NIGHT BEFORE FLIGHT   **REVISED-2017-03-19**

-Battery charging
- -Smartphone
- -RC control
- -Mavic Batteries
-Firmware, Software updates
-Remove, clean and inspect props
- – re-install on opposite motor
-Verify springs and motor screws
-Data card inserted – adequate room on the card
-verify air intake is clear
-verify air exhausts are clear
- -rear
- -belly ahead of lenses
-Clean lenses, install gimbal lock and cover
-Wi-Fi/RC switch : RC
-Pack bag
- -drone and batteries
- -spare props
- -automobile charger
- -card reader (optional)
- -documentation (FAA registration if travelling to US)
- -Sectional and/or VTA maps
-Survey the operations are on Google Maps/Earth
-Is the operation area in class C airspace? (SkyVector.com)
-Is the operation area close to an aerodrome of any kind?
-Is RTH set correctly (91 m)?
-Max altitude (Canada) – 91 m
-Max distance fence on? Max distance radius?
-Is Obstacle Avoidance *OFF* for RTH? (This is my preferred setting)
-Video settings (.mk4, 7.2K 24/30, VStyle Art or None …)

PREFLIGHT

CONTROLS
-Check RC battery level is sufficient for flight
-Check phone charge and set to Do Not Disturb mode, Wi-Fi and Bluetooth off.
-Install phone into RC
-Unfold Antennas and set initial orientation
-Check flight mode switch set to P-Mode

OPERATIONS AREA
-No danger or nuisance to public
-No obstacles in a reasonable radius

-No overhead obstacles (think of RTH too)
-Wires, high fencing, netting, towers?
-Cell towers?
-High tension power lines?
-Alternate landing location(s)
-landing pad

AIRCRAFT
-Power on tracker (if installed)
-Ensure aircraft battery level is sufficient for flight
-Ensure battery is positively latched in place
-Unfold arms
-Verify SD card in place
-Verify Wi-Fi switch set to RC
-Verify access covers closed
-Remove gimbal cover
-Remove gimbal clamp
-Check gimbal vibration mounting board is in place under the three drop-hooks
-Check gimbal for obstructions
-Clean camera lens if required
-Mount ND filters if used
-Unfold propellers
-Power on controller
        -Confirm battery level is at least 30% for a single flight
-Launch DJI GO App
-Power on aircraft – do not power up props
-Check/Set Failsafe Height
-Check SD Card status
-Wait for 'Ready to Go (GPS)' in app
-Verify location in app
-Check for tracker cellular (if installed)
-Start motors
-Touch screen to focus – in AF – set MF
-Set exposure
-Start Video recording

Takeoff plan
        -straight up to 10 metres and hold 5 seconds (for automatic landing prep)
        -reset focus and exposure
        -start video recording (because you forgot to above)

After Flight – Aircraft
-Power off aircraft
-Remove and power off tracker

-Reinstall gimbal clamp
-Reinstall gimbal cover