID 35410510@edcsgs22, stopped at 15-10-2001 12:14:00

15-10-2001 12:14:01 Info GQA_PerformGeometricQA MAIN:0009 MAIN_MainCommon.cc:00484
Process GQA_PerformGeometricQA, PID 35612714@edcsgs22, started at 15-10-2001 12:14:01

15-10-2001 12:22:56 Info VAL_Application MAIN:0009 MAIN_MainCommon.cc:00484
Process VAL_Application, PID 35999778@edcsgs22, started at 15-10-2001 12:22:56

15-10-2001 12:22:56 Info VAL_Application MAIN:0015 MAIN_MainCommon.cc:00496
Process VAL_Application, Started by hansen

15-10-2001 12:31:59 Info VAL_Application WCU:0000 WCU_WriteMessageToWo:00073
Work Order 011011003017500002 - manual marking was accepted by Operator hansen

15-10-2001 12:32:00 Info GQA_PerformGeometricQA MAIN:0010 MAIN_MainCommon.cc:00528
Process GQA_PerformGeometricQA, PID 35612714@edcsgs22, stopped at 15-10-2001 12:32:00

15-10-2001 12:32:01 Info TOXNF_MakeProduct MAIN:0009 MAIN_MainCommon.cc:00484
Process TOXNF_MakeProduct, PID 34889577@edcsgs22, started at 15-10-2001 12:32:01

15-10-2001 12:32:03 Info VAL_Application MAIN:0010 MAIN_MainCommon.cc:00528
Process VAL_Application, PID 35999778@edcsgs22, stopped at 15-10-2001 12:32:03

15-10-2001 12:32:03 Info VAL_Application MAIN:0016 MAIN_MainCommon.cc:00540
Process VAL_Application, Stopped by hansen

15-10-2001 12:32:54 Info TOXNF_MakeProduct MAIN:0010 MAIN_MainCommon.cc:00528
Process TOXNF_MakeProduct, PID 34889577@edcsgs22, stopped at 15-10-2001 12:32:54

```
15-10-2001 12:32:55 Info                    BIM_OpticalBrowse   MAIN:0009
MAIN_MainCommon.cc:00484
      Process BIM_OpticalBrowse, PID 30966563@edcsgs22, started at 15-10-2001
12:32:55


15-10-2001 12:32:57 Info                    BIM_OpticalBrowse   MAIN:0010
MAIN_MainCommon.cc:00528
      Process BIM_OpticalBrowse, PID 30966563@edcsgs22, stopped at 15-10-2001
12:32:57


15-10-2001 12:32:59 Info                    RDC_ArchiveReport   MAIN:0009
MAIN_MainCommon.cc:00484
      Process RDC_ArchiveReport, PID 36511179@edcsgs22, started at 15-10-2001
12:32:59


15-10-2001 12:32:59 Info                    RDC_ArchiveReport   MAIN:0010
MAIN_MainCommon.cc:00528
      Process RDC_ArchiveReport, PID 36511179@edcsgs22, stopped at 15-10-2001
12:32:59


15-10-2001 12:33:01 Info                 RMAN_GetDiskResource   MAIN:0009
MAIN_MainCommon.cc:00484
      Process RMAN_GetDiskResource, PID 35614134@edcsgs22, started at 15-10-2001
12:33:01


15-10-2001 12:33:01 Info                 RMAN_GetDiskResource   MAIN:0010
MAIN_MainCommon.cc:00528
      Process RMAN_GetDiskResource, PID 35614134@edcsgs22, stopped at 15-10-2001
12:33:01
```