

Plots with Known Problems

Legend for indicating problem flights in the individual storm pages

Directions: In the list of flights used in the data file, color the flight name according to whether it is a good or bad flight. Use green to indicate all normal flights with good data.

Example of a good flight:

20121024U2.1sec.txt

Example of a flight that has incorrect ferry leg masking (leave the filename in green as we believe it is still a good flight):

20121025H1_AXC.nc - incorrect ferry leg masking

Black can also be used to indicate other minor problems or notations (this example is from Ernesto):

20120803U2.1sec.txt - odd flight pattern

20120804U1.1sec.txt - problem with Earth-relative plot: flight appears to be over land, but it was actually over water

Example of an aborted flight:

20121025U2.1sec.txt - flight aborted

Example of a synoptic surveillance flight:

20120826N2_AXC.nc - synoptic surveillance flight

Example of a ferry flight:

20121029U1.1sec.txt – ferry flight

Example of a poststorm air-sea flight:

20120830H1_DXC.nc - poststorm air-sea flight

Example of a flight that has an unrealistically high wind speed value (use normal red):

20121016H1_AC.nc - max FL wind speed 227 m s⁻¹

Example of a flight that should definitely be removed from the dataset (either is a duplicate or obviously doesn't belong to this storm – use bold red):

20120827N1.1sec.txt - this is a duplicate of 20120827H2

Legend for indicating problem flights in the main summary table

Directions: Write a short summary in the 'Notes' column of the main summary table to indicate how many flights had each type of problem (don't include this if everything is okay). Replace '#' with the actual # of flights affected by each type of problem.

Examples:

data files currently include # aborted flights

data files currently include # ferry flights

data files currently include # synoptic surveillance flights

data files currently include # post-storm air-sea flight

flights had incorrect ferry leg masking

Plots with Known Problems

Incorrect ferry leg masking

plot_flight_track_with_flight_level_wind_speed_ernesto_2012_single_flight_4_20120803U1.png

plot_flight_track_with_flight_level_wind_speed_helene_2000_single_flight_0_20000919I1.png

[plot_flight_track_with_flight_level_wind_speed_leslie_2000_single_flight_0_20001005H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_rina_2011_single_flight_2_20111025H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_maria_2011_single_flight_3_20110910U2.png](#)
[plot_flight_track_with_flight_level_wind_speed_irene_2011_single_flight_26_20110827U1.png](#)
[plot_flight_track_with_flight_level_wind_speed_karl_2010_single_flight_7_20100916H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_otto_2010_single_flight_0_20101006U1.png](#)
[plot_flight_track_with_flight_level_wind_speed_earl_2010_single_flight_21_20100903H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_earl_2010_single_flight_14_20100901I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_colin_2010_single_flight_0_20100804U1.png](#)
[plot_flight_track_with_flight_level_wind_speed_td02_2010_single_flight_0_20100706H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_bill_2009_single_flight_0_20090818I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_bill_2009_single_flight_5_20090820I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_paloma_2008_single_flight_2_20081107I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_kyle_2008_single_flight_3_20080924H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_kyle_2008_single_flight_16_20081107I1.png](#) (do not think this system is related to Kyle)
[plot_flight_track_with_flight_level_wind_speed_ike_2008_single_flight_1_20080906H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_ike_2008_single_flight_5_20080907H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_hanna_2008_single_flight_7_20080905U2.png](#)
[plot_flight_track_with_flight_level_wind_speed_gustav_2008_single_flight_8_20080829H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_gustav_2008_single_flight_10_20080829U2.png](#)
[plot_flight_track_with_flight_level_wind_speed_gustav_2008_single_flight_12_20080830I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_gustav_2008_single_flight_20_20080901I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_dolly_2008_single_flight_0_20080720H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_dolly_2008_single_flight_3_20080721H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_dolly_2008_single_flight_4_20080721I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_dolly_2008_single_flight_6_20080722H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_dolly_2008_single_flight_7_20080722H2.png](#)
[plot_flight_track_with_flight_level_wind_speed_noel_2007_single_flight_11_20071102I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_felix_2007_single_flight_9_20070903I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_cindy_2005_single_flight_4_20050705U2CINDY.png](#)
[plot_flight_track_with_flight_level_wind_speed_td10_2005_single_flight_0_20050818U1TD10.png](#)
[plot_flight_track_with_flight_level_wind_speed_jeanne_2004_single_flight_23_20040925H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_fabian_2003_single_flight_9_20030904H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_fabian_2003_single_flight_10_20030904I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_isidore_2002_single_flight_15_20020921H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_isidore_2002_single_flight_18_20020922H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_isidore_2002_single_flight_19_20020922I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_isidore_2002_single_flight_26_20020925H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_dennis_2005_single_flight_16_20050710H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_dennis_2005_single_flight_20_20050710U3DENNIS.png](#)

[plot_flight_track_with_flight_level_wind_speed_ernesto_2006_single_flight_17_20060831U3.png](#)
[plot_flight_track_with_flight_level_wind_speed_rita_2005_single_flight_2_20050919I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_rita_2005_single_flight_15_20050923H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_ivan_2004_single_flight_14_20040912H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_ivan_2004_single_flight_32_20040915u5.png](#)
[plot_flight_track_with_flight_level_wind_speed_lili_2002_single_flight_9_20020928U2.png](#)
[plot_flight_track_with_flight_level_wind_speed_lili_2002_single_flight_14_20020930I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_lili_2002_single_flight_19_20021002H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_lili_2002_single_flight_23_20021003I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_bonnie_1998_single_flight_13_19980823U2.png](#)
[plot_flight_track_with_flight_level_wind_speed_bonnie_1998_single_flight_25_19980826U3.png](#)
[plot_flight_track_with_flight_level_wind_speed_bonnie_1998_single_flight_30_19980828U2.png](#)
[plot_flight_track_with_flight_level_wind_speed_bret_1999_single_flight_5_19990821H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_dennis_1999_single_flight_10_19990827I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_dennis_1999_single_flight_14_19990828H1.png](#)
[plot_flight_track_with_flight_level_wind_speed_floyd_1999_single_flight_12_19990913I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_irene_1999_single_flight_4_19991015I1.png](#)
[plot_flight_track_with_flight_level_wind_speed_lenny_1999_single_flight_12_19991117U4.png](#)
[plot_flight_track_with_flight_level_wind_speed_chantal_2013_single_flight_4_20130709U1.png](#)
[plot_flight_track_with_flight_level_wind_speed_chantal_2013_single_flight_8_20130711U1.png](#)
[plot_flight_track_with_flight_level_wind_speed_chantal_2013_single_flight_9_20130712U1.png](#)
[plot_flight_track_with_flight_level_wind_speed_chantal_2013_single_flight_10_20130712U2.png](#)

Miscellaneous

[plot_flight_track_with_flight_level_wind_speed_ernesto_2012_single_flight_6_20120804U1.png](#) - entire flight incorrectly appears to be over land
[plot_flight_track_with_flight_level_wind_speed_bonnie_1998_single_flight_27_19980827U1.png](#) - bad lat/lon value
[plot_flight_track_with_flight_level_wind_speed_keith_2000_single_flight_0_20001001H1.png](#) - flight resembles air-sea interaction follow-up for Helene
[plot_flight_track_with_flight_level_wind_speed_keith_2000_single_flight_5_20001003I1.png](#) - flight seems to correspond to Leslie
[plot_flight_track_with_flight_level_wind_speed_keith_2000_single_flight_7_20001004I1.png](#) - flight seems to correspond to Leslie
[plot_flight_track_with_flight_level_wind_speed_dolly_2008_single_flight_12_20080731H1.png](#) - does this flight belong to dolly?