

HIGH DYNAMIC RANGE (HDR) WEATHER PHOTOGRAPHY

PROF. ROLAND STULL , UNIV. OF BRITISH COLUMBIA
2015



METHOD

1. TAKE UNDER-, NORMAL, AND OVER-EXPOSED PHOTOS OF SAME SCENE.
2. COMBINE BEST PARTS OF EACH INTO A RAW HDR PHOTO.
3. ENHANCE RESULT (BECAUSE RAW HDR PHOTOS LOOK FLAT).



RESULT

COMPARE NORMAL PHOTO WITH ENHANCED HDR



MORE EXAMPLES

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MORE EXAMPLES

COMPARE NORMAL PHOTO WITH ENHANCED HDR



HDR GALLERY

WAVE CLOUD JUST ABOVE ROOFTOP



HDR GALLERY

CIRROCUMULUS / ALTOCUMULUS



HDR GALLERY

CUMULUS AND ANEMOMETERS



HDR GALLERY

CAMPBELL-STOKES SUNSHINE RECORDER



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METHOD:

- ALL OF THESE PHOTOS WERE TAKEN WITH AN APPLE IPAD MINI.
- I USED THE "TOP CAMERA" APP FOR ALL THE FOLLOWING:
- CAMERA MODE WAS SET TO HDR. WITH ONE CLICK OF THE SHUTTER BUTTON, IT AUTOMATICALLY TAKES MULTIPLE SHOTS WITH DIFFERENT EXPOSURES, AND COMBINES THEM INTO AN HDR PHOTO.
- THE RESULTING PHOTO WAS EDITED USING:
 1. FX - CLARIFY (SAVE)
 2. ADJUST - IMPROVE 1/3 (SAVE)

