

Presented by

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HAIC/HIWC Science Team Meeting – 11/03/2015

HAIC/HIWC International Field Campaign – Daily Operation

HAIC/HIWC Science Team Meeting

Introduction

- Preliminary proposal for daily schedule based on experience gained during Darwin 2014 Campaign
- Approach is still to be refined according to logistics constraints
 - ▶ Meeting rooms
 - ▶ 3 A/Cs not colocated (civil part and military part of the airport)
 - ▶

HAIC/HIWC Science Team Meeting

Daily Operation

| Day -1 | | | | | | | |
|--|---|----|---------------------------------|----|------------------------------|-----|---------------------------|
| Baseline | FOG | EG | FG | NG | GFGG | SOG | ASG |
| 16:00 – 16:30 | Weather briefing & Preliminary GO/NO-GO decision / Open meeting / Airport conference room | | | | | | |
| Day 0 / T0 (Take-off) = 5:30am, T1 (landing) = 09:00am | | | | | | | |
| Baseline | FOG | EG | FG | NG | GFGG | SOG | ASG |
| 01:00 – 02:00 | | | Forecast/Nowcast | | | | |
| 02:00 – 02:30 | Pre-flight Weather Briefing / Open meeting / Airport conference room: | | | | | | |
| 02:30 – 03:00 | FOG Meeting (private) & Preliminary GO / NO-GO | | | | | | |
| 02:45 / 03:15 | Wake-up pilot and flight crew (03:15) | | | | Wake-up GFGG (03:15) | | Wake-up mechanics (02:45) |
| 04:00 – 04:30 | Pilot Briefing / Private meeting / A/C base: Final GO / NO-GO & Flight plan submission | | | | | | A/C preparation |
| 04:00 – 05:30 | A/C prep & check list | | Go to Control room & monitoring | | Go to Ctrl room & monitoring | | |
| 04:45 | Crew Briefing & Flight crew onboard aircraft – start APU, preflight takeoff checks | | | | | | |
| T0 / 05:30 | A/C Departure / Team Briefing at Airport Conf room | | | | | | |

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Daily Operation

| Day 0 / T0 (Take-off) = 5:30am, T1 (landing) = 09:00am | | | | | | | |
|--|---|-----------|------------------|----|-----------|--------------------|----------------------|
| Baseline | FOG | EG | FG | NG | GFGG | SOG | ASG |
| T1 / 09:00am | A/C Arrival | | | | | | |
| T1 +1hr / 10:00 – 11:30 | Flight Debriefing / Open meeting / Airport conference room | | | | | | |
| 11:30 – 13:30 | Rest Time | | | | | | |
| 13:30 – 16:00 | Rest time | Rest time | Forecast/Nowcast | | Rest time | Processing of data | A/C and Inst. maint. |
| 16:00 – 16:30 | Weather briefing & Preliminary GO/NO-GO decision / Open meeting / Airport conference room | | | | | | |
| Day +1 | | | | | | | |
| Baseline | FOG | EG | FG | NG | GFGG | SOG | ASG |
| Same schedule than Day 0 | | | | | | | |

In case of a 2nd flight in the afternoon, DG/NG and GFGG to monitor conditions for a TO around 2pm (afternoon peak of activity : 14:00 – 17:00). In this case, Flight debriefing should be postponed to the day after.

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Conclusion

- A preliminary daily operation schedule has been proposed.
- Still to be refined according to comments, logistics constraints,...

High Altitude Ice Crystals (HAIC, 314314)

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