THERMAL SKY

SAMPLE CAPTURE PACKAGE

# Sample Capture Package. Demonstration capture, not client work.

Capture only. No inspection, diagnosis, finding or recommendation. Client may use all files from delivery. Copyright passes to the client on full payment.

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SITE TYPE

Elementary school, Port Moody, BC

SCOPE FLOWN

Whole roof, top down, radiometric thermal plus RGB, 35 m AGL. Roof area not measured. Flight box about 90,000 sq ft including grounds. Estimate. Not in scope: facades, zoom frames, interior, any interpretation.

CAPTURE DATE

2026-08-26, thermal pass after sunset

CREDENTIALS

Operator: Daniel Sabitoff. Transport Canada Advanced RPAS certificate, ROC-A. Solo pilot in command.

> These files are aerial image data captured on the date stated. They record apparent surface temperature and visible light at the time of capture. They contain no inspection, diagnosis, finding, or recommendation. Interpretation is for a qualified professional engaged by the file owner.

Condensed. Full record with sources and file notes: 05_Acquisition_Record.pdf in the delivery folder. "not recorded" means no source exists for this flight.

| | | |
|---|---|---|
| Site label | Elementary school, Port Moody, BC. Site not named. | operator |
| Roof type | Low-slope, several sections, single storey | operator, RGB frames |
| Footprint | not recorded. Flight box about 107 m by 78 m (about 90,000 sq ft), the area flown, not the roof area. Estimate. | frame GPS extent |

## Flight

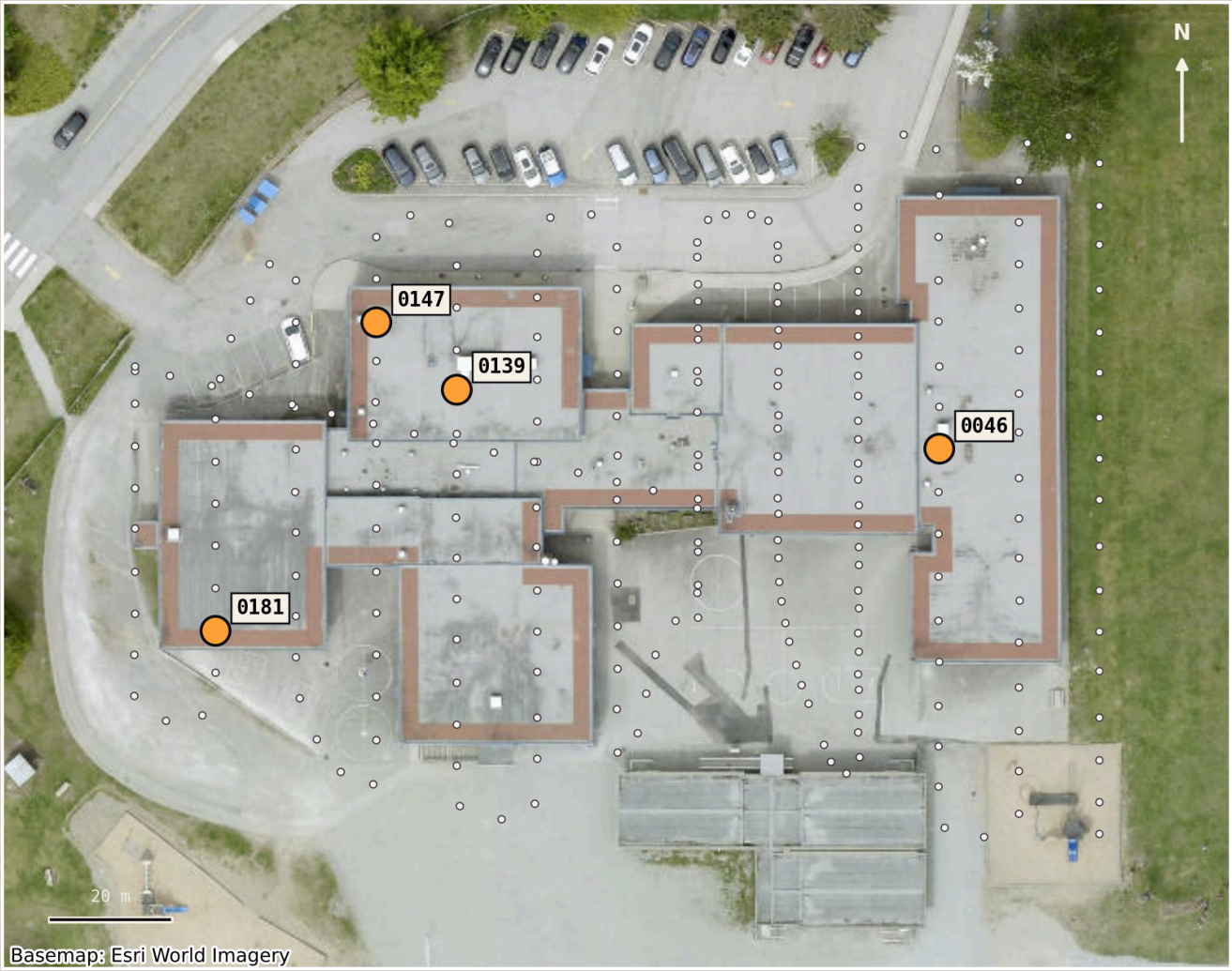
| | | |
|---|---|---|
| Date | 2026-08-26 | EXIF DateTimeOriginal |
| Thermal pass | 21:00:41 to 21:15:31 PDT, 14 min 50 s, 245 frames, 3 to 4 s interval, about 1.3 m/s. Frames 1 to 193 nadir grid, 194 to 207 at 45 degrees, 208 to 245 nadir repeat of two lines. | EXIF |
| RGB pass | 19:08:17 to 19:15:26 PDT, 7 min 9 s, 204 frames, 2 s interval, about 2.2 m/s. Same footprint and altitude, flown in daylight. | EXIF |
| Hours since sunset | Thermal pass started 0.9 h after sunset and ended 1.2 h after. RGB pass 1.0 h before sunset. | computed |
| Sunset | 20:06 PDT for 49.274 N 122.888 W | computed, NOAA solar algorithm (astral) |
| Batteries | Both TB30 pairs used, each to about 20 percent at landing. One pair per mapping pass, plus additional flying not part of the two passes. | operator |
| AGL | 35.0 m both passes (35.02 to 35.09 m) | EXIF RelativeAltitude |
| Geometry | Automated mapping mission, DJI Pilot 2, parallel north-south lines, about 9 to 11 lines over the footprint. Line count estimated from the coverage map. | operator, EXIF |
| Gimbal | -90 (nadir) for the grid, -45 for frames 194 to 207 | EXIF GimbalPitchDegree |
| Airspace | Uncontrolled. Checked in the NAV CANADA NAV Drone Flightmap for the site address, screenshot on file. No authorization required or requested. | operator, NAV Drone |
| Aircraft | DJI Matrice 30T, C-2430059640, body serial 1581F5BKB248100F051, firmware 10.00.89.31 | EXIF, registration |
| Palette | IronRed in the R-JPEG preview as captured. White Hot used for the display exports in the sample PDF. | EXIF, operator |

## Conditions

| | | |
|---|---|---|
| Sky | Clear. Conditions photo at 19:52 PDT shows thin high cloud. | operator, photo |
| Wind | Calm at the site per operator. 4 km/h from 330 at the nearest hourly station, 21:00. | operator; ECCC Pitt Meadows 110617P |
| Air temperature | 15.6 C at 21:00, 16.1 C at 20:00, 16.6 C at 22:00. Relative humidity 84 percent at 21:00. | ECCC Pitt Meadows 110617P, about 16 km ESE |
| Hours since rain | Last measurable rain Aug 23 (2.8 mm; Aug 22 10.6 mm). Aug 24, 25 and 26: 0 mm. At least 72 h dry. Exact hour not resolvable from daily totals. | ECCC station 1106CL2 |

# Coverage overview

Thermal frame positions from the flight (small markers). Frame 0095 has no position. The four numbered frames are listed in 03_Image_Index/index.csv. Positions from frame GPS. Basemap: Esri World Imagery.




CONDITIONS PHOTO

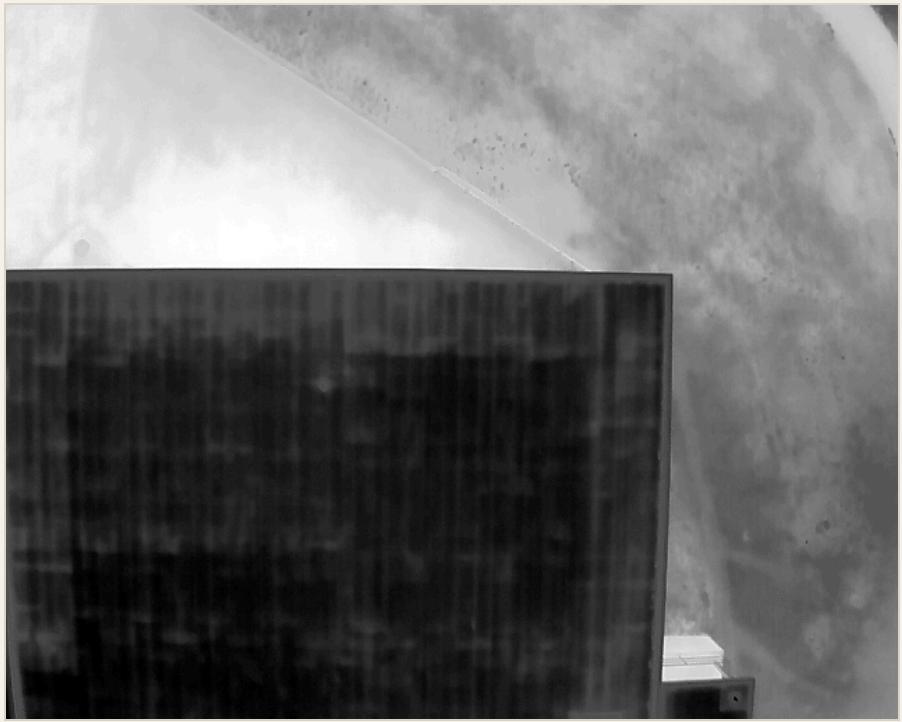
Sky and roof edge from the field, 19:52 PDT, 14 minutes before sunset and 1 h 8 min before the thermal pass. Phone camera, 2048 px export. Landing pad and case in frame.

## West wing, SW corner. Roof field and paved yard. 21:11 PDT

RGB, DAY PASS

DJI_20260826191418_0172_W.JPG
19:14:17 PDT, 35 m AGL, nadir

THERMAL, WHITE HOT



DJI_20260826211114_0181_T.JPG
21:11:14 PDT, 35 m AGL, nadir

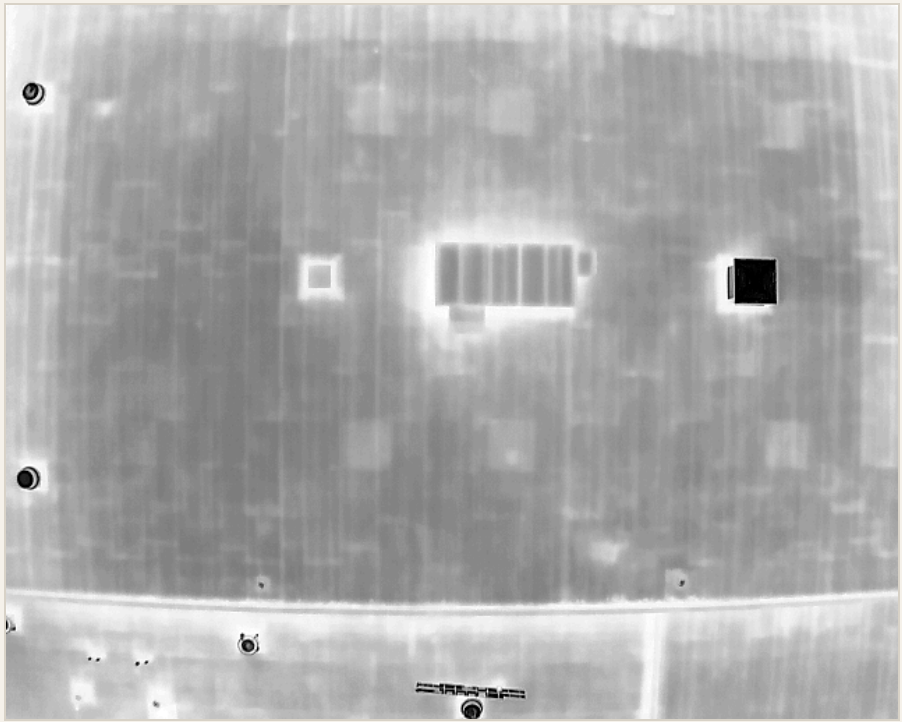
Pairing by position: the RGB frame was taken 0.5 m from the thermal frame position, on the daylight pass, heading reversed. The RGB shown here is a display copy rotated 180 degrees and centre-cropped to approximate the thermal field of view. The thermal shown here is a display export from the R-JPEG. Both originals in the delivery folder are untouched.

## Central section. Rooftop units. 21:08 PDT

RGB, DAY PASS

DJI_20260826191249_0130_W.JPG
19:12:49 PDT, 35 m AGL, nadir

THERMAL, WHITE HOT



DJI_20260826210846_0139_T.JPG
21:08:46 PDT, 35 m AGL, nadir

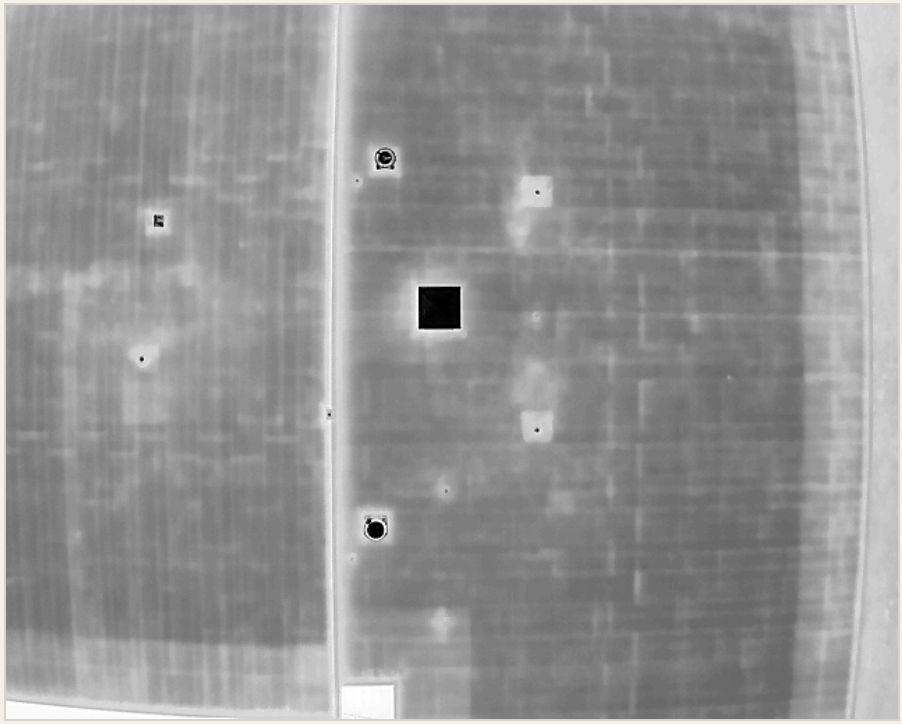
Pairing by position: the RGB frame was taken 0.2 m from the thermal frame position, on the daylight pass, heading reversed. The RGB shown here is a display copy rotated 180 degrees and centre-cropped to approximate the thermal field of view. The thermal shown here is a display export from the R-JPEG. Both originals in the delivery folder are untouched.

## East wing. Section divider and penetrations. 21:03 PDT

RGB, DAY PASS

DJI_20260826190948_0044_W.JPG
19:09:47 PDT, 35 m AGL, nadir

THERMAL, WHITE HOT



DJI_20260826210319_0046_T.JPG
21:03:19 PDT, 35 m AGL, nadir

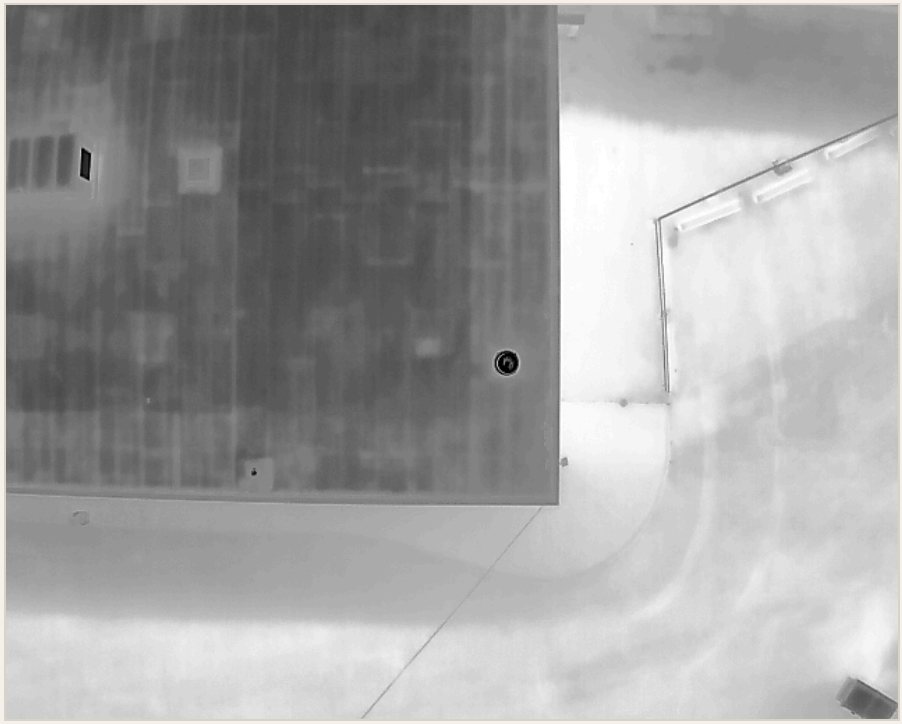
Pairing by position: the RGB frame was taken 1.9 m from the thermal frame position, on the daylight pass, heading reversed. The RGB shown here is a display copy rotated 180 degrees and centre-cropped to approximate the thermal field of view. The thermal shown here is a display export from the R-JPEG. Both originals in the delivery folder are untouched.

## NW section. Parapet corner. 21:09 PDT

RGB, DAY PASS

DJI_20260826191337_0153_W.JPG
19:13:37 PDT, 35 m AGL, nadir

THERMAL, WHITE HOT



DJI_20260826210915_0147_T.JPG
21:09:15 PDT, 35 m AGL, nadir

Pairing by position: the RGB frame was taken 0.5 m from the thermal frame position, on the daylight pass, heading reversed. The RGB shown here is a display copy rotated 180 degrees and centre-cropped to approximate the thermal field of view. The thermal shown here is a display export from the R-JPEG. Both originals in the delivery folder are untouched.

# Delivery folder

```
2026-08-26_DEMO_ElementarySchoolPortMoody/
  05_Acquisition_Record.pdf  (160.0 KB)
  README.txt  (1.4 KB)
  manifest.txt  (1.5 KB)
  01_Thermal_RJPEG/
    DJI_20260826210319_0046_T.JPG  (1.44 MB)
    DJI_20260826210846_0139_T.JPG  (1.56 MB)
    DJI_20260826210915_0147_T.JPG  (1.40 MB)
    DJI_20260826211114_0181_T.JPG  (1.40 MB)
  02_RGB/
    DJI_20260826190948_0044_W.JPG  (4.80 MB)
    DJI_20260826191249_0130_W.JPG  (4.96 MB)
    DJI_20260826191337_0153_W.JPG  (5.41 MB)
    DJI_20260826191418_0172_W.JPG  (5.66 MB)
  03_Image_Index/
    index.csv  (1.5 KB)
  04_Site_Map/
    coverage_overview.png  (1.84 MB)
```

## SHA-256

```
SHA-256 manifest. 2026-08-26_DEMO_ElementarySchoolPortMoody. Demonstration capture, not client work.
b8103a6f9bdfd525e5e6320716b05449dff1ac1a25b41c2ee411dc7c89d9bcb1  01_Thermal_RJPEG/DJI_20260826210319_0046_T.JPG
34e217274ebf53aec491525d31c5dcbe04201a8fa40319645203d8ed4b8e0699  01_Thermal_RJPEG/DJI_20260826210846_0139_T.JPG
5b74fdadf3bb16bb74cf9e5ca781d64ffc75e5098d8c74fa675d61a778f5817a  01_Thermal_RJPEG/DJI_20260826210915_0147_T.JPG
d4b8a058f0356be0108f3aa2f9ccf5974a6be4122e4415136096303986O9adce  01_Thermal_RJPEG/DJI_20260826211114_0181_T.JPG
eeb0df78f8f22a7cd87babfa5f9a970e0d5bd0f762e07ceb33c7bb9d97fa3295  02_RGB/DJI_20260826190948_0044_W.JPG
3b567089ac696506fe8dd3d2a5824fd97e6d995c93c19bc5de58f9d006e5bf52  02_RGB/DJI_20260826191249_0130_W.JPG
c3128b38526f687fcddbd6742e454cbdb225545cd5abb0d93a210abc027b471a  02_RGB/DJI_20260826191337_0153_W.JPG
79fae06acf8fd319ecc5e139912082fa1a5fbfe5ef5a7bb29060cfe060495ea1  02_RGB/DJI_20260826191418_0172_W.JPG
b6fa04e55f00867aa7228413245a1ed46fa3ab9cd7b09de81b624645e425e581  03_Image_Index/index.csv
4ff02129fc5a57a2e31fecd902b79c13d0ed4094990c8e0169103e0ea016ddb5  04_Site_Map/coverage_overview.png
244aaf4b245f5682ac1a6561e759c4dc886337cc5d2da3cdeeb674b7cfef83be  05_Acquisition_Record.pdf
97ce53d7766dd80daf455ad69bccb716611e09dba467f2329f2d3c179d46aea0  README.txt
```

## Scope and ownership

Capture only. No inspection, diagnosis, finding or recommendation. Client may use all files from delivery. Copyright passes to the client on full payment.

This package shows file format and quality only. It is a demonstration capture on a site flown with the owner's permission and is not any client's site or project. A paying delivery contains every frame from the flight; this sample carries four thermal frames and their four RGB partners. Terms of Service v1.0, sections 2.3, 3.8 and 18.4 apply.