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



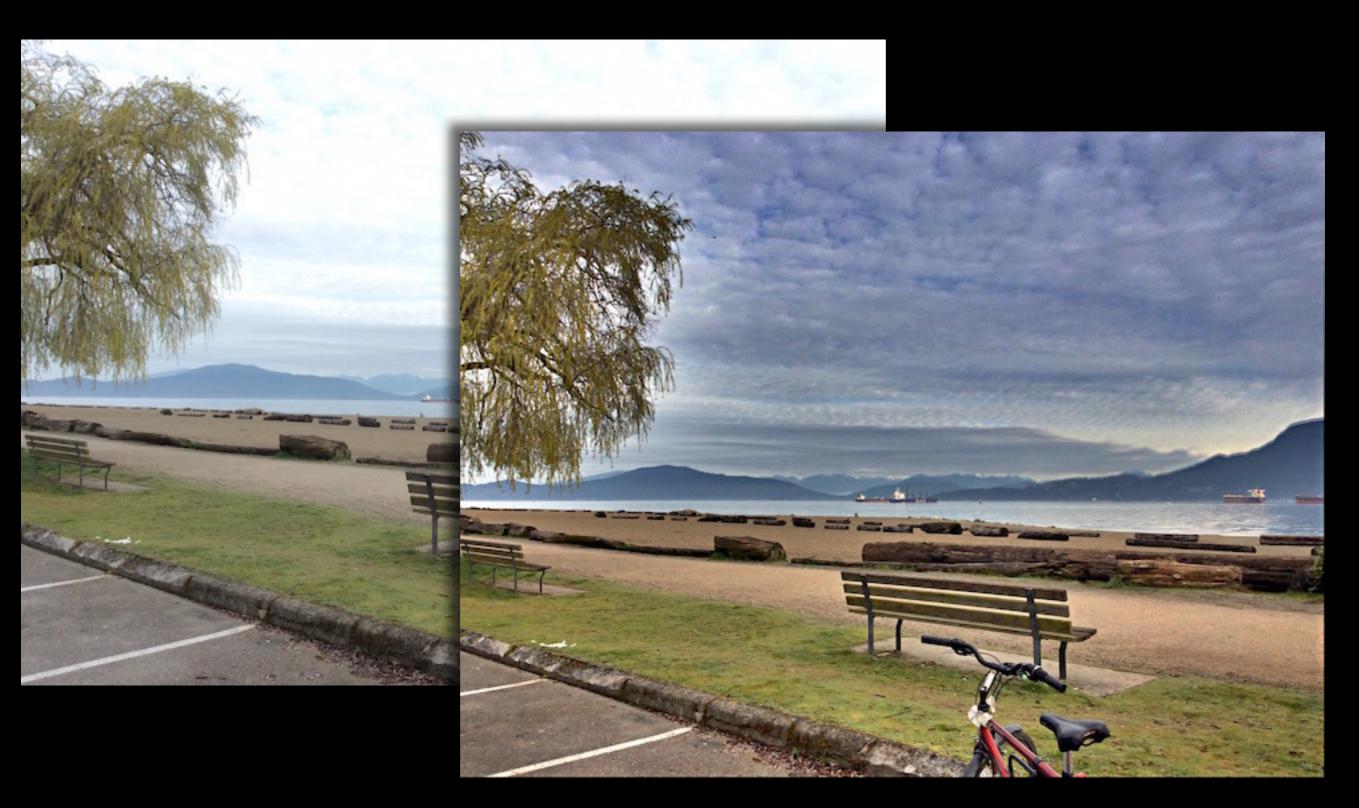












WAVE CLOUD JUST ABOVE ROOFTOP



CIRROCUMULUS / ALTOCUMULUS



CUMULUS AND ANEMOMETERS



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)



