

PANORAMAS

KSCCC – JUNE 2, 2023

HOW TO PHOTOGRAPH THE WORLD'S LONGEST COVERED BRIDGE



HARTLAND COVERED BRIDGE – NEW BRUNSWICK – 391 M / 1,282 FEET



18 individual images

PROCESS IMAGES IN

- LIGHTROOM
- ADOBE CAMERA RAW OR PHOTOSHOP
- SERIF AFFINITY PHOTO
- PTGUI
- ETC..



CROP AND REFINE USING SOFTWARE OF YOUR CHOICE



POINT PELEE NATIONAL PARK - ONTARIO



ANNAPURNA MASSIF AT MORNING GOLDEN HOUR – NEPAL

USED TRIPOD & FOCUS RAIL



Shot from Poon Hill – Altitude 3210 m / 10,530 ft

SALAR DE CHIGUANA – BOLIVIA

HAND-HELD

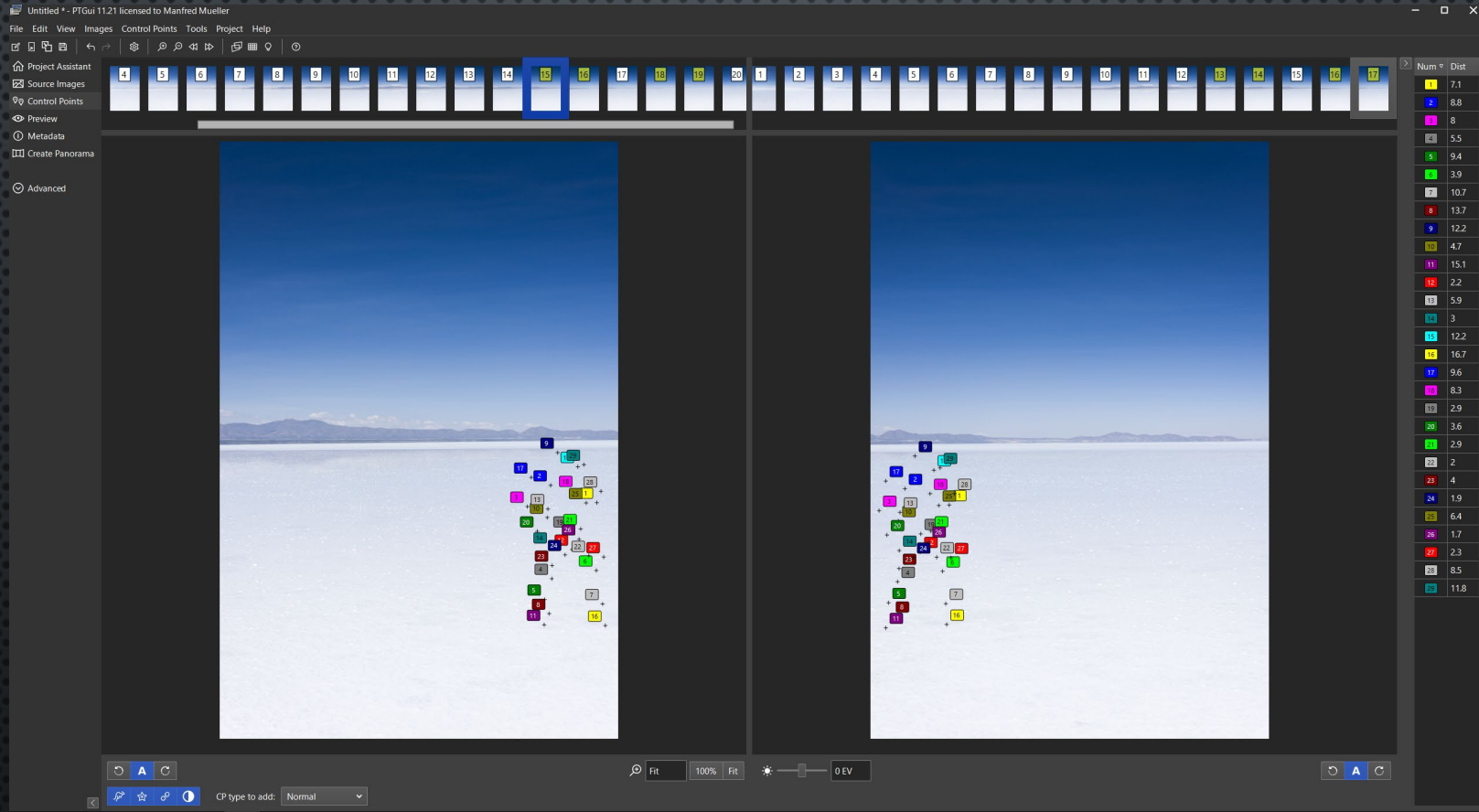


3650 m / 11,975 ft

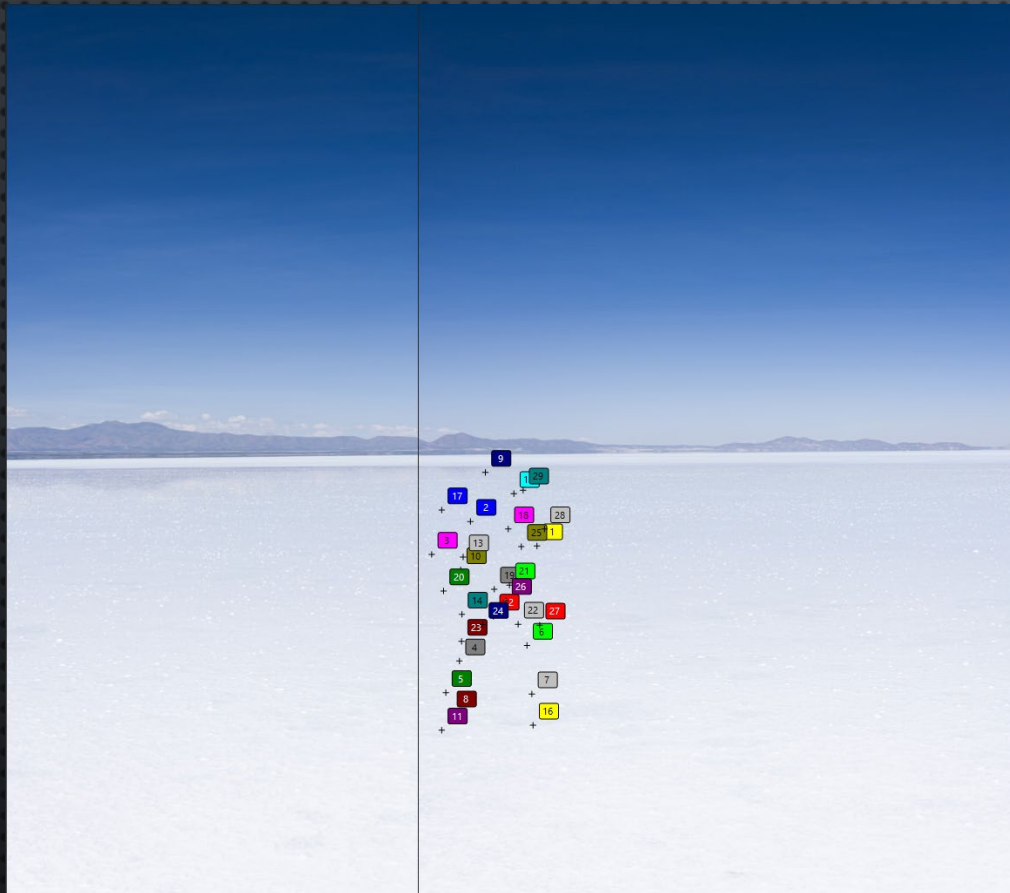
TECHNIQUE

- TURN OFF AUTOFOCUS AFTER SETTING FOCUS
- SET EXPOSURE MANUALLY
- SHOOT SERIES OF IMAGES WITH AT LEAST 20% OVERLAP ON EACH SIDE OF THE FRAME
 - USE CAMERA IN VERTICAL / PORTRAIT ORIENTATION
 - ROTATE CAMERA AROUND THE NO-PARALLAX POINT
 - GENERALLY USE LONGER FOCAL LENGTHS
- SOME CAMERAS HAVE BUILT IN PANORAMA FUNCTIONALITY

HOW STITCHING SOFTWARE WORKS



HOW SOFTWARE STITCHES



- Aligns the matching control points to determine how to stitch the complete set of frames

HOW SOFTWARE STITCHES (AND FAILS)



FAIL - WARPED



UYUNI SALT FLATS - BOLIVIA



10,000 sq km / 3,900 sq mi – Altitude 3663 m / 12,018 ft

THINGS TO WATCH FOR

- MIGHT NOT WORK WELL ON A WINDY DAY
- CHALLENGING IF THE LIGHT LEVELS CHANGE SIGNIFICANTLY FROM SIDE TO SIDE
- CANNOT USE POLARIZING FILTER
 - CREATES “BANDING”

RIDEAU CANAL - OTTAWA



DEMO EQUIPMENT AND TECHNIQUES

- HANDHELD TECHNIQUE
- TRIPOD MOUNTED
 - L-BRACKET + FOCUS RAIL
 - PANO HEAD (MULTI-ROW PANOS)
- CREATING A PANO WITH PTGUI