

AP Checklist

SECTION A – PREFLIGHT

1. Full charge on camera batteries – primary & backup
2. Camera body and lens barrel clean and free of dirt, oil
3. Lens optics clean – *carefully* clean if needed
4. Previous sortie images transferred to PC
5. Format camera memory card, even if empty

6. ISO to [1000]
7. Shooting mode to [S] – Shutter Priority
8. Shutter speed to [1000] – 1/1000 of a second
9. Shutter mode to [S] – single frame
10. Autofocus [ON] – lens & camera
11. Vibration reduction [ON] – lens & camera

12. Attach GPS sensor [Nikon GP-1] or sensor/logger [Solmeta Pro/Pro2/GMAX]
13. Turn camera & GPS unit ON, go outside, wait approx. 2 minutes, create 1-3 sample images
14. Review images and ensure GPS data [LAT/LON/GPS time] was recorded
15. If using Solmeta sensor, verify camera direction [compass] was recorded
16. If more than 10 minutes to departure, turn camera OFF

SECTION B – AFTER ENGINE START

1. After engine start, request MO/MP to display GPS time on instrument panel
2. Set camera clock to match aircraft GPS time – *to the second!*
NOTE: Time displayed on cellular phones is NOT same as GPS time and should NOT be used!
3. Take photograph of instrument panel GPS time display for verification later
4. Leave camera ON if first target not more than 10 minutes away, otherwise turn OFF

SECTION C – PRIOR TO EACH TARGET

1. Slate images for each target by photographing index card with target name
Can also use page in notebook, photo of hand showing 1, 2, 3... fingers, or photo of floor
2. Verify GPS sensor operational, and LAT/LON/GPS time still being recorded

SECTION D – AT EACH TARGET

1. Have MP approach target with correct offset to allow proper imaging
2. Request flight/course corrections as needed – *AP is in charge on target run*
3. Capture images from desired directions [cardinal points, customer specific, etc.]
4. Review images before departing target area – *reshoot if needed*
5. Return to step C.1 and slate next target

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SECTION E – POST SORTIE

1. Remove equipment from aircraft
2. Copy images to PC
3. Geotag & label images as required by customer
4. Deliver images to customer
5. Format camera memory card
6. Participate in sortie debrief
7. Prepare for next sortie or continue to next section at day end

SECTION F – END OF MISSION DAY

1. Remove equipment from aircraft – *verify nothing is left inside*
2. Place battery on charger
3. Clean equipment
4. Store equipment carefully in case
5. Return equipment to secure storage

=== END OF CHECKLIST ===