

Here is the setup for All CAP cameras (D90/D200/D5600/D7100/D7200) when conducting CAP Aerial Photography as of 2019-05-12:

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Exposure Mode: Shutter Priority Auto  
Release Mode: Single Frame  
Shutter Speed: 1/1000  
Exposure Metering: Matrix  
Image Quality: JPEG Fine  
Image Size: Large  
JPEG Compression: Optimal Quality  
White Balance: Auto  
ISO Sensitivity: 100 – 400 (200 is D90s lowest ISO)  
(The lower the better however no higher than 400 ISO)  
**≡ ONLY the Customer can countermand ISO Sensitivity settings 400 ≥ 800 ≡**  
Auto IOS: No/Off  
Autofocus: AF-S (Single-servo AF)  
AF-Area Mode: Single-point AF (use the very center focus point)  
AF-S Priority Selection: Release  
File Number Sequence: On  
File Number Sequence: Reset

Check under Shooting Menu  
Storage Folder: 100  
File naming: DSC  
Role played by card in Slot 2: Overflow  
Image Comment: Blank/ Absolutely Nothing  
Copyright Information: Blank/Absolutely Nothing

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Before climbing into the aircraft:

Conduct practice photography to ensure GPS is working and the GPS metadata is being recorded on each exposure. Use this time to determine an ISO starting point for that day's sortie being conducted. Start out at 400 and see if a lower ISO will work, if so use it.

After takeoff and while in route to assigned target area:

Continue to take more practice photography with maximum zoom of dark subjects to determine lowest working ISO where the aperture is not wide open and the exposure is needing more light to obtain proper exposure. Again, start out at 400 and see if a lower ISO will work.

After taking practice photography and before starting assigned sortie photography:

Format both SDXC cards and reset File Number Sequence.

Remember, while on AP sortie location or "In Grid" **you are "The MISSION COMMANDER"**

Regards,  
Jan Wagner LtCol CAP