

## Data System Requirements

Campaign:

Aircraft:

Instrument Name:

PI or point of contact:

Please check if yes:

- 1. Will your instrument connect to the aircraft data system?
  - a. How many devices will connect?
  - b. How many static IP addresses do you require?
  - c. How many physical Ethernet drops do you require?
  - d. Do you require a GPS connection?
  - e. What timing solution will you use? NTP or IRIG-B?
- 2. Will you ingest aircraft position and meteorology data (IWG1)?
  - a. The default frequency is 1Hz, do you require a higher frequency?
- 3. Do you require a status packet from another instrument team in real-time?
  - a. Is this instrument also onboard the aircraft?
  - b. Do you require status packets from the ground?
- 4. Will you generate a status packet or other real-time data stream?
  - a. What is the format, approximate size, and frequency of the packet?

b. Will the packet need to be displayed on the onboard data system (aircraft only)?

- c. Will the packed need to be accessible on MTS (ground only)?
- d. Will the packet need to be accessible anywhere else on the ground (remote server)?



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- 5. Will you need to share any "quicklook" products?
  - a. What is the format, approximate size, and frequency of the files?

b. Will the files need to be displayed on the onboard data system (aircraft only)?

- c. Will the files need to be displayed on MTS (ground side only)?
- d. Will the files need to be accessible anywhere else (remote server)?
- 6. Will you require files sent up from the ground (satellite imagery)?
  - a. What is the format, approximate size, and frequency of the files?
- 7. Do you require remote access to your instrument from the ground during flight for remote troubleshooting or operation?
- 8. Do you require any additional screens for the onboard web display?a. Do you prefer a touchscreen or a tablet, check applicable:

Touchscreen

Tablet

\*Ensure that your rack tip-over sheet reflects the addition of a tablet or touchscreen Additional requests or details?