**IR Fire Mission Quick Reference Guide**

**Pre-flight Operations:**

1. Fill LN2 (liquid nitrogen ~2 cups) into container in scanner box.
2. Remove plane’s chocks from front of wheels.
3. Securely close main cabin door.
4. Ensure pin has been removed form emergency door (jet), or unlocked (King).
5. Fill out Mission Log with info on technicians, pilots, missions and flight details.
6. Start and ensure Phoenix software is operational and able to scan fires.

**Starting Flight Operations:**

1. Record wheels up time in Mission Log.
2. Set the 1st mission for this flight.
3. At 10,000’ AGL Tweet estimated arrival time for the fire.

**Scanning a Fire:** (Refer to the Steps Guide fordetailed instructions)

1. Ensure scanner door is open 5 to 10 miles prior to edge of scan box.
2. Set up system for scan run.
3. 2 miles before box edge start recording and notify pilots.
4. After the last run is completed finalize the mission box (Blue antenna icon).
5. Close scanner doors.
6. Ensure all necessary files are transferred to the IR interpreter.
7. In NIOPS website mark the mission complete or UTF as appropriate.
8. Set next mission and tweet estimated arrival time. (Repeat steps as necessary).

**Landing Flight Operations:**

1. Tweet the RON location and estimated arrival time.
2. Shutdown computer and turn off dc power.
3. Record wheels down time in Mission Log.
4. Turn off motor power and tell pilots “done with tech power”.
5. Ensure wheels are chocked.
6. Apply covers and pillows to engines and ensure plane is prepared for storage.