

2nd IBTrACS Workshop

11-13 APRIL 2011

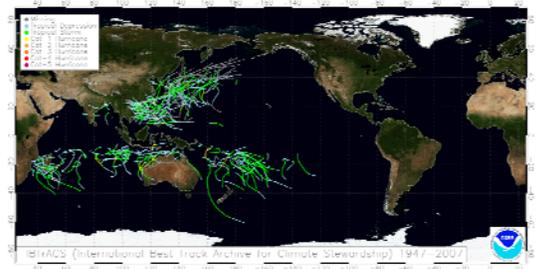
BEST TRACK NEEDS OF OPERATIONS AND USES FOR CLIMATE APPLICATIONS

HAWAII
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- *Overview IBTrACS v3r01*
- *Document operational procedures*
- *Engage user needs*
- *Prepare for a global reanalysis*

Purpose

To continue the momentum of international collaboration by bringing together representatives from IBTrACS data providers, IBTrACS users and other TC researchers. In addition, the workshop aims to address unresolved issues regarding construction, archive and use of best track data.



Storms unique to IBTrACS

Workshop Structure

Discussion of all questions will be open to the group. Each question will be introduced by the IBTrACS team; an invited response will then help spark discussion followed by an open interaction incorporating the entire group.

Workshop Questions

IBTrACS – Update data providers and users on recent activities and direction for the future of IBTrACS.

Operational procedures –

- Are there changes in the operating procedures in the last two years that have affected your best track record?
- Looking forward, is the TC community building a consistent, homogeneous, well-documented best-track record useful for improving forecasts and climate analyses?
- How has the loss of QuikSCAT data affected the best track wind estimates for areas with no reconnaissance?

Best track data continuity

- What is a suitable starting year for climate analysis in each basin? ... for analyzing frequency? ...for analyzing intensity?
- In order to provide a record suitable for climate analysis, how can we ensure continuity across boundaries and between agencies? How can we minimize BT discrepancies in space historically?
- How can CI and/or T-num be archived as a temporally and spatially homogeneous record across the satellite era for all basins?
- How can we ensure data homogeneity across time to minimize the impacts of technological advances?

User needs –

- In what ways are best track data, and IBTrACS, being used?
- Are there limitations with the IBTrACS dataset? If so, what could help resolve them?
- What TC parameters do users need that are not already provided by IBTrACS or RSMCs?
- Of the IBTrACS formats, what format could most easily cease to exist?
- What data do you use in conjunction with IBTrACS to do your work?

BT parameters –

- Based on the WMO best track format parameters, which parameter could be most easily added to the BT record from your agency? What would it take to get that parameter into the record?
- Why can't the WMO data quality flags be indicated for the variables already included by each agency?

Global reanalysis –

- Would rerunning the ADT globally for the satellite period of record help with reanalysis?
- How could the TC community start the process of a global reanalysis?
- Based on the last workshop, how can we get buy-in for NCDC to champion this effort?
- How are RSMC reanalysis projects discussed at the last meeting progressing?
- Are there overlaps/synergies that can be exploited?