

IOP1: Dec 07, 1200 UTC – Dec 08, 0000 UTC

The HYVIS ran throughout the IOP and captured photos of large aggregates with minimal riming throughout the event.

It seems to perform best during periods of heavy snow. There are some issues with undercatch in the small orifice the snowflakes must fall down, and it seems that the best photos occur when several snowflakes fall at the same time through the tube. The frequency of pictures captured was sporadic.

IOP2: 10-11 Dec

HYVIS ran throughout event. Same sporadic frequency.

The orifice would get clogged during periods of heavy snowfall/big aggregates. Hitting the side of the box seemed to knock this loose. Note that if there are times with many snowflakes during the same time period that a clog had probably been knocked out.

HYVIS captured a transition from aggregates to rimed crystals during the storm.

IOP3: 12 Dec - 13 Dec

The HYVIS did not perform well during this event. It clogged quickly and was left unattended during the overnight hours.

The following day while we were digging out I noticed that the BNC cords had been pulled out of their end attachments, which may have resulted in the lack of pictures for the last few hours of the IOP.

IOP4: 15 - 16 Dec

I thought I had gotten the HYVIS to a workable state but was wrong. It did not work properly during the event. Have to figure out how to attach the BNC cord ends properly, which I struggled with before the beginning of the IOP.

IOP5: 18 Dec

There was much more graupel during this event than had been observed previously. The HYVIS struggled with non-graupel periods but did reasonably well with the graupel.

IOP6/7: Jan 6-7

The best pictures were taken on Jan 6, and not many were taken overnight, perhaps due to strong winds.

IOP10: Jan 12

The HYVIS did not function properly during this event.

IOP14: Jan 19-20

Only took ~5 photos during the event. Perhaps an issue from the wind?