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| Lvl | Entity | Type | Description |
| 1 | JOBFile {  product,  TimeStamp,  jobName,  version,  productVersion,  FieldBook  } | - |  |
| 2 | PhotoInstrumentRecord {  TimeStamp,  ID  } | - | Information about the photo instrumentation. Appears to reference the UAV, not the camera.  ***Timestamp*** is the time the instrument record is recorded.  ***ID*** is the internal ID for the instrument record. |
| 3 | Type | String | Unknown. Appears to always be Aerial. |
| 3 | Model | String | Model of the photo instrument. Appears to always be Trimble UX5. |
| 3 | Serial | String | Serial number of the photo instrument. |
| 3 | FirmwareVersion | String | Firmware version of the photo instrument. |
| 3 | UserDefinedName | String | Unknown. Appears to always be Prototype. |
| 2 | CameraDesignRecord {  TimeStamp,  ID  } | - | Manufacturer and capability information related to a camera used to take images.  ***Timestamp*** is the time the camera design was recorded.  ***ID*** is the internal ID of the camera design. |
| 3 | Type | String | Model of the camera. |
| 3 | HeightPixels | Int | Source height of the camera images. |
| 3 | WidthPixels | Int | Source width of the camera images. |
| 3 | PixelSize | Float | Real size of each pixel of the camera. Extremely small. |
| 3 | LensModel | String | Type of lens used on the camera. Appears to always be Rectilinear. |
| 3 | NominalFocalLength | Float | Nominal focal length of the camera. |
| 2 | CameraRecord2 {  TimeStamp,  ID  } | - | Used throughout the JXL to reference a specific camera that was used to take images.  ***Timestamp*** is the time the camera record was recorded.  ***ID*** is the internal identifier for the camera record. |
| 3 | CameraDesignID | Int | ID of the CameraDesignRecord related to this camera. |
| 3 | CameraPosition | Int | Unknown. Appears to always be 01. |
| 3 | Optics | - |  |
| 4 | IdealAngularMagnification | Float | Unknown. Appears to always by 1.0. |
| 4 | AngleSymmetricDistortion | - |  |
| 5 | Order3 | Float | Unknown. |
| 5 | Order5 | Float | Unknown. |
| 5 | Order7 | Float | Unknown. |
| 5 | Order9 | Float | Unknown. |
| 4 | AngleDecenteringDistortion | - |  |
| 5 | Column | Float | Unknown. |
| 5 | Row | Float | Unknown. |
| 3 | Geometry | - |  |
| 4 | PerspectiveCenterPixels | - |  |
| 5 | PrincipalPointColumn | Float | Unknown. |
| 5 | PrincipalPointRow | Float | Unknown. |
| 5 | PrincipalDistance | Float | Unknown. |
| 4 | VectorOffset | - |  |
| 5 | X | Float | Unknown. |
| 5 | Y | Float | Unknown. |
| 5 | Z | Float | Unknown. |
| 4 | BiVectorAngle | - |  |
| 5 | XX | Float | Unknown. |
| 5 | YY | Float | Unknown. |
| 5 | ZZ | Float | Unknown. |
| 2 | PointRecord {  TimeStamp,  ID  } |  | Location information for an image.  ***Timestamp*** is the time the image was taken.  ***ID*** is the internal identifier for this point record. |
| 3 | Name | String | The name of the image (without the .JPG extension). |
| 3 | Code |  | Unknown. |
| 3 | Method | String | Method for the location data. Appears to always be Coordinates. |
| 3 | SurveyMethod | String | Method for the survey. Appears to always be Autonomous. |
| 3 | Classification | String | Unknown. Appears to always be Normal. |
| 3 | Deleted | Bool | Unknown. Appears to always be false. |
| 3 | WGS84 | - | Holds the location information. May dependent on the Method. |
| 4 | Latitude | Float | Latitude location. |
| 4 | Longitude | Float | Longitude location. |
| 4 | Height | Float | Height from which the image was recorded. See Environment for distance unit. |
| 2 | PhotoStationRecord {  TimeStamp,  ID  } |  | Holds information about the instrumentation and orientation for an image.  ***Timestamp*** is the time the image was taken.  ***ID*** is the internal identifier for the photo station record. |
| 3 | StationName | String | The name of the image (without the .JPG extension). |
| 3 | InstrumentHeight | 0 | Unknown. Appears to always be 0. |
| 3 | RawInstrumentHeight | - |  |
| 4 | MeasurementMethod | String | Unknown. Appears to always be TrueHeight. |
| 4 | MeasuredHeight | 0 | Unknown. Appears to always be 0. |
| 4 | HorizontalOffset | 0 | Unknown. Appears to always be 0. |
| 4 | VerticalOffset | 0 | Unknown. Appears to always be 0. |
| 3 | InstrumentID | Int | ID of the instrument used. See: PhotoInstrumentRecord. |
| 3 | AtmosphereID | 0 | Unknown. Appears to always be 0. |
| 3 | StationType | String | Unknown. Appears to always be RawSensorValues. |
| 3 | DeviceAxisOrientationData | - |  |
| 4 | DeviceAxisOrientation | - |  |
| 5 | BiVector | - |  |
| 6 | XX | Float | X-axis rotation during imaging. (roll) |
| 6 | YY | Float | Y-axis rotation during imaging. (pitch) |
| 6 | ZZ | Float | Z-axis rotation during imaging. (yaw) |
| 4 | MeasurementMethod | String | Unknown. Appears to always be TrueHeight. |
| 4 | MeasuredHeight | 0 | Unknown. Appears to always be 0. |
| 4 | HorizontalOffset | 0 | Unknown. Appears to always be 0. |
| 4 | VerticalOffset | 0 | Unknown. Appears to always be 0. |
| 2 | ImageRecord {  TimeStamp,  ID  } |  | Information about the image itself.  ***Timestamp*** is the time the image was taken.  ***ID*** is the internal identifier for the image record. |
| 3 | StationID | String | ID of the PhotoStationRecord for this image. |
| 3 | BackBearingID | - | Unknown. Appears to always be empty. |
| 3 | CameraID | Int | ID of the CameraRecord2 used to take this image. |
| 3 | PointRecordID | - | Unknown. Appears to always be empty. |
| 3 | FileName | String | Filename for the image, with .JPG extension. |
| 3 | HorizontalAngle | - | Unknown. Appears to always be empty. |
| 3 | VerticalAngle | - | Unknown. Appears to always be empty. |
| 3 | Width | Int | Width of the stored image. |
| 3 | Height | Int | Height of the stored image. |
| 3 | SourceX | Int | Unknown. Appears to always be 0. |
| 3 | SourceY | Int | Unknown. Appears to always be 0. |
| 3 | SourceWidth | Int | Width of the original device image. |
| 3 | SourceHeight | int | Height of the original device image. |
| 2 | AtmosphereRecord {  TimeStamp,  ID  } |  | Atmospheric information recorded by the device.  ***Timestamp*** is the time that the atmospheric record was recorded.  ***ID*** is the internal identifier for the atmospheric record. |
| 3 | Pressure | - | Unknown. Appears to always be empty. |
| 3 | Temperature | - | Unknown. Appears to always be empty. |
| 3 | PPM | - | Unknown. Appears to always be empty. |
| 3 | ApplyEarthCurvatureCorrection | - | Unknown. Appears to always be false. |
| 3 | ApplyRefractionCorrection | - | Unknown. Appears to always be false. |
| 3 | RefractionCoefficient | 0 | Unknown. Appears to always be 0. |
| 3 | PressureInputMethod | String | Unknown. Appears to always be ReadFromInstrument. |
| 2 | FlightMissionRecord {  TimeStamp,  ID  } | - | ***Timestamp*** is the time the flight mission record was saved.  ***ID*** is the internal identifier for the flight mission record. |
| 3 | Name | String | Name of the flight, which is used to create the JXL filename. |
| 3 | FlightBlock {  endTime,  name,  startTime  } | - |  |
| 4 | FlightPlan {  percentLateralOverlap,  percentForwardOverlap,  height  } | - |  |
| 5 | Node {  latitude,  longitude  } | - |  |
| 4 | StationList | - |  |
| 5 | StationID | Int | ID of each PhotoStationRecord for each image taken on this flight. |
| 1 | Reductions | - | Unknown. Appears to always be empty. |
| 1 | Environment | - |  |
| 2 | DisplaySettings | - | Unknown. Appears to always be empty. |
| 3 | DistanceUnits | String | Unit of measure for distances. Appears to always be Metres. |
| 3 | HeightUnits | String | Unit of measure for heights. Appears to always be Metres. |
| 3 | AngleUnits | String | Unit for angles. Appears to always be DecimalDegrees. |
| 3 | AzimuthFormat | String | Unknown. Appears to always be Azimuth. |
| 3 | LatitudeLongitudeUnits | String | Unit of measure for lat/long. Appears to always be DecimalDegrees. |
| 3 | CoordinateOrder | String | Ordering for co-ordinates. Appears to always be North-East-Elevation. |
| 3 | TemperatureUnits | String | Unit of measure for temperature. Appears to always be Celsius. |
| 3 | PressureUnits | String | Unit of measure for pressure. Appears to always be MiliBar. |
| 3 | GradeUnits | String | Unknown. Appears to always be Percentage. |
| 3 | AreaUnits | String | Unit of measure for areas. Appears to always be SquareMetres. |
| 3 | StationFormat | String | Unknown. Appears to always be 1+000.0. |
| 2 | JobSettings | - |  |
| 3 | NeighbourhoodAdjustment | - | Unknown. |
| 4 | Applied | Bool | Unknown. Appears to always be false. |
| 4 | WeightExponent | 0 | Unknown. Appears to always be 0. |
| 2 | TimeZone | - | Timezone information for the flight. |
| 3 | ZoneName | - | Unknown. Appears to always be empty. |
| 3 | HoursToUTC | Int | Difference in hours from UTC for the flight. |
| 2 | CoordinateSystem | - |  |
| 3 | SystemName | String | Unknown. Appears to always be Default. |
| 3 | ZoneName | String | Unknown. Appears to always be Default. |
| 3 | DatumName | String | Unknown. Appears to always be WGS 1984. |
| 3 | Ellipsoid | - |  |
| 4 | EarthRadius | Int | Radius of the Earth. Appears to always be 6378137. |
| 4 | Flattening | Float | Unknown. Appears to always be 0.00335281067183. |
| 3 | Projection | - |  |
| 4 | Type | String | Unknown. Appears to always be NoProjection. |
| 4 | Scale | 1 | Unknown. Appears to always be 1. |
| 4 | GridOrientation | String | Unknown. Appears to always be IncreasingNorthEast. |
| 4 | SouthAzimuth | Bool | Unknown. Appears to always be false. |
| 4 | ApplySeaLevelCorrection | Bool | Unknown. Appears to always be false. |
| 3 | LocalSite | - |  |
| 4 | Type | String | Unknown. Appears to always be Grid. |
| 4 | ProjectLocationLatitude | - | Unknown. Appears to always be empty. |
| 4 | ProjectLocationLongitude | - | Unknown. Appears to always be empty. |
| 4 | ProjectLocationHeight | - | Unknown. Appears to always be empty. |
| 3 | Datum | - | Information about the GPS location system used. |
| 4 | Type | String | Unknown. Appears to always be ThreeParameter. |
| 4 | GridName | String | Unknown. Appears to always be WGS 1984. |
| 4 | Direction | String | Unknown. Appears to to always be WGS84ToLocal. |
| 4 | TranslationX | 0 | Unknown. Appears to always be 0. |
| 4 | TranslationY | 0 | Unknown. Appears to always be 0. |
| 4 | TranslationZ | 0 | Unknown. Appears to always be 0. |
| 3 | HorizontalAdjustment | - |  |
| 4 | Type | String | Unknown. Appears to always be NoAdjustment. |
| 3 | VerticalAdjustment | - |  |
| 4 | Type | String | Unknown. Appears to always be NoAdjustment. |
| 3 | CombinedScaleFactor | - |  |
| 4 | Location | - |  |
| 5 | Latitude | - | Unknown. Appears to always be empty. |
| 5 | Longitude | - | Unknown. Appears to always be empty. |
| 5 | Height | - | Unknown. Appears to always be empty. |
| 4 | Scale | - | Unknown. Appears to always be empty. |