

2015-04-28 TCI Telecon Minutes

Participants: Mark B., Jim Doyle, Jon Moskaitis, Will Komaromi, Greg Tripoli, Pat Harr, Bob C., John Molinari, Will Lewis., Michael Bell, Eric Hendricks, Natalie Laudier, Jason Dunion, Joel F., Dan Cecil, Pete Black, + others.

Project Timeline:

HDSS test flight June 10.

Late June / early July: analyze the dropsonde / flight data to see if any last minute changes or fixes need to be made before TCI shake-down flight in July.

TCI dry run July 15-22, schedule first flight. Ideally we would have a real target for the end of the dry run period, but we'll fly anyway even if we don't.

Late Jul / early Aug: virtual ops center in Monterey with perhaps a few visitors for a short period of time

Ops center then switches to NASA Wallops Aug 23/24, want to have fully-staffed operations for flight planning and real-time assistance. Will also overlap with SHOUT. TCI scientists/forecasts may assist with SHOUT if things are quiet, but want to be careful not to overbook themselves. Regular forecast meetings beginning mid-Jul, products uploaded to field catalogue and MTS HIRAP integrating ~July 6, should take a day or two.

TCI daily timeline (updated based upon telecon):

0800 EDT: TCI Flight Planning Meeting

Would like to have something on field catalogue updated as necessary notifying everyone whether or not this will occur

Decision to forward-deploy typically made here

- Science Director will decide if the 0800 Flight planning meeting is required (during non-IOP)
- Discuss potential targets
- Discuss deployment logistics (aircraft & personnel)
- TC nowcast and forecast brief
- Flight Planning (MTS Plan) – *flight plan decision made 36h ahead of time*
- Aircraft flight decision: GO/ NO-GO/ DELAY – *decision made 3-days ahead of time*
- Discuss target: IFEX/SHOUT coordination
- Begin future brainstorming WB-57 flight patterns

0930 EDT: Submit POD to CARCAH

- Revise flight plan way points and “tomorrows plan” in POD

0930 EDT: Aircraft OPS Center, Flight plan review with Aircraft operators

- Transmit to flight crew
- Revise Sonde location and times, transmit to flight crew

1000 EDT: Coordination call with NOAA IFEX & SHOUT

Likely only single TCI person on call, generally TCI science director

- Highlight interest in TC
- Discuss IFEX & SHOUT interests & targets with a small group
- SHOUT plans for Global Hawk in 48h ahead of time, actual flight path 24h ahead of time, final go/no-go morning early of flight*
- Some of this discussed at previous afternoons meeting*
- Ideally we might want to coordinate our first WB-57 flight on second day of GH (or first day TC is within our range)*
- NOAA HRD telecon line (866-700-1361; 491147)
- Send out an informal plan of the day: who is the science director / science team, status of the aircraft, decision to fly. Perhaps on front page of catalogue?*

T0-3.5hours: Flight Plan Brief to flight crew

T0: Launch Aircraft

Actual takeoff will vary based upon location and status of target. GH takeoff 11/12 UTC, want to coordinate. GH on station at least 12h, WB-57 typically only on station ~2h.

1200 EDT: NOAA HRD weather discussion (~20 min)

Recommended people join in if we don't have 0800 meeting

- Highlight TC
- NO WEEKEND BRIEFINGS

1500 EDT: TCI Weather and Science discussion

Plan to push back to 1530 for ECMWF data

When active, weather discussion targeted on TCI objectives, summary of mission objectives, flight status, flight hrs left

- Science Director will decide if the 0800 Flight planning meeting is required next day (during non-IOP)
- Emphasis on TC when in IOP
- Summary of ongoing and planned TCI operations and data collection
- Proposed mission objectives for the upcoming or next phase of IOP
- Facility status and flight hours

Decision to proceed with or cancel forward deployment made here

T0+6 hours: Recover Aircraft

-Flight Debrief

Debrief most likely not on telecom

Action Item Discussion:

We are currently working with EOL for ReadyTalk for full desktop-sharing capabilities (showing graphics, etc).

Jim D will send Doodle polls for (1) availability for virtual period, (2) availability during Wallops period, (3) interest in flight ops at Ellington. If planning to go to Ellington / Wallops get your name to Natalie / Jason respectively asap.

Mission planning software PATS training 5/29. Training on MTS software ~late June, TCI needs training earlier than SHOUT so will likely do 2 separate training sessions

We have 10 people on forecast team. Derrick will be at Wallops for a couple weeks, most forecasters will stay at their home institutions. Need to finalize forecasting and mission scientist roles asap so we can determine if anyone has time for other roles and/or helping out with SHOUT.

Need section in ops plan with all models, what will be available and at what times

Need flight request for season (main TCI operations) after the June test flight, second request for new fiscal year beginning Oct

Naming convention for systems: TCI#. Possibility to have satellite map with circles and name associated with waves we are following?

OPS Plan – science objectives, climo, collaboration, aircraft ops, and data management dates and statues still TBD.

Plan to coordinate NASA test flight plan for June with NASA

Need to make decision as far as using Bob's software vs HRD flight track software. Jason and Bob need to get together on this to make a recommendation, Bob has not seen the HRD software.