

Subject: CATZ-D, Thursday the 19th near Dulles
From: Brent Holben <bholben@pop900.gsfc.nasa.gov>
Date: Mon, 16 Jul 2007 17:10:01 -0400

Folks,

We'll run a scaled back Calipso track ground based data collection on the 19th compared to the effort made on the 12th. We're planning two to four cimels north and South of Dulles and perhaps the MPL. We'll bring in the microtops if conditions look favorable and if we have the people to run them. The day/night crossing is near Chambersburg, PA so that option is available.

Please contact me if you can and want to operate a cimel that day or otherwise participate in CATZ-D.

Attached are the upcoming tracks.

cheers,

bh

From: "Hostetler, Chris A. (LARC-E302)" <chris.a.hostetler@nasa.gov>
To: "Brent Holben" <bholben@pop900.gsfc.nasa.gov>,

All,

Attached is our proposed flight plan for the HSRL on 19 July. We go north along the CALIPSO track and return south along the same track timed so that we overfly Dulles at the time of the satellite overpass on the southbound leg. We then divert to overfly the UMBC and GSFC lidar sites, return to the CALIPSO track north of Dulles and overfly the ground based sensors one more time before returning to base.

Chris

From: "Hostetler, Chris A. (LARC-E302)" <chris.a.hostetler@nasa.gov>
To: "Brent Holben" <bholben@pop900.gsfc.nasa.gov>,

Brent et al.,

FYI: if our HSRL flight goes off as planned tomorrow, we will do our first pass over the instruments based in the Dulles region at approximately 16:30 UTC or shortly thereafter. We will travel north and reverse our route to do another pass at satellite

overpass time followed by a third pass approximately 20-30 minutes later.

The only problem we are battling at present is a malfunction of the weather radar in the aircraft. If there is a significant chance of convective activity along the track, our flight may have to be cancelled.

Chris

All,

Due to clouds in the DC area, we have cancelled the run over the UMBC site and are concentrating our aircraft time further south.

Chris

Brent,

The Dulles ASOS and observer reported the following conditions around the Calipso overpass:

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METAR KIAD 191752Z 22012G18KT 10SM SCT055 BKN110 BKN200 32/18 A2979
RMK AO2 SLP083 60000 T03220183 10333 20250 58009 VISNO WEST $
SPECI KIAD 191806Z 24009G15KT 7SM -TSRA SCT050CB BKN100 BKN180 32/18
A2979 RMK AO2 TSB06RAB06 TS OHD MOV E P0000 $
SPECI KIAD 191823Z 23012G19KT 6SM -TSRA BKN024 BKN050CB OVC085 28/21
A2980 RMK AO2 TSB06RAB06 TS OHD MOV E P0000 $
SPECI KIAD 191831Z 23013G24KT 3SM R01R/6000VP6000FT +TSRA FEW015
BKN024CB
BKN050 BKN130 26/21 A2980 RMK AO2 TSB06RAB06 TS OHD MOV E P0003 VISNO
WEST $
SPECI KIAD 191835Z 22013G24KT 5SM R01R/6000VP6000FT +TSRA FEW015
BKN024CB
BKN050 BKN130 25/21 A2979 RMK AO2 TSB06RAB06 TS OHD MOV E VIS W2 P0006
$
SPECI KIAD 191837Z 21010G24KT 5SM R01R/6000VP6000FT +TSRA FEW009 BKN022
BKN045CB BKN130 25/21 A2979 RMK AO2 TSB06RAB06 TS OHD MOV E VIS W2
P0006
$
METAR KIAD 191852Z 20005KT 6SM +TSRA SCT020 BKN045 BKN070 OVC130 25/22
A2977 RMK AO2 TSB06RAB06 PRESFR SLP078 TS OHD MOV E VIS P0007 T02500217
$
SPECI KIAD 191900Z 20007KT 7SM FEW013 BKN045 BKN070 25/22 A2978 RMK AO2
TSE00RAE00 TS MOV E P0000
METAR KIAD 191952Z 19011KT 10SM FEW028 BKN120 BKN200 23/21 A2976 RMK
AO2
TSE00RAE00B22E47 SLP073 TS MOV E P0000 T02330211 VISNO WEST $
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Precipitation Accumulation

0.03 between 1800 and 1831Z

0.03 between 1832 and 1835Z

0.01 between 1836 and 1852Z

Dulles Airport ASOS Coordinates:

38 56' 5"N, 77 26' 51W, which is approximately 500 meters west of today's predicted Calipso track.

I hope to receive the one-minute precipitation measurements from the Dulles ASOS and the Sterling Research and Development Center some time tomorrow.

Dave

Subject: CATZ-D summary and plan for CATZ-E July 28

From: Brent Holben <bholben@pop900.gsfc.nasa.gov>

Date: Fri, 20 Jul 2007 17:07:55 -0400

Hi folks,

I hope you all don't choke on the attached summary for CATZ-D. We had a different sort of day, heavy rain at over pass time at Dulles and the nearby AERONET sites. The data might be of some use to CloudSat and the cloud product folks.