# Supplementary Material

**Table S1:** List of storm days between 1996-2023 used in the analysis. Dates are in YYYYMMDD format.

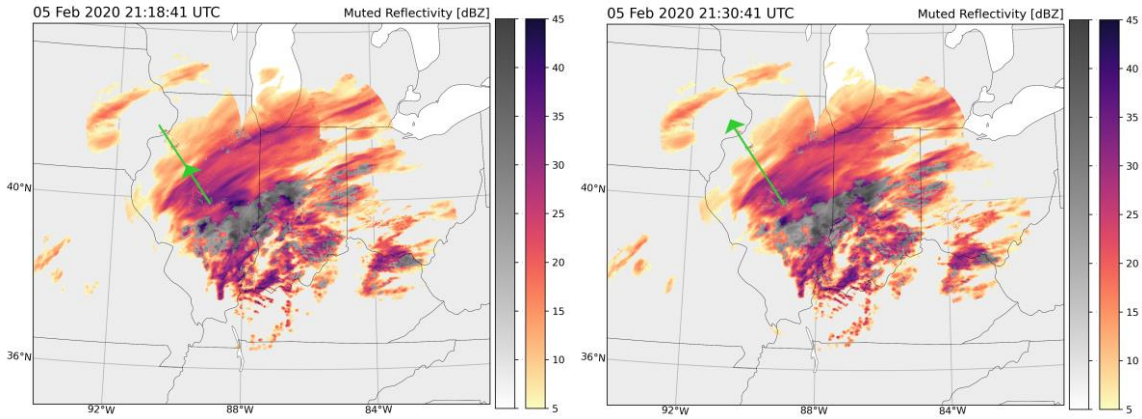
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19960102 | 19960103 | 19960104 | 19960107 | 19960108 | 19960109 | 19960110 | 19960112 |
| 19960129 | 19960131 | 19960202 | 19960203 | 19960208 | 19960211 | 19960214 | 19960216 |
| 19960217 | 19960302 | 19960305 | 19960306 | 19960307 | 19960308 | 19960329 | 19961126 |
| 19961127 | 19961206 | 19961231 | 19970109 | 19970110 | 19970111 | 19970124 | 19970127 |
| 19970128 | 19970131 | 19970204 | 19970208 | 19970214 | 19970216 | 19970217 | 19970303 |
| 19970306 | 19970308 | 19970310 | 19970314 | 19970331 | 19971114 | 19971116 | 19971122 |
| 19971210 | 19971223 | 19971227 | 19971229 | 19971230 | 19980116 | 19980118 | 19980119 |
| 19980123 | 19980124 | 19980125 | 19980224 | 19980314 | 19980322 | 19981224 | 19981229 |
| 19981230 | 19990108 | 19990109 | 19990112 | 19990113 | 19990114 | 19990115 | 19990128 |
| 19990129 | 19990208 | 19990212 | 19990225 | 19990306 | 19990307 | 19990314 | 19990315 |
| 19990322 | 20000113 | 20000120 | 20000121 | 20000125 | 20000126 | 20000130 | 20000131 |
| 20000203 | 20000214 | 20000218 | 20000219 | 20000317 | 20001214 | 20001219 | 20001220 |
| 20001222 | 20001230 | 20001231 | 20010105 | 20010106 | 20010108 | 20010109 | 20010119 |
| 20010121 | 20010127 | 20010202 | 20010205 | 20010206 | 20010208 | 20010222 | 20010223 |
| 20010225 | 20010301 | 20010302 | 20010304 | 20010305 | 20010306 | 20010309 | 20010310 |
| 20010326 | 20010330 | 20011208 | 20011209 | 20020106 | 20020107 | 20020117 | 20020119 |
| 20020121 | 20020131 | 20020211 | 20020318 | 20020320 | 20021116 | 20021117 | 20021118 |
| 20021127 | 20021202 | 20021205 | 20021206 | 20021211 | 20021212 | 20021216 | 20021225 |
| 20021226 | 20030102 | 20030103 | 20030104 | 20030105 | 20030106 | 20030107 | 20030108 |
| 20030109 | 20030111 | 20030126 | 20030127 | 20030129 | 20030202 | 20030207 | 20030210 |
| 20030212 | 20030216 | 20030217 | 20030218 | 20030306 | 20030313 | 20030330 | 20031205 |
| 20031206 | 20031207 | 20031214 | 20031215 | 20031217 | 20040102 | 20040112 | 20040113 |
| 20040114 | 20040115 | 20040118 | 20040126 | 20040127 | 20040128 | 20040203 | 20040206 |
| 20040207 | 20040222 | 20040308 | 20040316 | 20040317 | 20040318 | 20040319 | 20041112 |
| 20041113 | 20041206 | 20041220 | 20041226 | 20041227 | 20050105 | 20050106 | 20050108 |
| 20050111 | 20050112 | 20050116 | 20050117 | 20050119 | 20050120 | 20050122 | 20050123 |
| 20050124 | 20050126 | 20050204 | 20050210 | 20050211 | 20050220 | 20050221 | 20050224 |
| 20050225 | 20050228 | 20050301 | 20050302 | 20050308 | 20050309 | 20050311 | 20050312 |
| 20050323 | 20050324 | 20051124 | 20051204 | 20051206 | 20051209 | 20051216 | 20051231 |
| 20060101 | 20060103 | 20060105 | 20060114 | 20060115 | 20060123 | 20060125 | 20060211 |
| 20060212 | 20060225 | 20060226 | 20060302 | 20070119 | 20070122 | 20070128 | 20070202 |
| 20070213 | 20070214 | 20070222 | 20070223 | 20070225 | 20070226 | 20070227 | 20070307 |
| 20070316 | 20070317 | 20070319 | 20070324 | 20071118 | 20071119 | 20071202 | 20071203 |
| 20071205 | 20071213 | 20071216 | 20071220 | 20071227 | 20071230 | 20071231 | 20080101 |
| 20080114 | 20080115 | 20080117 | 20080127 | 20080207 | 20080209 | 20080210 | 20080212 |
| 20080213 | 20080222 | 20080226 | 20080229 | 20080301 | 20080315 | 20080328 | 20081206 |
| 20081207 | 20081211 | 20081216 | 20081217 | 20081219 | 20081220 | 20081221 | 20081231 |
| 20090107 | 20090108 | 20090110 | 20090111 | 20090115 | 20090118 | 20090119 | 20090128 |

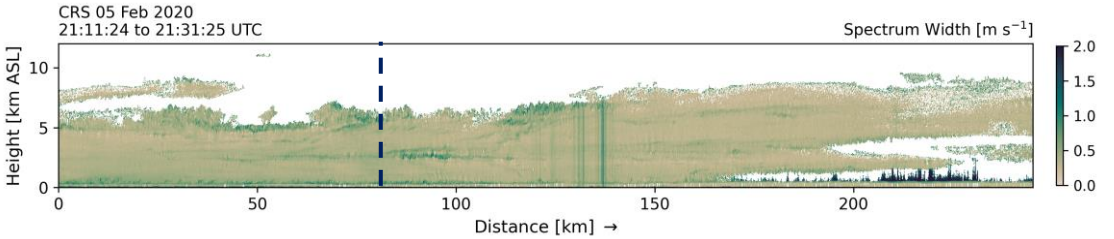
20090203 20090218 20090219 20090220 20090222 20090301 20090302 20090309
20091205 20091209 20091219 20091220 20091228 20091231 20100101 20100102
20100103 20100108 20100117 20100118 20100119 20100128 20100202 20100203
20100205 20100206 20100209 20100210 20100216 20100223 20100224 20100225
20100226 20100227 20101213 20101214 20101220 20101226 20101227 20110107
20110108 20110111 20110112 20110118 20110119 20110121 20110125 20110126
20110127 20110201 20110202 20110208 20110220 20110221 20110225 20110227
20110307 20110321 20110323 20110324 20110331 20111027 20111029 20111030
20111207 20120112 20120116 20120117 20120119 20120120 20120121 20120224
20120229 20120301 20121107 20121108 20121127 20121221 20121222 20121225
20121226 20121227 20121229 20130116 20130121 20130125 20130128 20130208
20130209 20130216 20130217 20130224 20130227 20130307 20130308 20130318
20130319 20131112 20131126 20131206 20131208 20131210 20131214 20131215
20131217 20131224 20131226 20131229 20140102 20140103 20140110 20140118
20140121 20140122 20140125 20140129 20140203 20140205 20140209 20140213
20140214 20140215 20140218 20140219 20140313 20141114 20141126 20141127
20141209 20141210 20141211 20150103 20150106 20150109 20150112 20150124
20150126 20150127 20150130 20150131 20150201 20150202 20150205 20150208
20150209 20150212 20150214 20150215 20150217 20150218 20150219 20150221
20150222 20150225 20150301 20150303 20150305 20150315 20150320 20150321
20150328 20151229 20160112 20160117 20160118 20160122 20160123 20160205
20160208 20160209 20160210 20160215 20160321 20161027 20161119 20161120
20161205 20161212 20161217 20161229 20161230 20170106 20170107 20170114
20170118 20170124 20170131 20170201 20170207 20170209 20170211 20170212
20170213 20170215 20170216 20170310 20170313 20170314 20170315 20170331
20171209 20171212 20171213 20171214 20171215 20171222 20171225 20171230
20180104 20180113 20180116 20180117 20180130 20180201 20180204 20180207
20180217 20180218 20180222 20180302 20180307 20180308 20180309 20180312
20180313 20180314 20180321 20180322 20181115 20181116 20181119 20181120
20181127 20181213 20190109 20190119 20190120 20190129 20190130 20190212
20190218 20190220 20190221 20190227 20190228 20190301 20190302 20190303
20190304 20190310 20190322 20191112 20191201 20191202 20191203 20191206
20191211 20191217 20191218 20191230 20200116 20200118 20200119 20200202
20200206 20200207 20200209 20200213 20200218 20200323 20201030 20201205
20201209 20201216 20201217 20201220 20201225 20210101 20210102 20210103
20210126 20210127 20210131 20210201 20210202 20210203 20210207 20210209
20210211 20210218 20210219 20210222 20211126 20211128 20211208 20211218
20211219 20211224 20220107 20220116 20220117 20220124 20220128 20220129
20220204 20220213 20220214 20220225 20220309 20220312 20221115 20221211
20221215 20221216 20230106 20230116 20230120 20230122 20230123 20230125
20230222 20230223 20230225 20230227 20230228 20230303 20230304 20230311
20230314

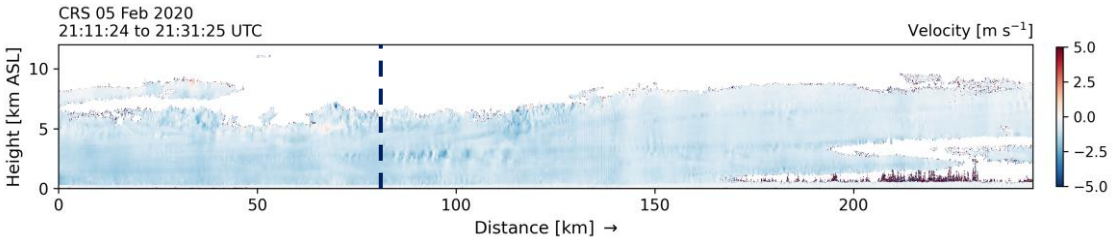
## *All available transects from NASA IMPACTS with snow to the surface*

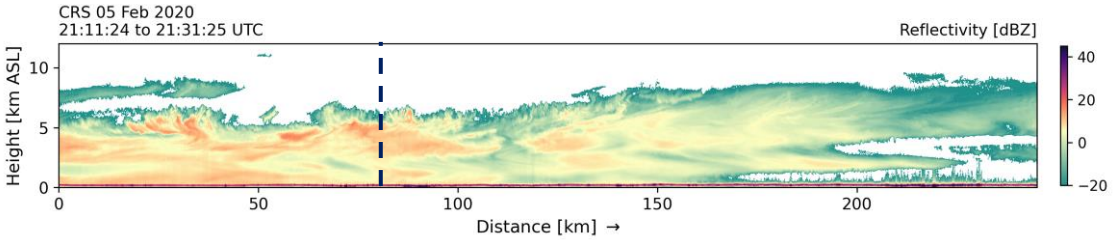
In this section we present all 57 available transects from the 3 NASA IMPACTS deployment which have snow to the surface. For each transect we present the reflectivity, velocity, spectrum width, and LDR fields from the instrument with the shortest wavelength available (usually CRS, but occasionally HIWRAP Ku-band) and the reflectivity field from the instrument with the longest wavelength available (usually EXRAD, but occasionally HIWRAP Ka-band). We include snapshots of the NEXRAD regional maps to provide context for the transects. If available, we include the VAD winds on the EXRAD reflectivity transects and CFADs of wind speed and direction to summarize the wind patterns. Each transect is annotated with one or two vertical, dashed, black lines which annotates the approximate location where the enhanced reflectivity features are in the regional maps. The time of the regional maps and transects as well as the field and instrument plotted is labeled above each sub-figure.

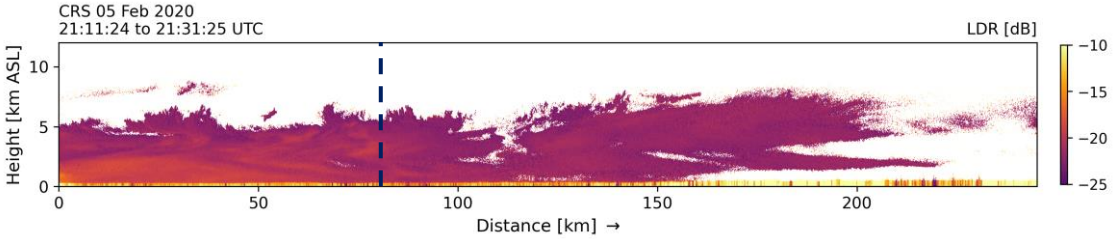
2020

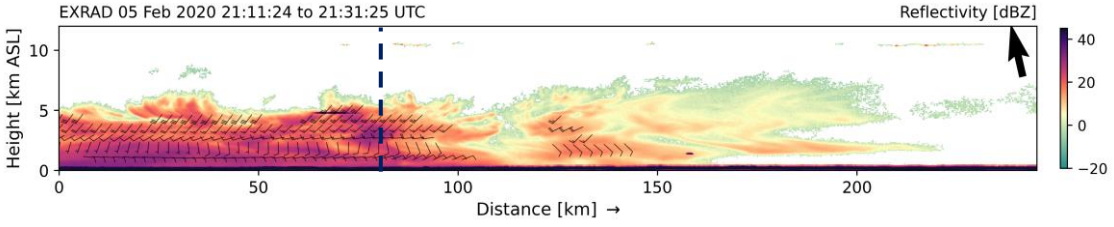

05 Feb 2020 21:18:41 UTC
Muted Reflectivity [dBZ]
05 Feb 2020 21:30:41 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W

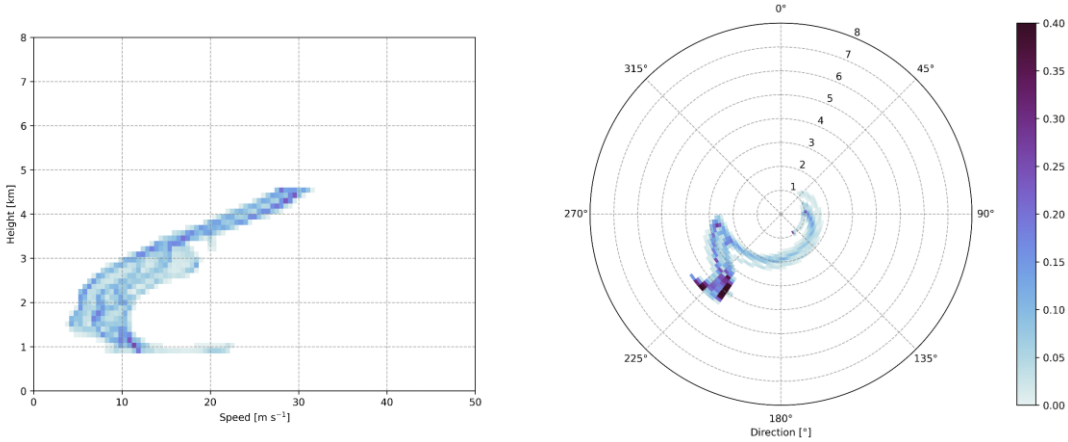

CRS 05 Feb 2020
21:11:24 to 21:31:25 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

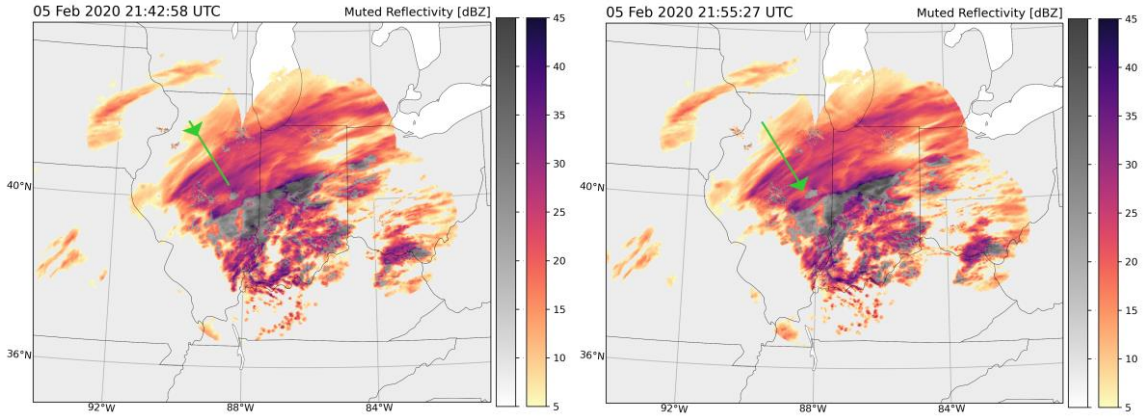

CRS 05 Feb 2020
21:11:24 to 21:31:25 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

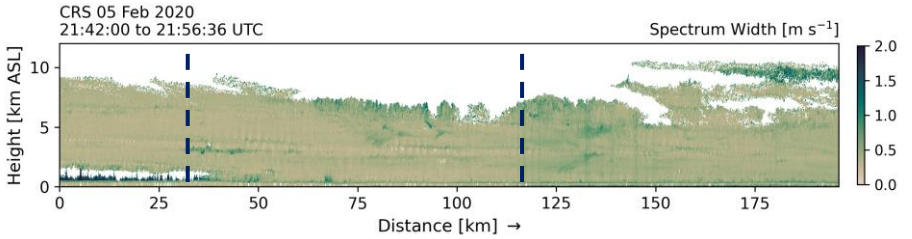

CRS 05 Feb 2020
21:11:24 to 21:31:25 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

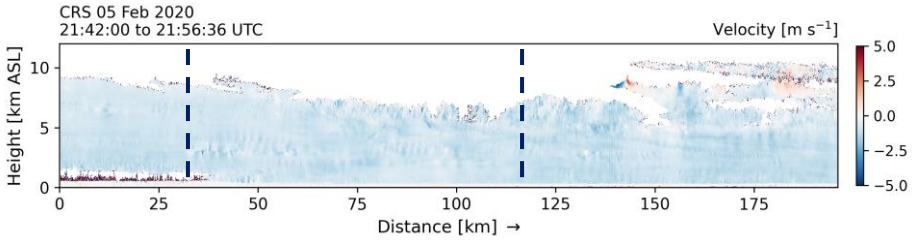

CRS 05 Feb 2020
21:11:24 to 21:31:25 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

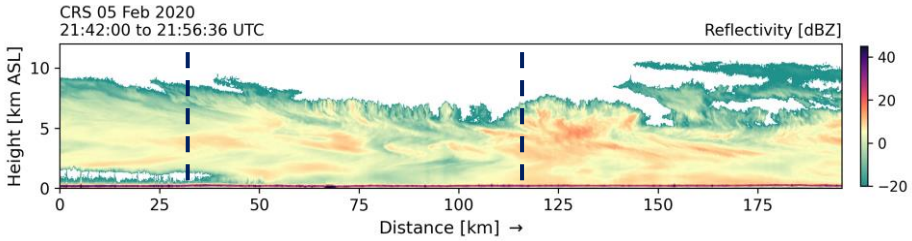

EXRAD 05 Feb 2020 21:11:24 to 21:31:25 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

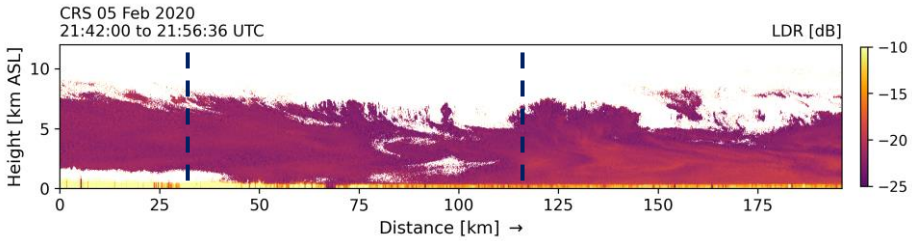

Height [km]
Speed [m s$^{-1}$]
Direction [°]

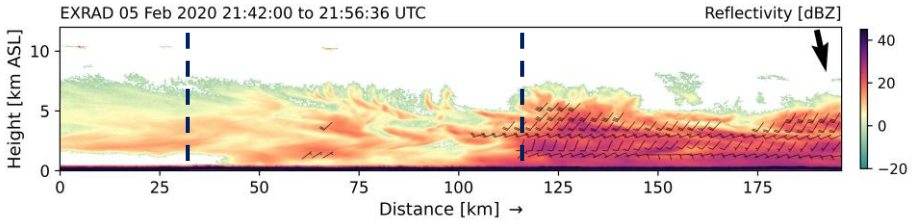

05 Feb 2020 21:42:58 UTC
Muted Reflectivity [dBZ]
05 Feb 2020 21:55:27 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W

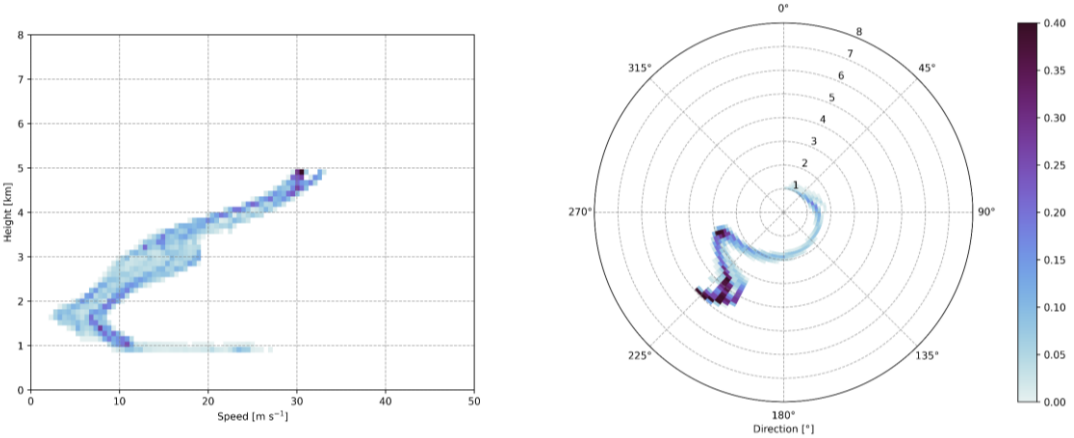

CRS 05 Feb 2020
21:42:00 to 21:56:36 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

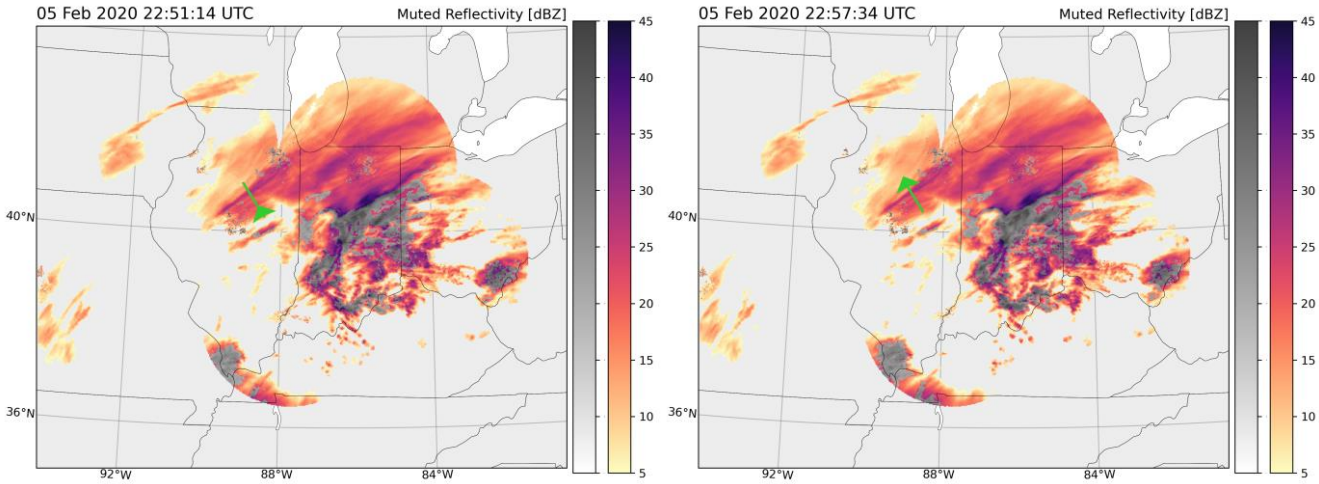

CRS 05 Feb 2020
21:42:00 to 21:56:36 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

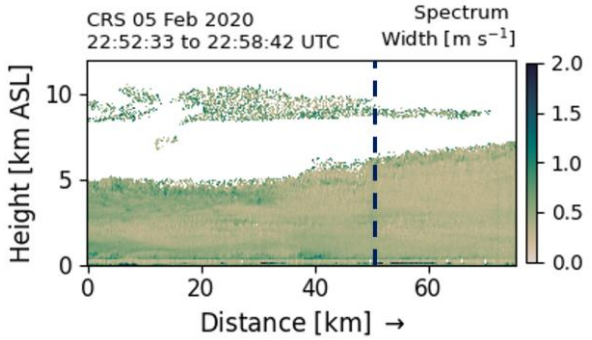

CRS 05 Feb 2020
21:42:00 to 21:56:36 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

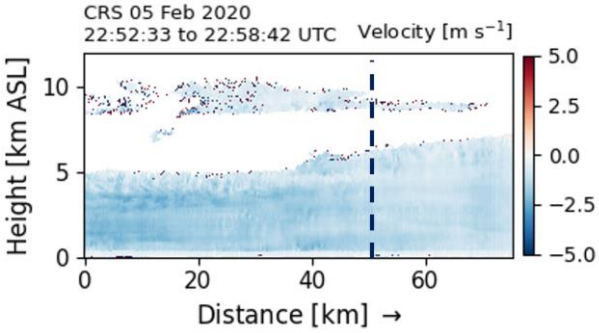

CRS 05 Feb 2020
21:42:00 to 21:56:36 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

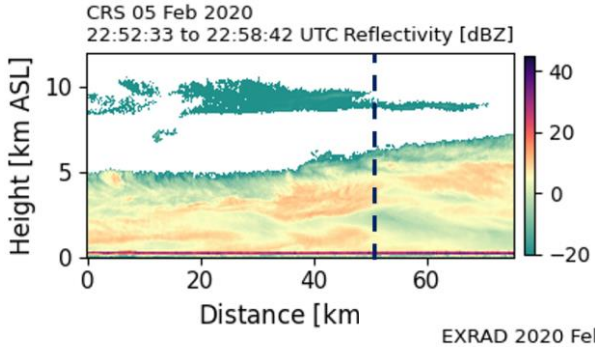

EXRAD 05 Feb 2020 21:42:00 to 21:56:36 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

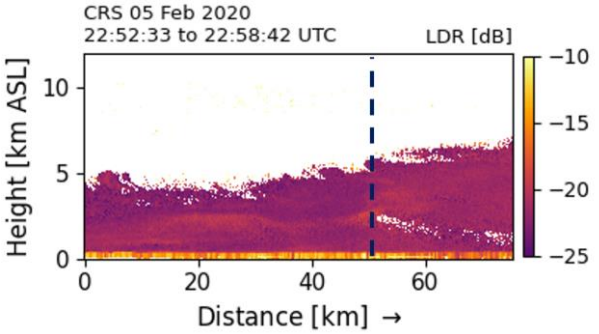

Height [km]
Speed [m s$^{-1}$]
Direction [°]

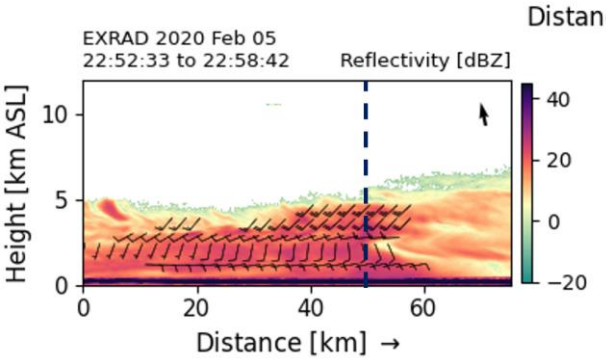

05 Feb 2020 22:51:14 UTC
Muted Reflectivity [dBZ]
05 Feb 2020 22:57:34 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W

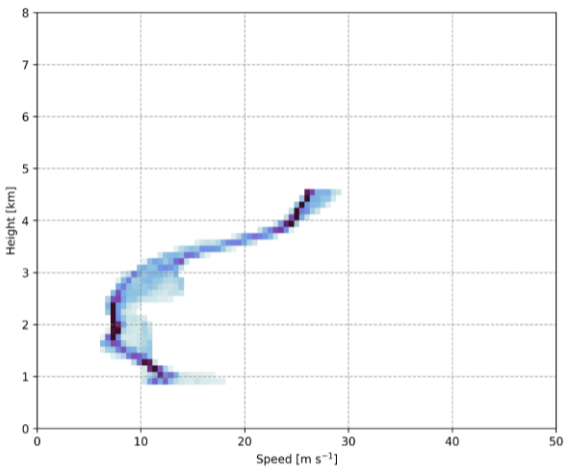

CRS 05 Feb 2020
22:52:33 to 22:58:42 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

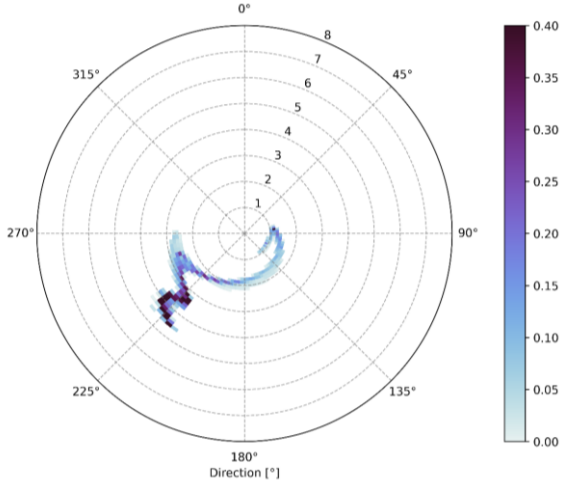

CRS 05 Feb 2020
22:52:33 to 22:58:42 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

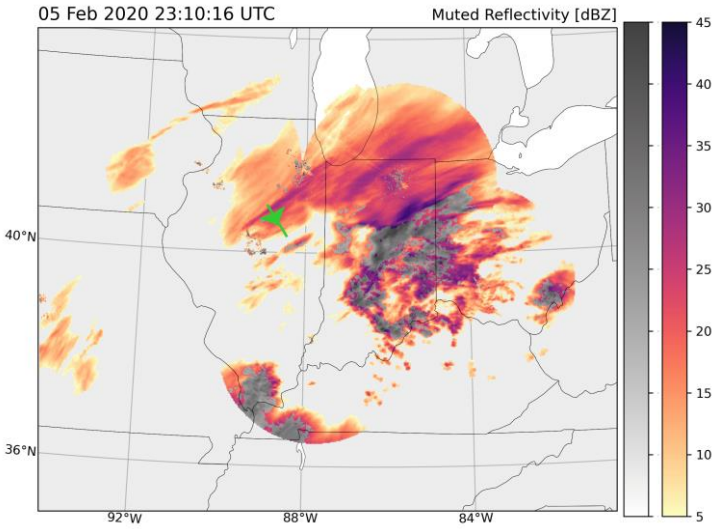

CRS 05 Feb 2020
22:52:33 to 22:58:42 UTC Reflectivity [dBZ]
Height [km ASL]
Distance [km

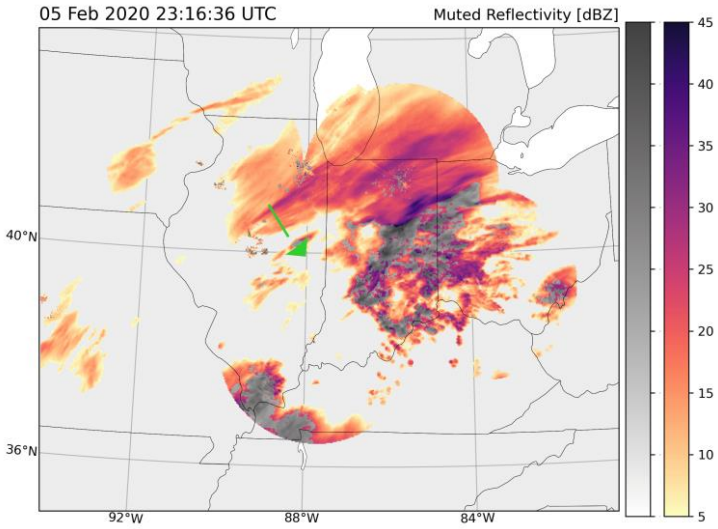

CRS 05 Feb 2020
22:52:33 to 22:58:42 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

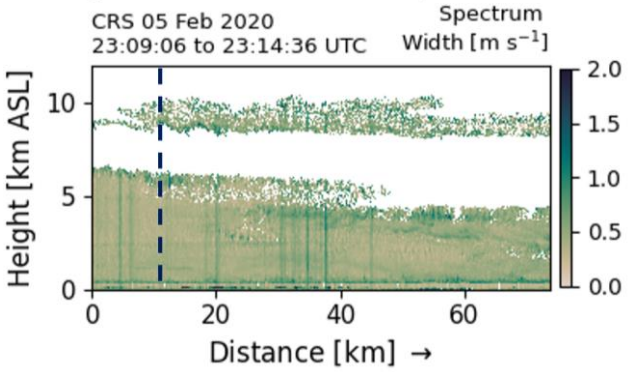

EXRAD 2020 Feb 05
22:52:33 to 22:58:42
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

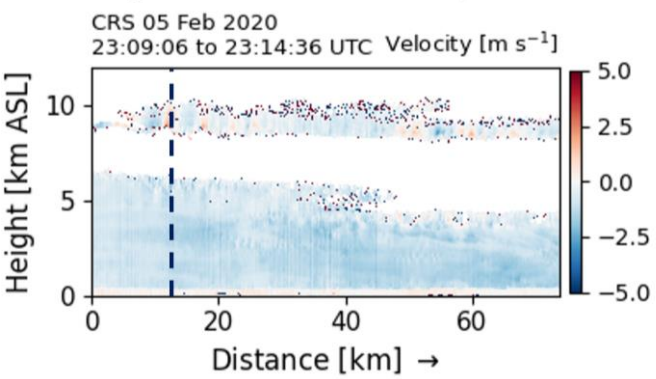

Height [km]
Speed [m s$^{-1}$]

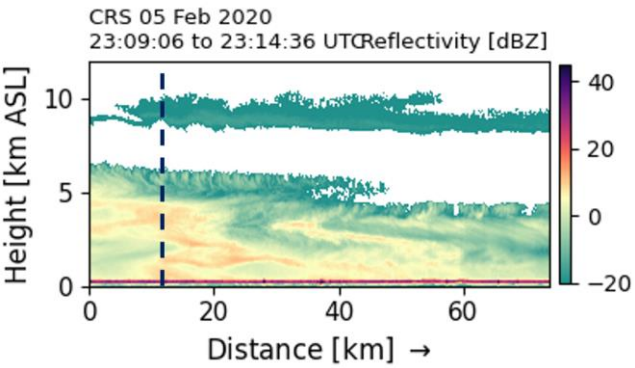

Direction [°]

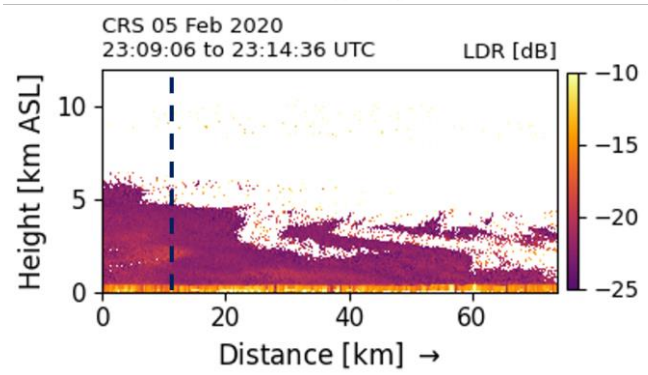

05 Feb 2020 23:10:16 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W
45
40
35
30
25
20
15
10
5

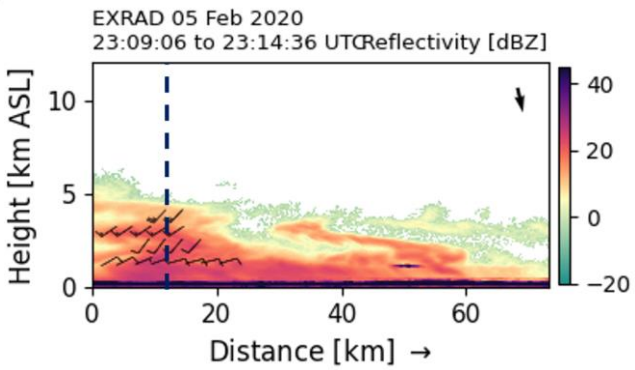

05 Feb 2020 23:16:36 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W
45
40
35
30
25
20
15
10
5

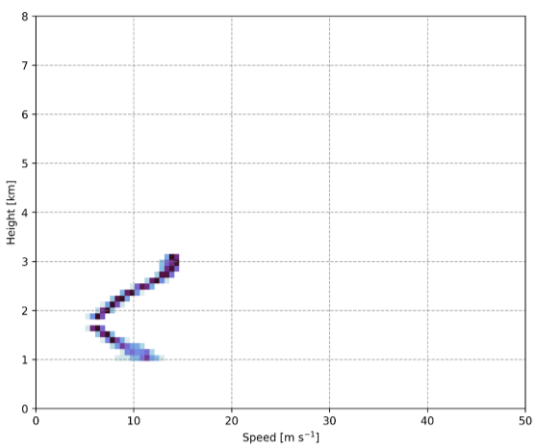

CRS 05 Feb 2020
23:09:06 to 23:14:36 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →
2.0
1.5
1.0
0.5
0.0

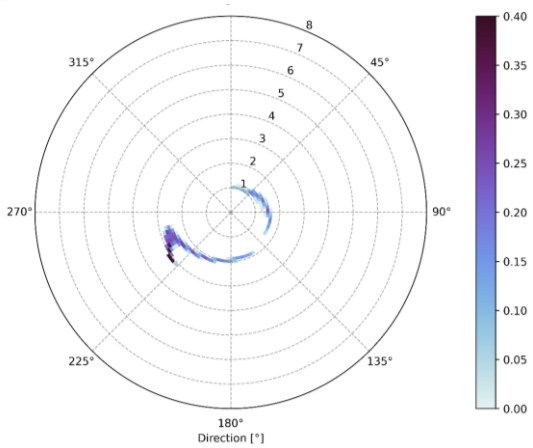

CRS 05 Feb 2020
23:09:06 to 23:14:36 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

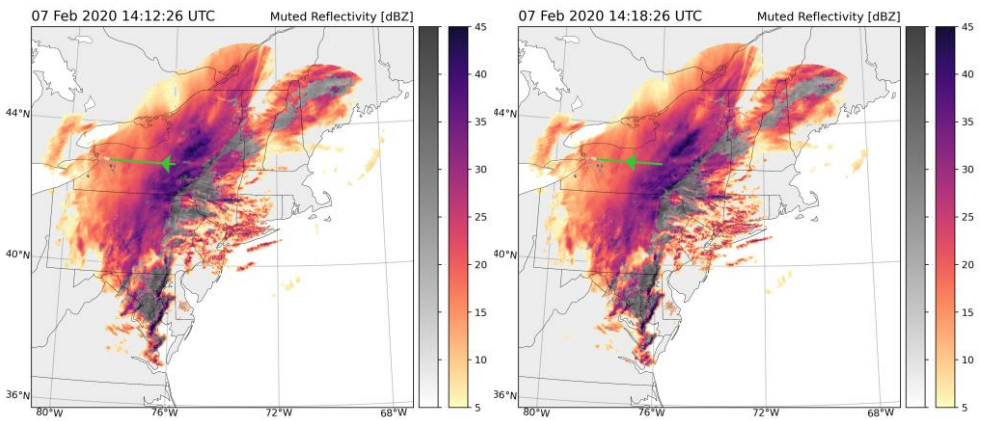

CRS 05 Feb 2020
23:09:06 to 23:14:36 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

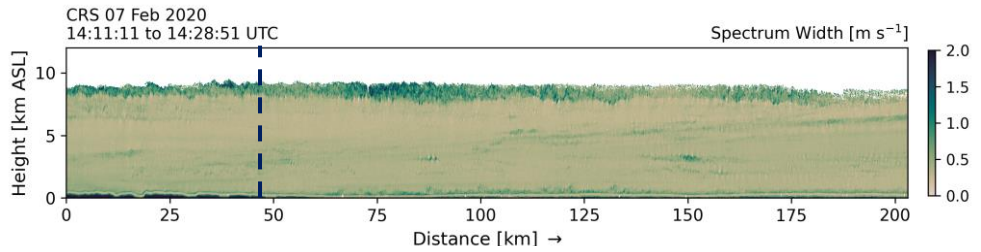

CRS 05 Feb 2020
23:09:06 to 23:14:36 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

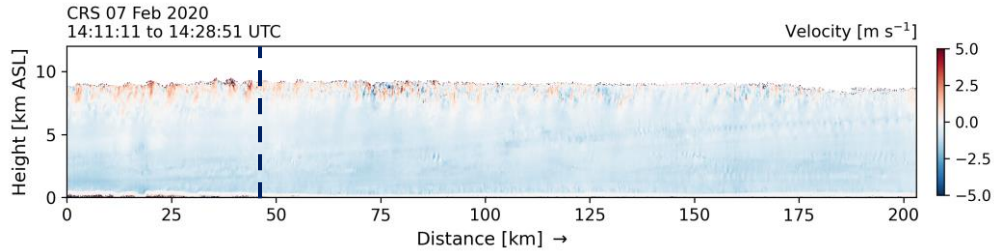

EXRAD 05 Feb 2020
23:09:06 to 23:14:36 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

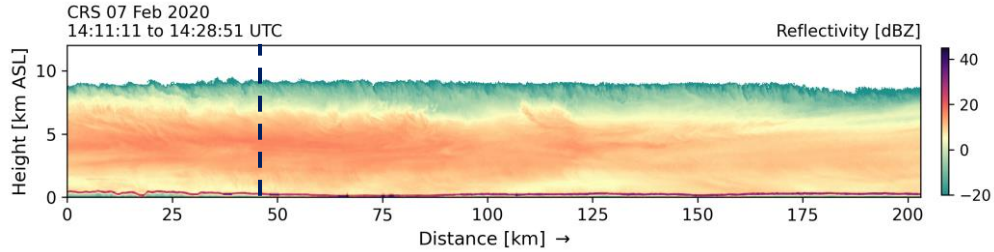

Height [km]
Speed [m s$^{-1}$]

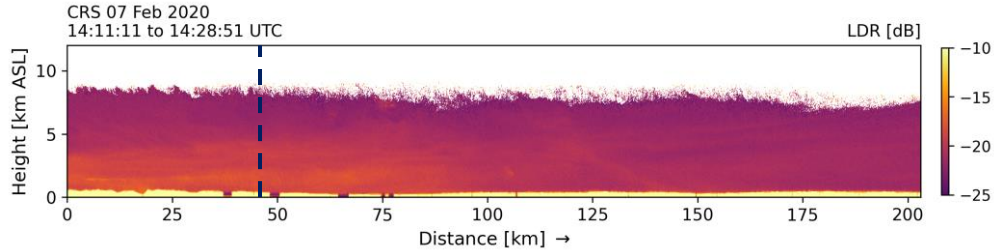

315°
45°
270°
90°
225°
135°
180°
Direction [°]
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00

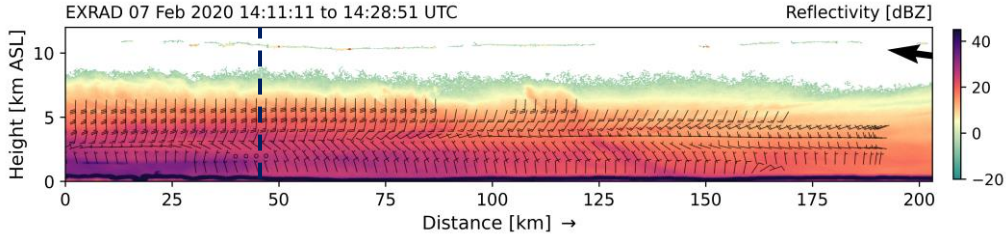

07 Feb 2020 14:12:26 UTC
Muted Reflectivity [dBZ]
07 Feb 2020 14:18:26 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W

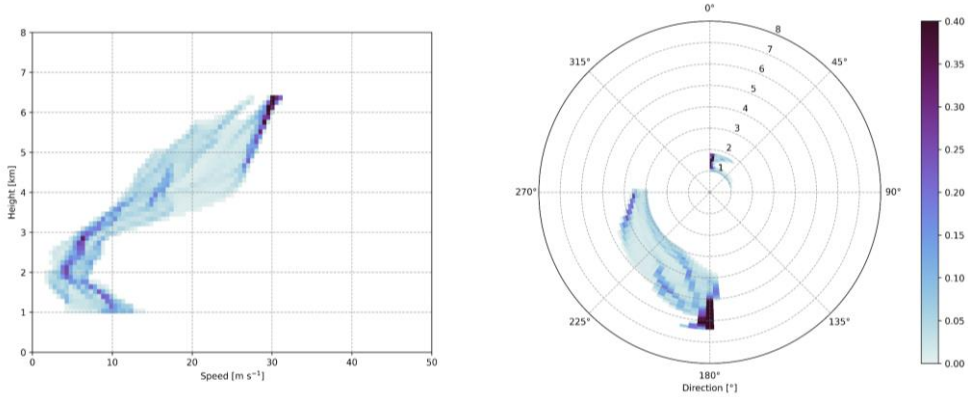

CRS 07 Feb 2020
14:11:11 to 14:28:51 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

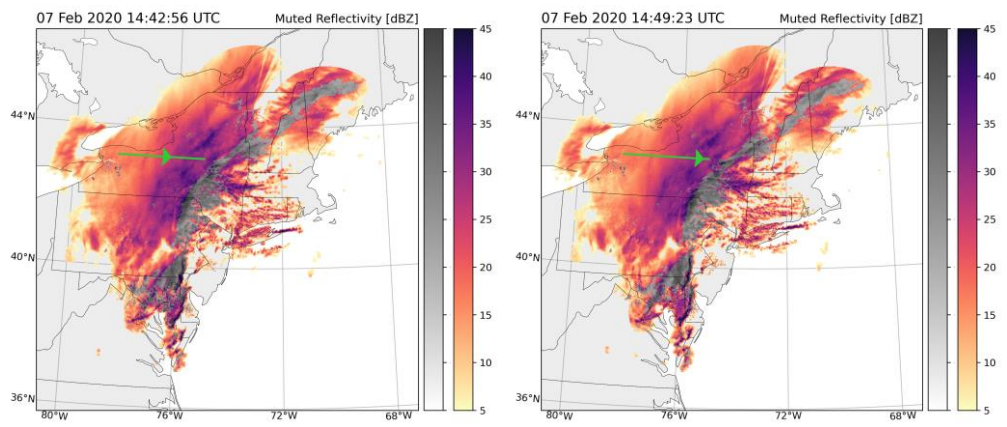

CRS 07 Feb 2020
14:11:11 to 14:28:51 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

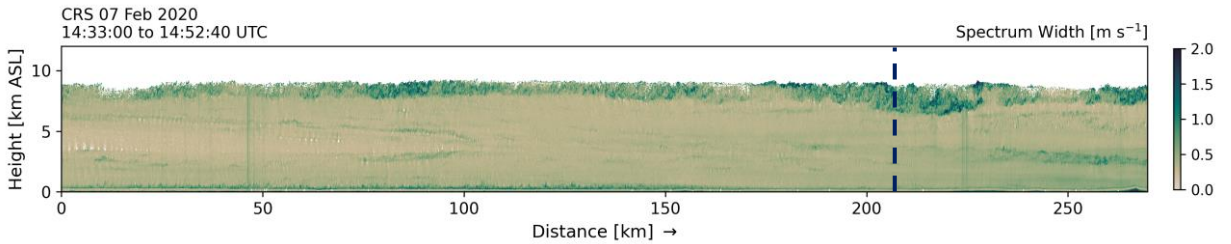

CRS 07 Feb 2020
14:11:11 to 14:28:51 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

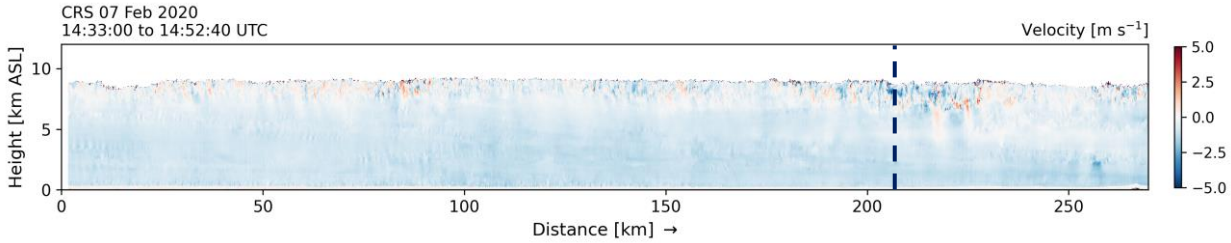

CRS 07 Feb 2020
14:11:11 to 14:28:51 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

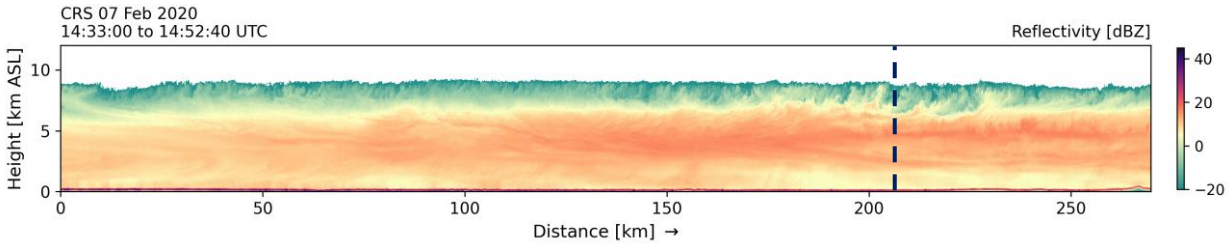

EXRAD 07 Feb 2020 14:11:11 to 14:28:51 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

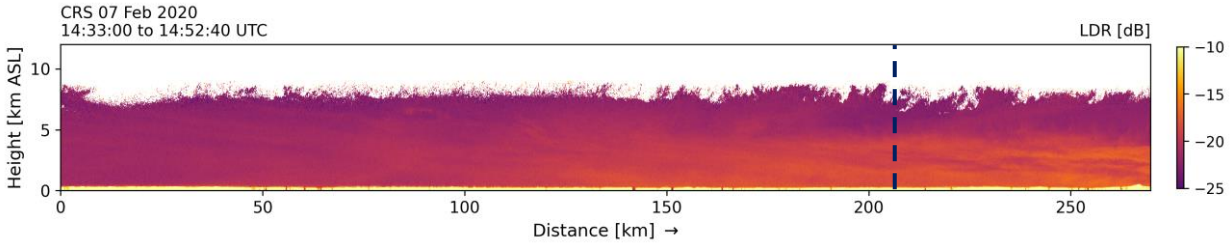

Height [km]
Speed [m s$^{-1}$]
Direction [°]

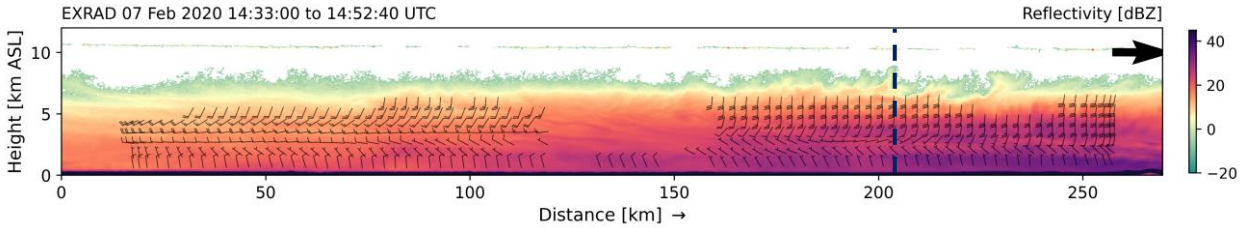

07 Feb 2020 14:42:56 UTC
Muted Reflectivity [dBZ]
07 Feb 2020 14:49:23 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W

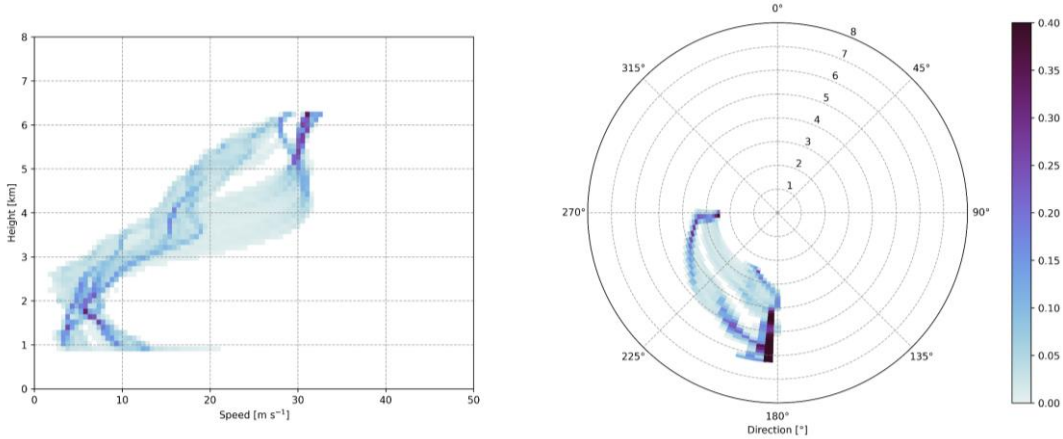

CRS 07 Feb 2020
14:33:00 to 14:52:40 UTC
Spectrum Width [m s⁻¹]
Height [km ASL]
Distance [km] →

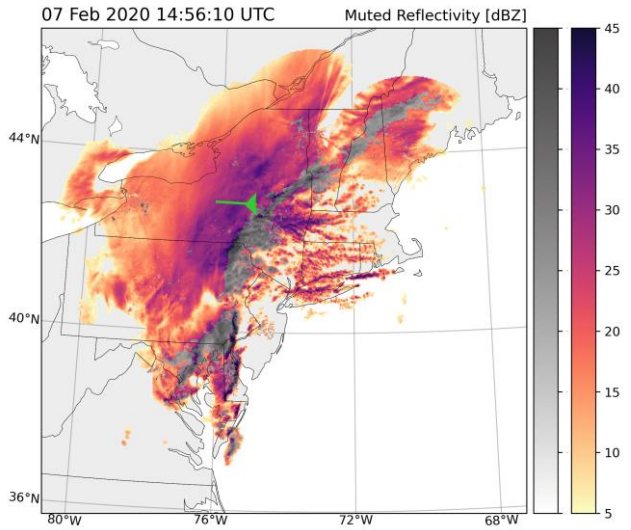

CRS 07 Feb 2020
14:33:00 to 14:52:40 UTC
Velocity [m s⁻¹]
Height [km ASL]
Distance [km] →

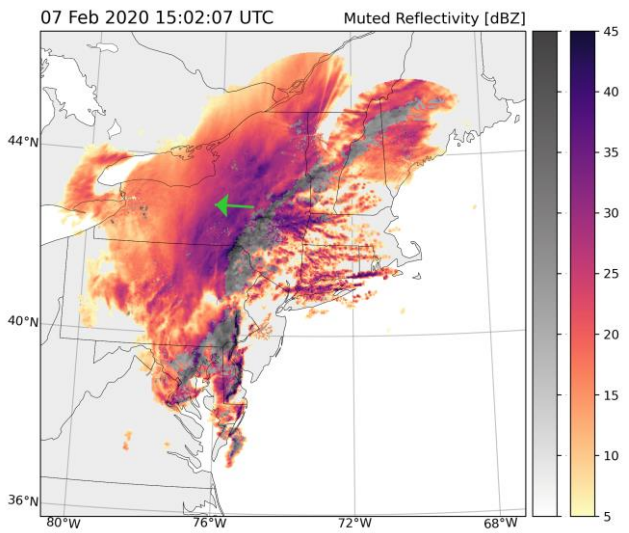

CRS 07 Feb 2020
14:33:00 to 14:52:40 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

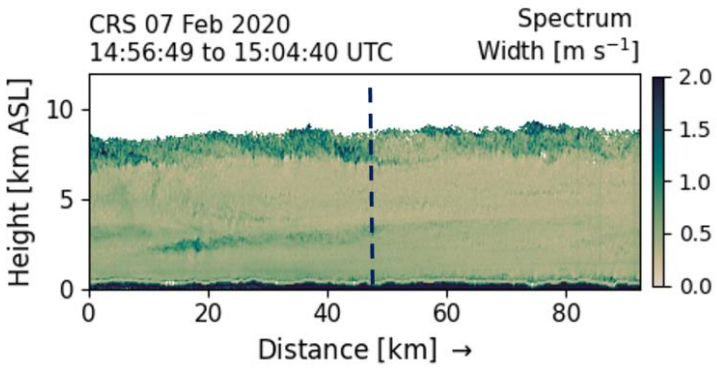

CRS 07 Feb 2020
14:33:00 to 14:52:40 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

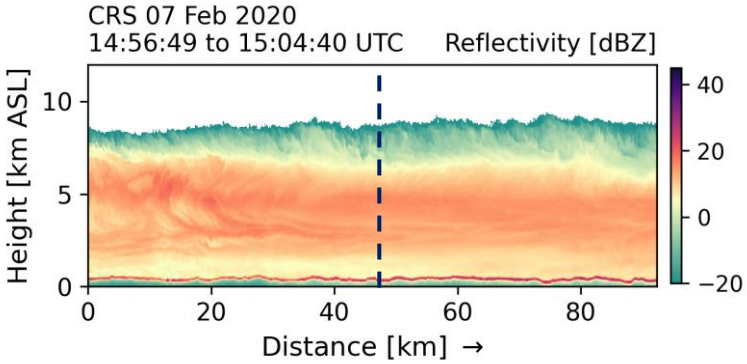

EXRAD 07 Feb 2020 14:33:00 to 14:52:40 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

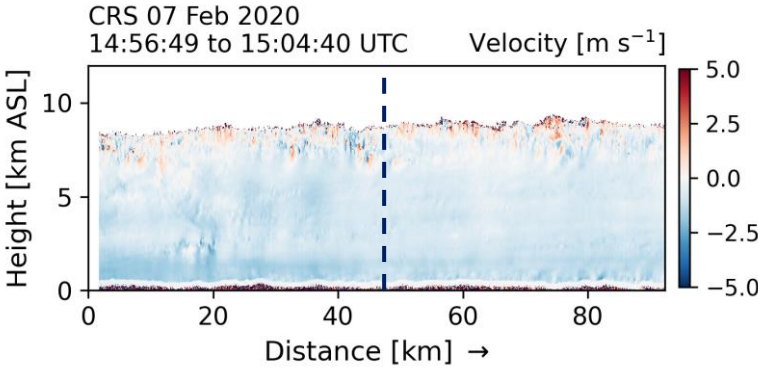

Height [km]
Speed [m s⁻¹]
Direction [°]

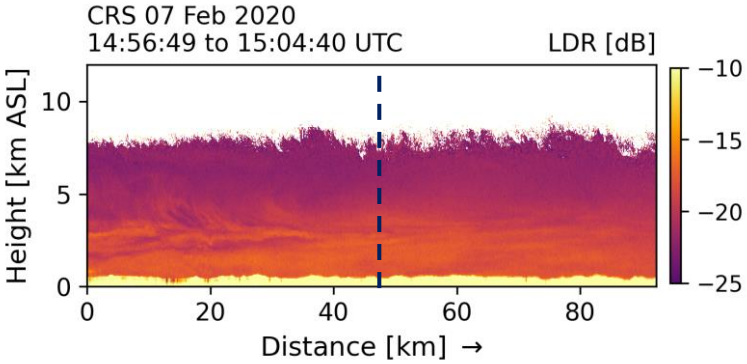

07 Feb 2020 14:56:10 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

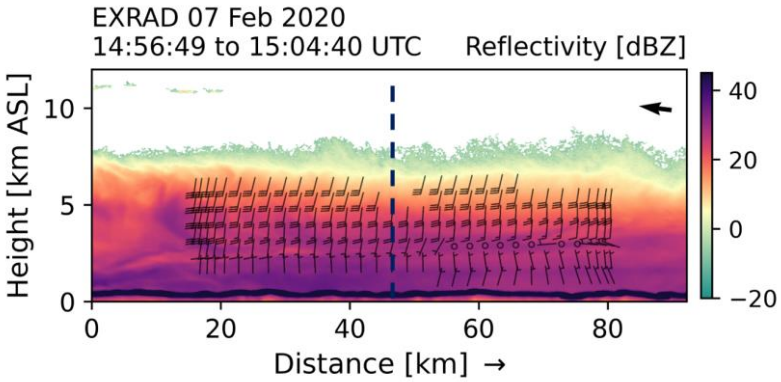

07 Feb 2020 15:02:07 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

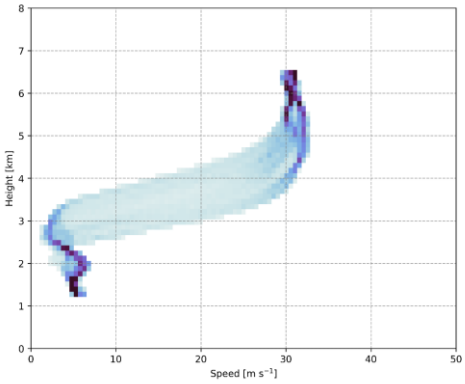

CRS 07 Feb 2020
14:56:49 to 15:04:40 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →
2.0
1.5
1.0
0.5
0.0

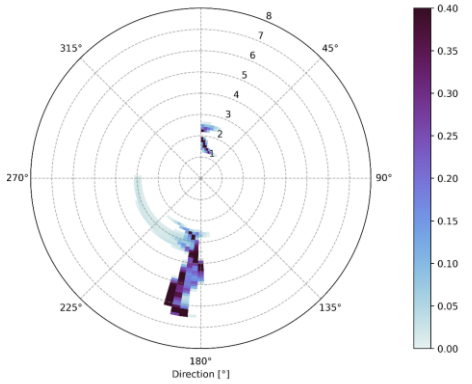

CRS 07 Feb 2020
14:56:49 to 15:04:40 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

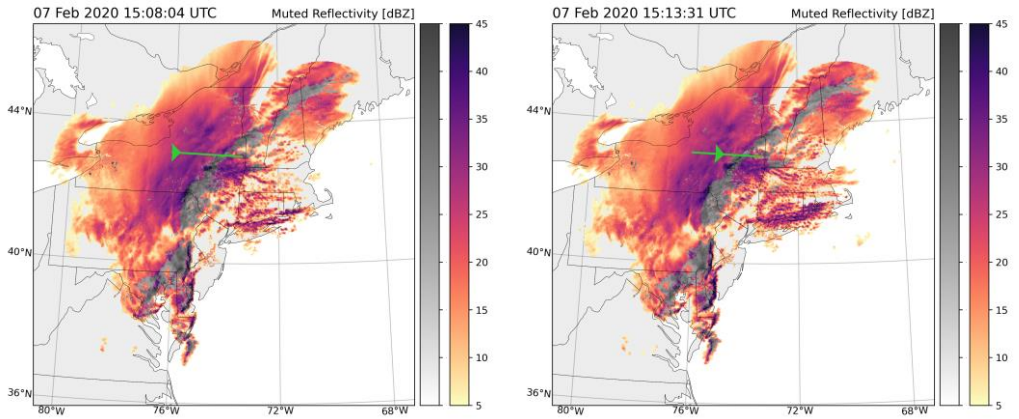

CRS 07 Feb 2020
14:56:49 to 15:04:40 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

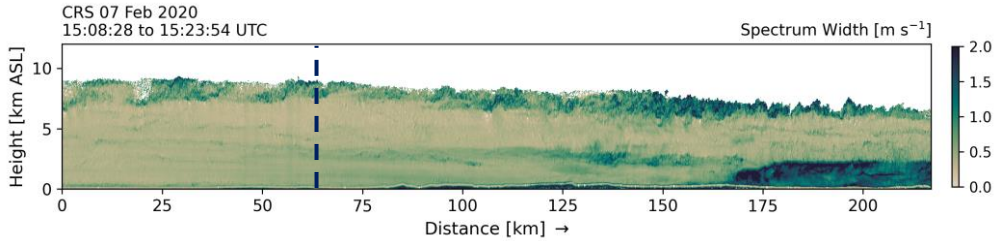

CRS 07 Feb 2020
14:56:49 to 15:04:40 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

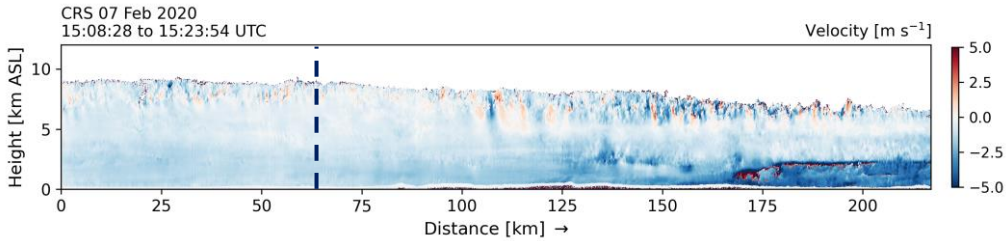

EXRAD 07 Feb 2020
14:56:49 to 15:04:40 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

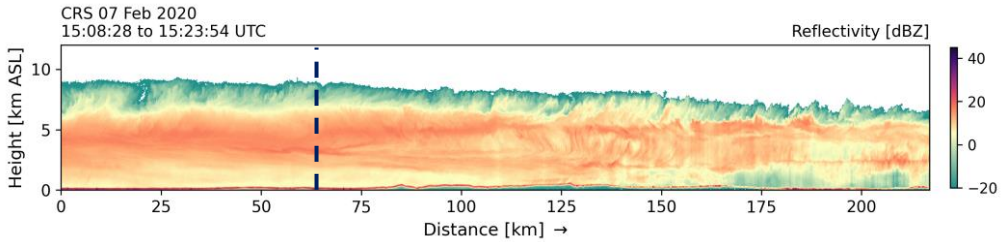

Height [km]
Speed [m s$^{-1}$]

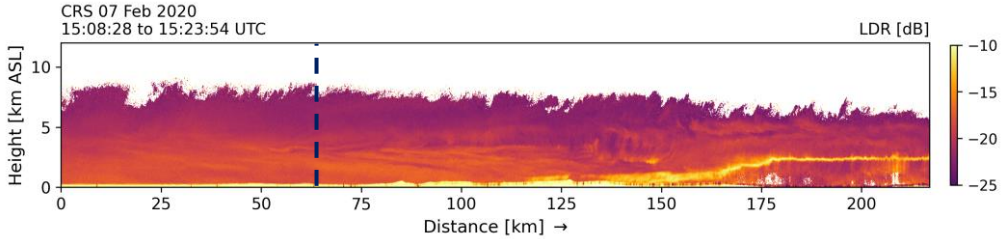

Direction [°]

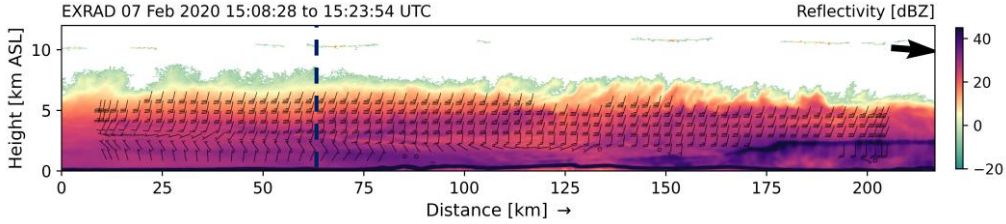

07 Feb 2020 15:08:04 UTC
Muted Reflectivity [dBZ]
07 Feb 2020 15:13:31 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W

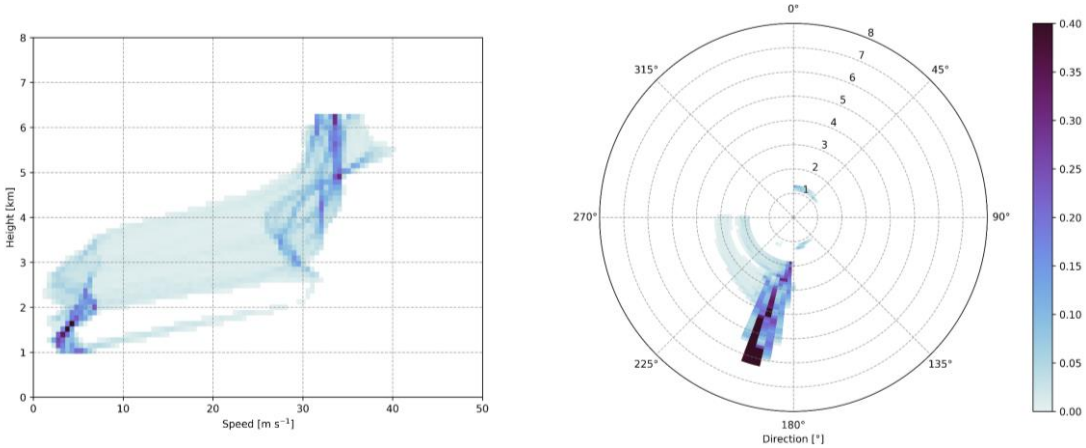

CRS 07 Feb 2020
15:08:28 to 15:23:54 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

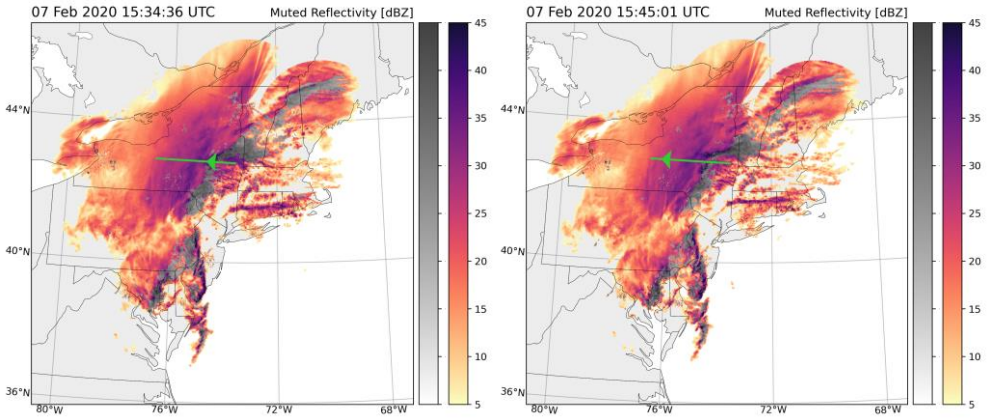

CRS 07 Feb 2020
15:08:28 to 15:23:54 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

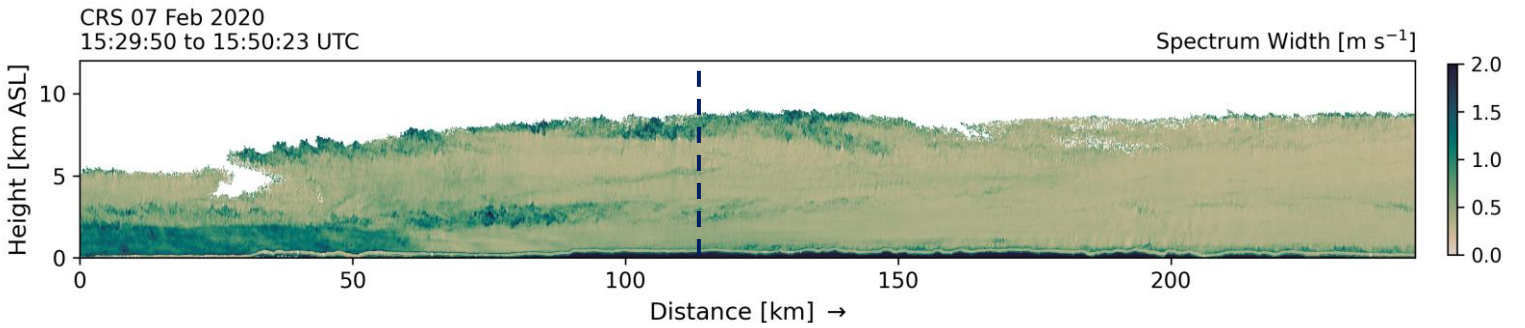

CRS 07 Feb 2020
15:08:28 to 15:23:54 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

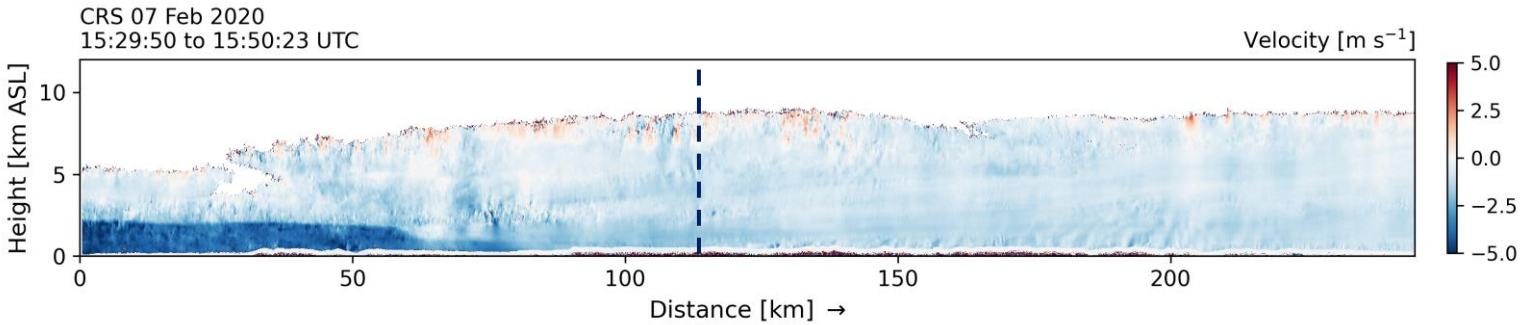

CRS 07 Feb 2020
15:08:28 to 15:23:54 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

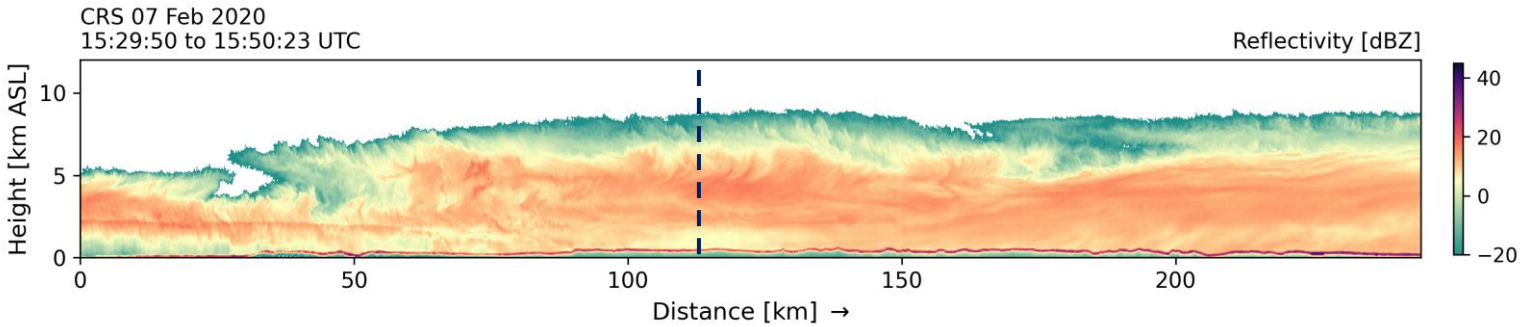

EXRAD 07 Feb 2020 15:08:28 to 15:23:54 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

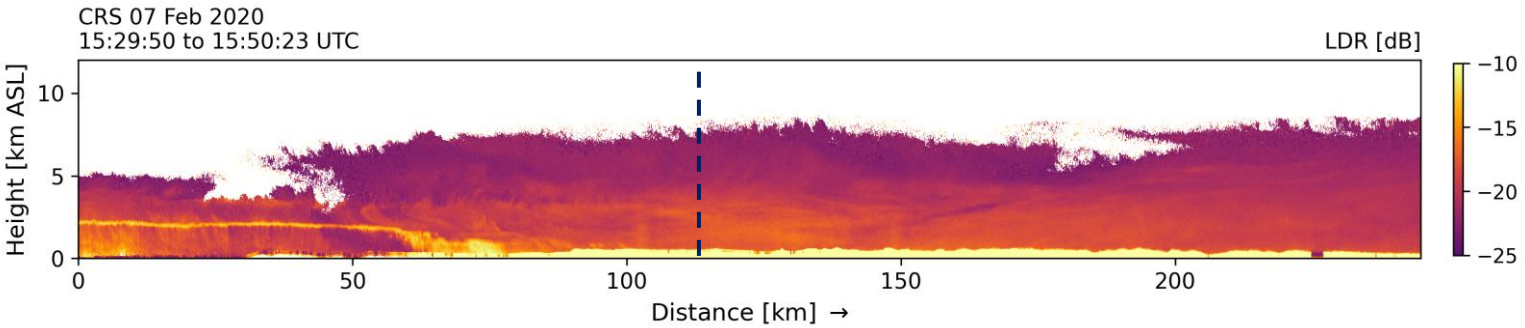

Height [km]
Speed [m s$^{-1}$]
Direction [°]

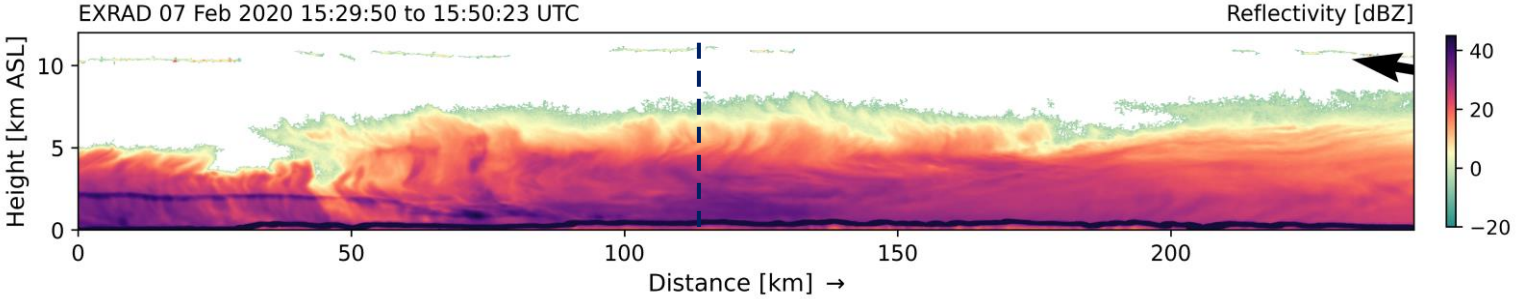

07 Feb 2020 15:34:36 UTC
Muted Reflectivity [dBZ]
07 Feb 2020 15:45:01 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

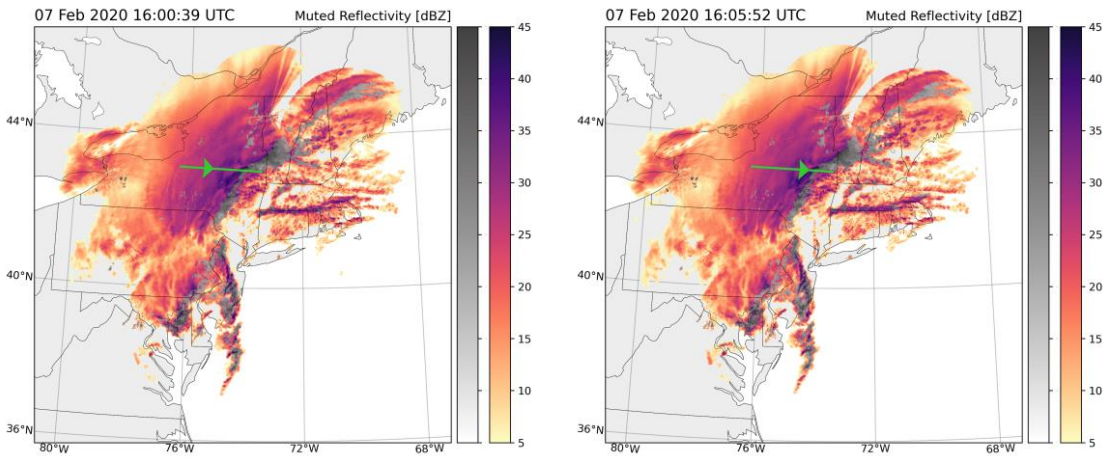

CRS 07 Feb 2020
15:29:50 to 15:50:23 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →
2.0
1.5
1.0
0.5
0.0

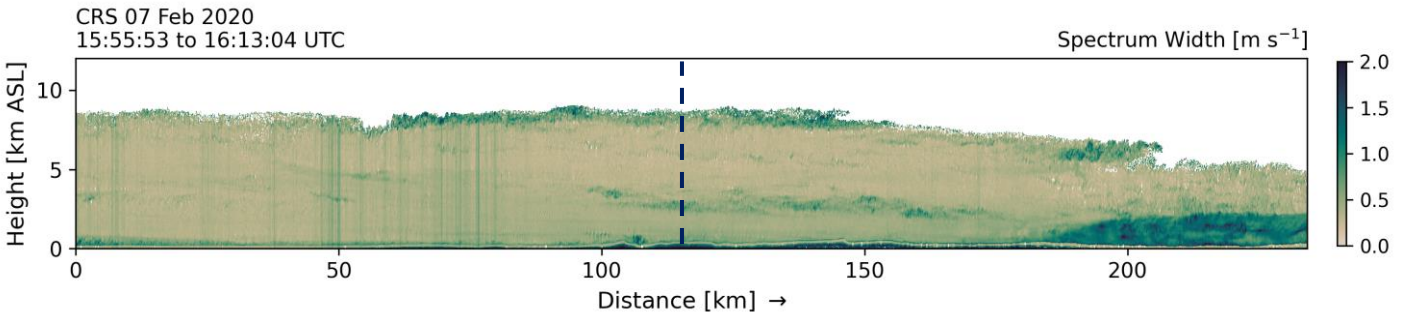

CRS 07 Feb 2020
15:29:50 to 15:50:23 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

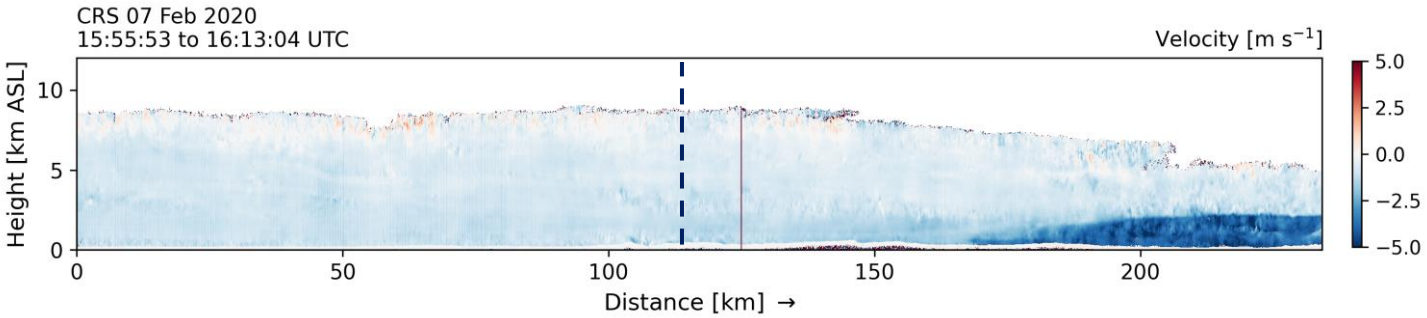

CRS 07 Feb 2020
15:29:50 to 15:50:23 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

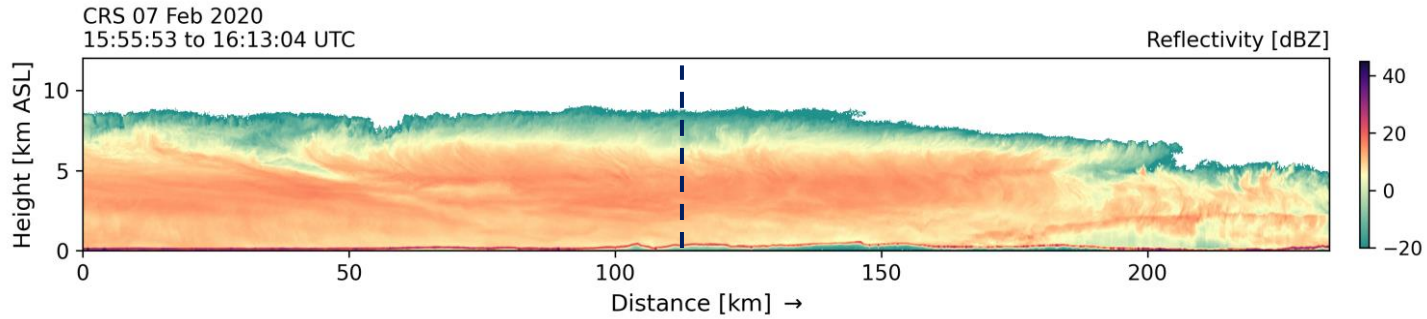

CRS 07 Feb 2020
15:29:50 to 15:50:23 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

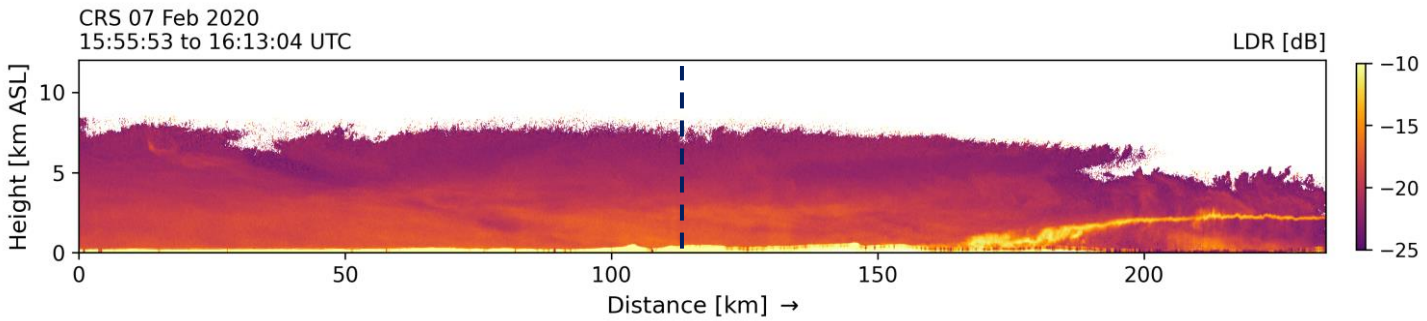

EXRAD 07 Feb 2020 15:29:50 to 15:50:23 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

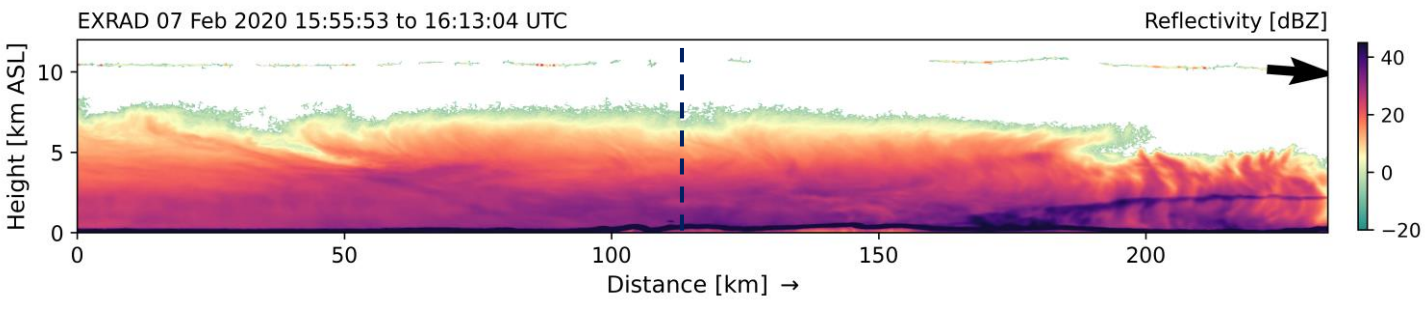

07 Feb 2020 16:00:39 UTC
Muted Reflectivity [dBZ]
07 Feb 2020 16:05:52 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

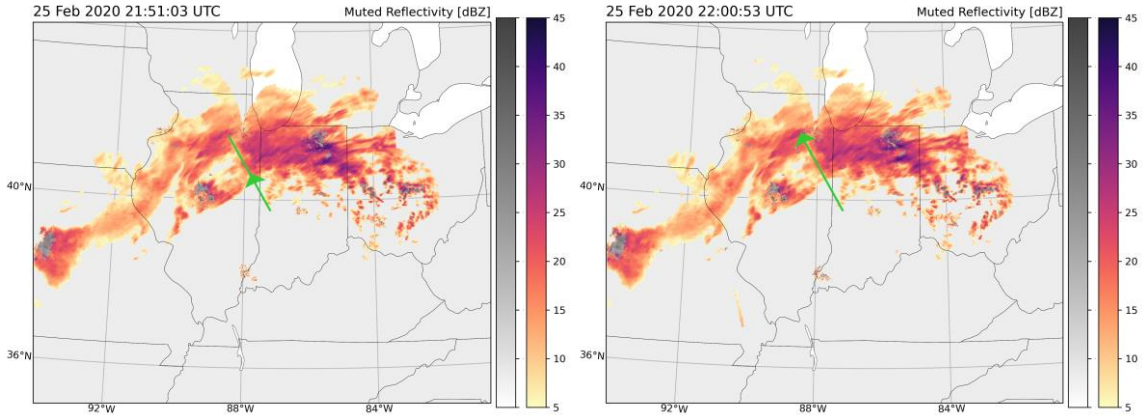

CRS 07 Feb 2020
15:55:53 to 16:13:04 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →
2.0
1.5
1.0
0.5
0.0

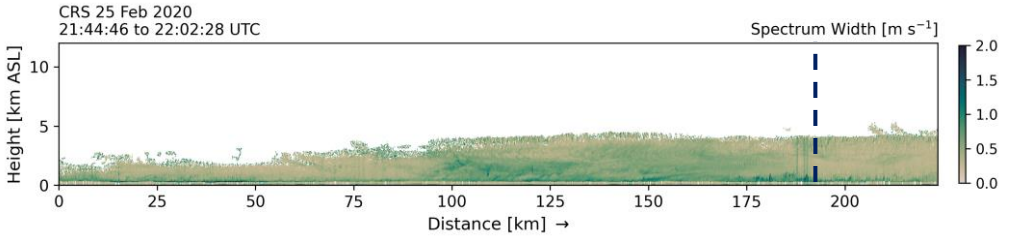

CRS 07 Feb 2020
15:55:53 to 16:13:04 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

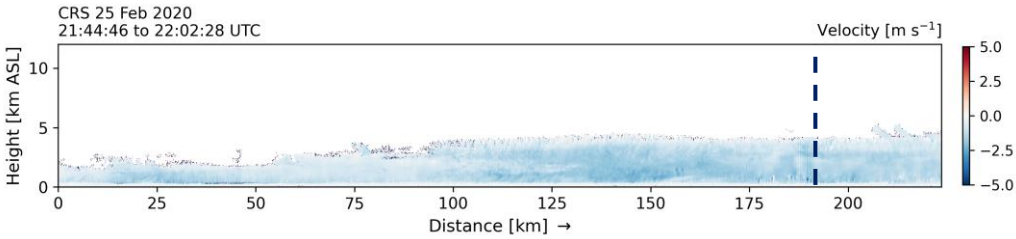

CRS 07 Feb 2020
15:55:53 to 16:13:04 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

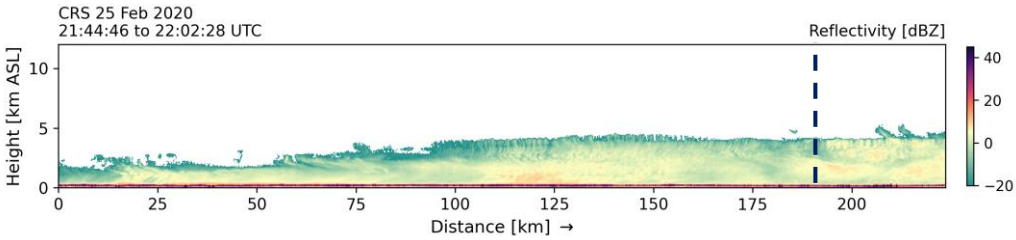

CRS 07 Feb 2020
15:55:53 to 16:13:04 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

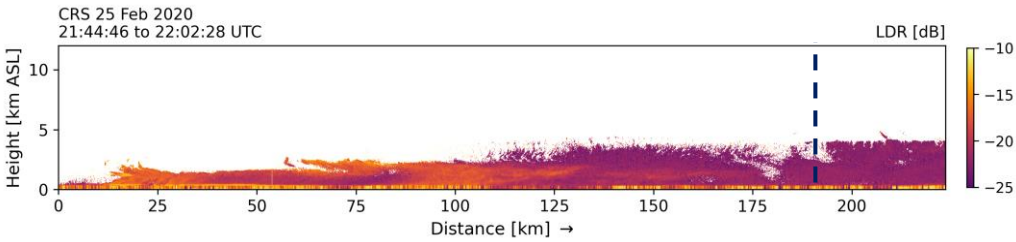

EXRAD 07 Feb 2020 15:55:53 to 16:13:04 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

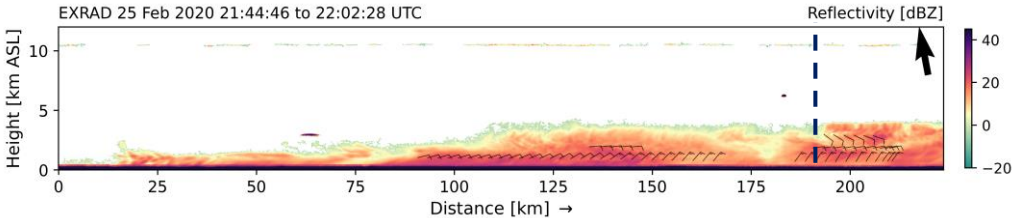

25 Feb 2020 21:51:03 UTC
Muted Reflectivity [dBZ]
25 Feb 2020 22:00:53 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W

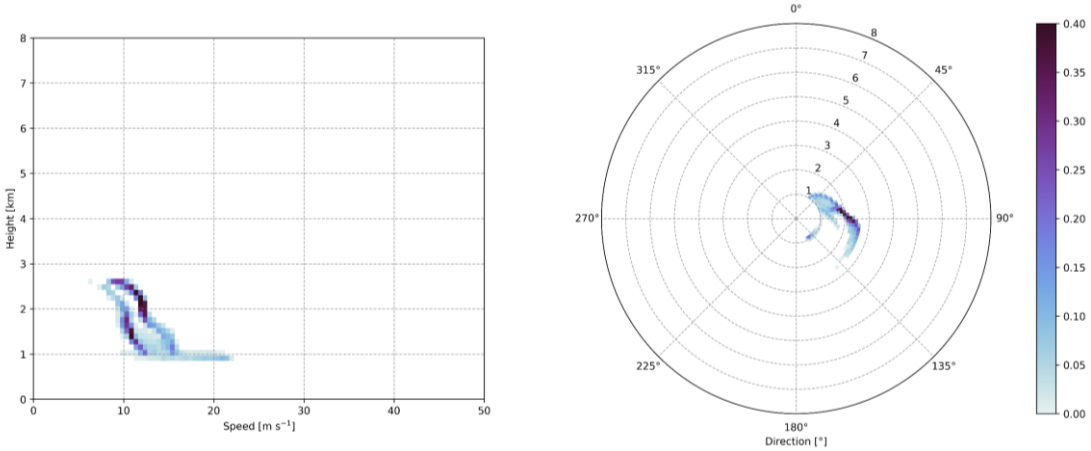

CRS 25 Feb 2020
21:44:46 to 22:02:28 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

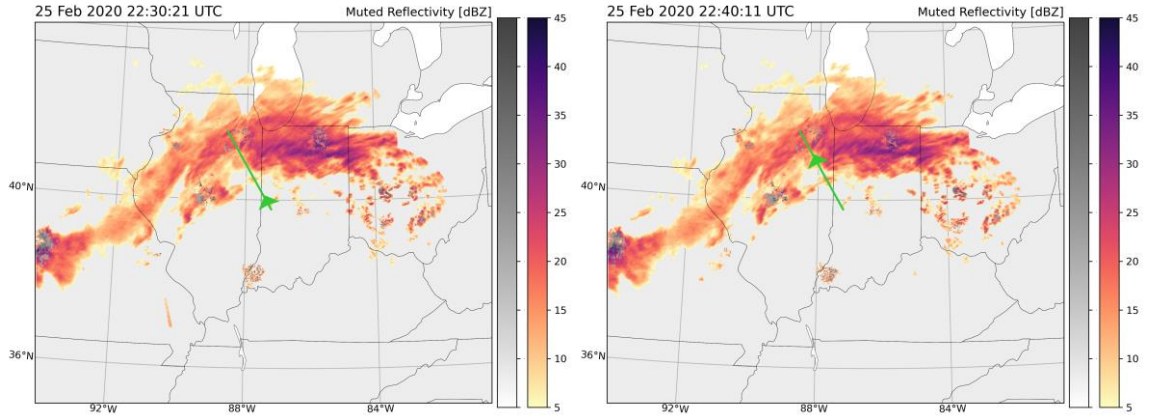

CRS 25 Feb 2020
21:44:46 to 22:02:28 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

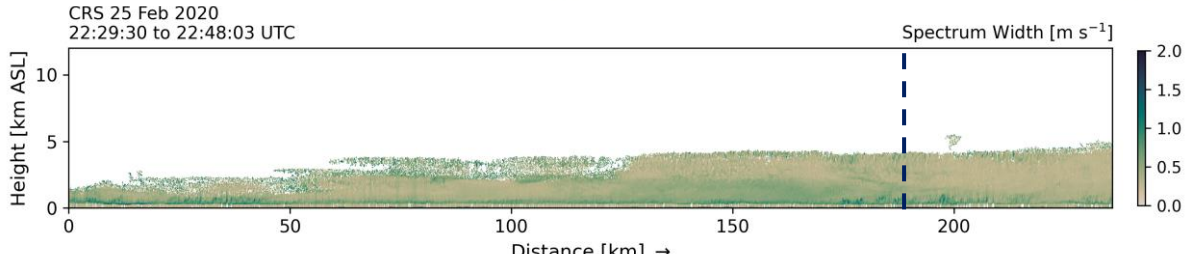

CRS 25 Feb 2020
21:44:46 to 22:02:28 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

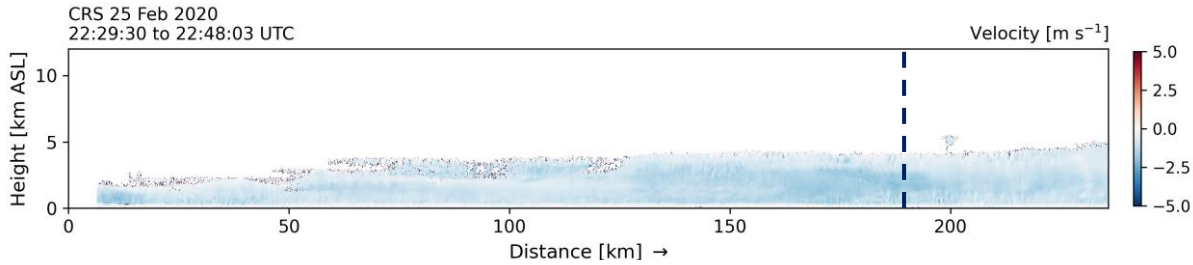

CRS 25 Feb 2020
21:44:46 to 22:02:28 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

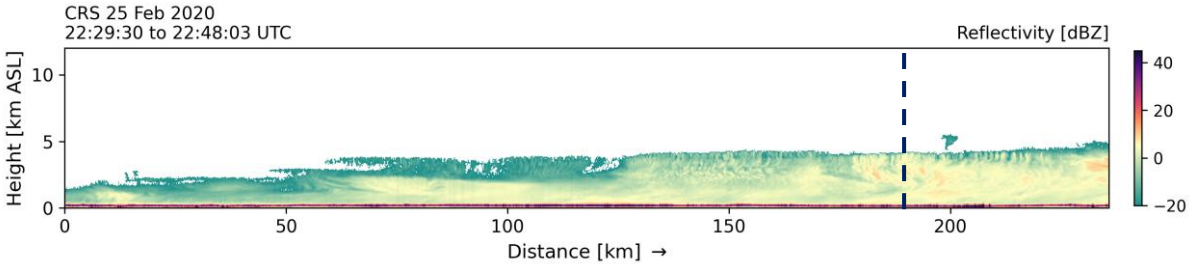

EXRAD 25 Feb 2020 21:44:46 to 22:02:28 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

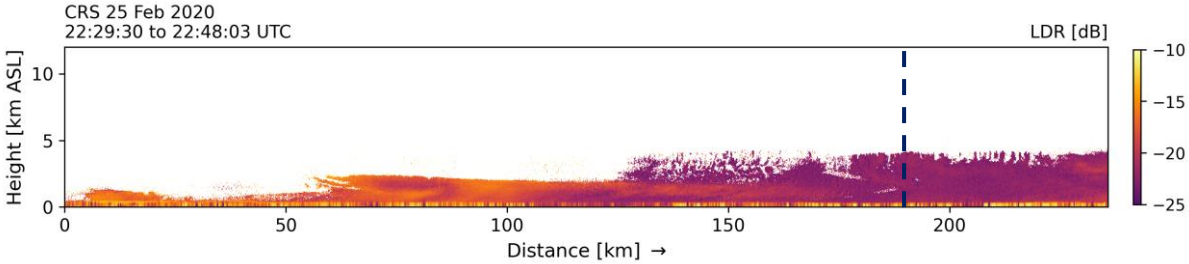

Height [km]
Speed [m s$^{-1}$]
Direction [°]

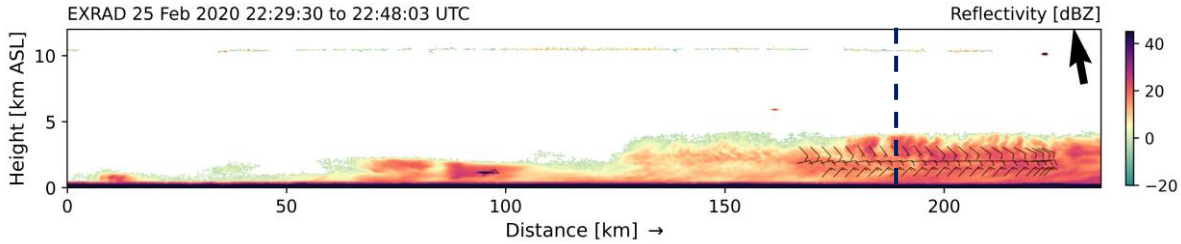

25 Feb 2020 22:30:21 UTC
Muted Reflectivity [dBZ]
25 Feb 2020 22:40:11 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W

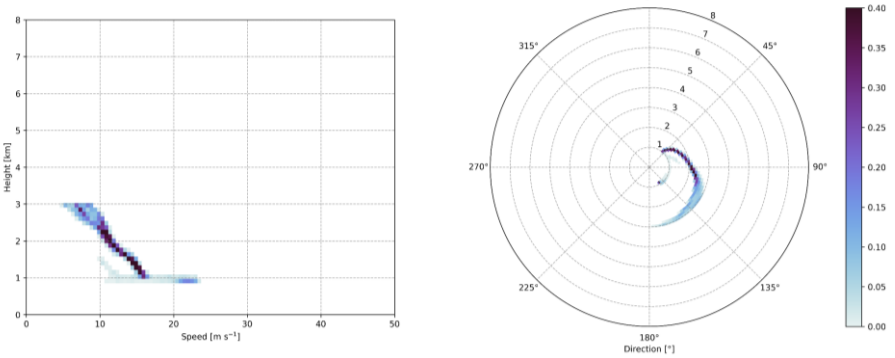

CRS 25 Feb 2020
22:29:30 to 22:48:03 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

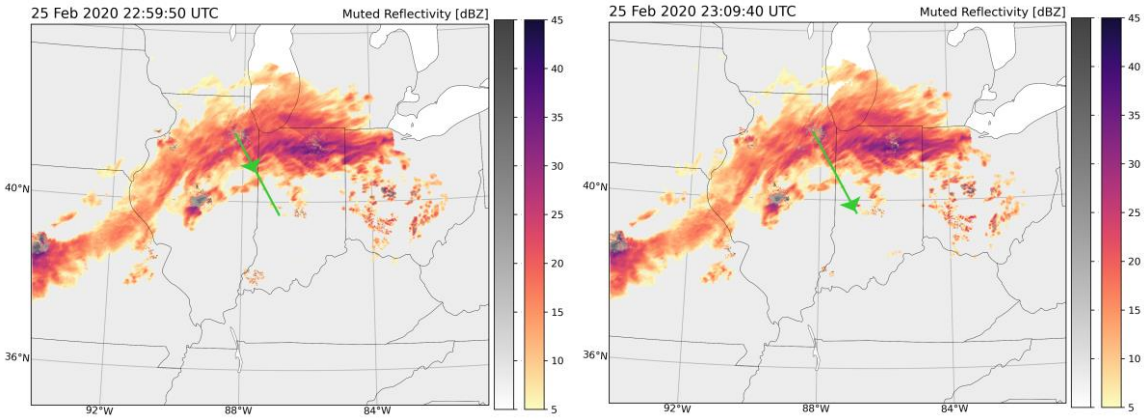

CRS 25 Feb 2020
22:29:30 to 22:48:03 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

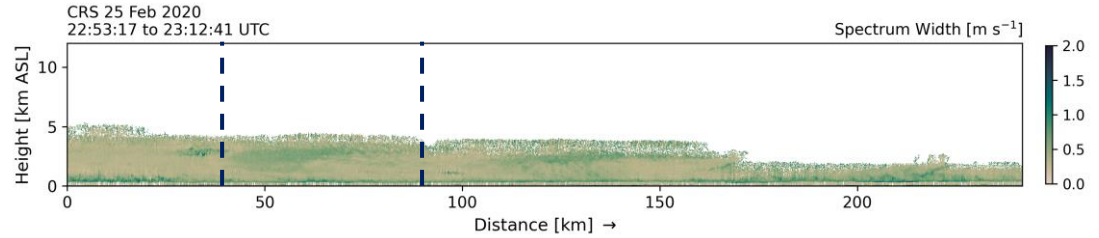

CRS 25 Feb 2020
22:29:30 to 22:48:03 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

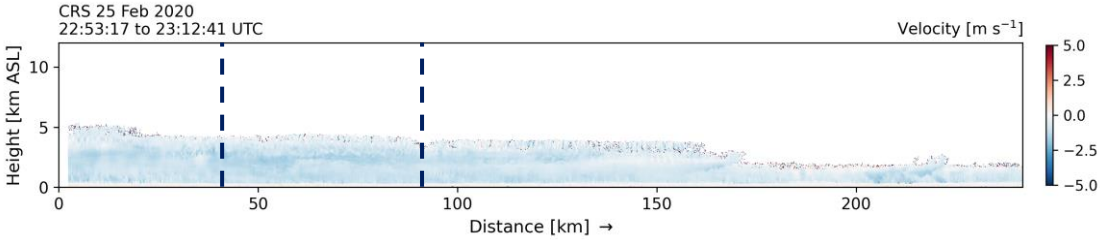

CRS 25 Feb 2020
22:29:30 to 22:48:03 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

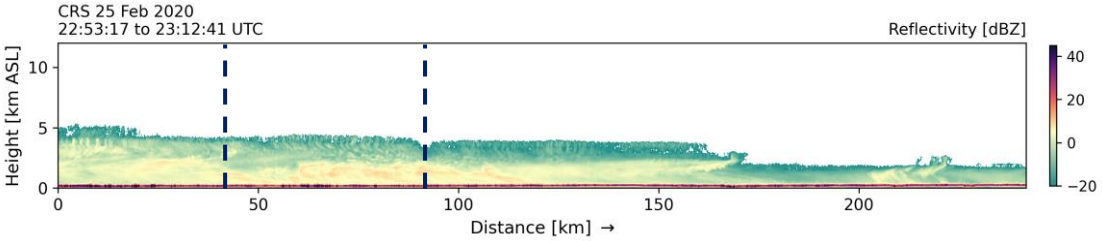

EXRAD 25 Feb 2020 22:29:30 to 22:48:03 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

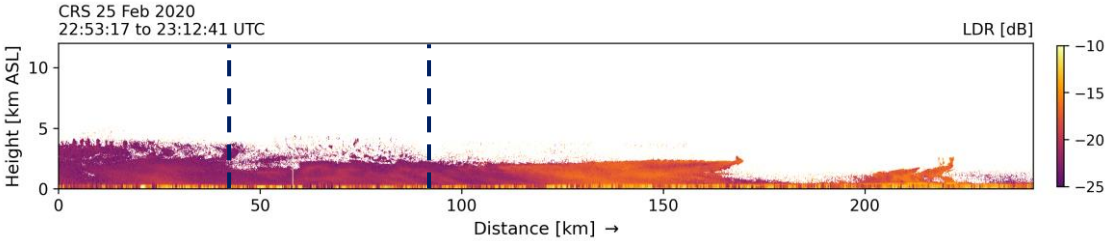

Height [km]
Speed [m s$^{-1}$]
Direction [°]

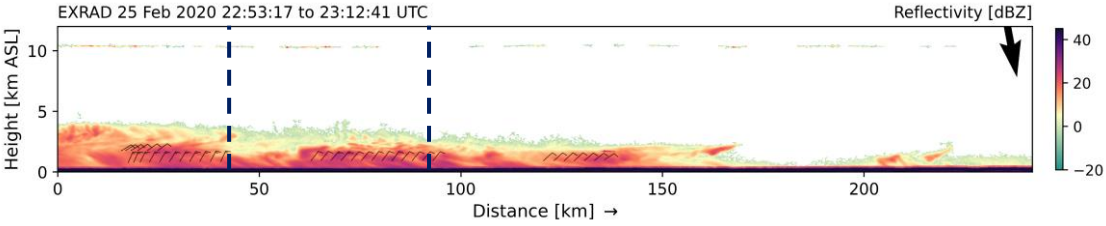

25 Feb 2020 22:59:50 UTC
Muted Reflectivity [dBZ]
25 Feb 2020 23:09:40 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W

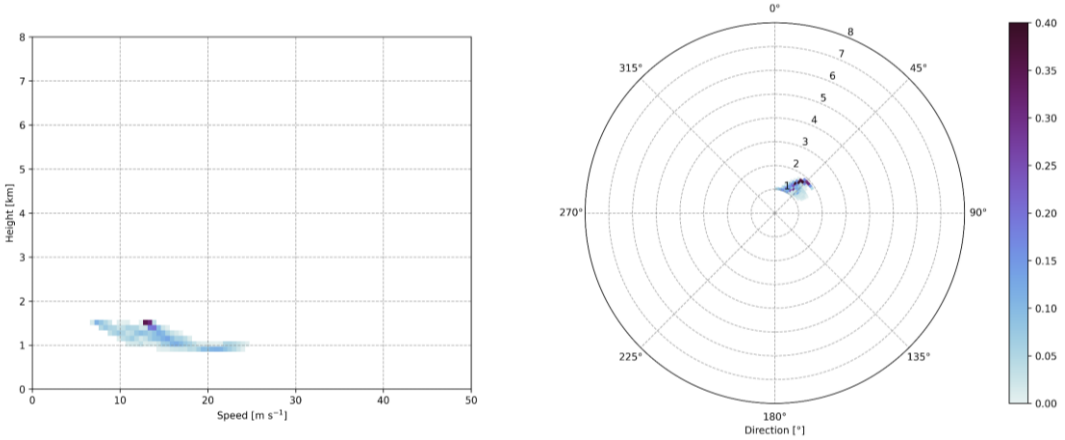

CRS 25 Feb 2020
22:53:17 to 23:12:41 UTC
Spectrum Width [m s⁻¹]
Height [km ASL]
Distance [km] →

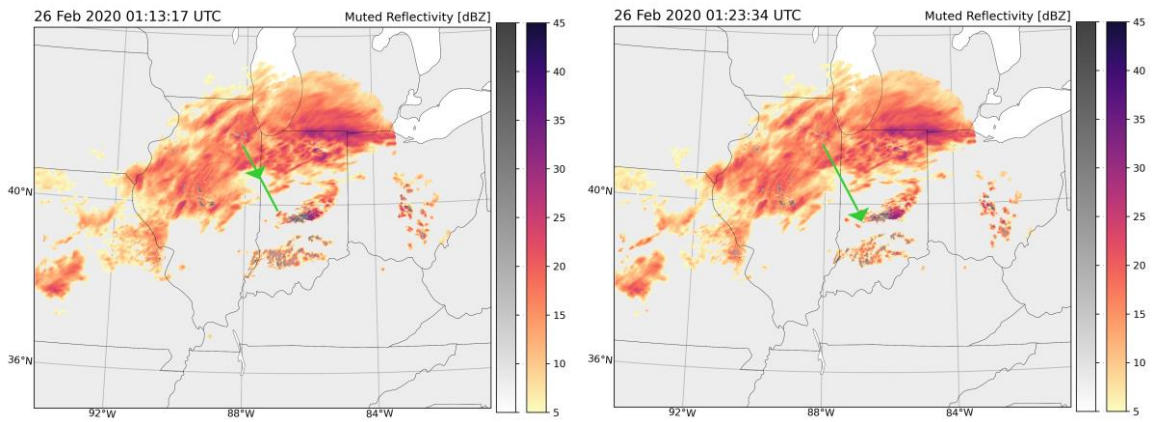

CRS 25 Feb 2020
22:53:17 to 23:12:41 UTC
Velocity [m s⁻¹]
Height [km ASL]
Distance [km] →

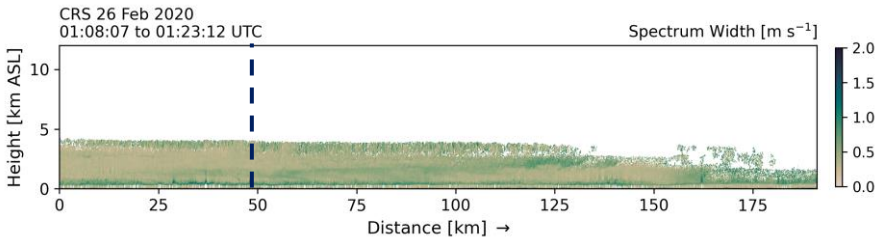

CRS 25 Feb 2020
22:53:17 to 23:12:41 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

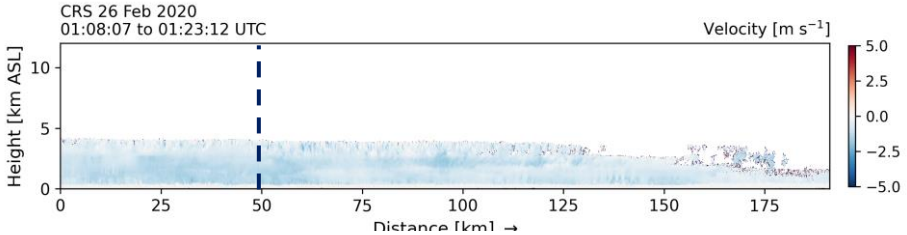

CRS 25 Feb 2020
22:53:17 to 23:12:41 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

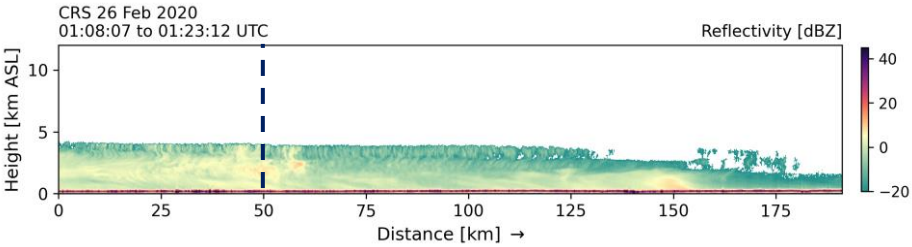

EXRAD 25 Feb 2020 22:53:17 to 23:12:41 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

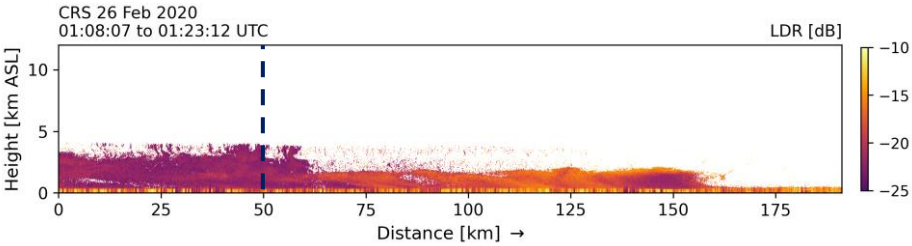

Height [km]
Speed [m s⁻¹]
Direction [°]

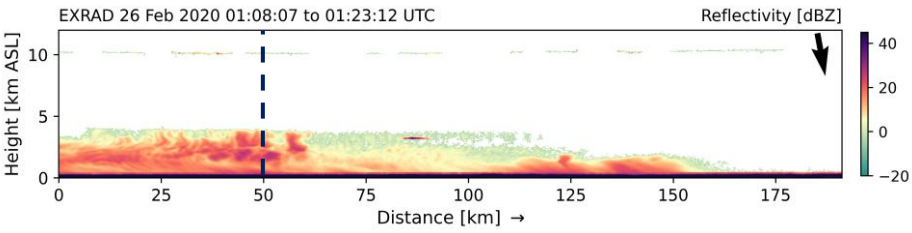

26 Feb 2020 01:13:17 UTC
Muted Reflectivity [dBZ]
26 Feb 2020 01:23:34 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W

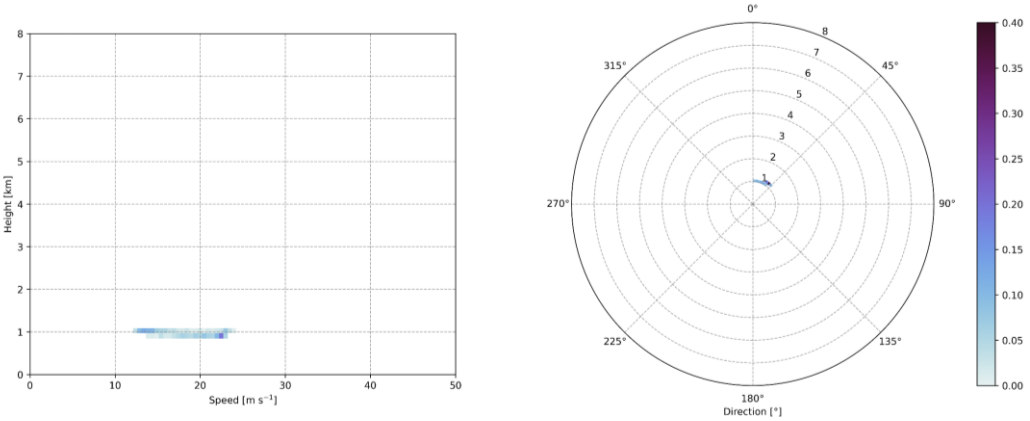

CRS 26 Feb 2020
01:08:07 to 01:23:12 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

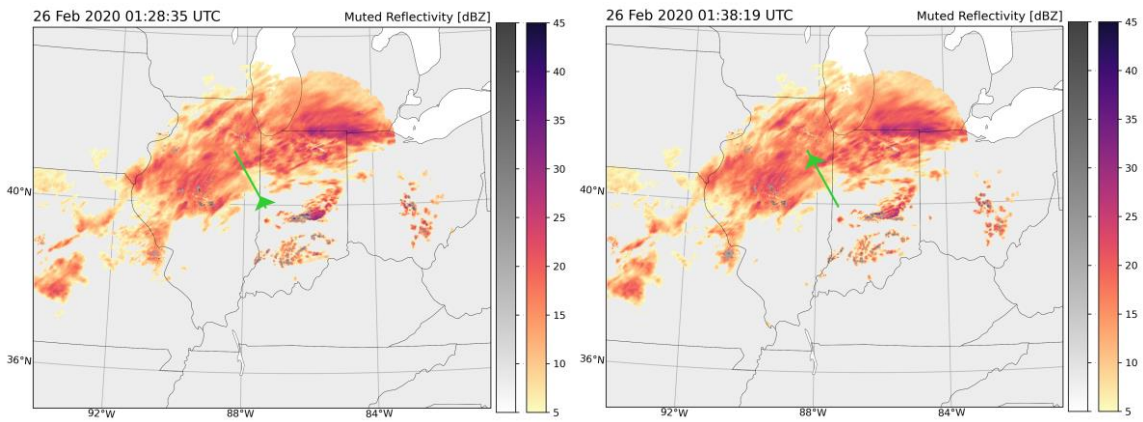

CRS 26 Feb 2020
01:08:07 to 01:23:12 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

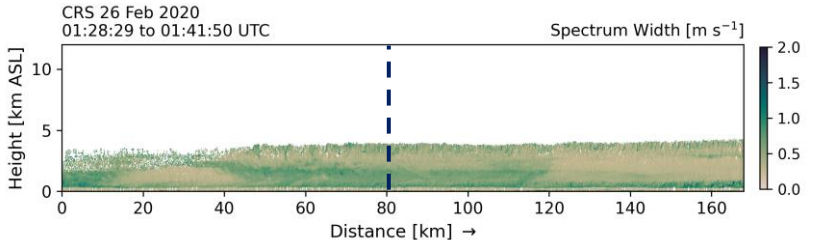

CRS 26 Feb 2020
01:08:07 to 01:23:12 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

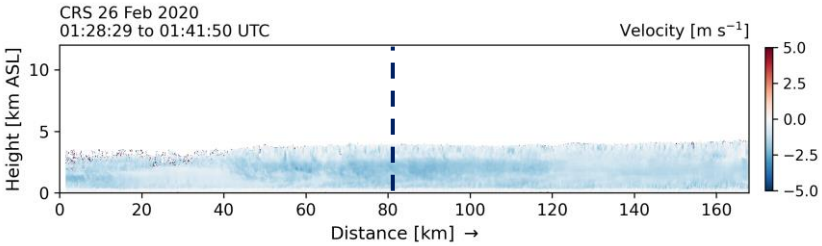

CRS 26 Feb 2020
01:08:07 to 01:23:12 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

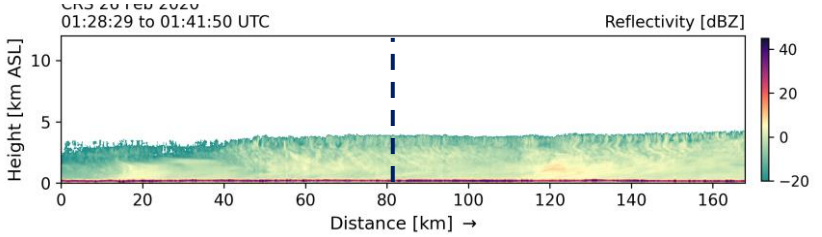

EXRAD 26 Feb 2020 01:08:07 to 01:23:12 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

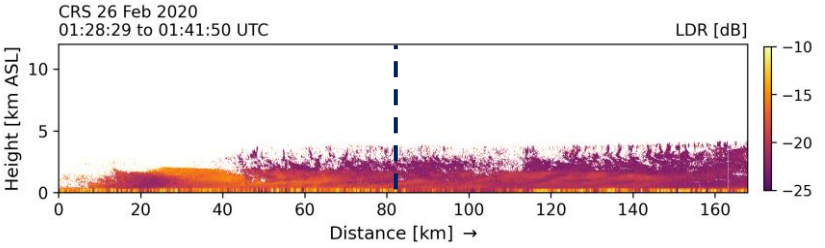

Height [km]
Speed [m s$^{-1}$]
Direction [°]

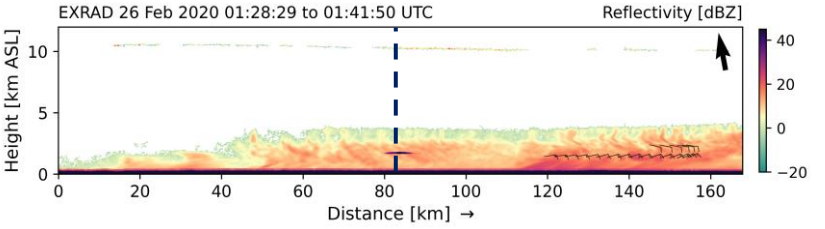

26 Feb 2020 01:28:35 UTC
Muted Reflectivity [dBZ]
26 Feb 2020 01:38:19 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W

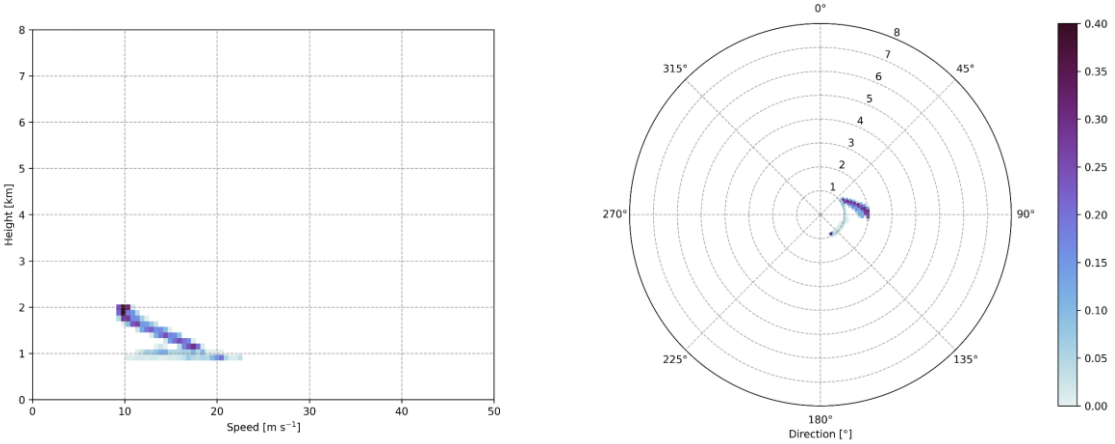

CRS 26 Feb 2020
01:28:29 to 01:41:50 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

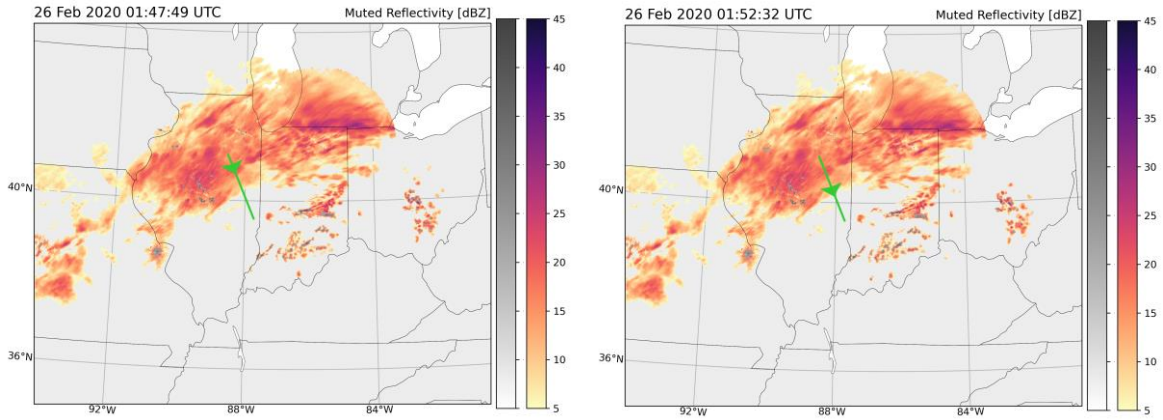

CRS 26 Feb 2020
01:28:29 to 01:41:50 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

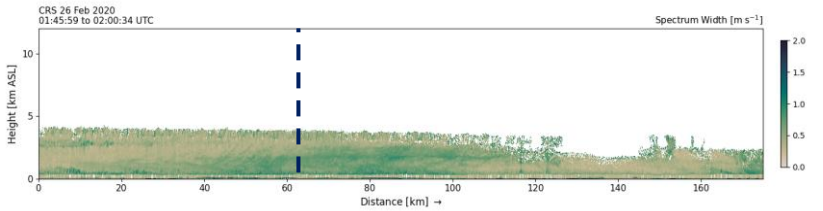

01:28:29 to 01:41:50 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

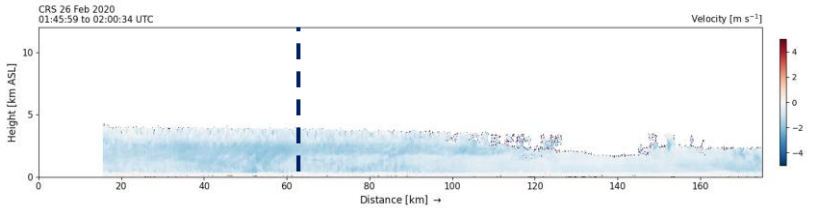

CRS 26 Feb 2020
01:28:29 to 01:41:50 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

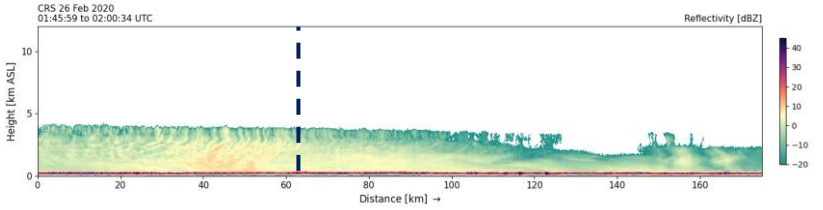

EXRAD 26 Feb 2020 01:28:29 to 01:41:50 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

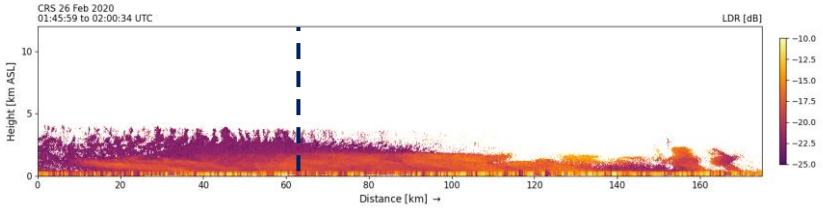

Height [km]
Speed [m s$^{-1}$]
Direction [°]

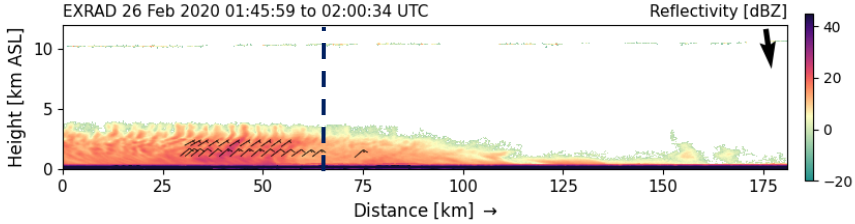

26 Feb 2020 01:47:49 UTC
Muted Reflectivity [dBZ]
26 Feb 2020 01:52:32 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W

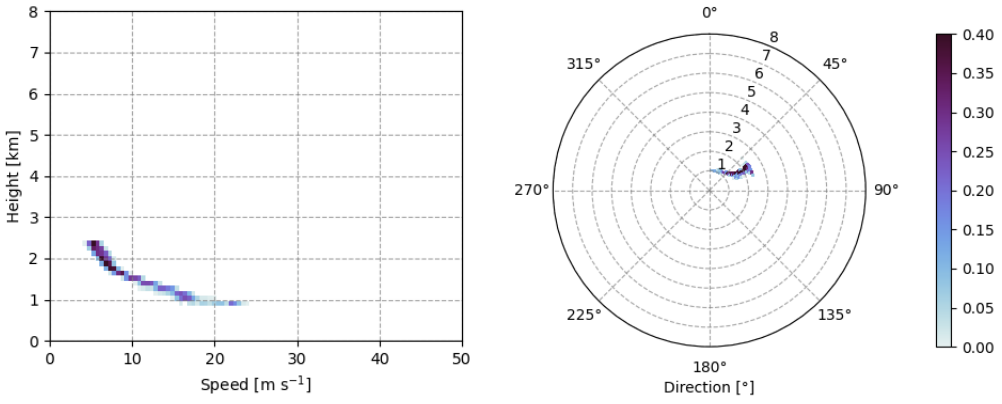

CRS 26 Feb 2020
01:45:59 to 02:00:34 UTC
Spectrum Width [m s⁻¹]
Height [km ASL]
Distance [km] →

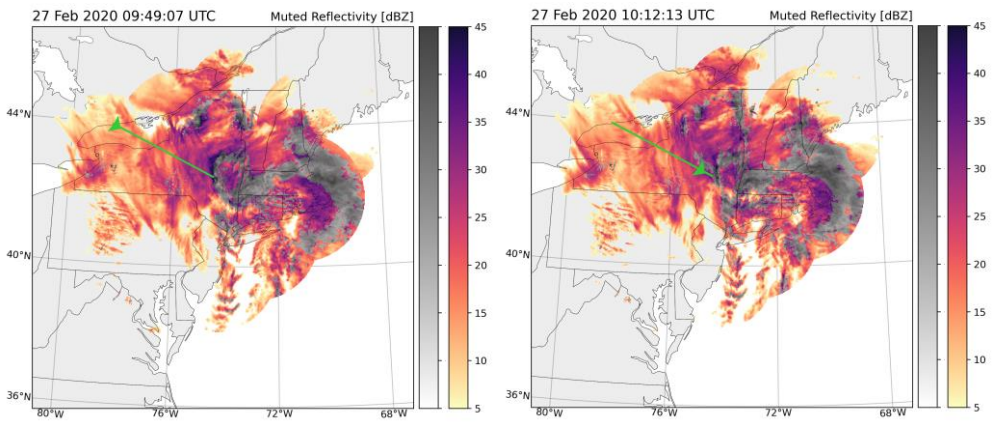

CRS 26 Feb 2020
01:45:59 to 02:00:34 UTC
Velocity [m s⁻¹]
Height [km ASL]
Distance [km] →

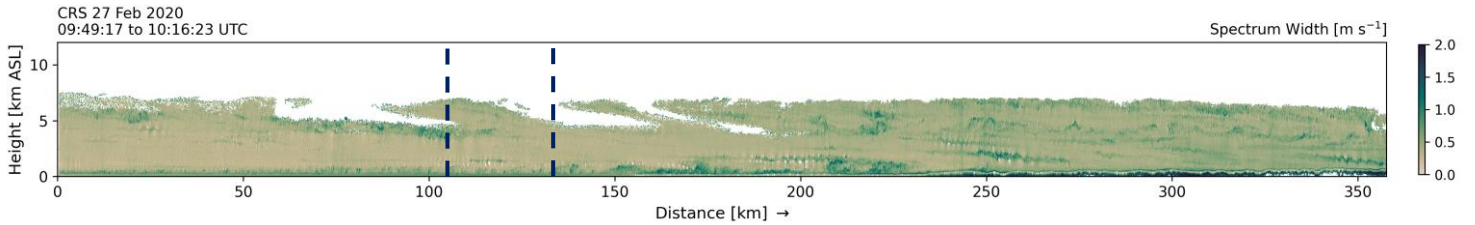

CRS 26 Feb 2020
01:45:59 to 02:00:34 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

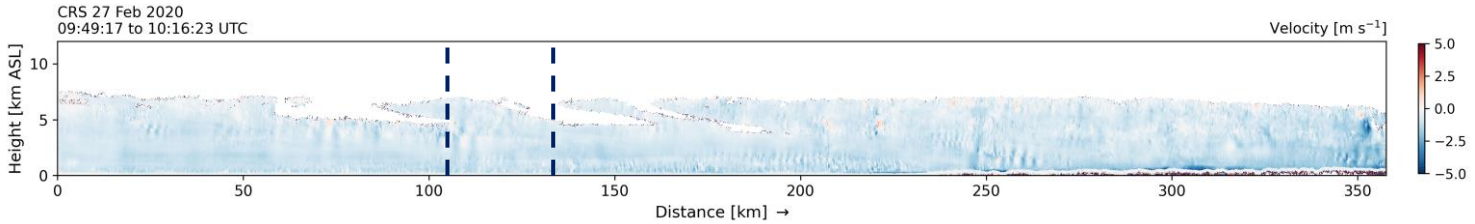

CRS 26 Feb 2020
01:45:59 to 02:00:34 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

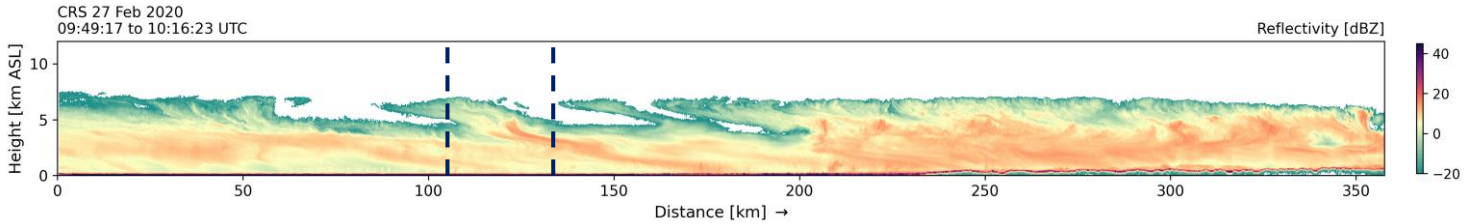

EXRAD 26 Feb 2020 01:45:59 to 02:00:34 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

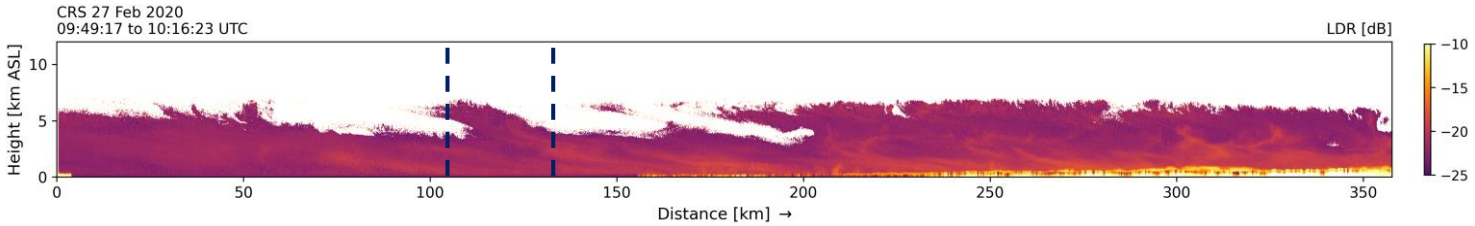

Height [km]
Speed [m s⁻¹]
0°
45°
90°
135°
180°
225°
270°
315°
Direction [°]

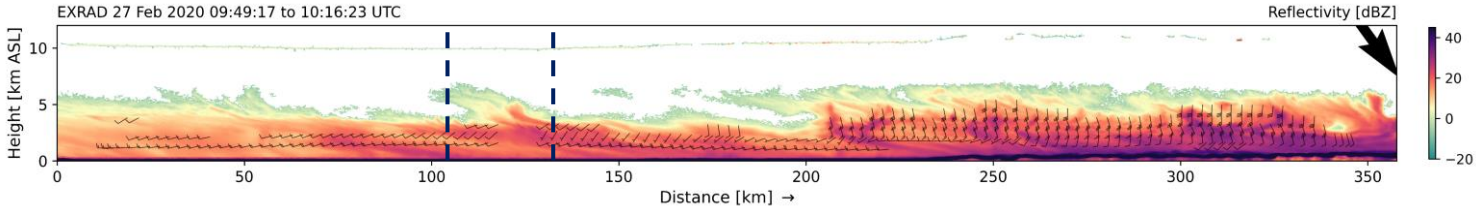

27 Feb 2020 09:49:07 UTC
Muted Reflectivity [dBZ]
27 Feb 2020 10:12:13 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W

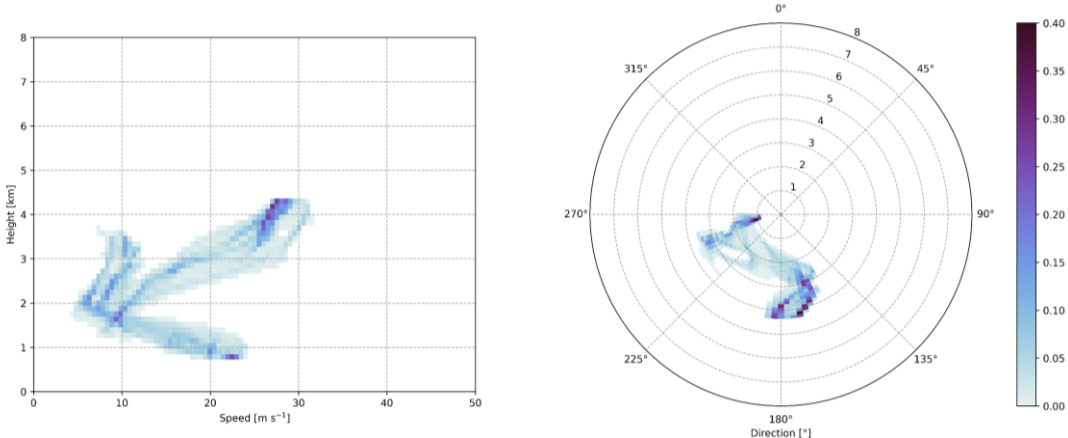

CRS 27 Feb 2020
09:49:17 to 10:16:23 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

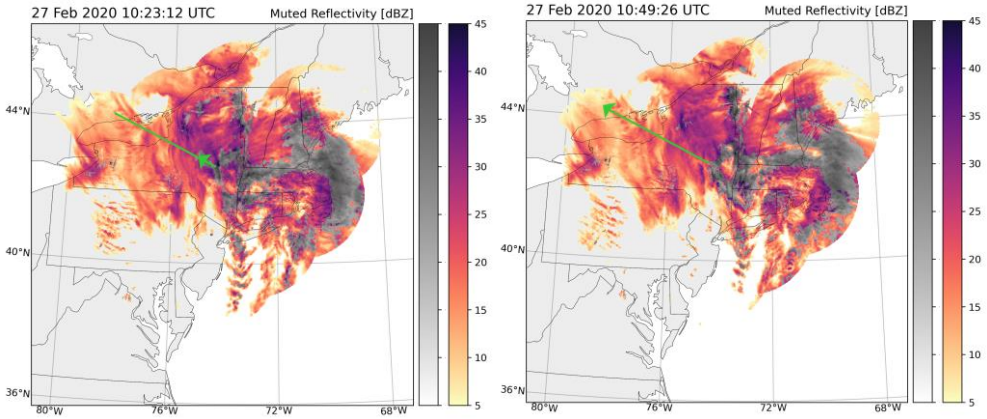

CRS 27 Feb 2020
09:49:17 to 10:16:23 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

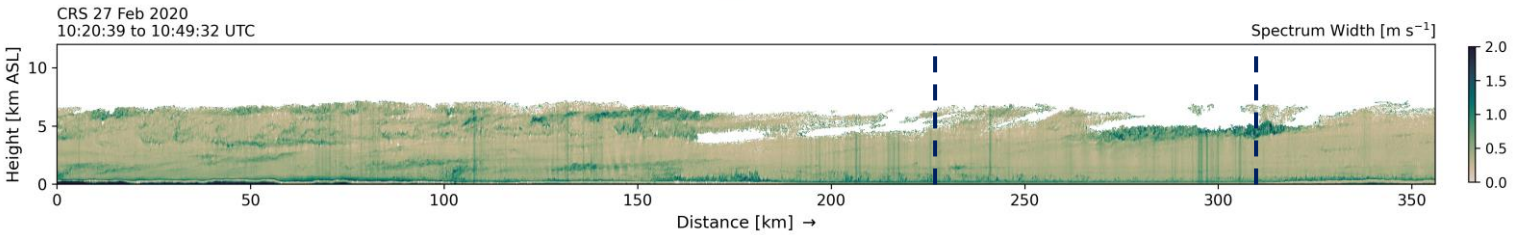

CRS 27 Feb 2020
09:49:17 to 10:16:23 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

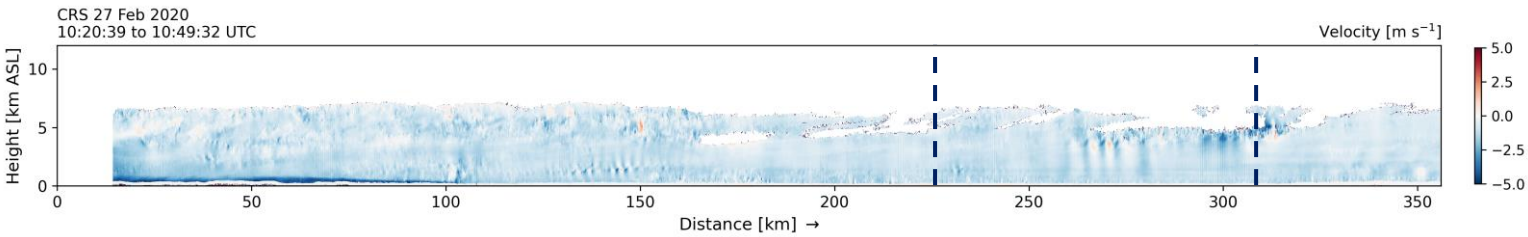

CRS 27 Feb 2020
09:49:17 to 10:16:23 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

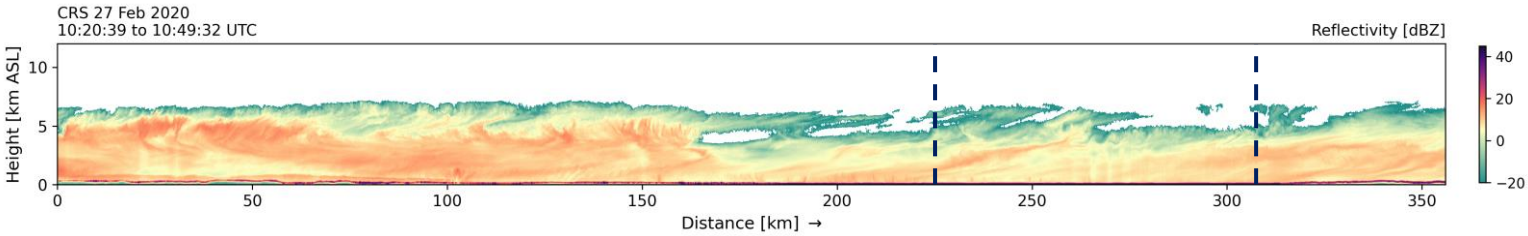

EXRAD 27 Feb 2020 09:49:17 to 10:16:23 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

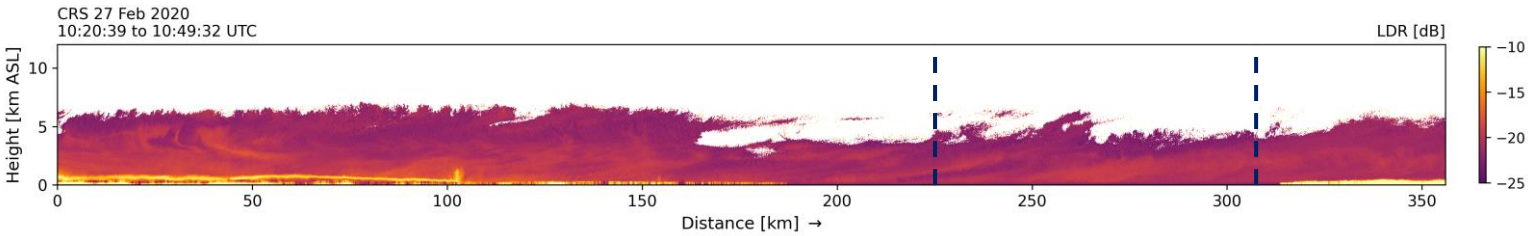

Height [km]
Speed [m s$^{-1}$]
Direction [°]

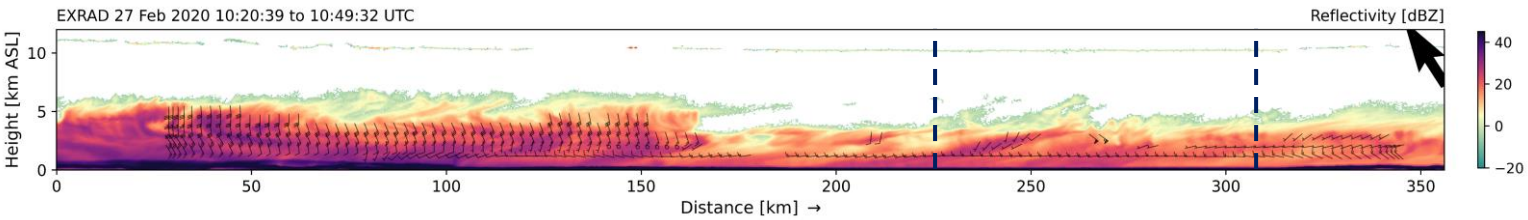

27 Feb 2020 10:23:12 UTC
Muted Reflectivity [dBZ]
27 Feb 2020 10:49:26 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W

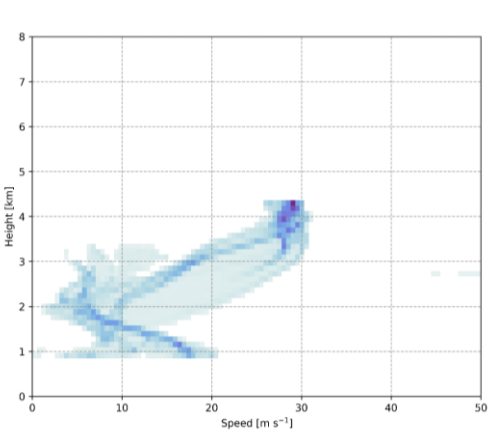

CRS 27 Feb 2020
10:20:39 to 10:49:32 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

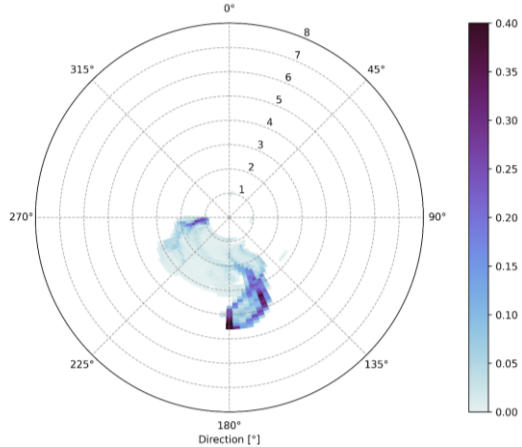

CRS 27 Feb 2020
10:20:39 to 10:49:32 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

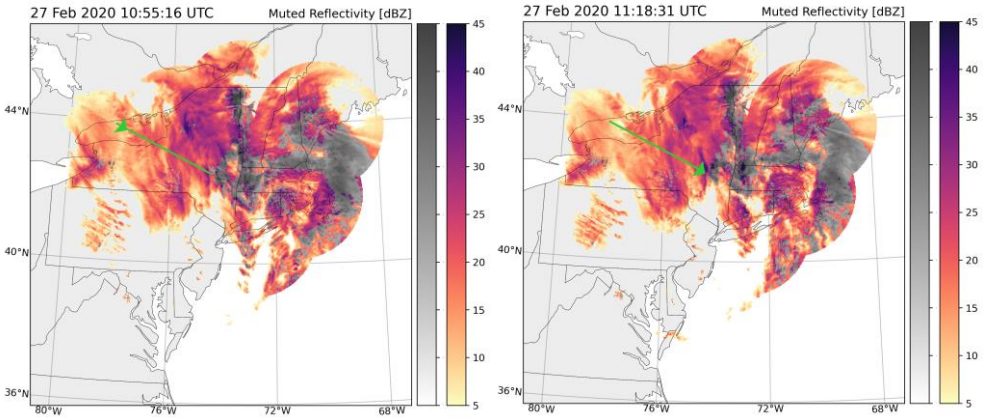

CRS 27 Feb 2020
10:20:39 to 10:49:32 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

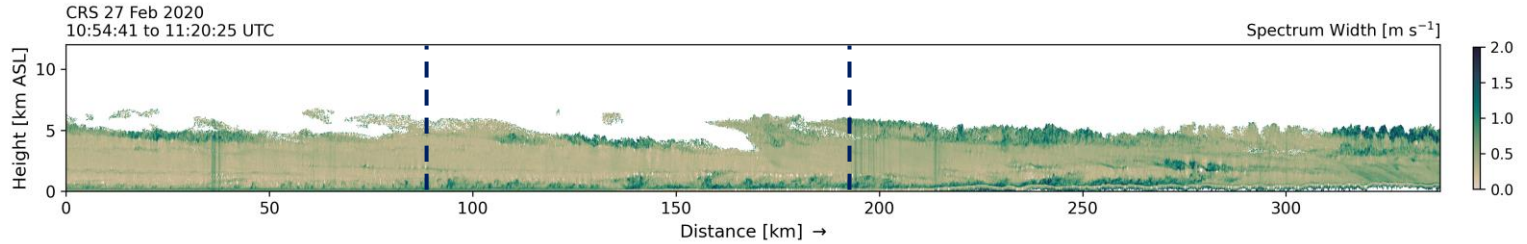

CRS 27 Feb 2020
10:20:39 to 10:49:32 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

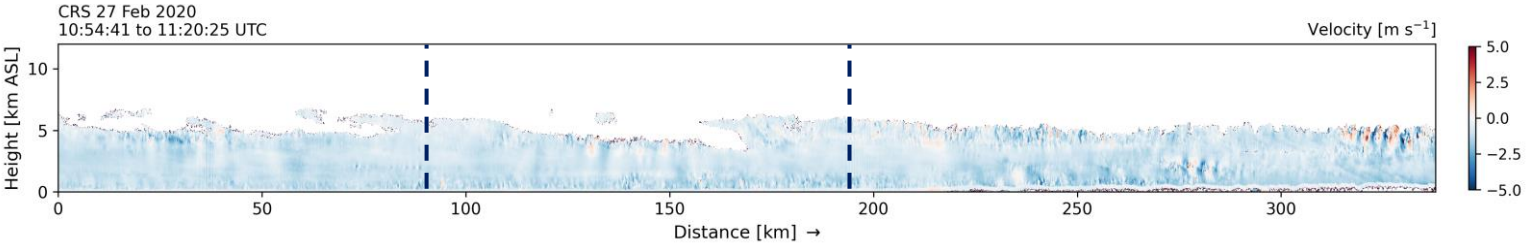

EXRAD 27 Feb 2020 10:20:39 to 10:49:32 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

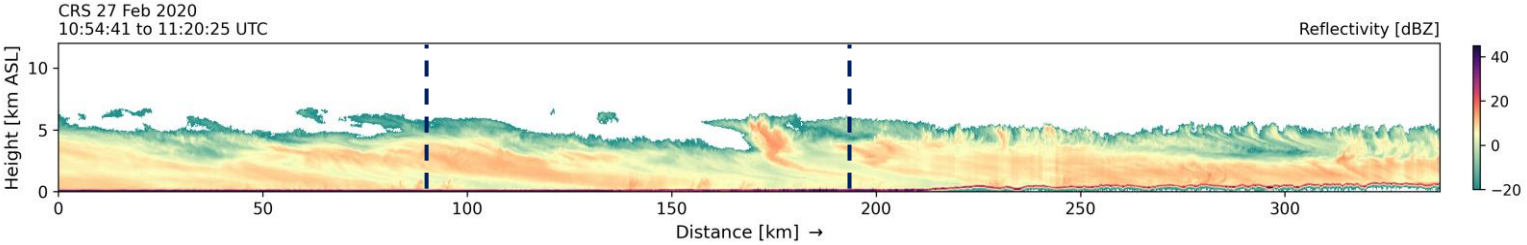

Height [km]
Speed [m s$^{-1}$]

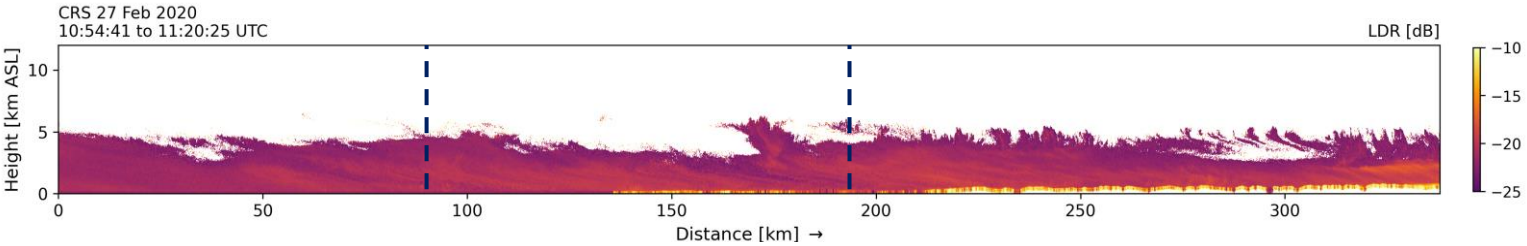

Direction [°]

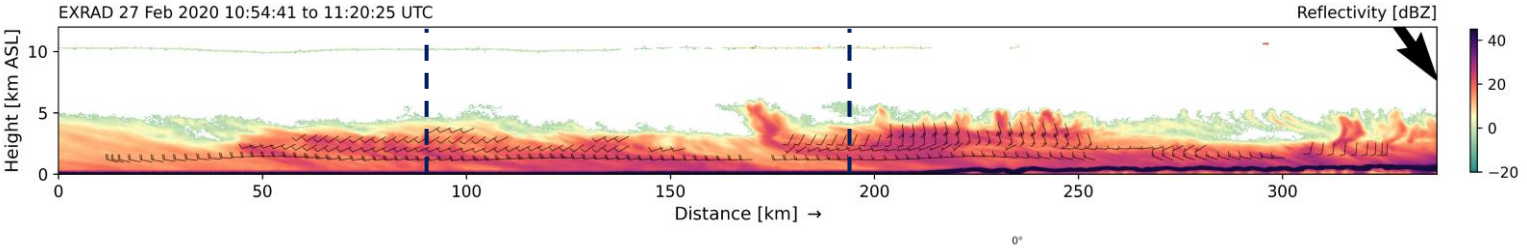

27 Feb 2020 10:55:16 UTC
Muted Reflectivity [dBZ]
27 Feb 2020 11:18:31 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W

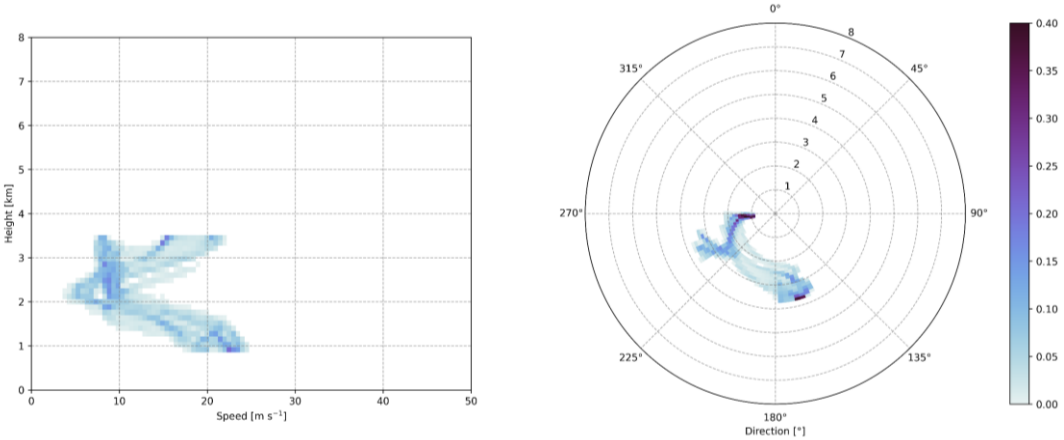

CRS 27 Feb 2020
10:54:41 to 11:20:25 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →


CRS 27 Feb 2020
10:54:41 to 11:20:25 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

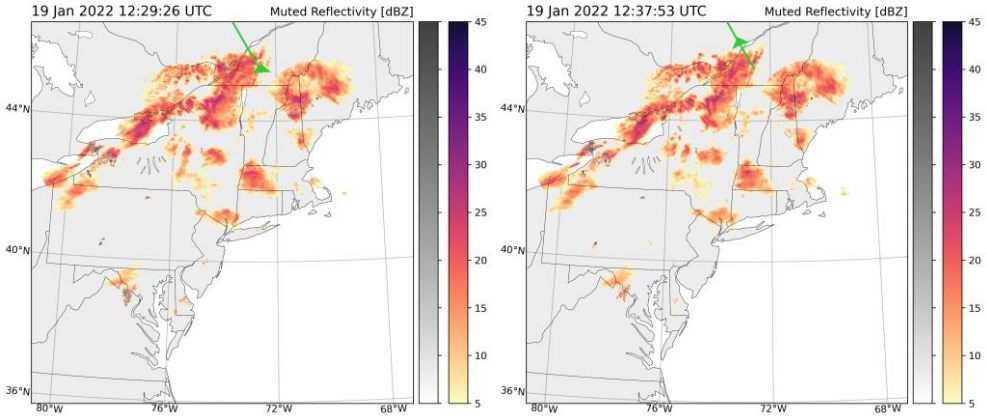

CRS 27 Feb 2020
10:54:41 to 11:20:25 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

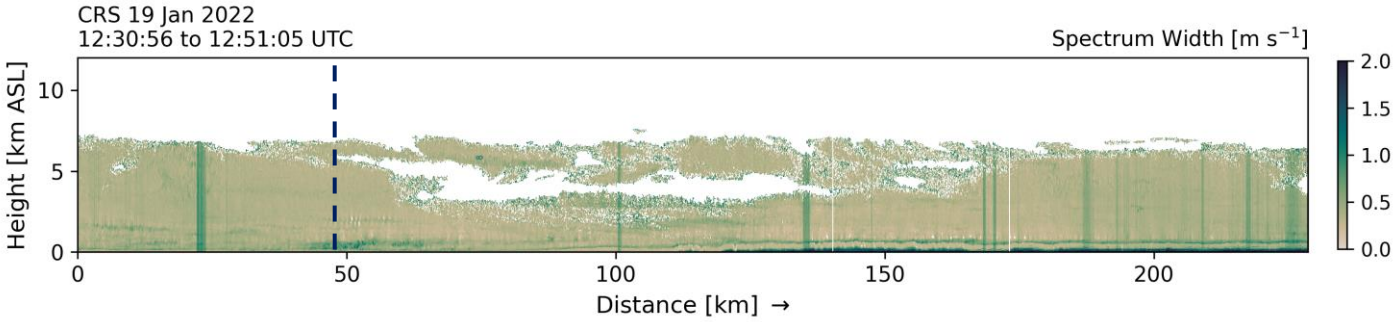

CRS 27 Feb 2020
10:54:41 to 11:20:25 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

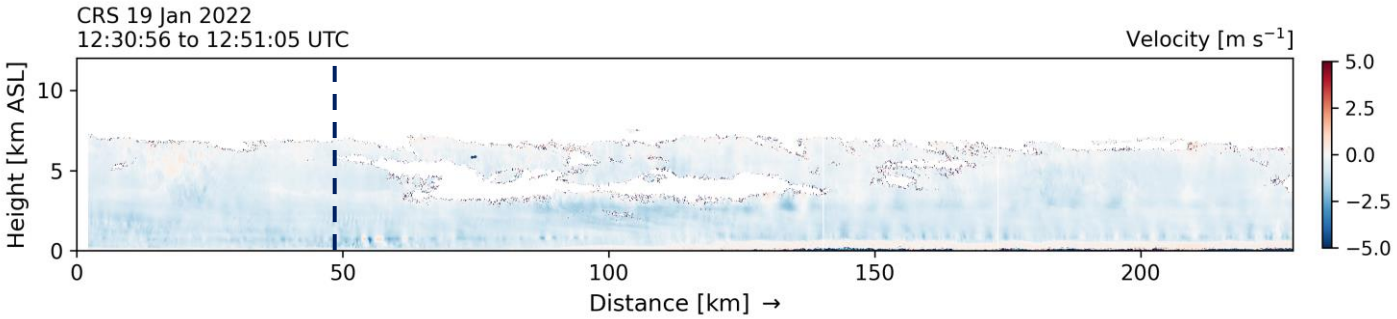

EXRAD 27 Feb 2020 10:54:41 to 11:20:25 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

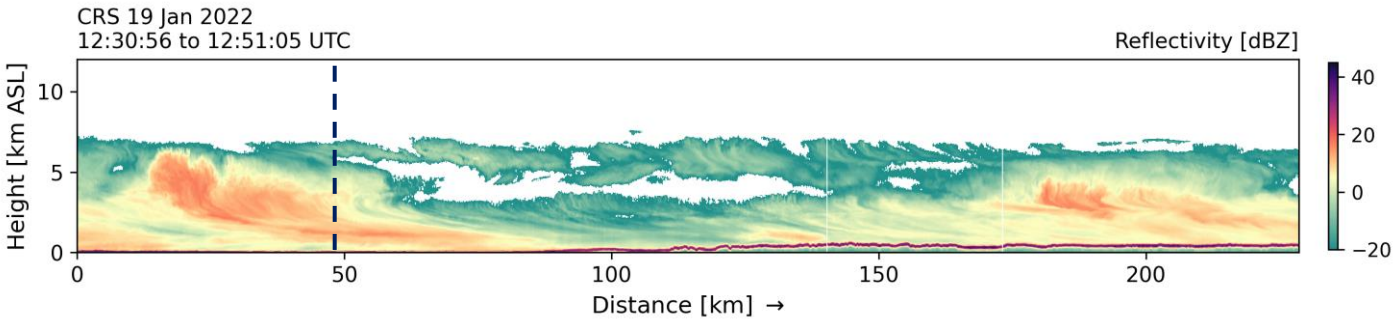

Height [km]
Speed [m s$^{-1}$]
Direction [°]

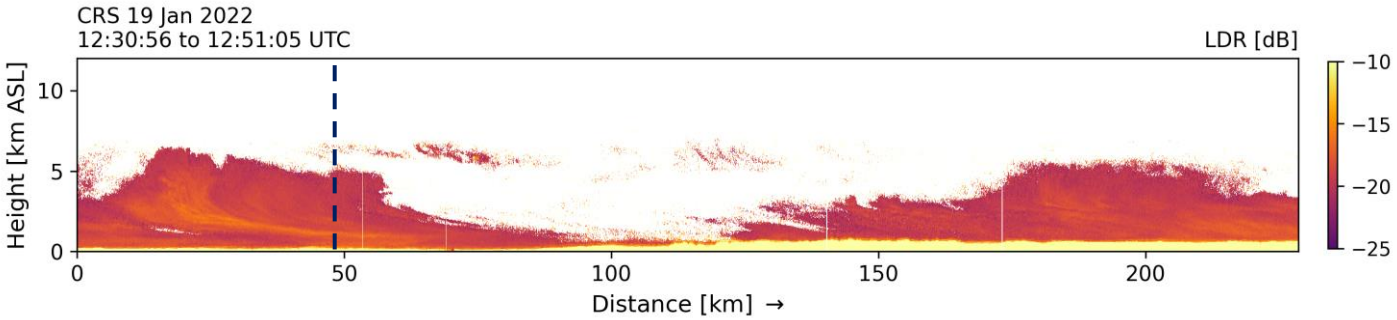
2022

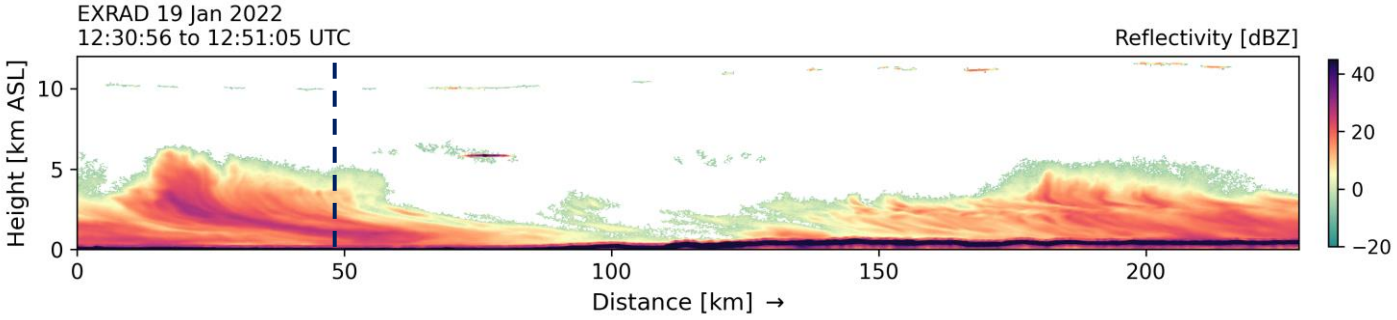

19 Jan 2022 12:29:26 UTC
Muted Reflectivity [dBZ]
19 Jan 2022 12:37:53 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

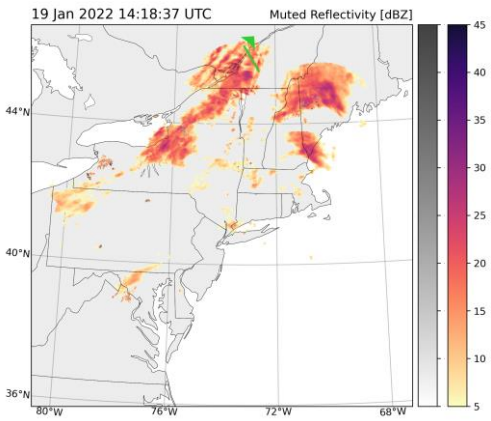

CRS 19 Jan 2022
12:30:56 to 12:51:05 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →
2.0
1.5
1.0
0.5
0.0

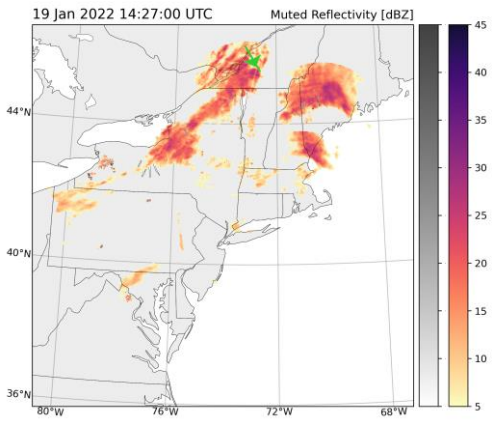

CRS 19 Jan 2022
12:30:56 to 12:51:05 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

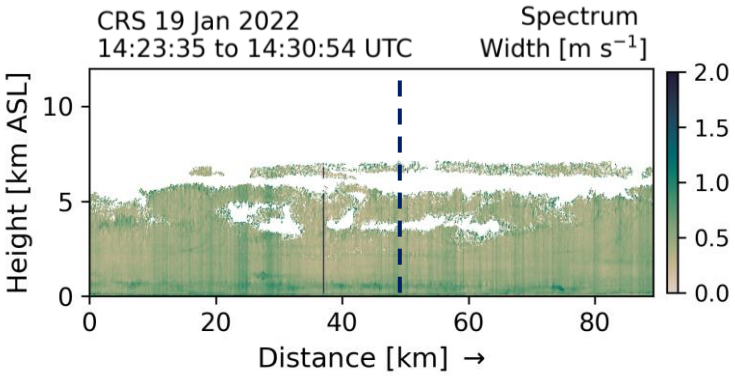

CRS 19 Jan 2022
12:30:56 to 12:51:05 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

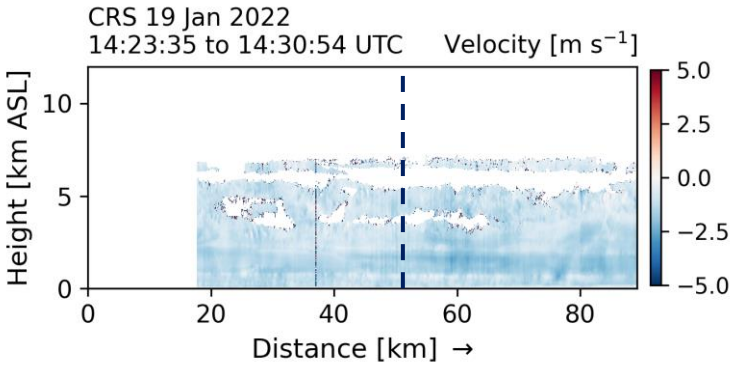

CRS 19 Jan 2022
12:30:56 to 12:51:05 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

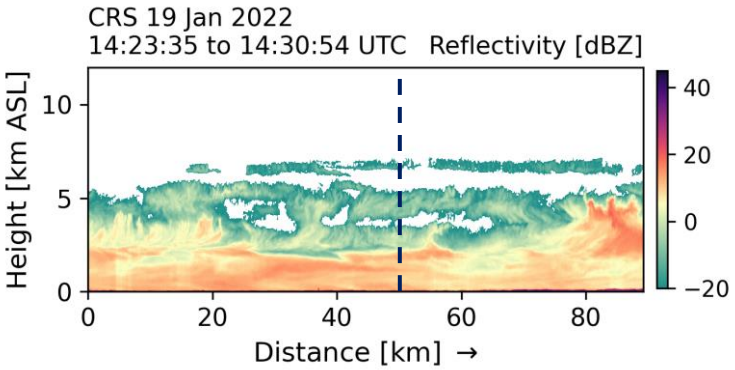

EXRAD 19 Jan 2022
12:30:56 to 12:51:05 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

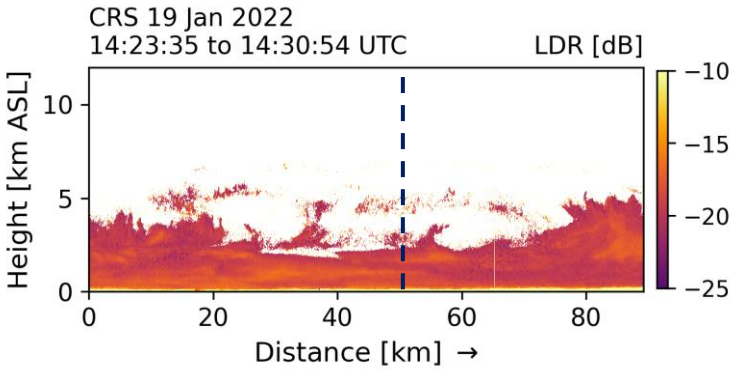

19 Jan 2022 14:18:37 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

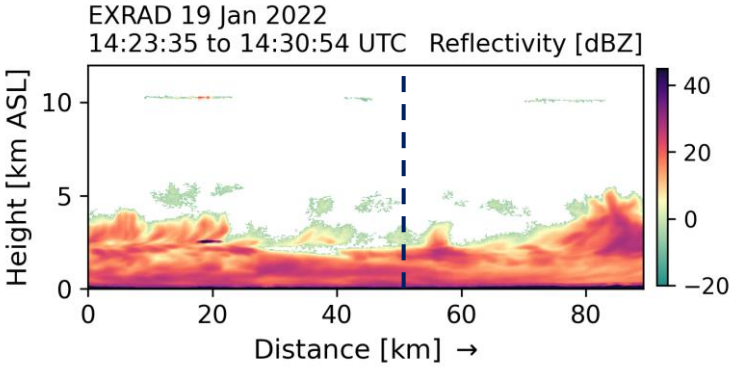

19 Jan 2022 14:27:00 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

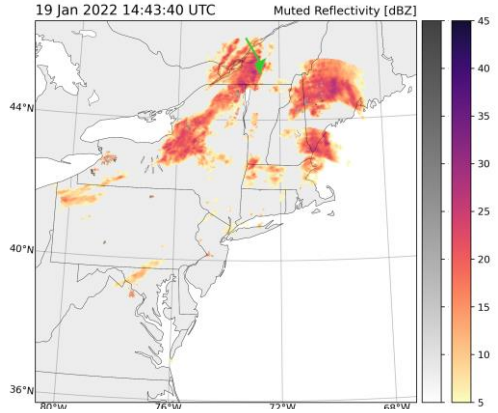

CRS 19 Jan 2022
14:23:35 to 14:30:54 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →
2.0
1.5
1.0
0.5
0.0

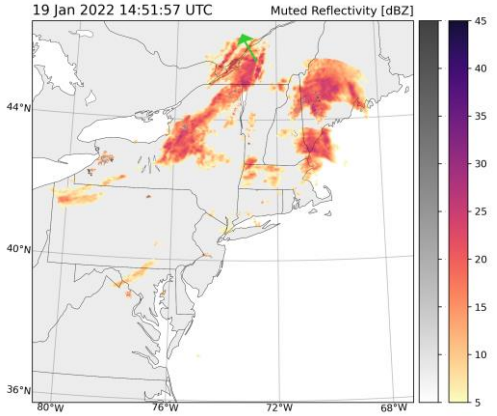

CRS 19 Jan 2022
14:23:35 to 14:30:54 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

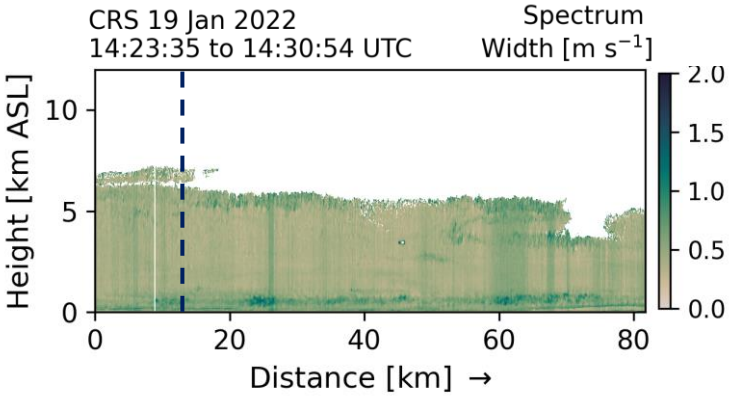

CRS 19 Jan 2022
14:23:35 to 14:30:54 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

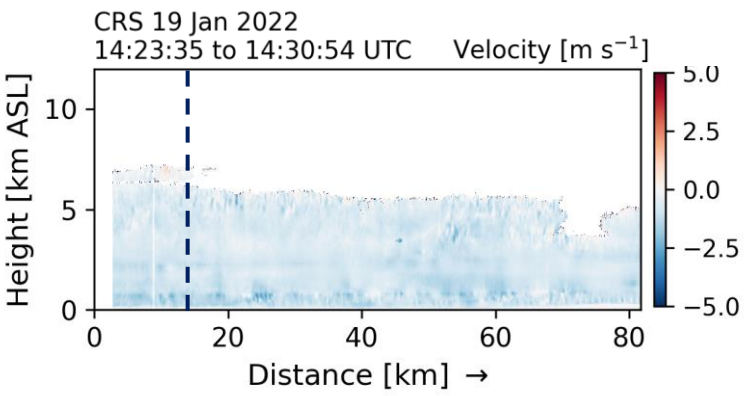

CRS 19 Jan 2022
14:23:35 to 14:30:54 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

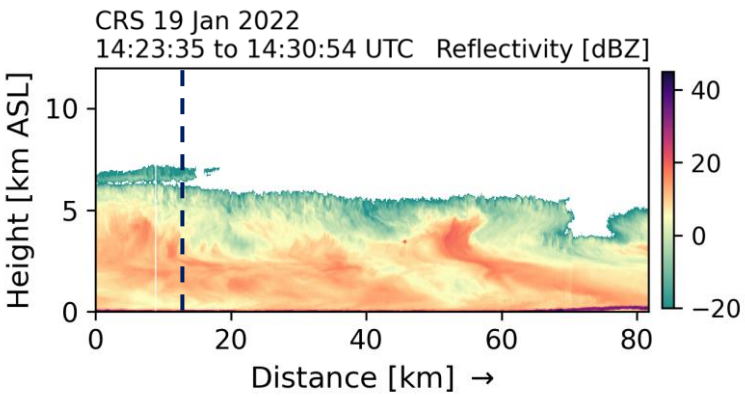

EXRAD 19 Jan 2022
14:23:35 to 14:30:54 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

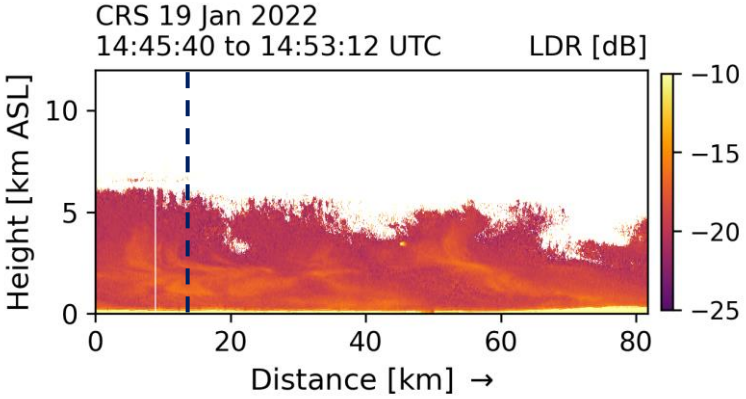

19 Jan 2022 14:43:40 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

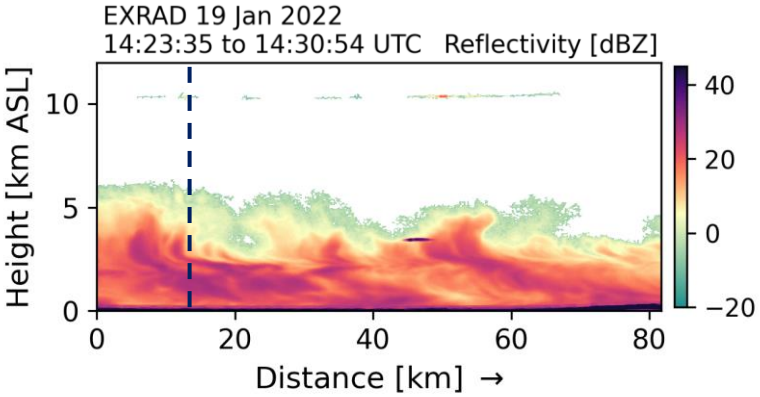

19 Jan 2022 14:51:57 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

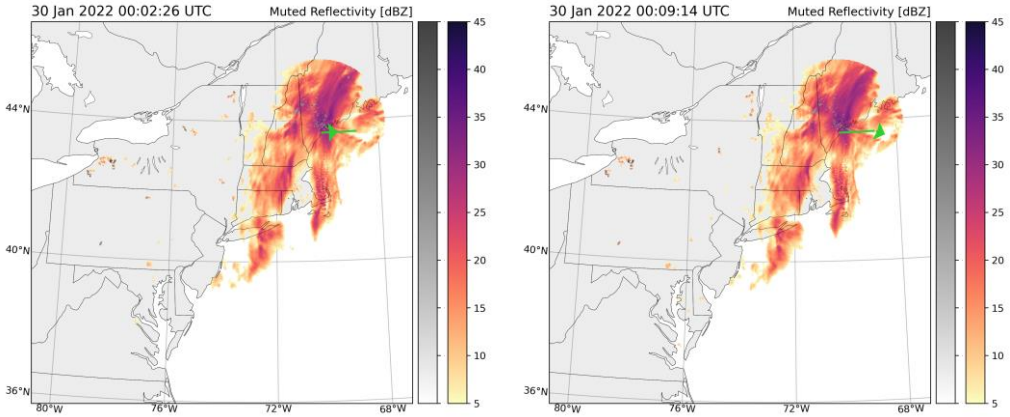

CRS 19 Jan 2022
14:23:35 to 14:30:54 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →
0
20
40
60
80
0
5
10
2.0
1.5
1.0
0.5
0.0

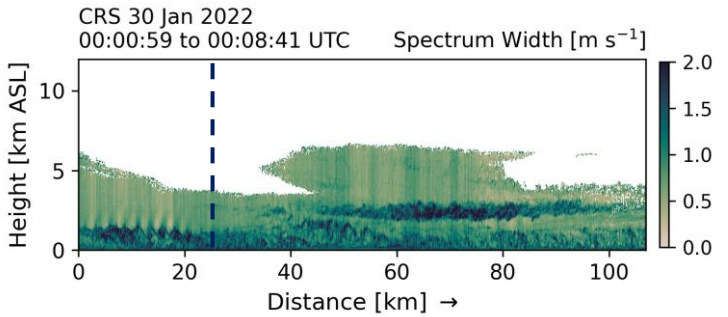

CRS 19 Jan 2022
14:23:35 to 14:30:54 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
0
20
40
60
80
0
5
10
5.0
2.5
0.0
−2.5
−5.0

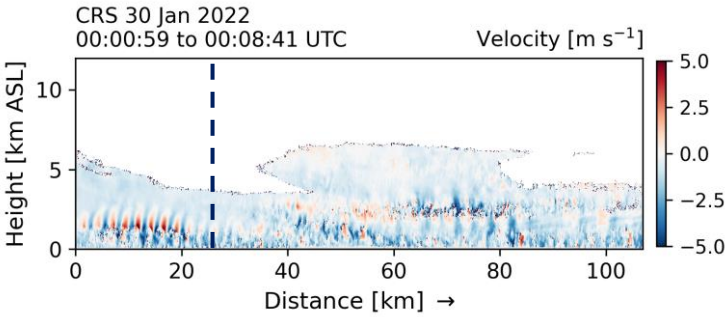

CRS 19 Jan 2022
14:23:35 to 14:30:54 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
0
20
40
60
80
0
5
10
40
20
0
−20

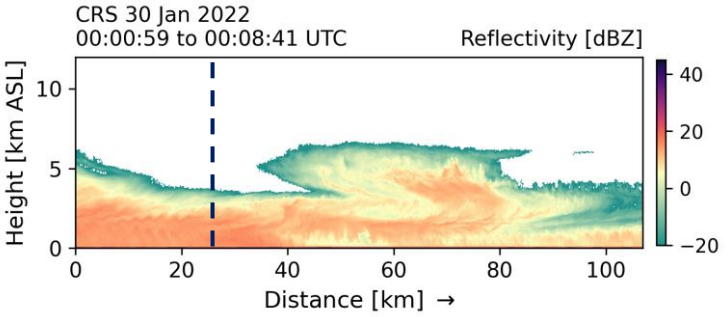

CRS 19 Jan 2022
14:45:40 to 14:53:12 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
0
20
40
60
80
0
5
10
−10
−15
−20
−25

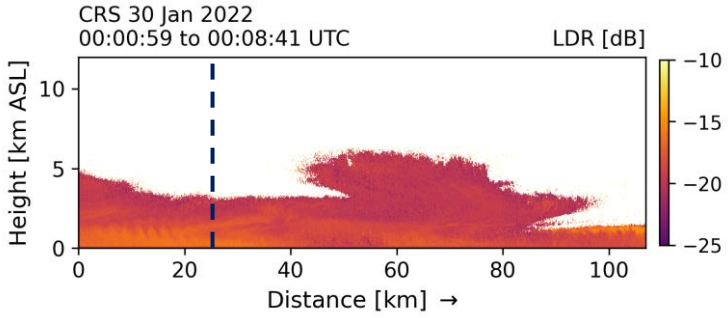

EXRAD 19 Jan 2022
14:23:35 to 14:30:54 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
0
20
40
60
80
0
5
10
40
20
0
−20

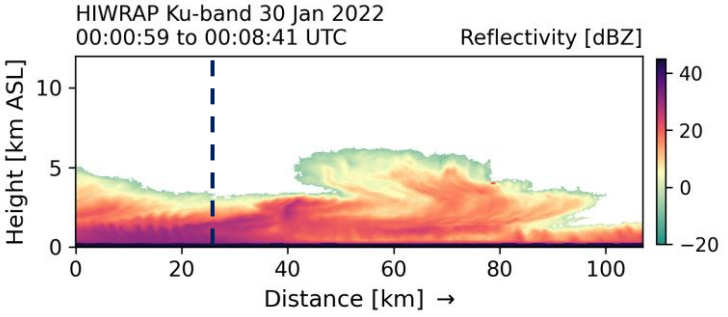

30 Jan 2022 00:02:26 UTC
Muted Reflectivity [dBZ]
30 Jan 2022 00:09:14 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

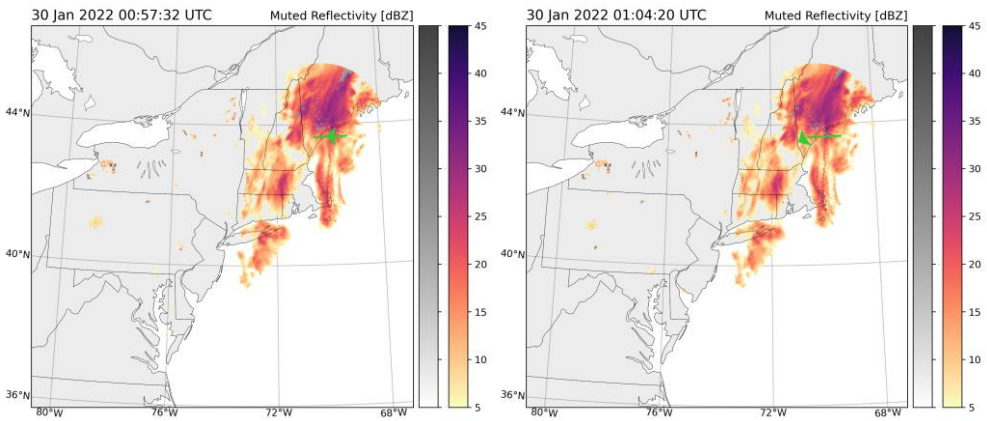

CRS 30 Jan 2022
00:00:59 to 00:08:41 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →
2.0
1.5
1.0
0.5
0.0

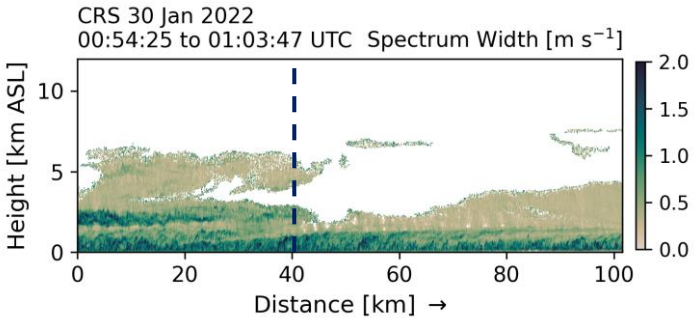

CRS 30 Jan 2022
00:00:59 to 00:08:41 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

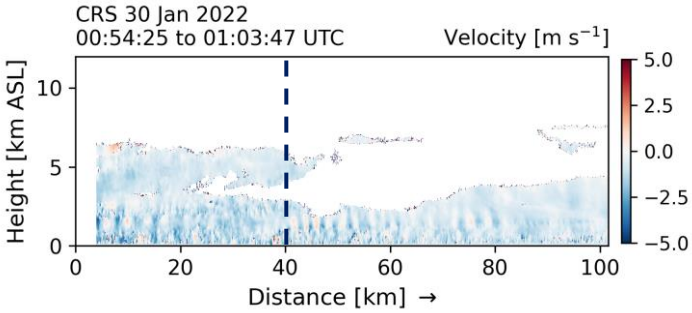

CRS 30 Jan 2022
00:00:59 to 00:08:41 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

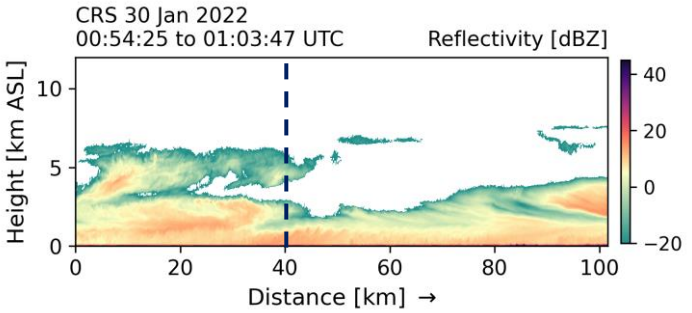

CRS 30 Jan 2022
00:00:59 to 00:08:41 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

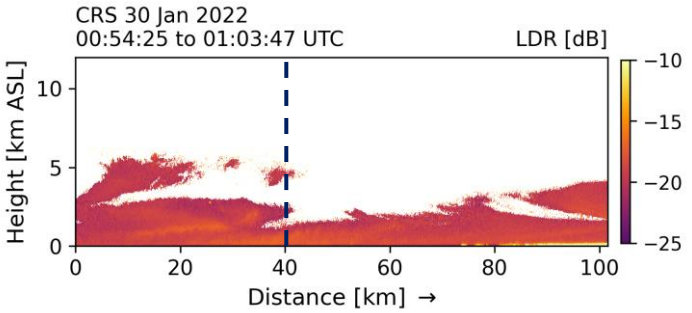

HIWRAP Ku-band 30 Jan 2022
00:00:59 to 00:08:41 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

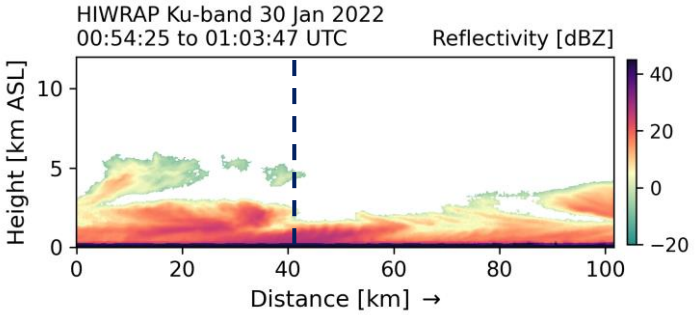

30 Jan 2022 00:57:32 UTC
Muted Reflectivity [dBZ]
30 Jan 2022 01:04:20 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W

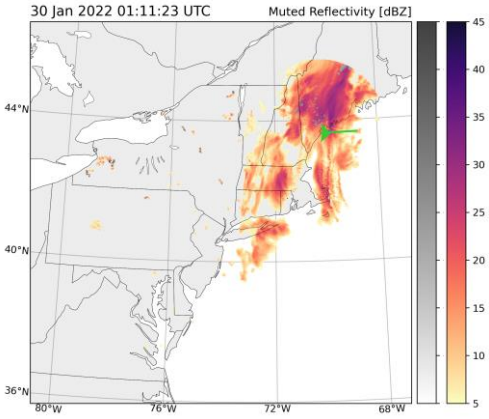

CRS 30 Jan 2022
00:54:25 to 01:03:47 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

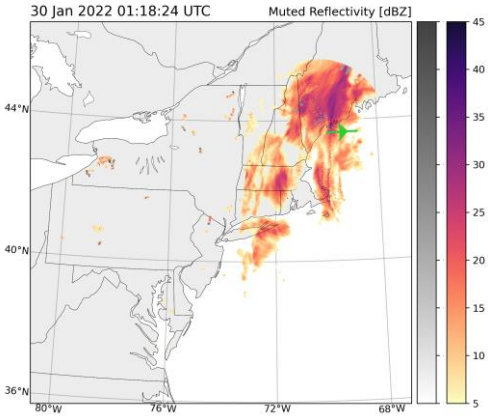

CRS 30 Jan 2022
00:54:25 to 01:03:47 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

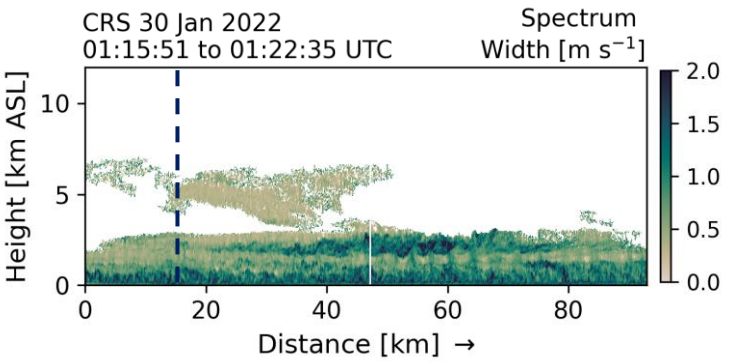

CRS 30 Jan 2022
00:54:25 to 01:03:47 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

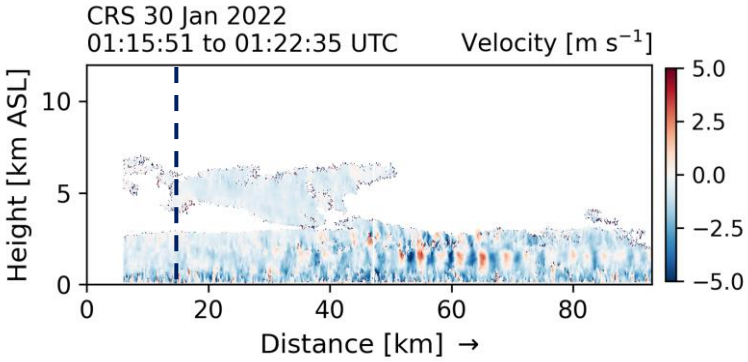

CRS 30 Jan 2022
00:54:25 to 01:03:47 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

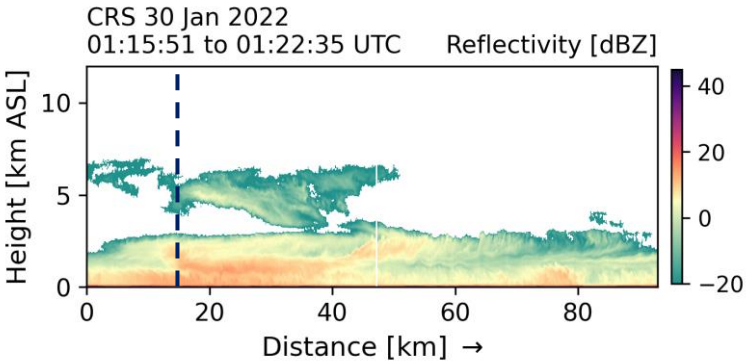

HIWRAP Ku-band 30 Jan 2022
00:54:25 to 01:03:47 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

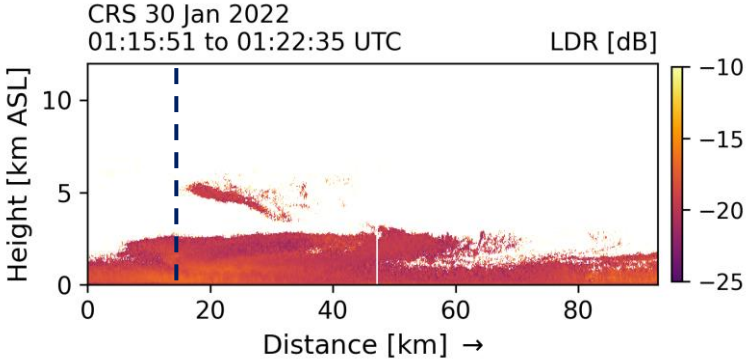

30 Jan 2022 01:11:23 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

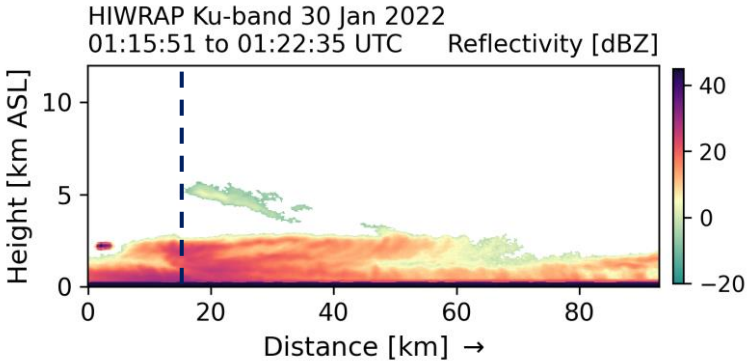

30 Jan 2022 01:18:24 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

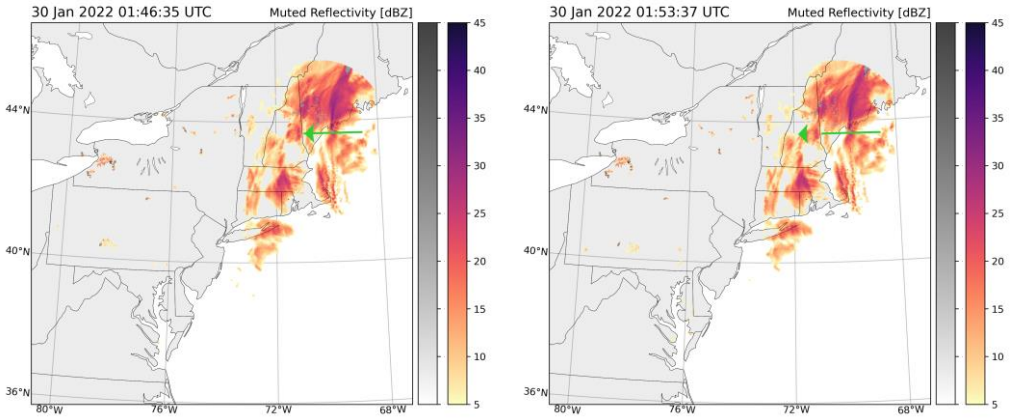

CRS 30 Jan 2022
01:15:51 to 01:22:35 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →
2.0
1.5
1.0
0.5
0.0

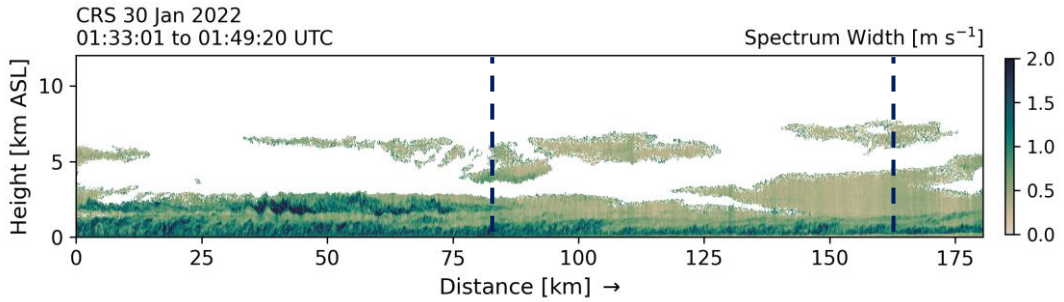

CRS 30 Jan 2022
01:15:51 to 01:22:35 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

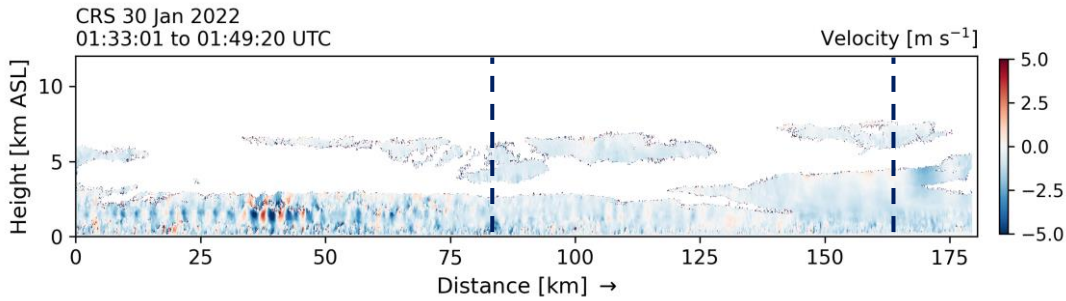

CRS 30 Jan 2022
01:15:51 to 01:22:35 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

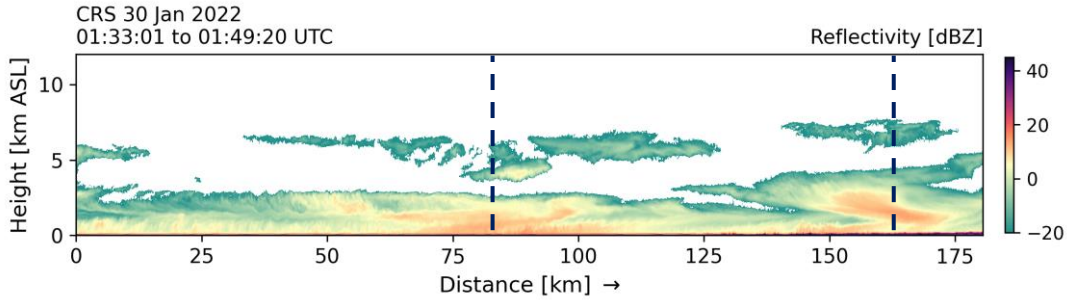

CRS 30 Jan 2022
01:15:51 to 01:22:35 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

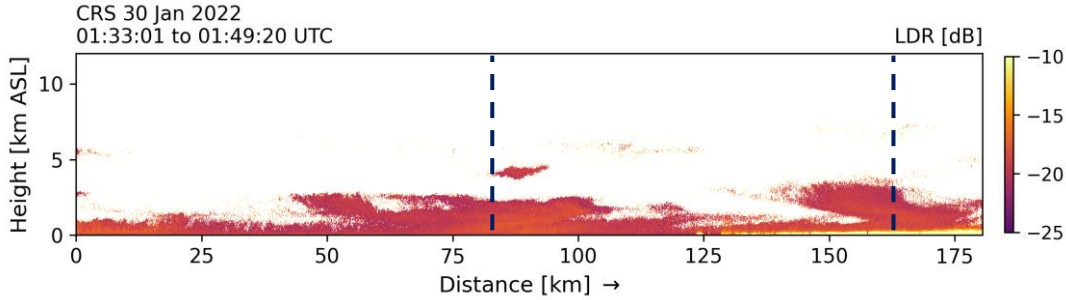

HIWRAP Ku-band 30 Jan 2022
01:15:51 to 01:22:35 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

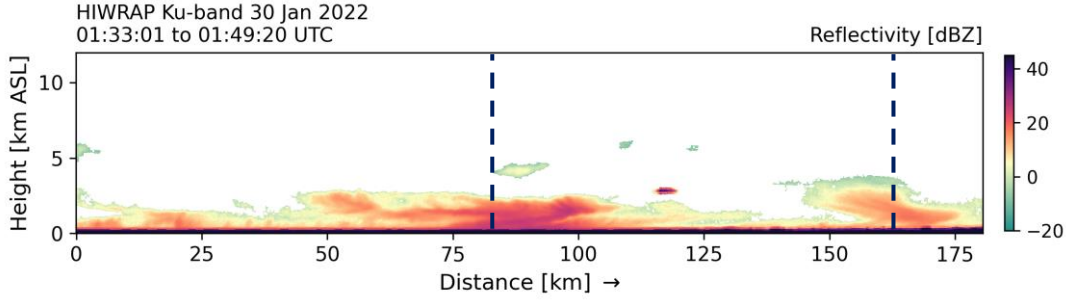

30 Jan 2022 01:46:35 UTC
Muted Reflectivity [dBZ]
30 Jan 2022 01:53:37 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W

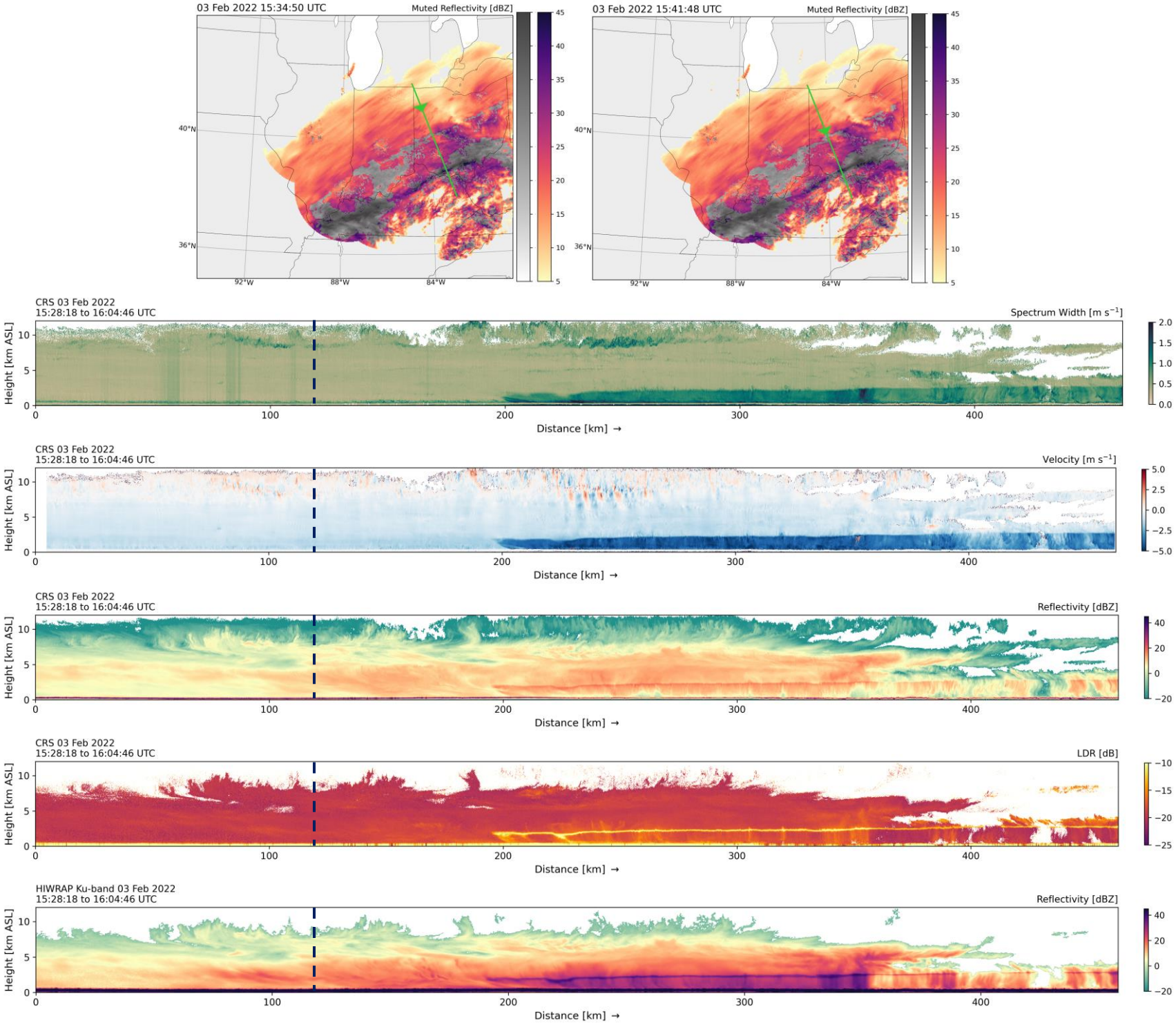

CRS 30 Jan 2022
01:33:01 to 01:49:20 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

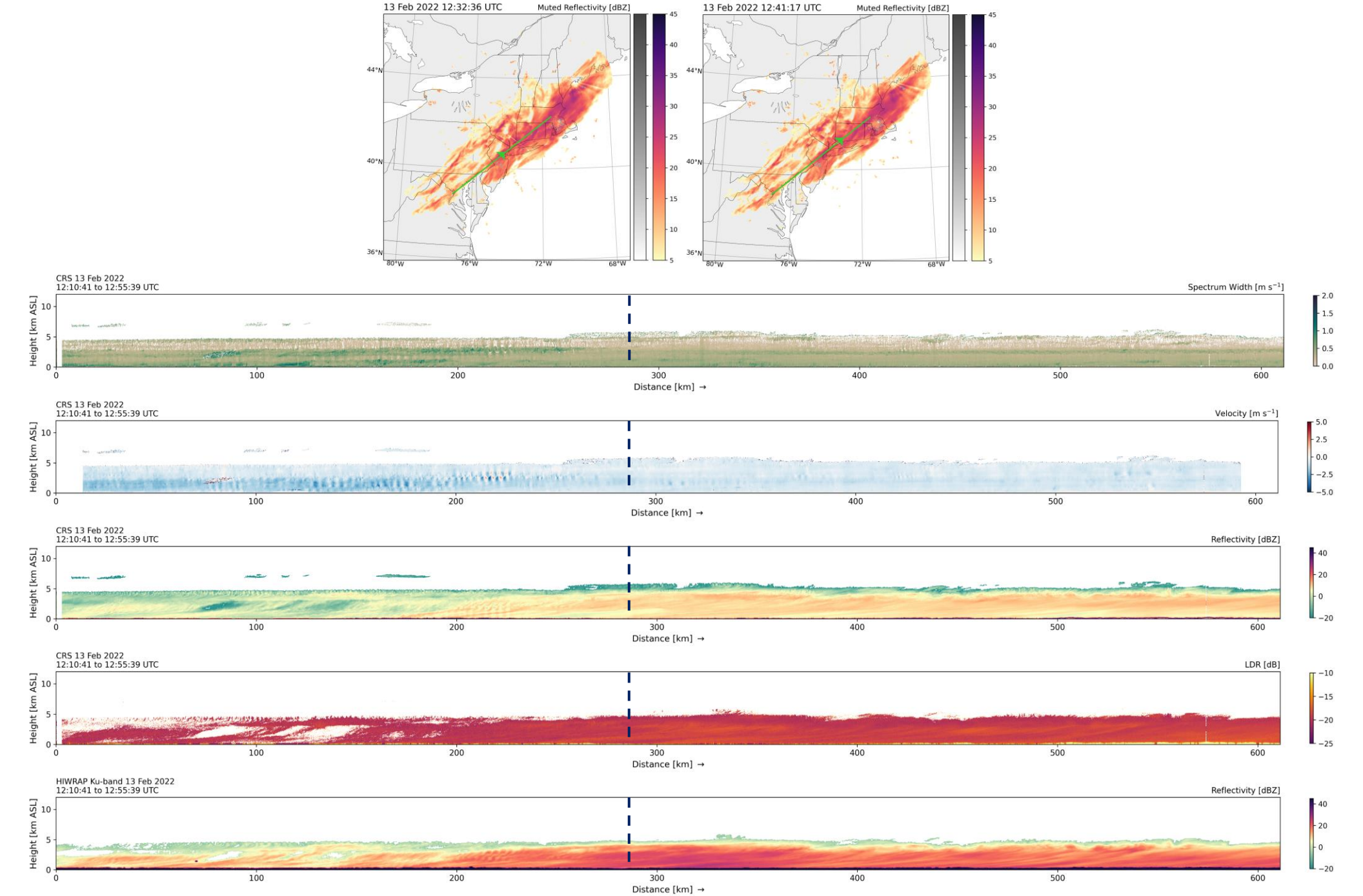

CRS 30 Jan 2022
01:33:01 to 01:49:20 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

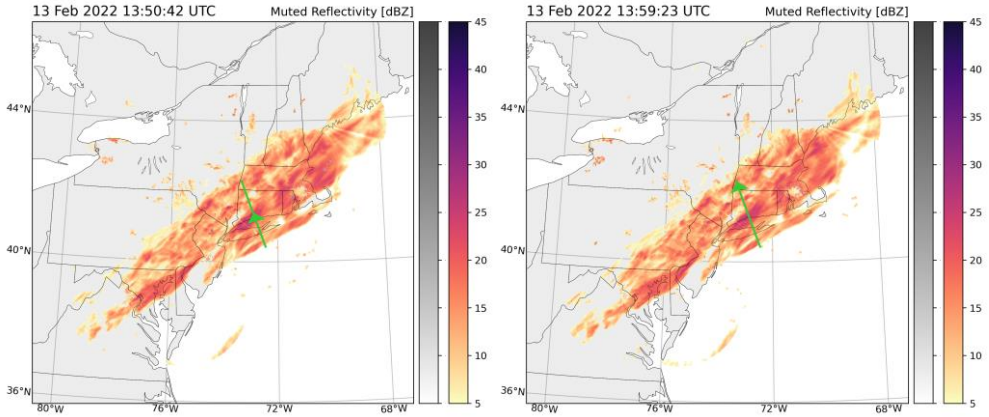

CRS 30 Jan 2022
01:33:01 to 01:49:20 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

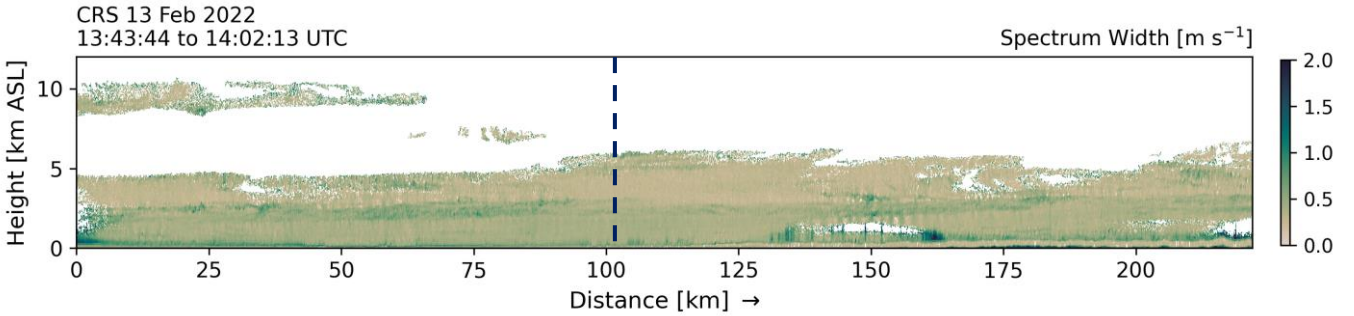

CRS 30 Jan 2022
01:33:01 to 01:49:20 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

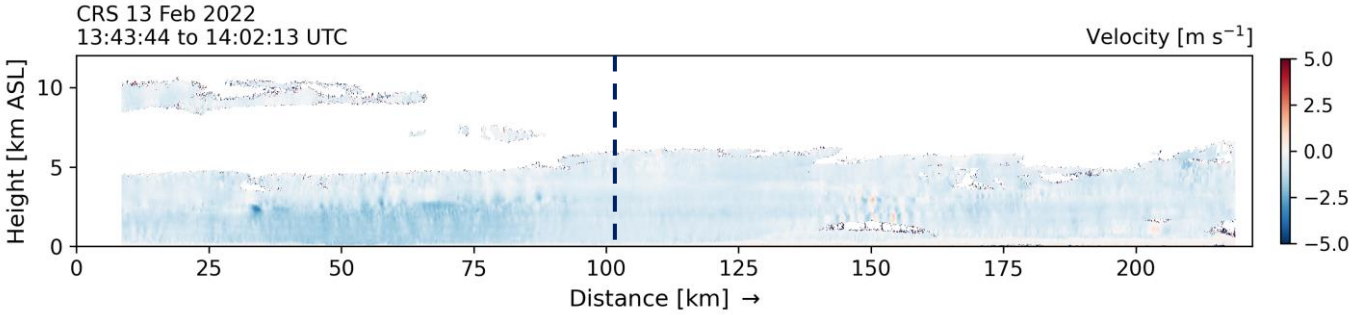

HIWRAP Ku-band 30 Jan 2022
01:33:01 to 01:49:20 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

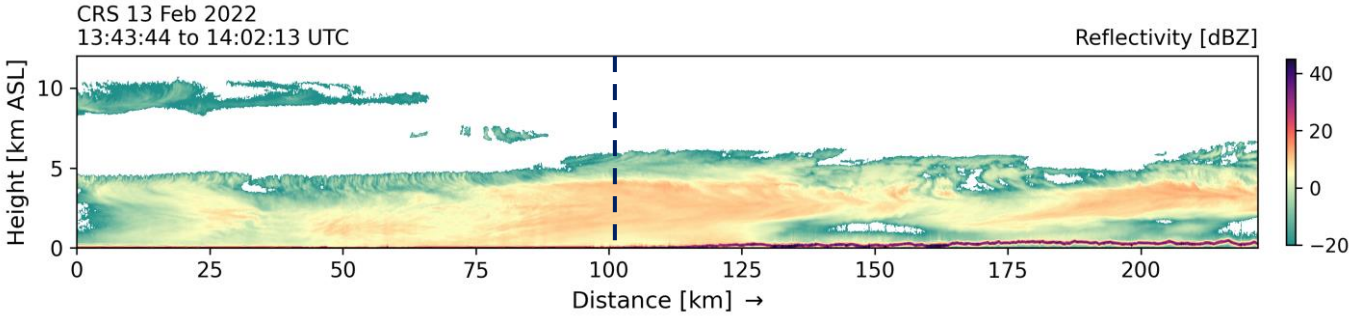

03 Feb 2022 15:34:50 UTC
Muted Reflectivity [dBZ]
03 Feb 2022 15:41:48 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W
CRS 03 Feb 2022
15:28:18 to 16:04:46 UTC
Spectrum Width [m s$^{-1}$]
Velocity [m s$^{-1}$]
Reflectivity [dBZ]
LDR [dB]
HIWRAP Ku-band 03 Feb 2022
15:28:18 to 16:04:46 UTC
Height [km ASL]
Distance [km] →

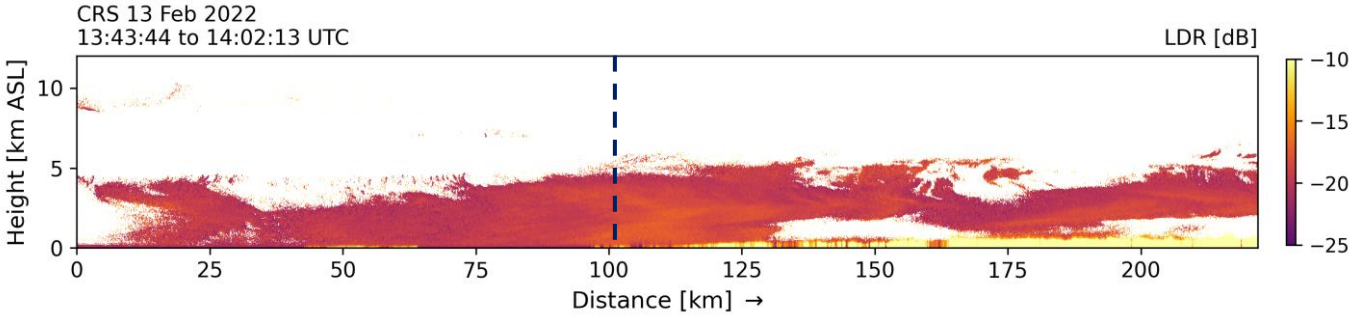

13 Feb 2022 12:32:36 UTC
Muted Reflectivity [dBZ]
13 Feb 2022 12:41:17 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
CRS 13 Feb 2022
12:10:41 to 12:55:39 UTC
Spectrum Width [m s$^{-1}$]
Velocity [m s$^{-1}$]
Reflectivity [dBZ]
LDR [dB]
HIWRAP Ku-band 13 Feb 2022
12:10:41 to 12:55:39 UTC
Height [km ASL]
Distance [km] →

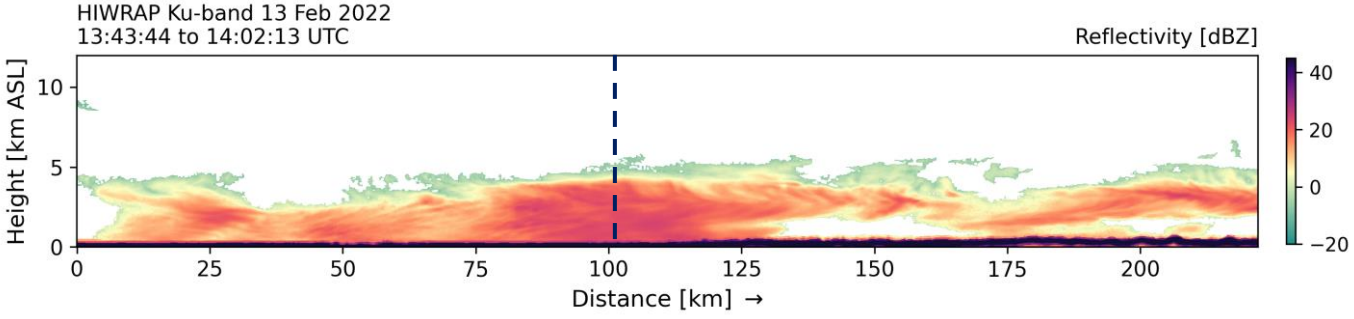

13 Feb 2022 13:50:42 UTC
Muted Reflectivity [dBZ]
13 Feb 2022 13:59:23 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W

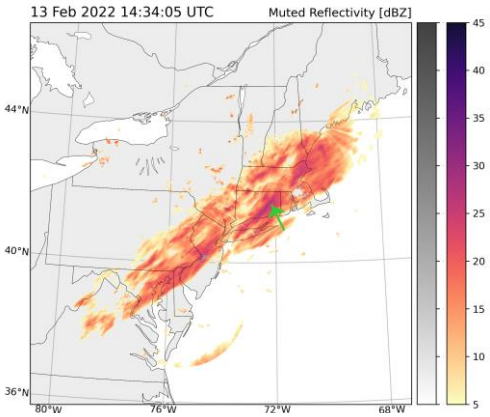

CRS 13 Feb 2022
13:43:44 to 14:02:13 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

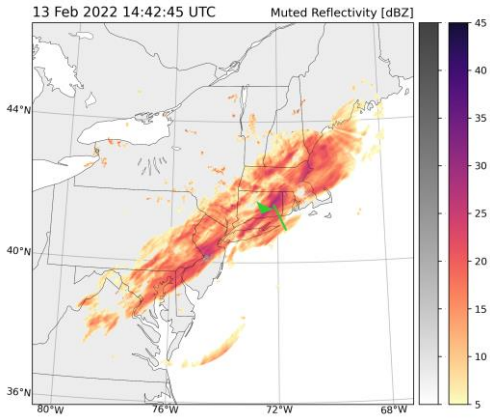

CRS 13 Feb 2022
13:43:44 to 14:02:13 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

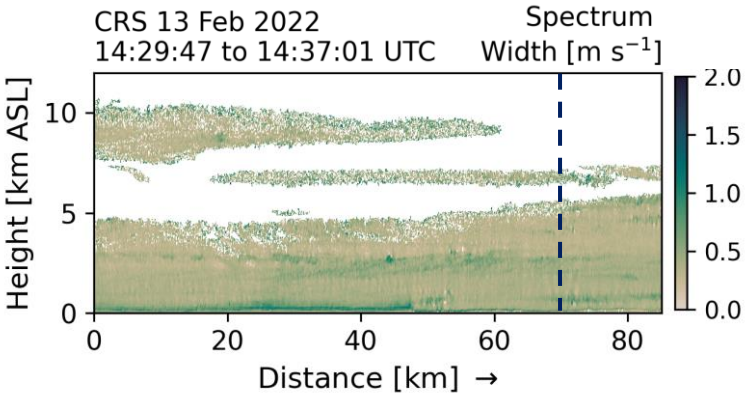

CRS 13 Feb 2022
13:43:44 to 14:02:13 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

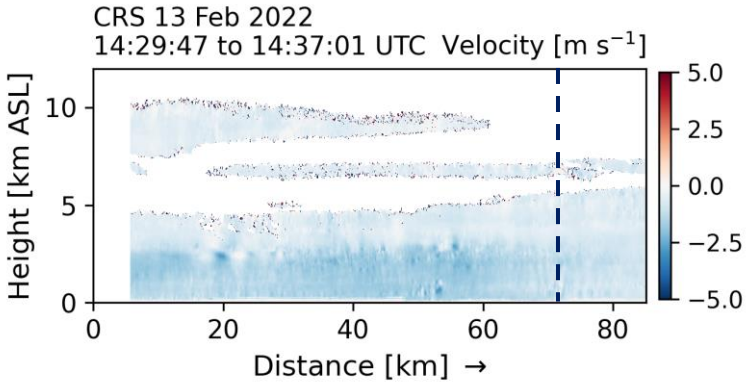

CRS 13 Feb 2022
13:43:44 to 14:02:13 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

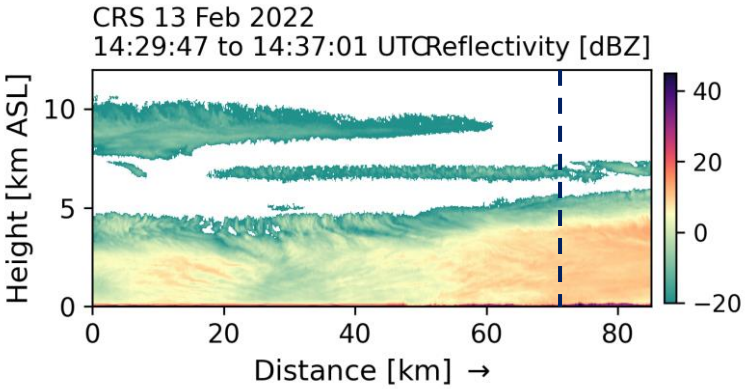

HIWRAP Ku-band 13 Feb 2022
13:43:44 to 14:02:13 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

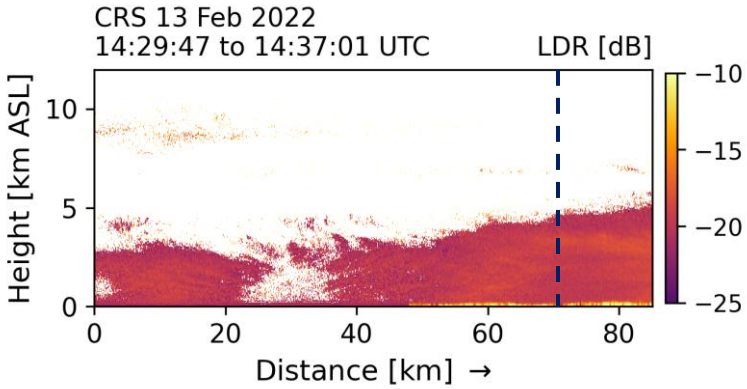

13 Feb 2022 14:34:05 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

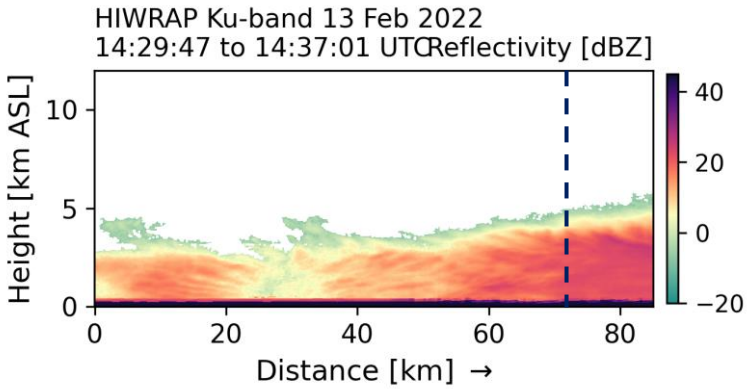

13 Feb 2022 14:42:45 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

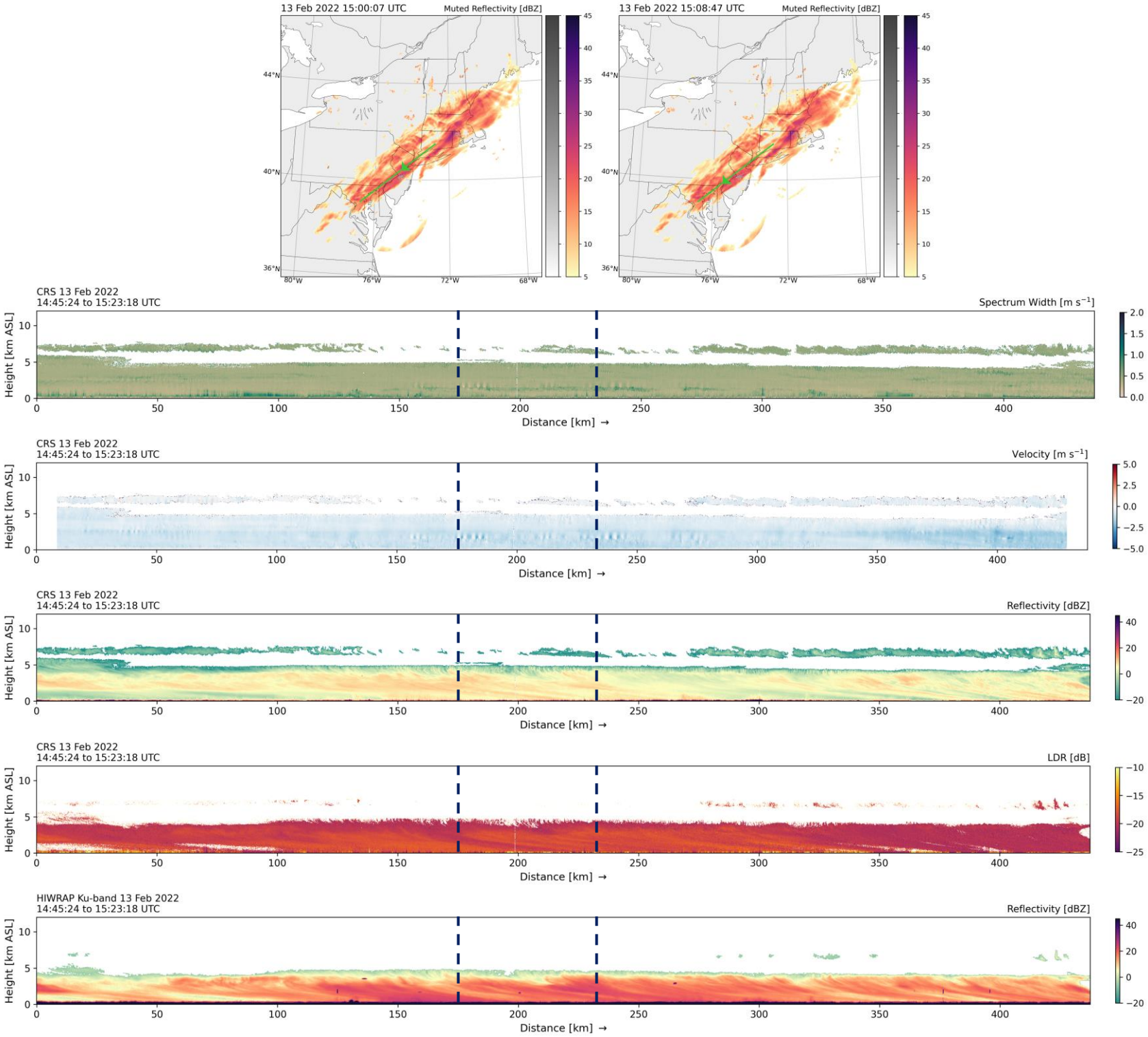

CRS 13 Feb 2022
14:29:47 to 14:37:01 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →
2.0
1.5
1.0
0.5
0.0

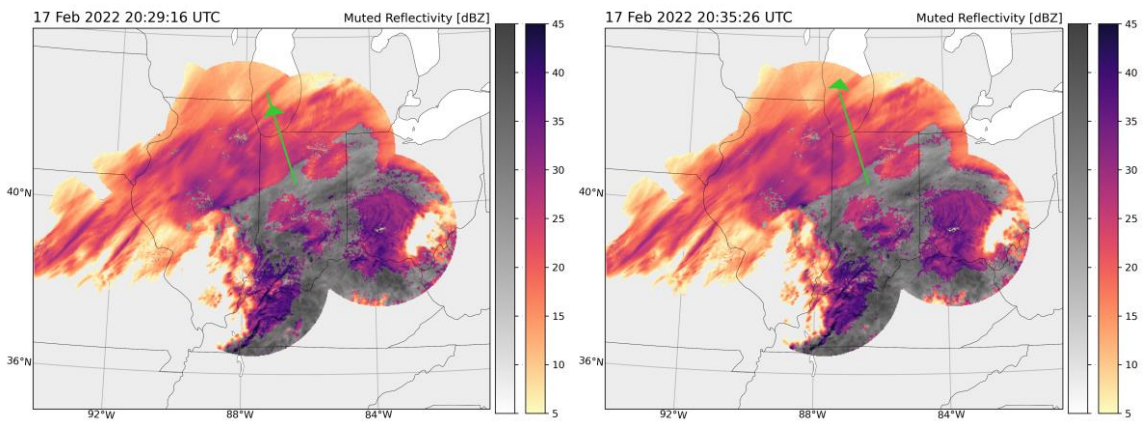

CRS 13 Feb 2022
14:29:47 to 14:37:01 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

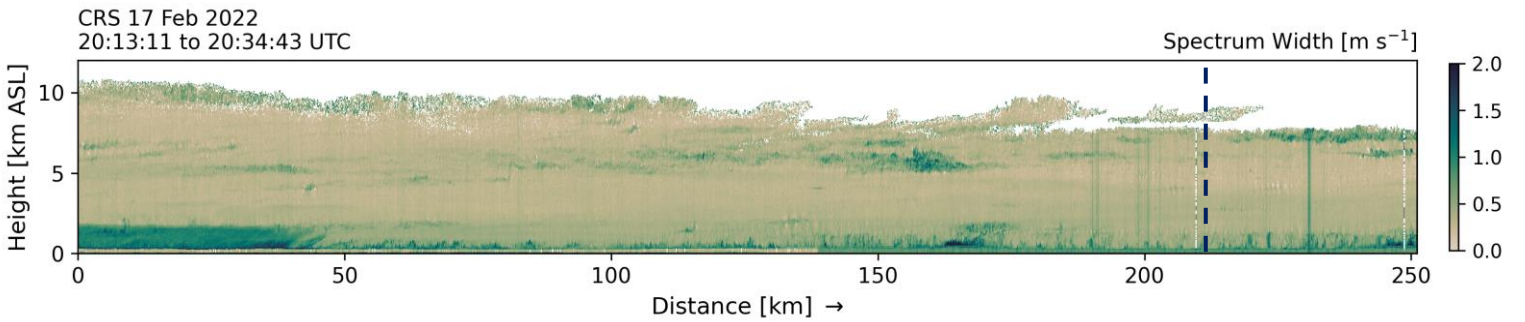

CRS 13 Feb 2022
14:29:47 to 14:37:01 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

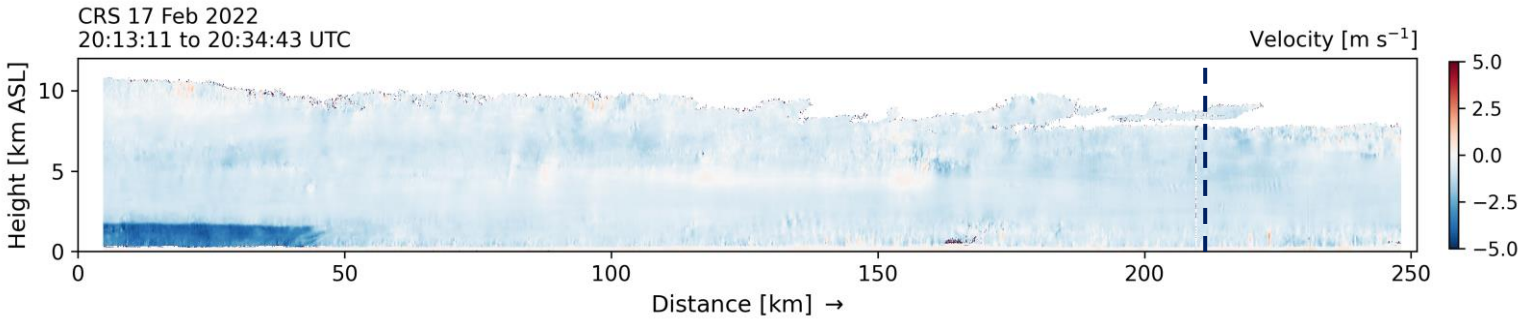

CRS 13 Feb 2022
14:29:47 to 14:37:01 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

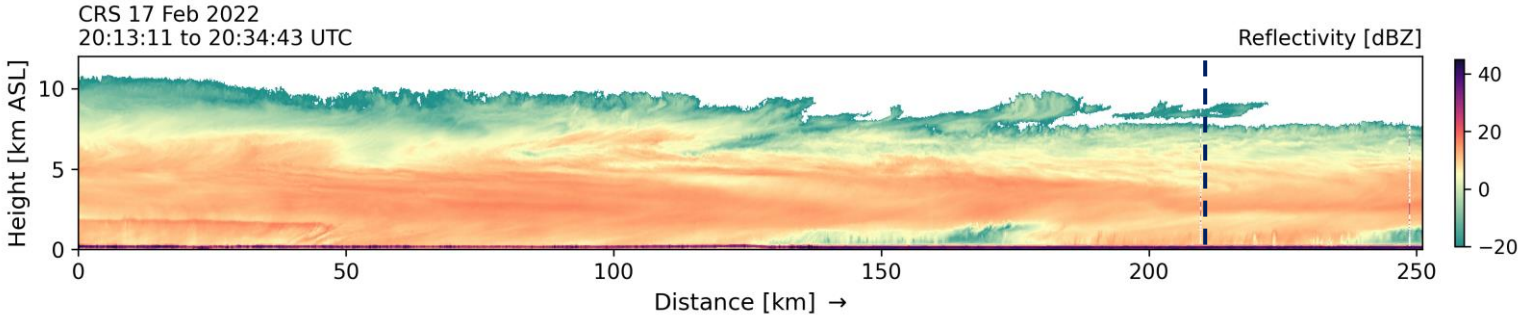

HIWRAP Ku-band 13 Feb 2022
14:29:47 to 14:37:01 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

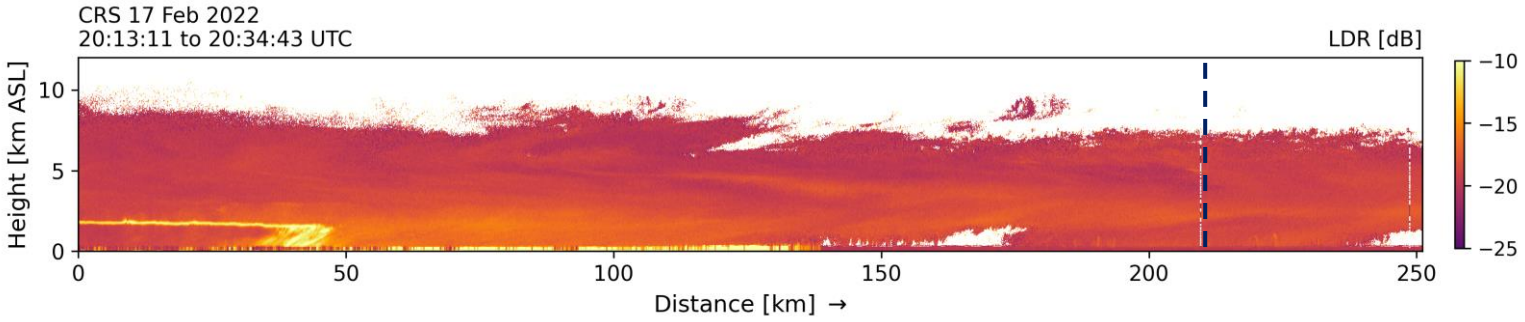

13 Feb 2022 15:00:07 UTC
Muted Reflectivity [dBZ]
13 Feb 2022 15:08:47 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
CRS 13 Feb 2022
14:45:24 to 15:23:18 UTC
Spectrum Width [m s$^{-1}$]
Velocity [m s$^{-1}$]
Reflectivity [dBZ]
LDR [dB]
HIWRAP Ku-band 13 Feb 2022
14:45:24 to 15:23:18 UTC
Height [km ASL]
Distance [km] →

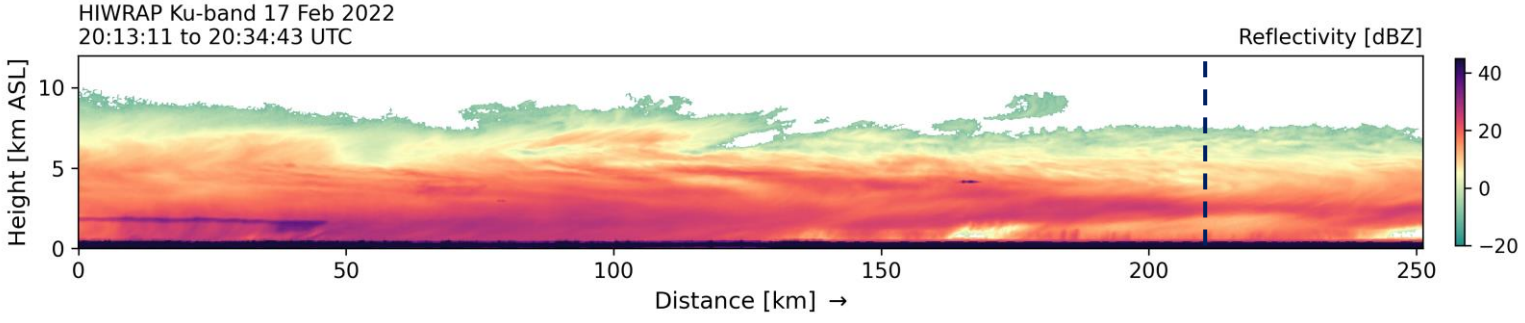

17 Feb 2022 20:29:16 UTC
Muted Reflectivity [dBZ]
17 Feb 2022 20:35:26 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W

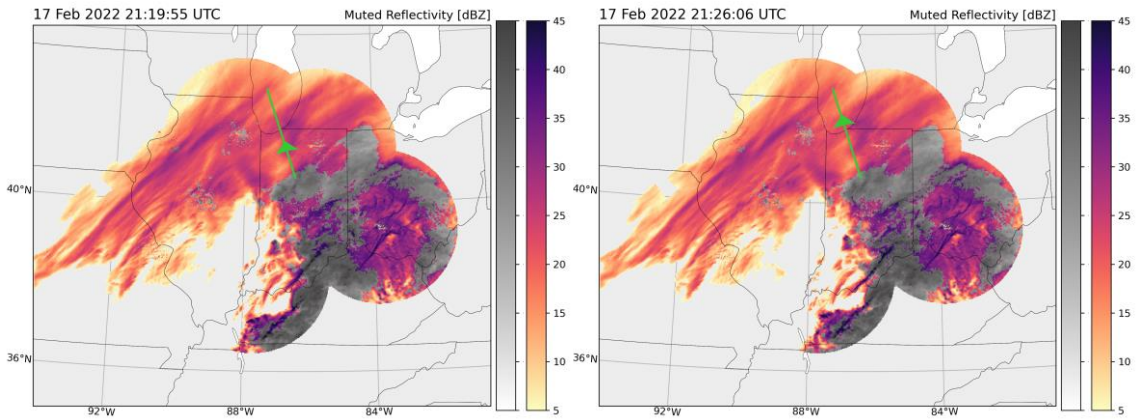

CRS 17 Feb 2022
20:13:11 to 20:34:43 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

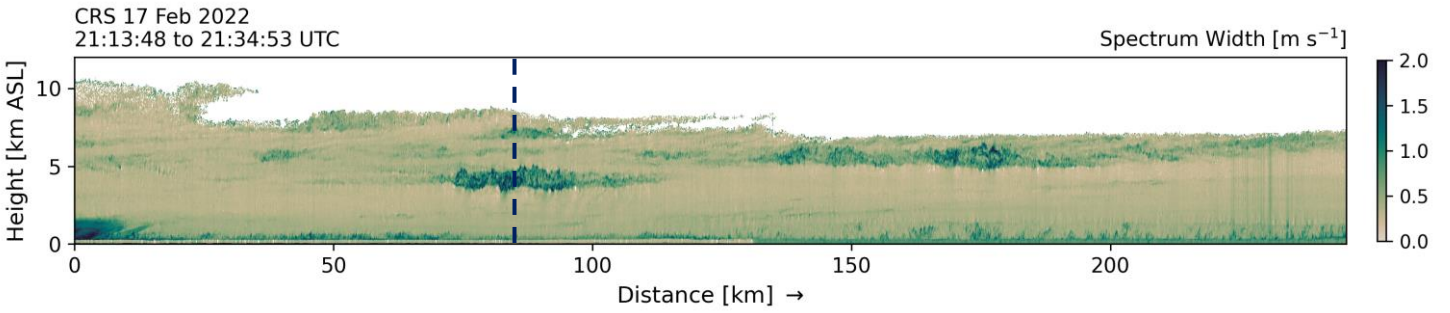

CRS 17 Feb 2022
20:13:11 to 20:34:43 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

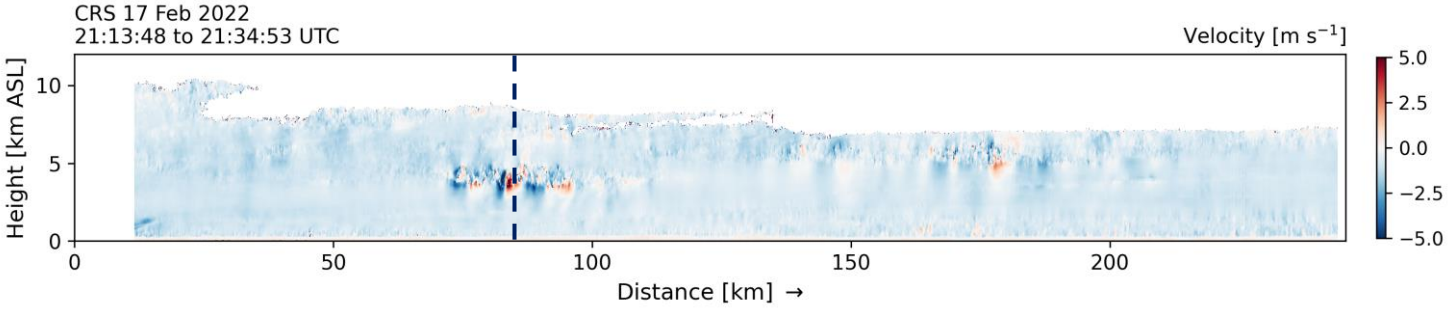

CRS 17 Feb 2022
20:13:11 to 20:34:43 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

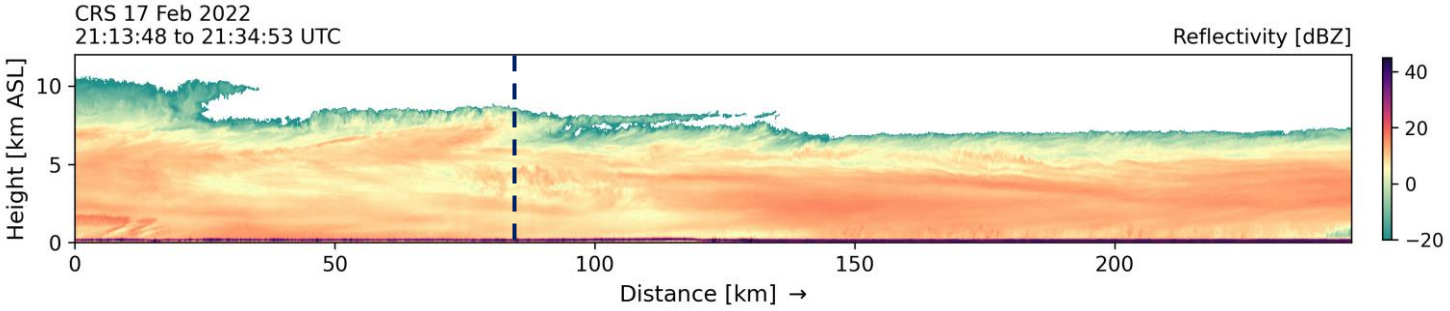

CRS 17 Feb 2022
20:13:11 to 20:34:43 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

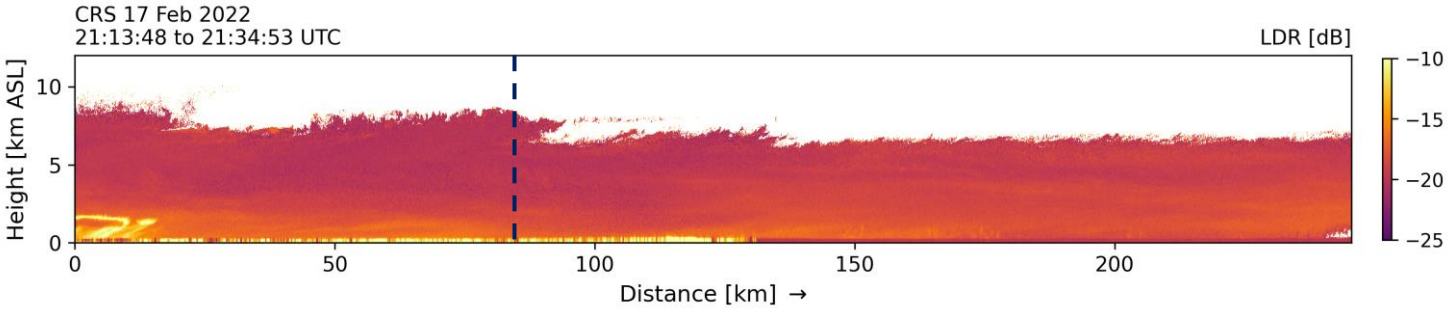

HIWRAP Ku-band 17 Feb 2022
20:13:11 to 20:34:43 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

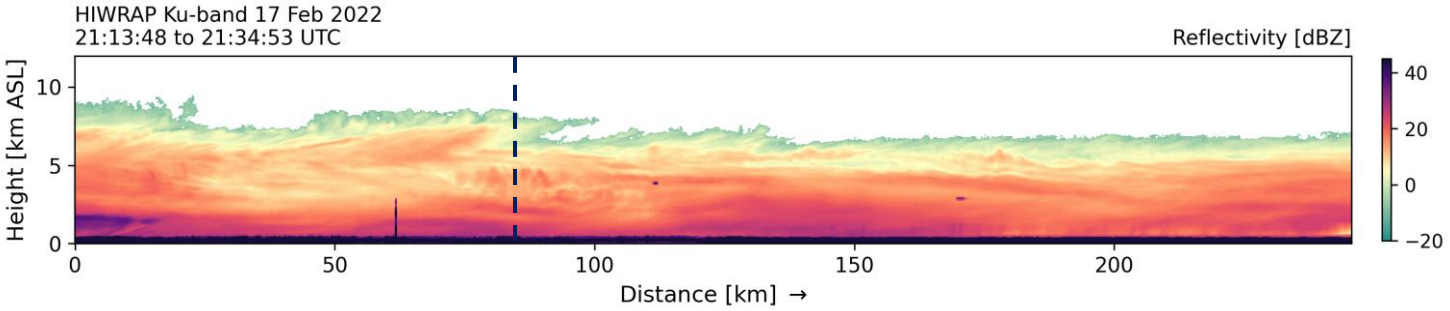

17 Feb 2022 21:19:55 UTC
Muted Reflectivity [dBZ]
17 Feb 2022 21:26:06 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W
45
40
35
30
25
20
15
10
5

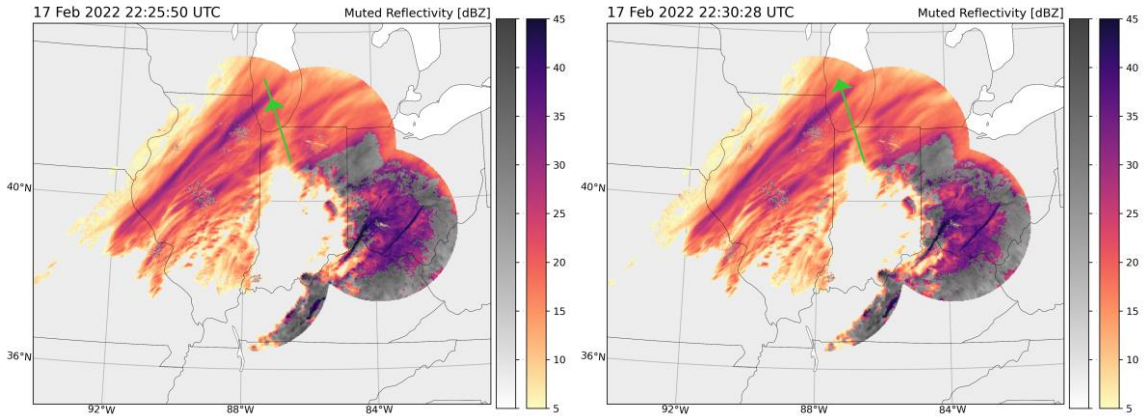

CRS 17 Feb 2022
21:13:48 to 21:34:53 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →
2.0
1.5
1.0
0.5
0.0

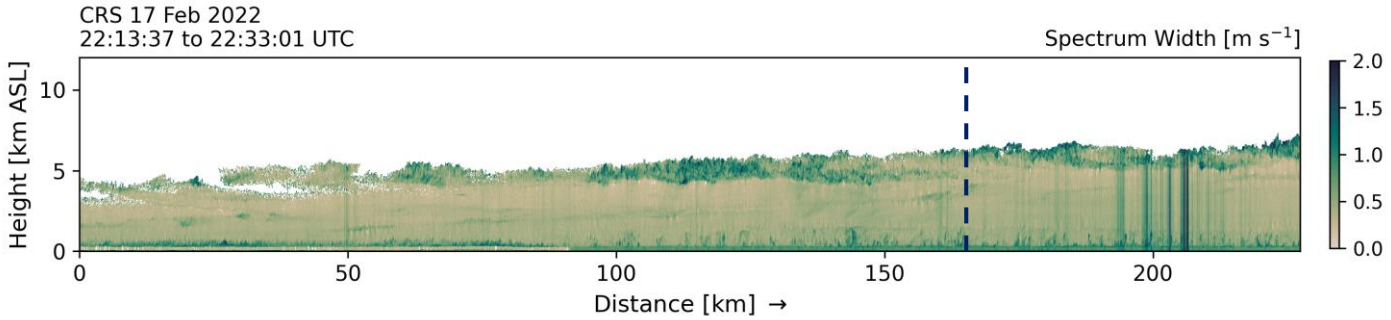

CRS 17 Feb 2022
21:13:48 to 21:34:53 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

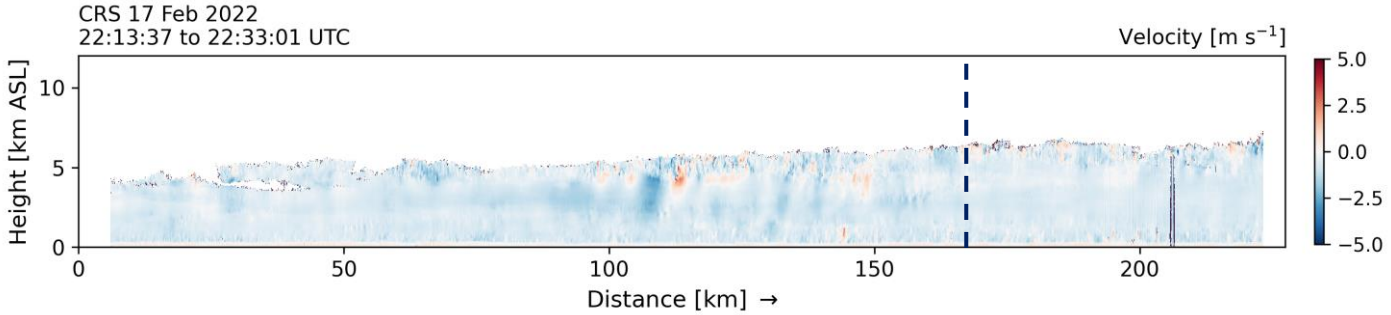

CRS 17 Feb 2022
21:13:48 to 21:34:53 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

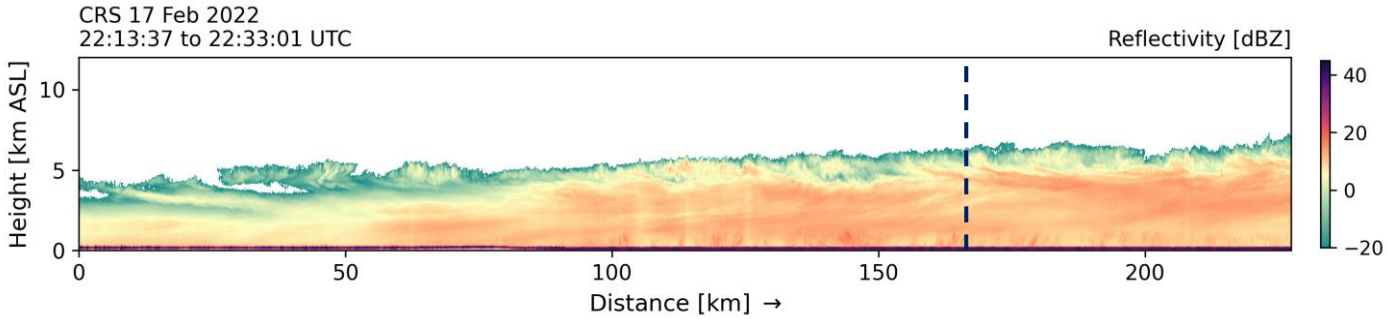

CRS 17 Feb 2022
21:13:48 to 21:34:53 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

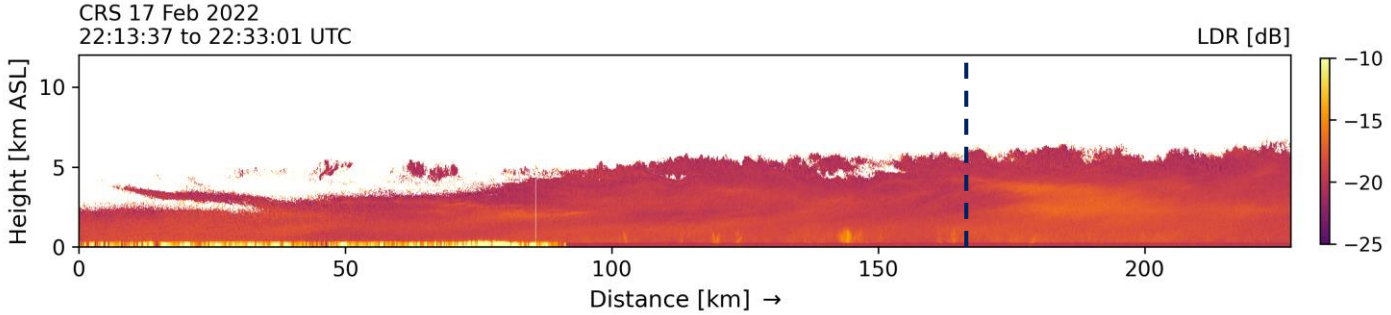

HIWRAP Ku-band 17 Feb 2022
21:13:48 to 21:34:53 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

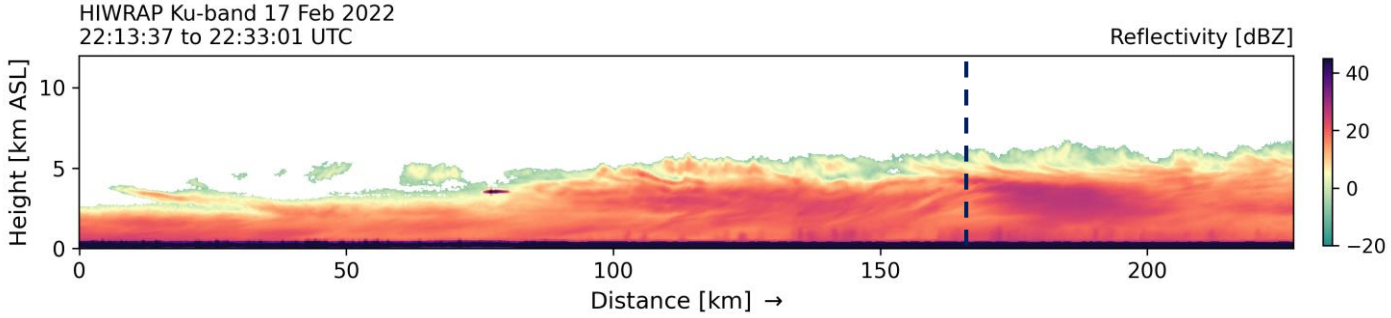

17 Feb 2022 22:25:50 UTC
Muted Reflectivity [dBZ]
17 Feb 2022 22:30:28 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W

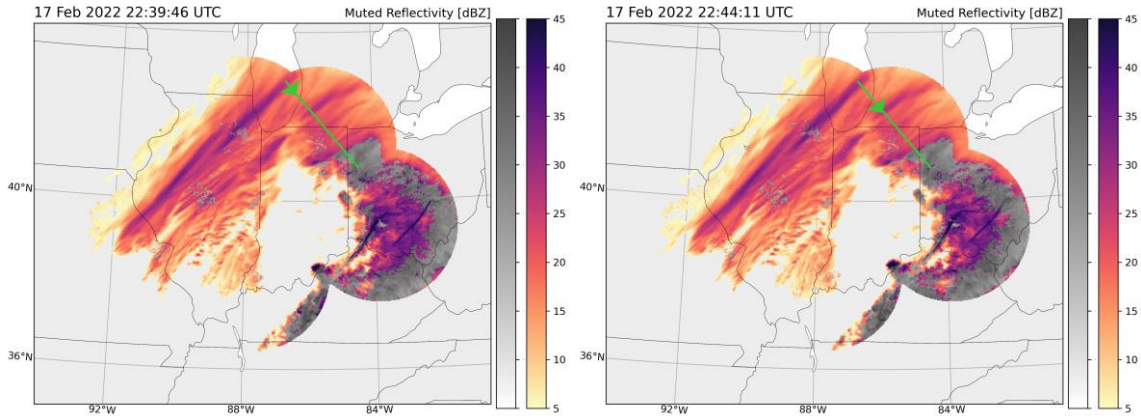

CRS 17 Feb 2022
22:13:37 to 22:33:01 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

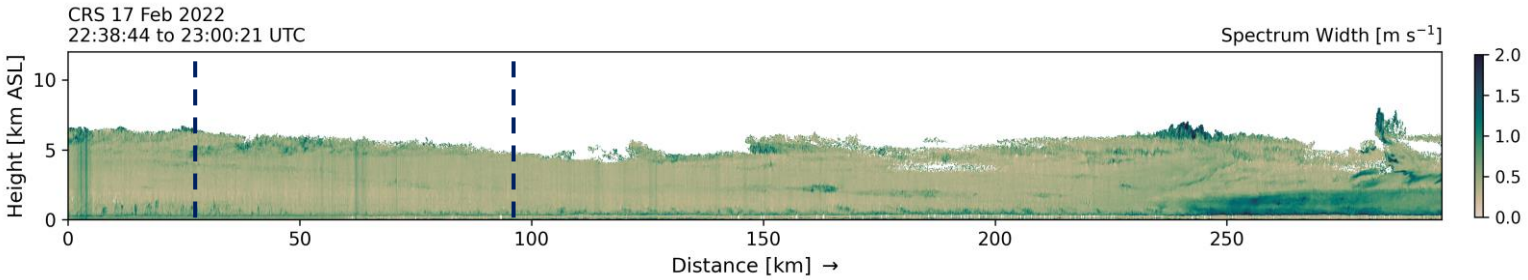

CRS 17 Feb 2022
22:13:37 to 22:33:01 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

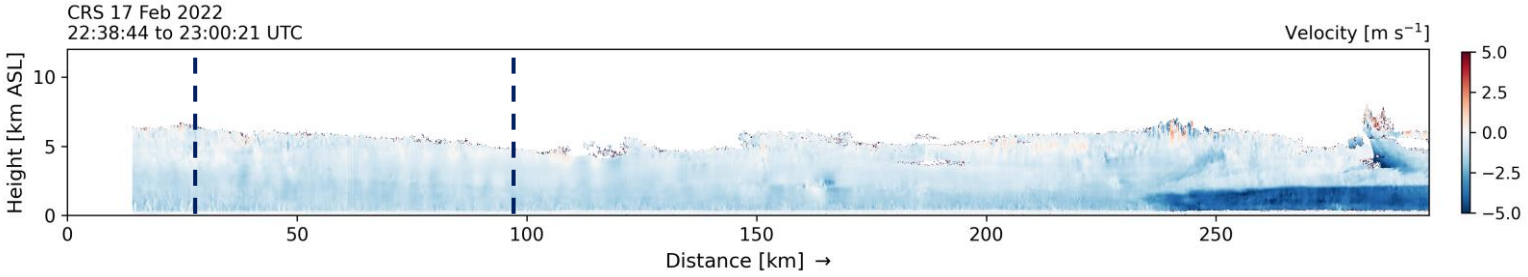

CRS 17 Feb 2022
22:13:37 to 22:33:01 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

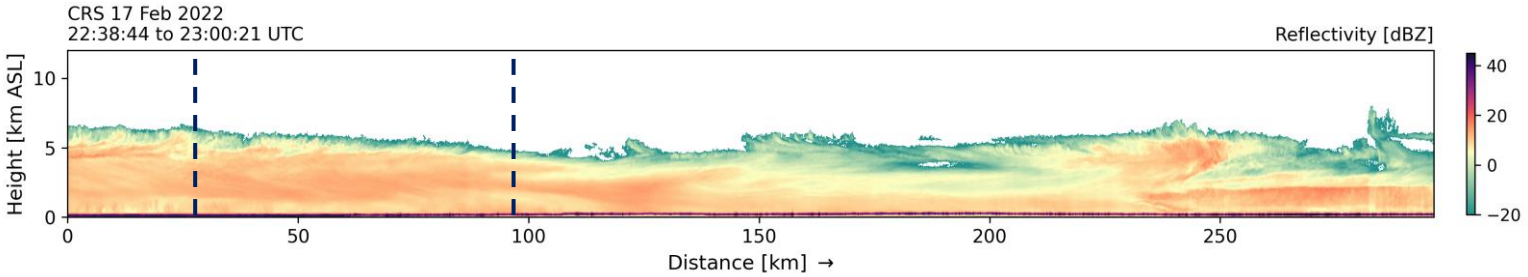

CRS 17 Feb 2022
22:13:37 to 22:33:01 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

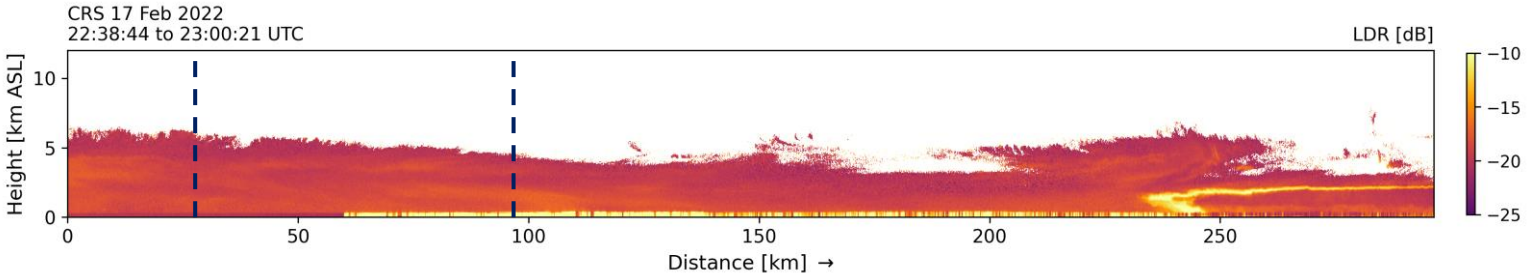

HIWRAP Ku-band 17 Feb 2022
22:13:37 to 22:33:01 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

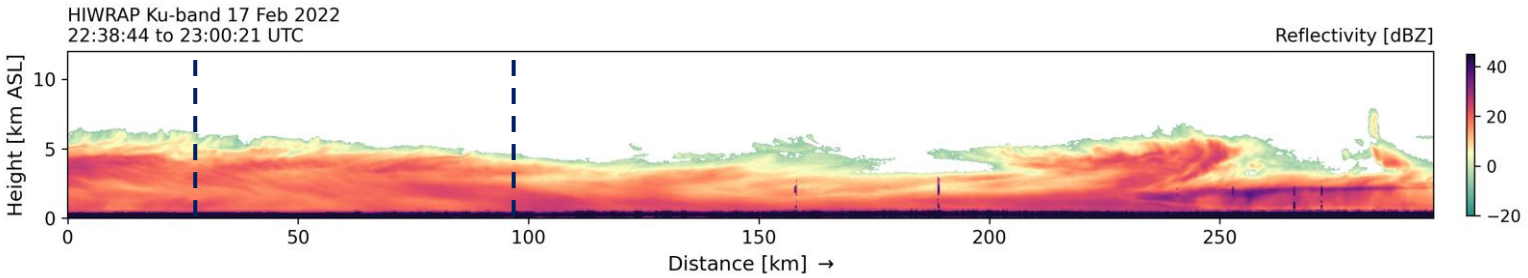

17 Feb 2022 22:39:46 UTC
Muted Reflectivity [dBZ]
17 Feb 2022 22:44:11 UTC
Muted Reflectivity [dBZ]
40°N
36°N
92°W
88°W
84°W

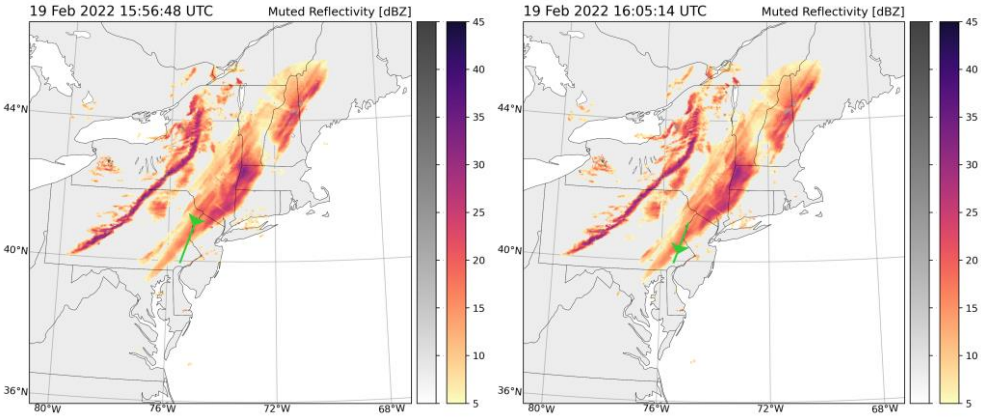

CRS 17 Feb 2022
22:38:44 to 23:00:21 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

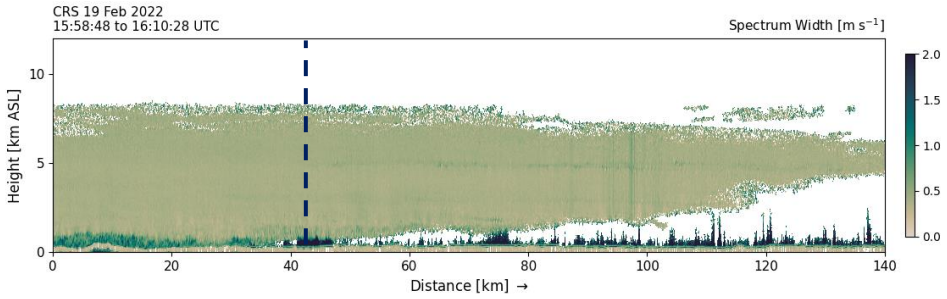

CRS 17 Feb 2022
22:38:44 to 23:00:21 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

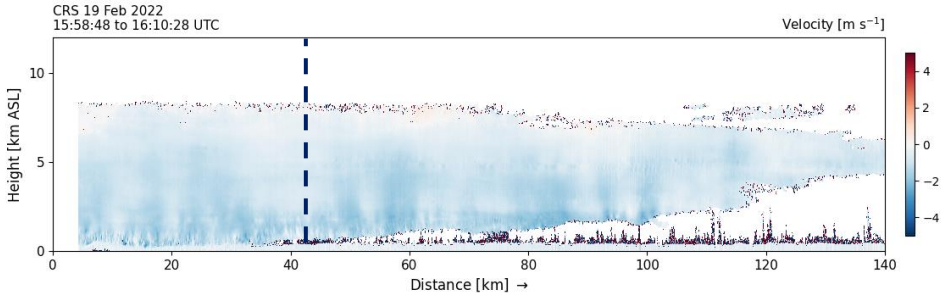

CRS 17 Feb 2022
22:38:44 to 23:00:21 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

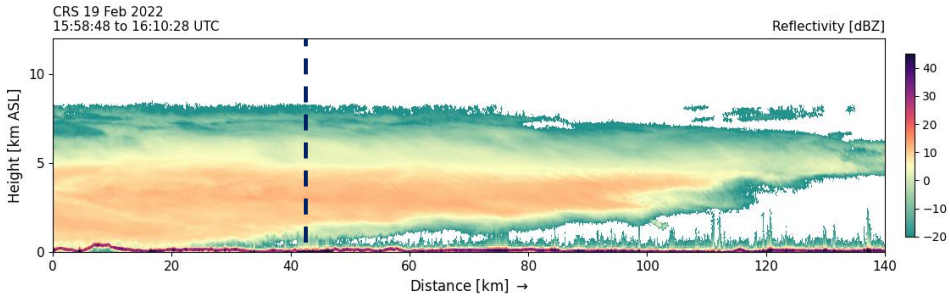

CRS 17 Feb 2022
22:38:44 to 23:00:21 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

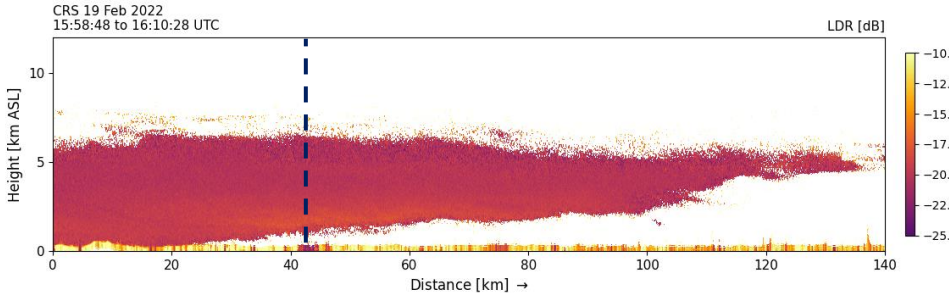

HIWRAP Ku-band 17 Feb 2022
22:38:44 to 23:00:21 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

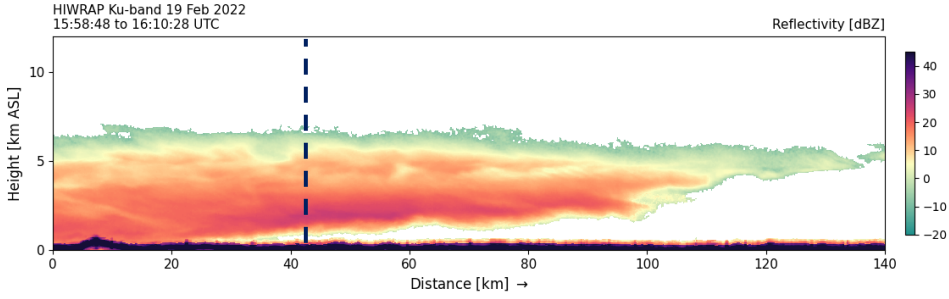

19 Feb 2022 15:56:48 UTC
Muted Reflectivity [dBZ]
19 Feb 2022 16:05:14 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W

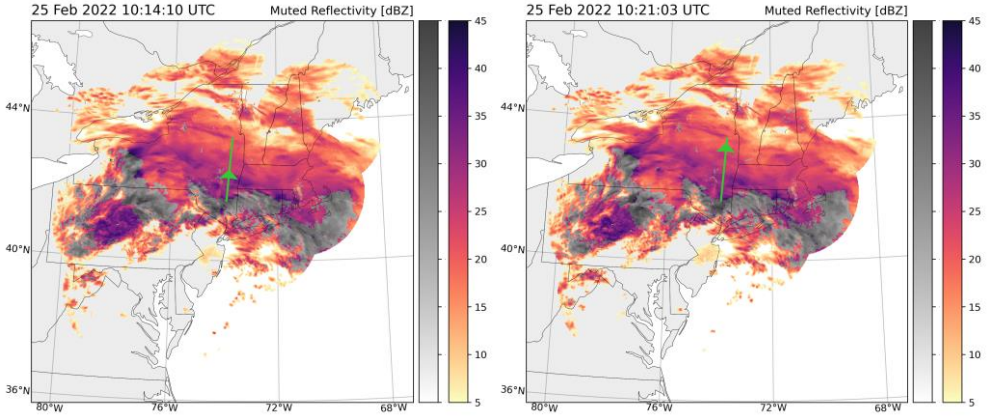

CRS 19 Feb 2022
15:58:48 to 16:10:28 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

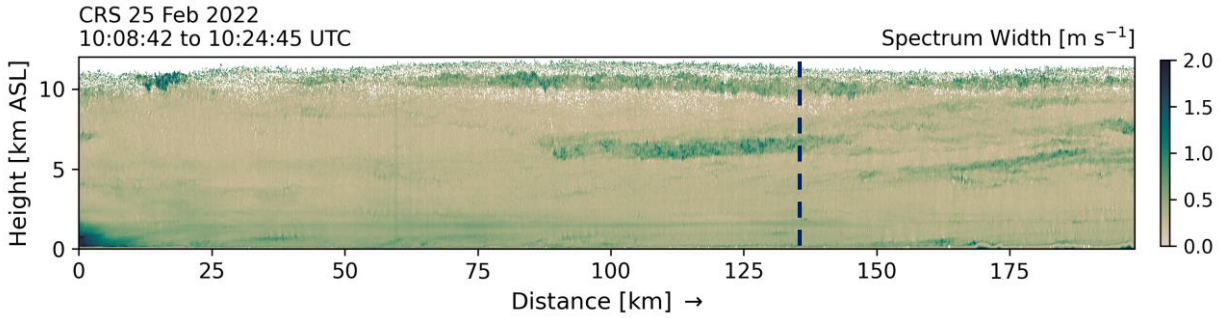

CRS 19 Feb 2022
15:58:48 to 16:10:28 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

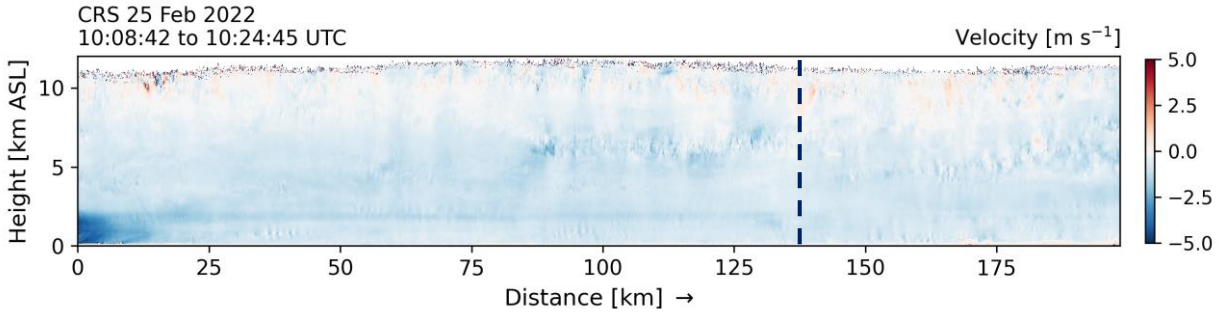

CRS 19 Feb 2022
15:58:48 to 16:10:28 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

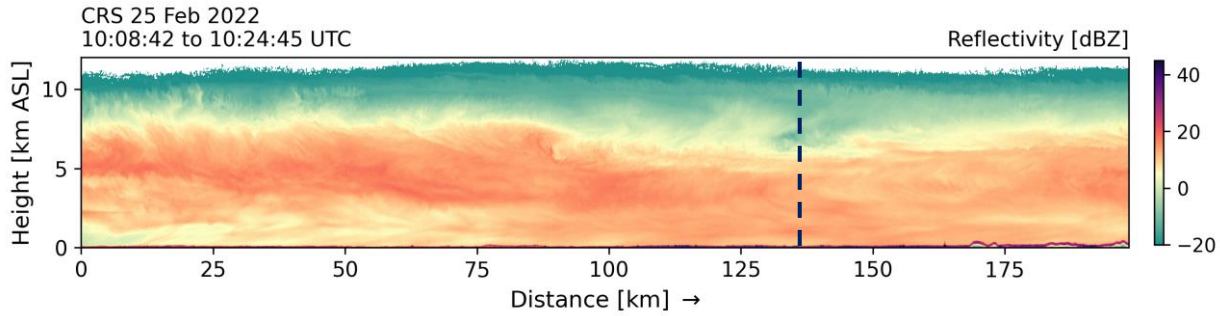

CRS 19 Feb 2022
15:58:48 to 16:10:28 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

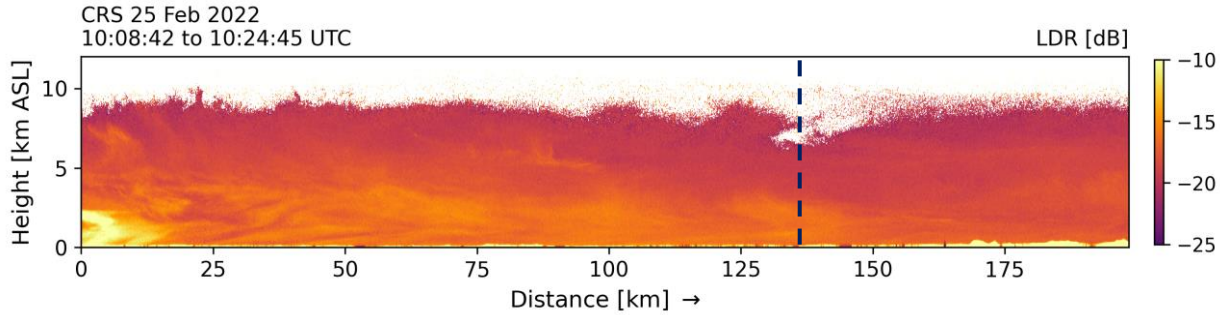

HIWRAP Ku-band 19 Feb 2022
15:58:48 to 16:10:28 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

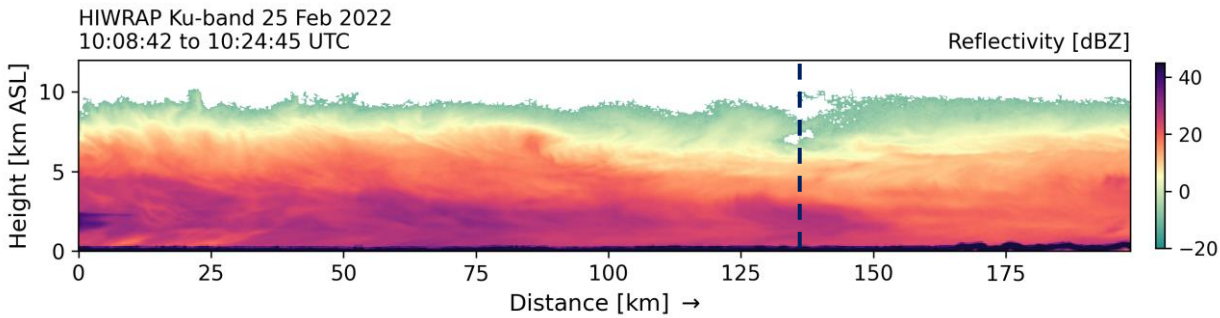

25 Feb 2022 10:14:10 UTC
Muted Reflectivity [dBZ]
25 Feb 2022 10:21:03 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

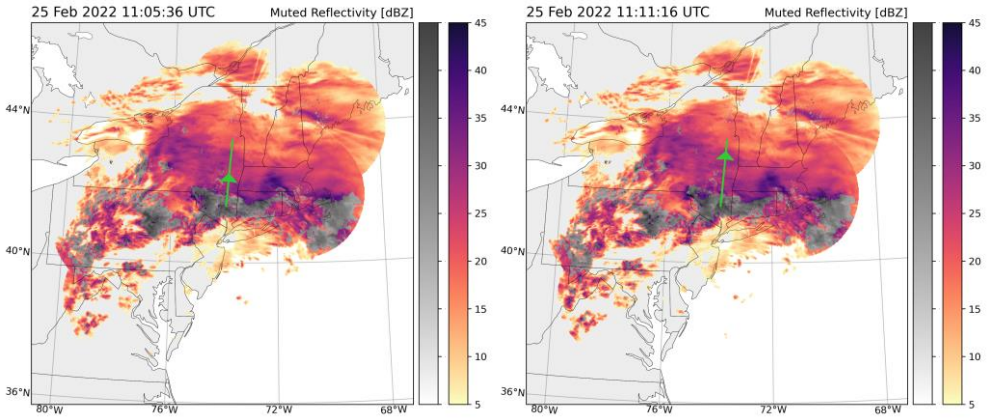

CRS 25 Feb 2022
10:08:42 to 10:24:45 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →
2.0
1.5
1.0
0.5
0.0

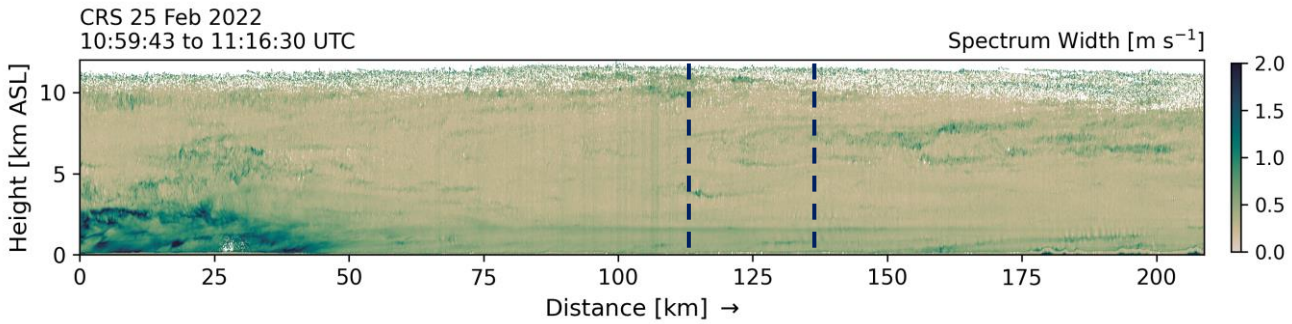

CRS 25 Feb 2022
10:08:42 to 10:24:45 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

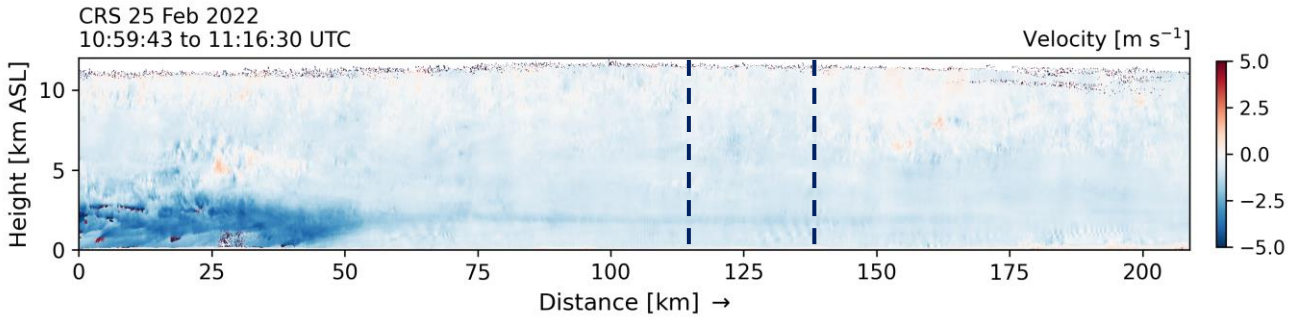

CRS 25 Feb 2022
10:08:42 to 10:24:45 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

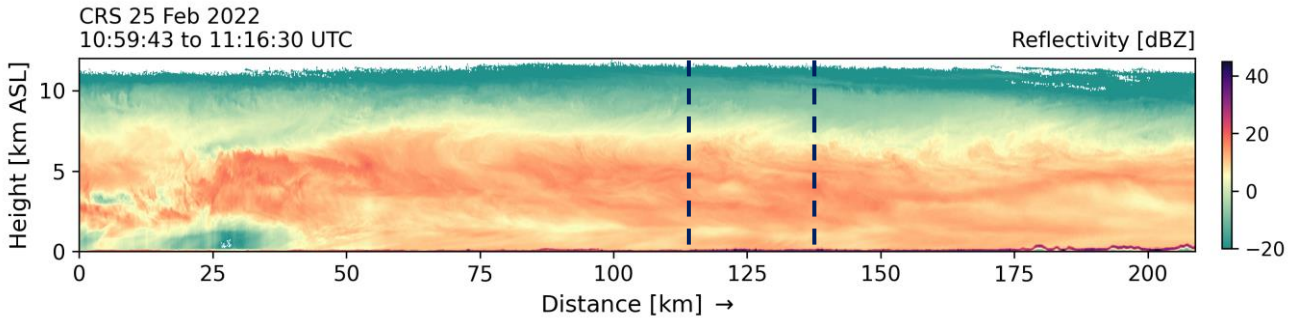

CRS 25 Feb 2022
10:08:42 to 10:24:45 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

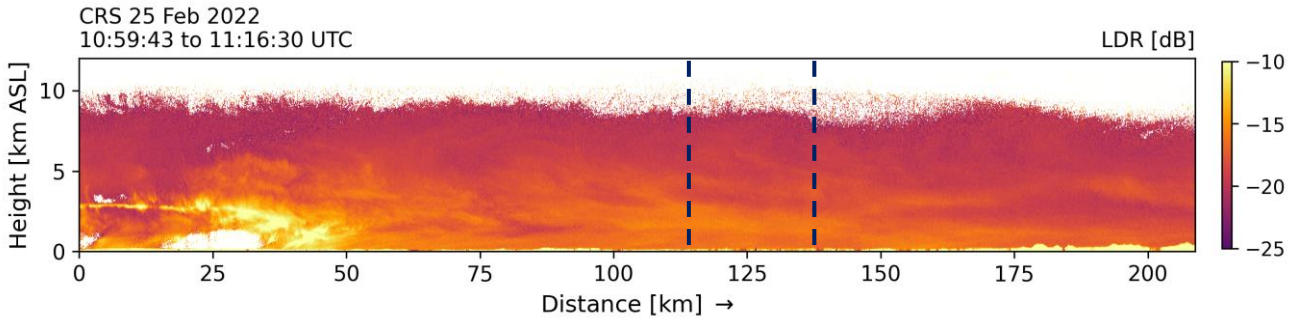

HIWRAP Ku-band 25 Feb 2022
10:08:42 to 10:24:45 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

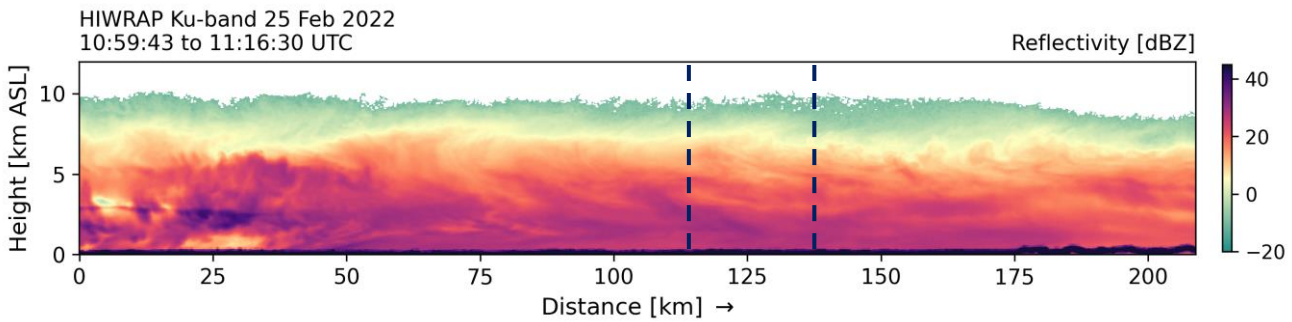

25 Feb 2022 11:05:36 UTC
Muted Reflectivity [dBZ]
25 Feb 2022 11:11:16 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W

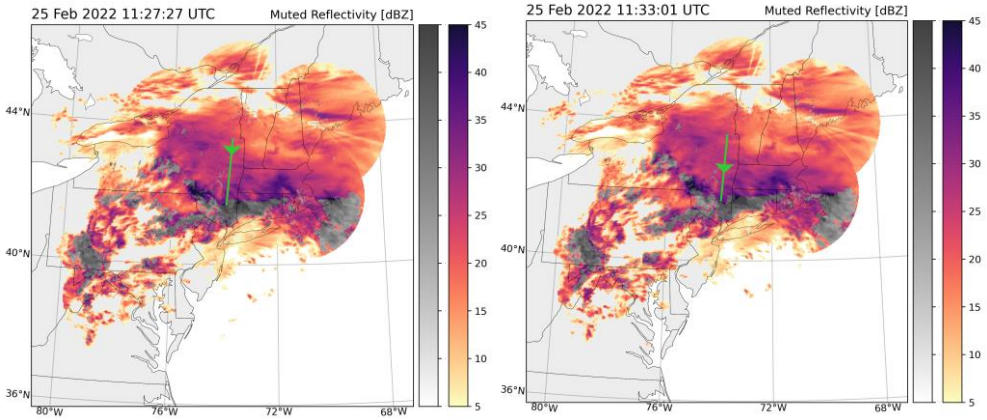

CRS 25 Feb 2022
10:59:43 to 11:16:30 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

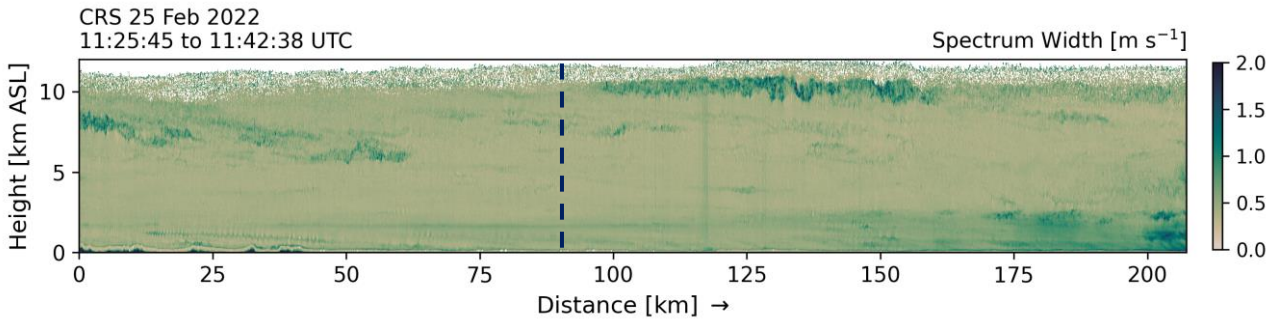

CRS 25 Feb 2022
10:59:43 to 11:16:30 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

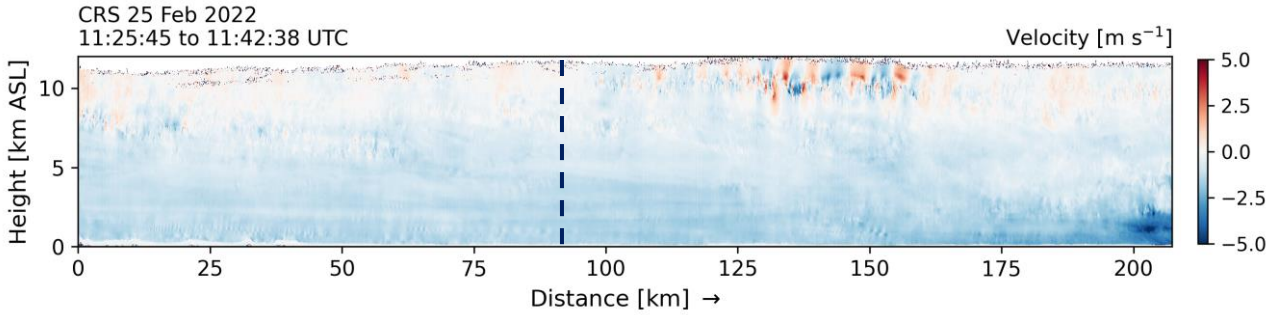

CRS 25 Feb 2022
10:59:43 to 11:16:30 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

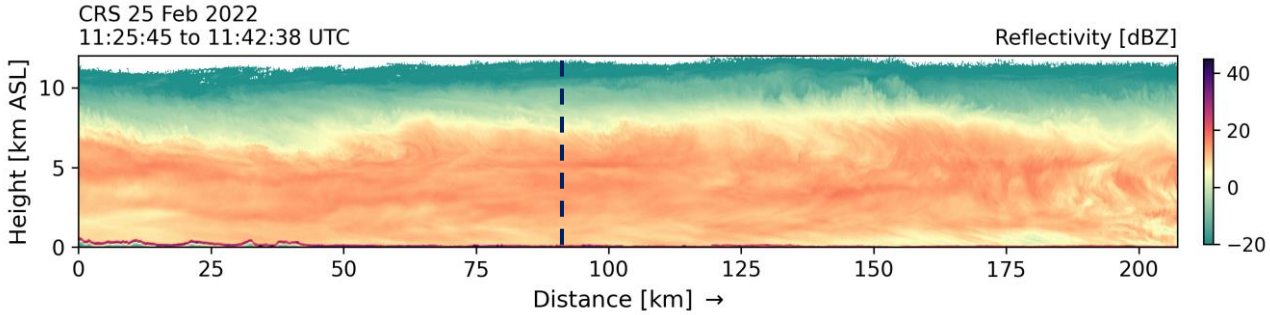

CRS 25 Feb 2022
10:59:43 to 11:16:30 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

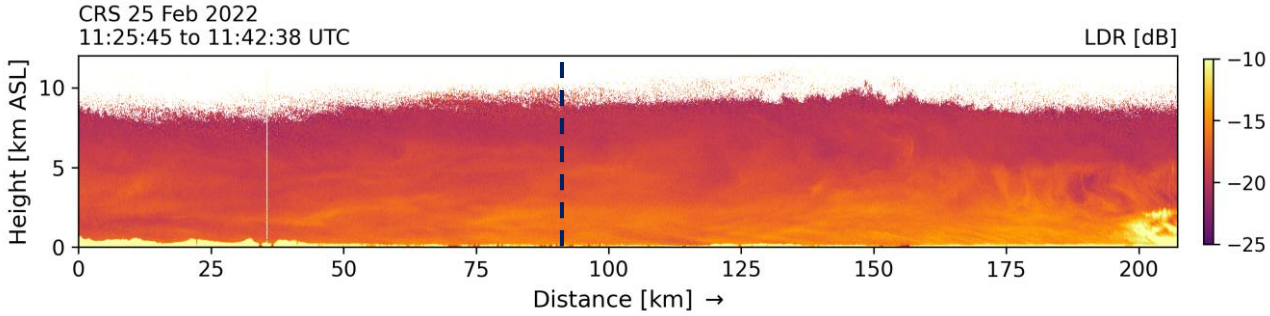

HIWRAP Ku-band 25 Feb 2022
10:59:43 to 11:16:30 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

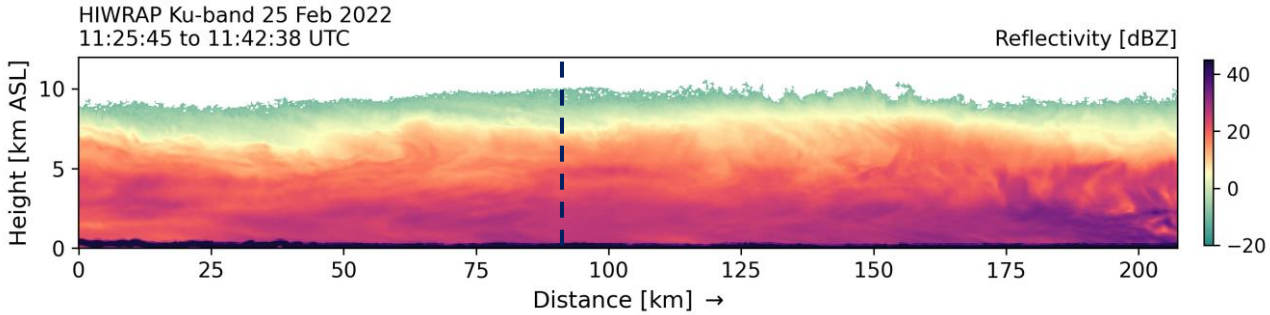

25 Feb 2022 11:27:27 UTC
Muted Reflectivity [dBZ]
25 Feb 2022 11:33:01 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W

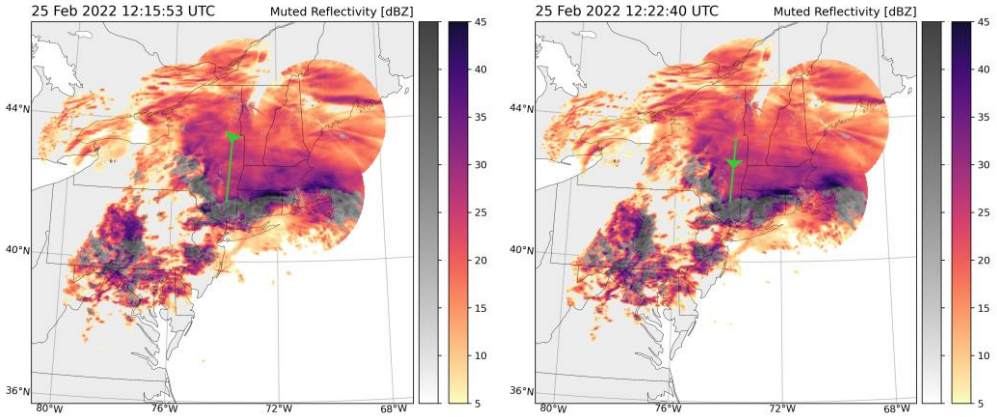

CRS 25 Feb 2022
11:25:45 to 11:42:38 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →

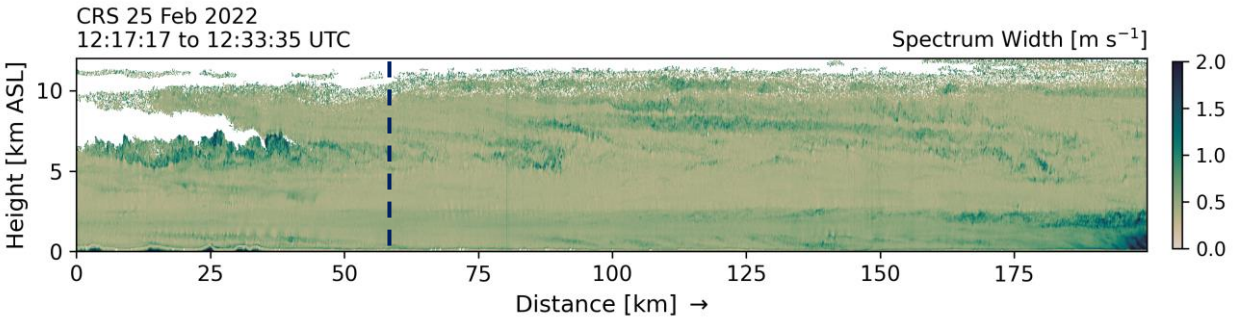

CRS 25 Feb 2022
11:25:45 to 11:42:38 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

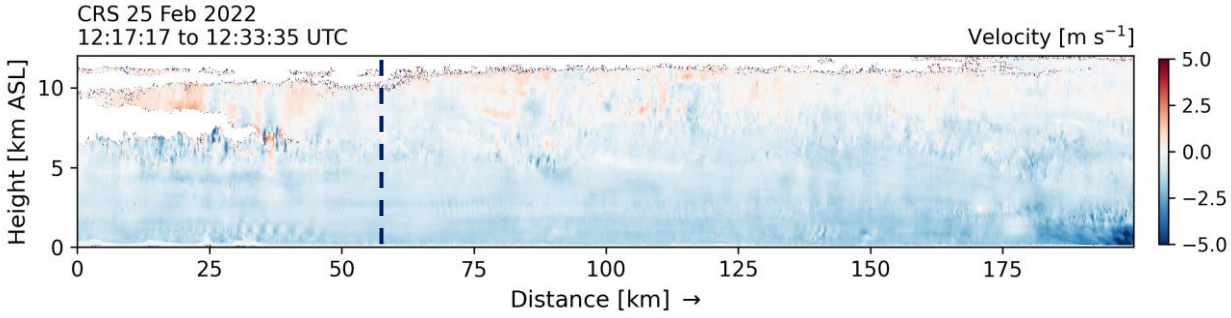

CRS 25 Feb 2022
11:25:45 to 11:42:38 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

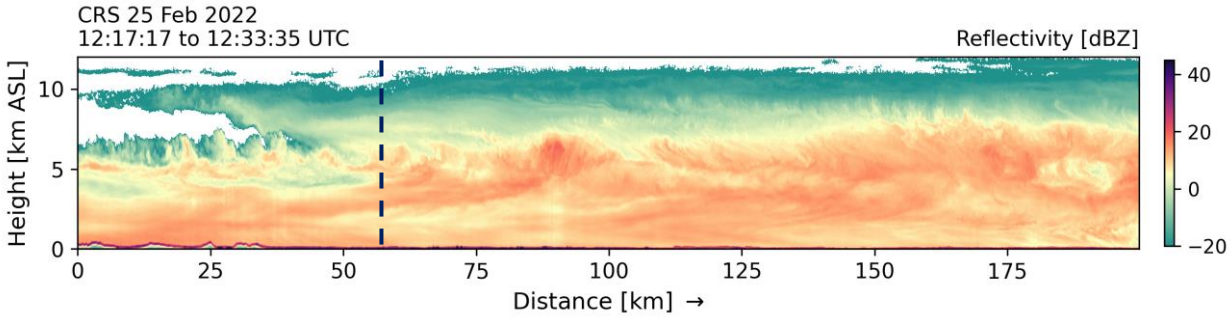

CRS 25 Feb 2022
11:25:45 to 11:42:38 UTC
LDR [dB]
Height [km ASL]
Distance [km] →

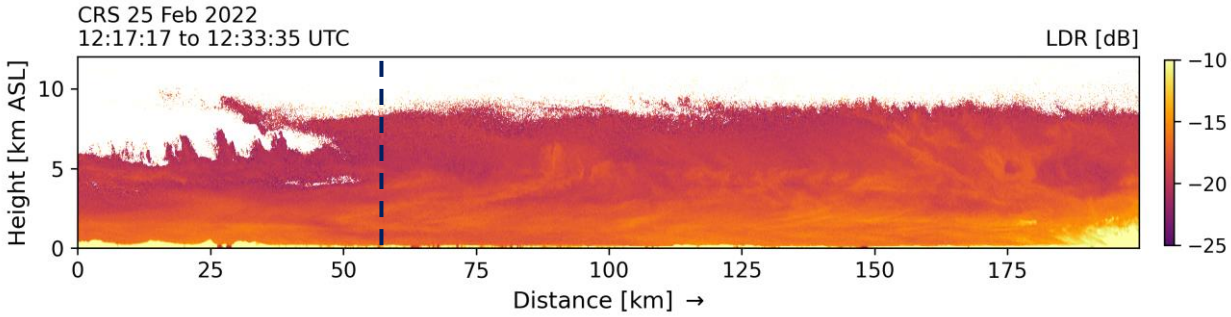

HIWRAP Ku-band 25 Feb 2022
11:25:45 to 11:42:38 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

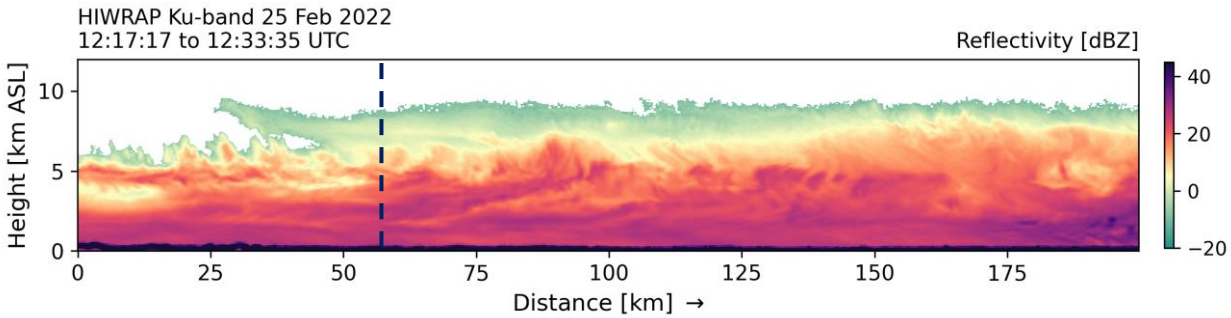

25 Feb 2022 12:15:53 UTC
Muted Reflectivity [dBZ]
25 Feb 2022 12:22:40 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

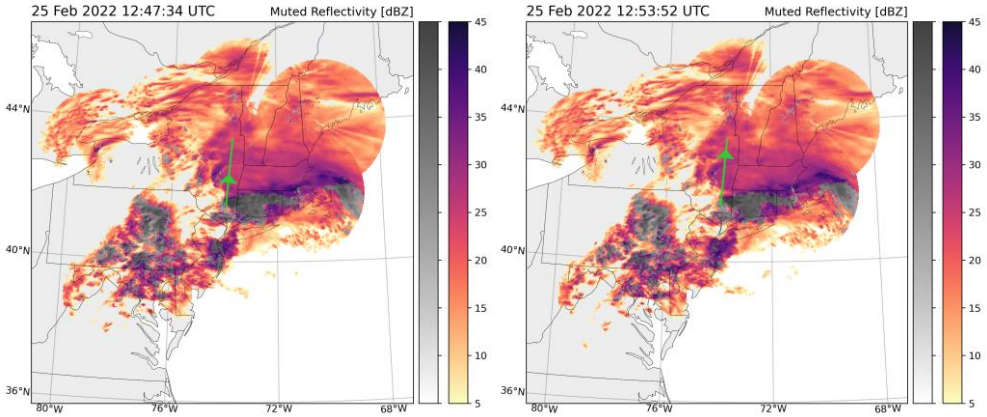

CRS 25 Feb 2022
12:17:17 to 12:33:35 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →
2.0
1.5
1.0
0.5
0.0

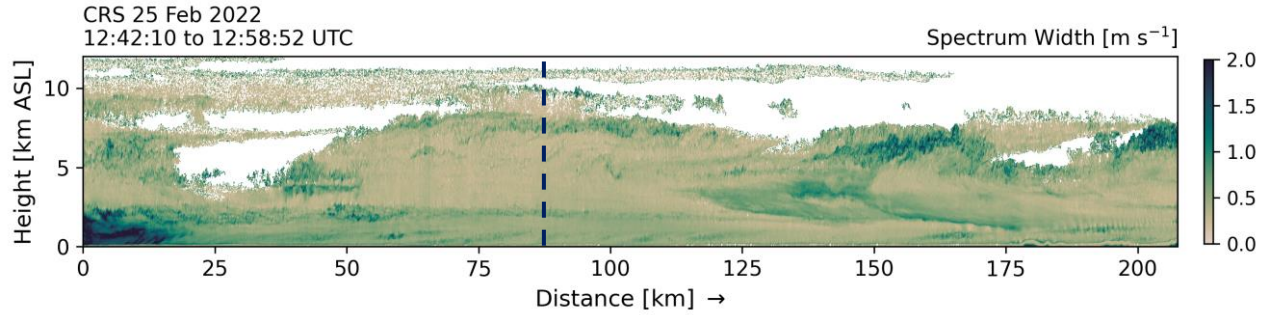

CRS 25 Feb 2022
12:17:17 to 12:33:35 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

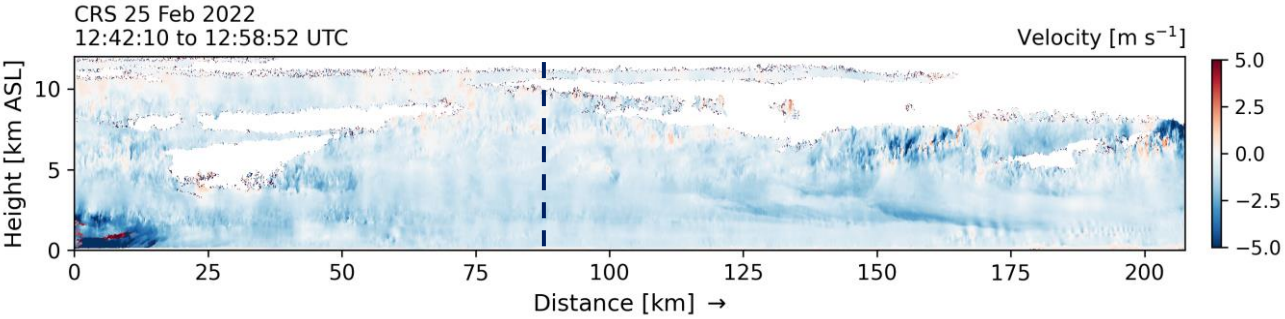

CRS 25 Feb 2022
12:17:17 to 12:33:35 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

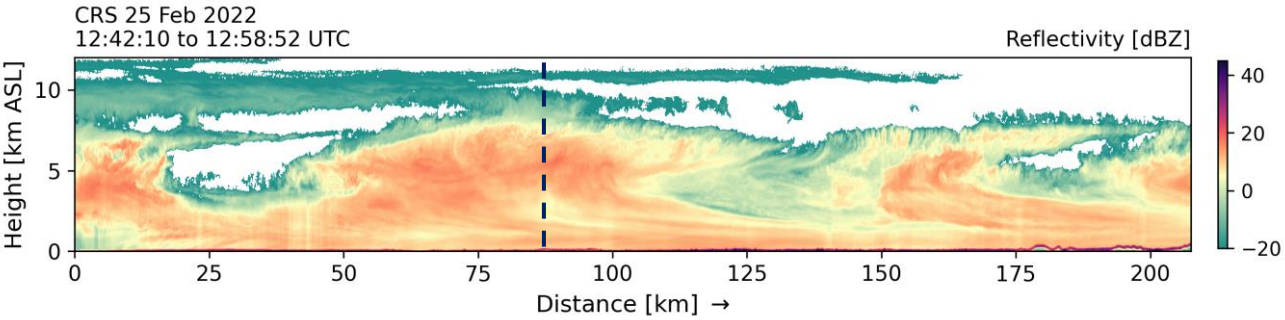

CRS 25 Feb 2022
12:17:17 to 12:33:35 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

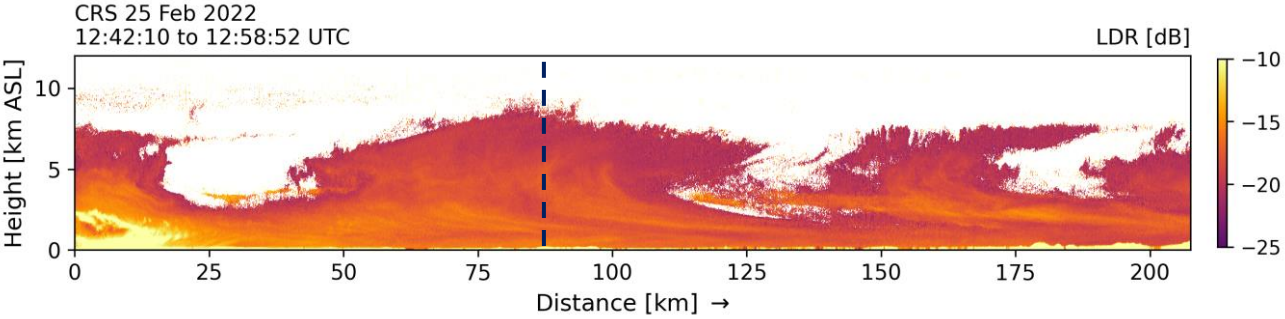

HIWRAP Ku-band 25 Feb 2022
12:17:17 to 12:33:35 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

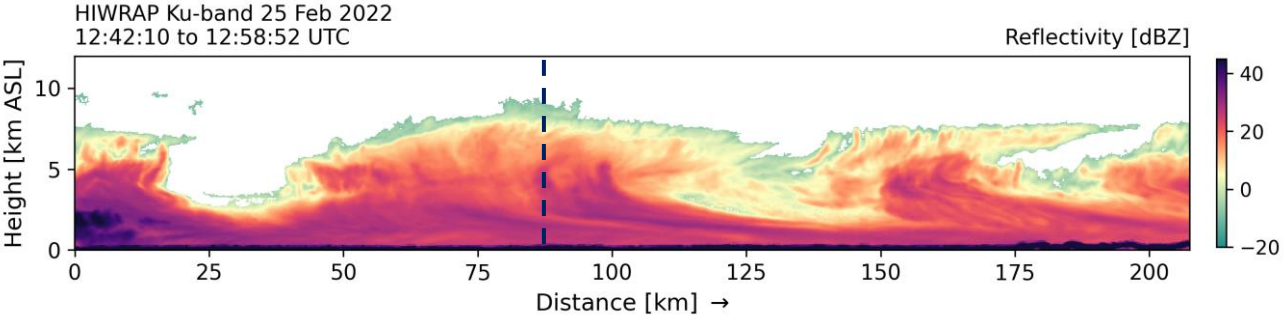

25 Feb 2022 12:47:34 UTC
Muted Reflectivity [dBZ]
25 Feb 2022 12:53:52 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W

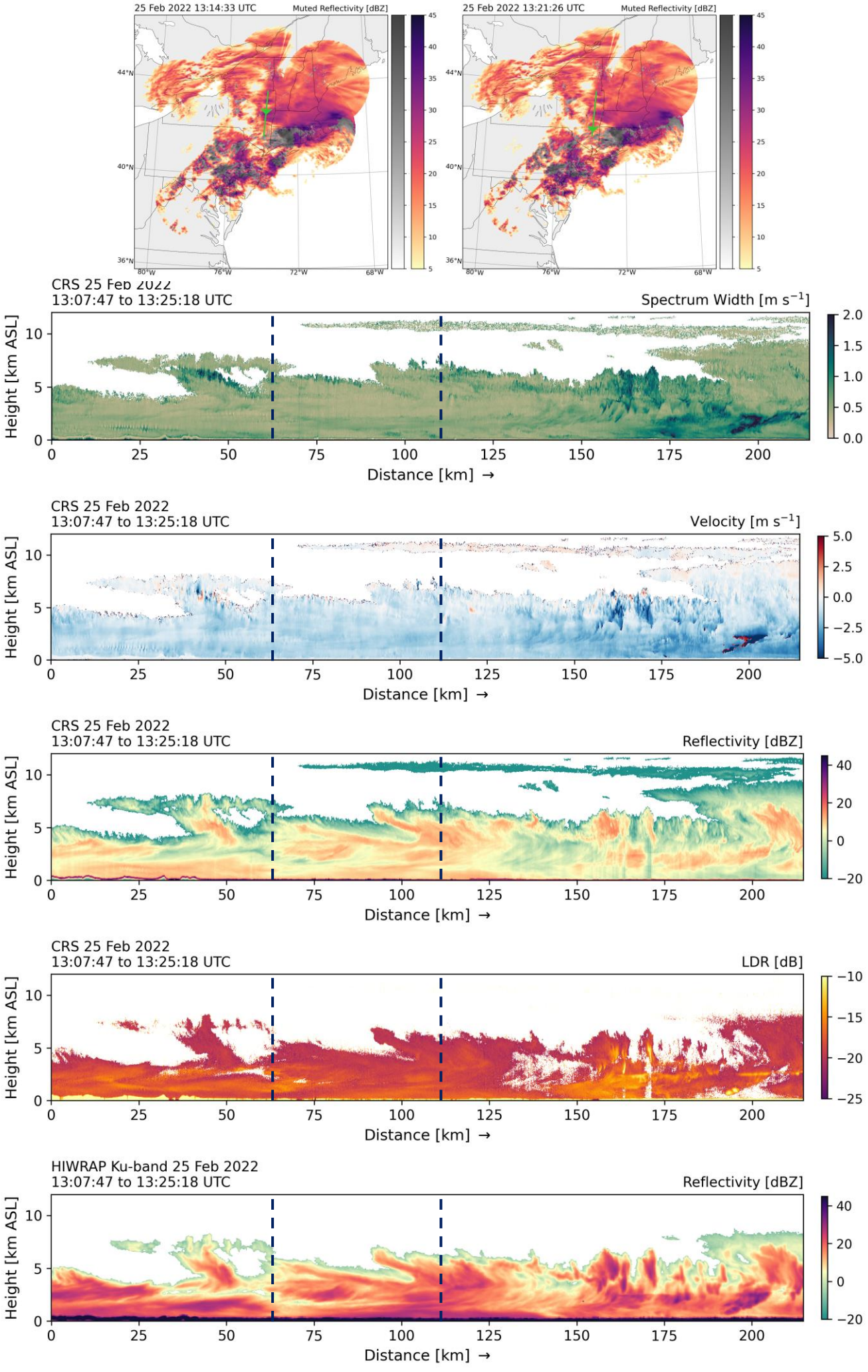

CRS 25 Feb 2022
12:42:10 to 12:58:52 UTC
Spectrum Width [m s$^{-1}$]
Height [km ASL]
Distance [km] →


CRS 25 Feb 2022
12:42:10 to 12:58:52 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →

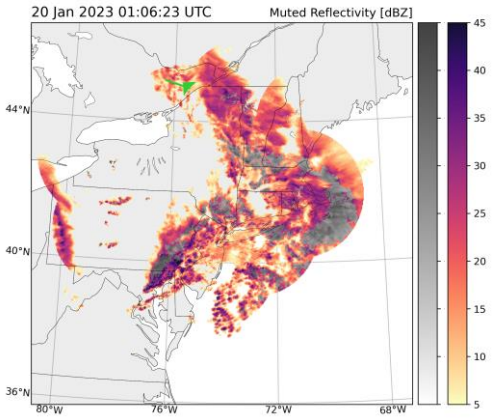

CRS 25 Feb 2022
12:42:10 to 12:58:52 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

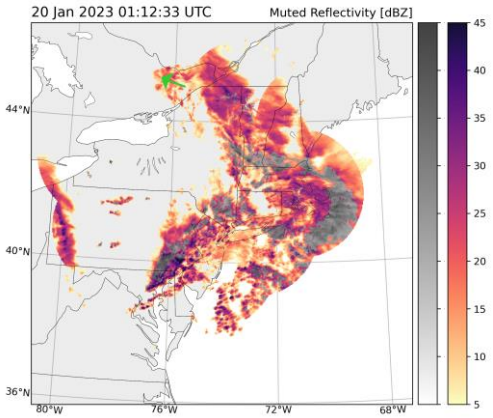

CRS 25 Feb 2022
12:42:10 to 12:58:52 UTC
LDR [dB]
Height [km ASL]
Distance [km] →


HIWRAP Ku-band 25 Feb 2022
12:42:10 to 12:58:52 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

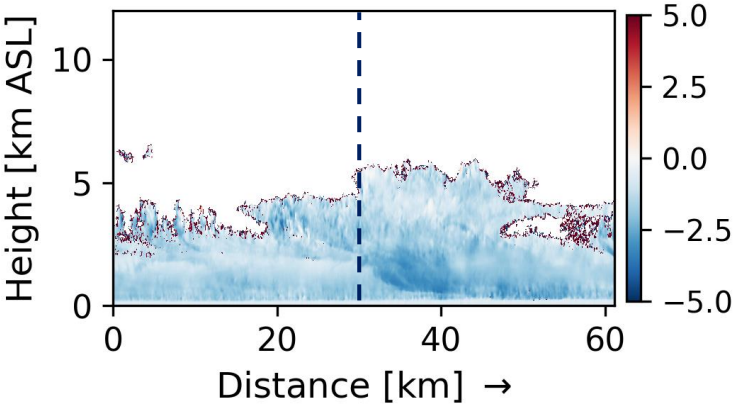

25 Feb 2022 13:14:33 UTC
Muted Reflectivity [dBZ]
25 Feb 2022 13:21:26 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
CRS 25 Feb 2022
13:07:47 to 13:25:18 UTC
Spectrum Width [m s$^{-1}$]
Velocity [m s$^{-1}$]
Reflectivity [dBZ]
LDR [dB]
HIWRAP Ku-band 25 Feb 2022
13:07:47 to 13:25:18 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

2023

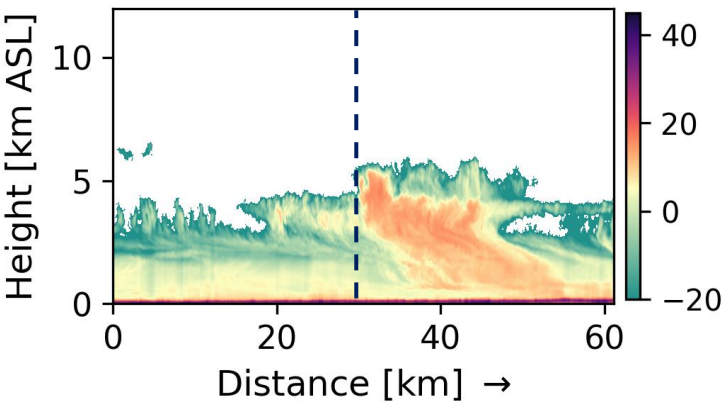


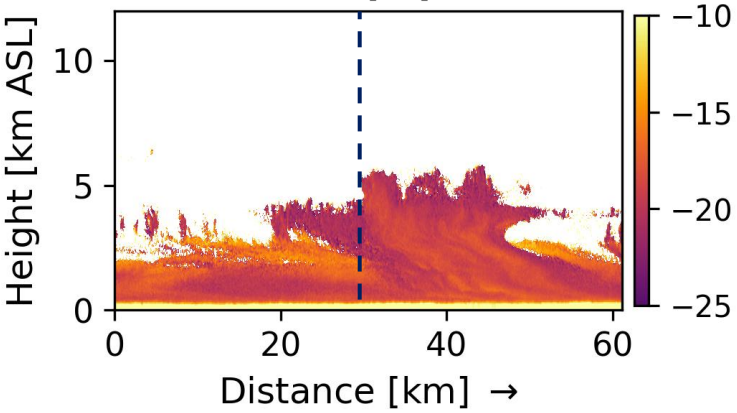

CRS 20 Jan 2023 01:08:07 to 01:13:36 UTC
Velocity [m $s^{-1}$]



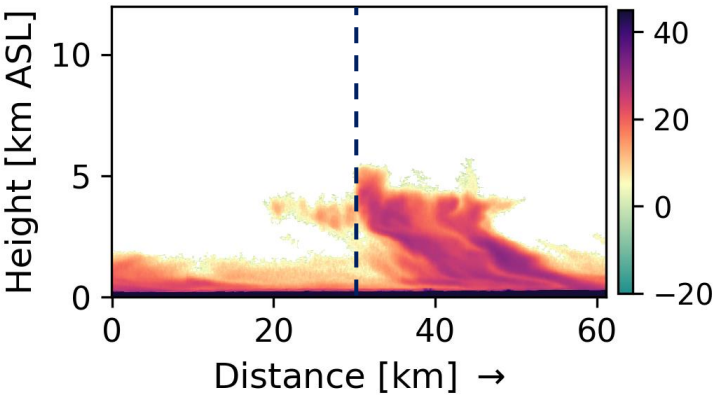

CRS 20 Jan 2023 01:08:07 to 01:13:36 UTC
Reflectivity [dBZ]

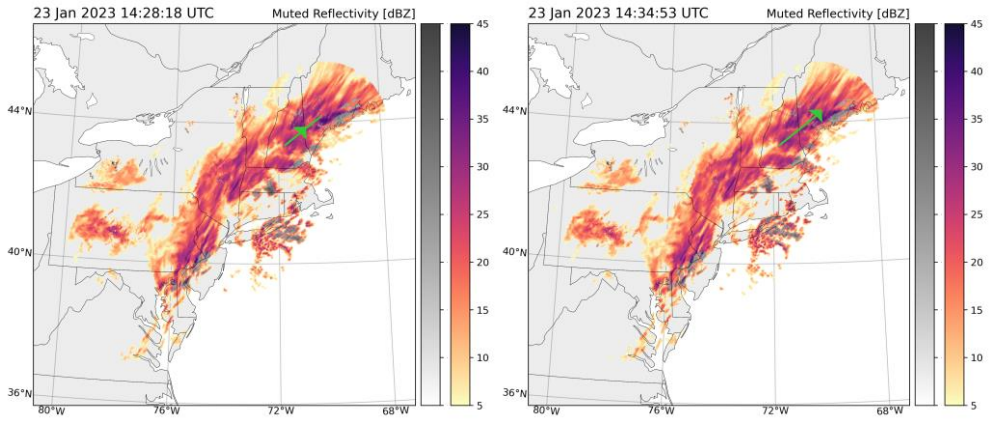


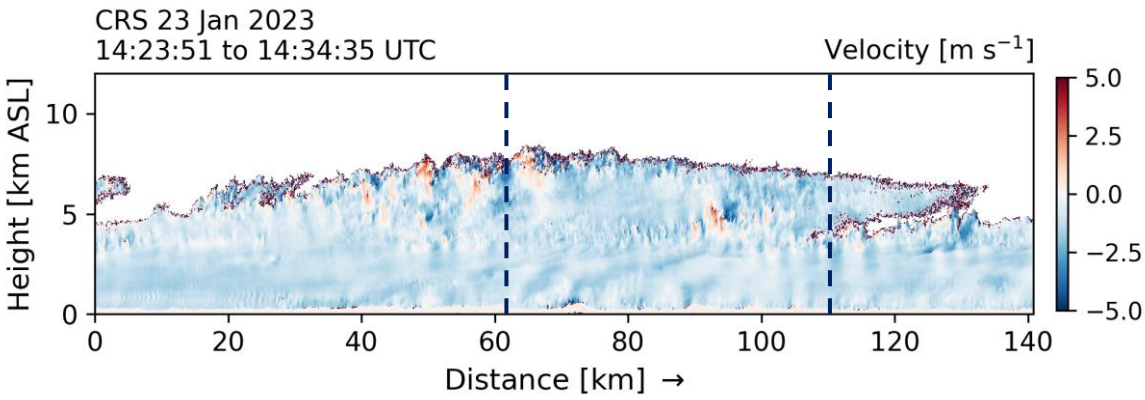

CRS 20 Jan 2023 01:08:07 to 01:13:36 UTC
LDR [dB]

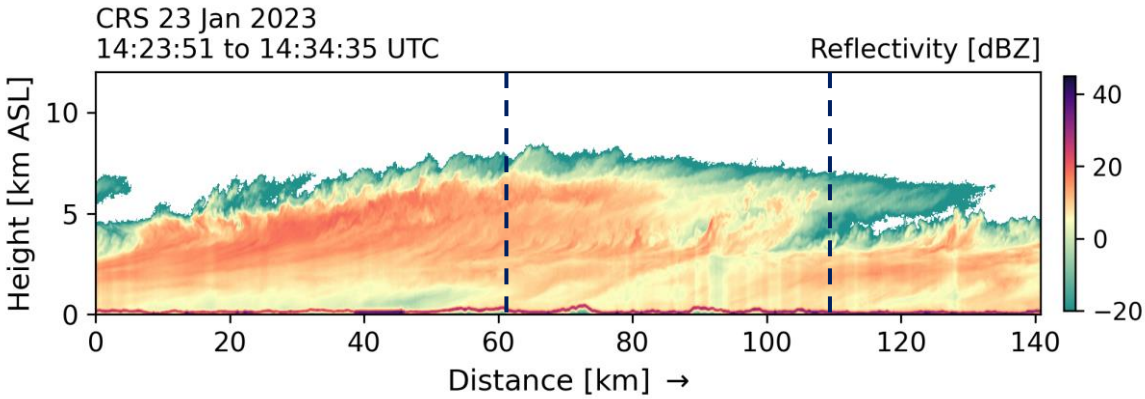


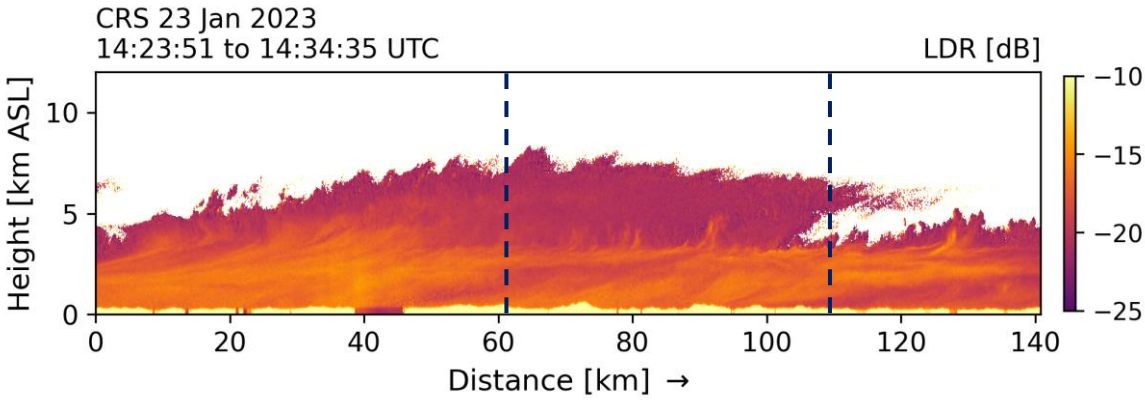

EXRAD 20 Jan 2023 01:08:07 to 01:13:36 UTC
Reflectivity [dBZ]

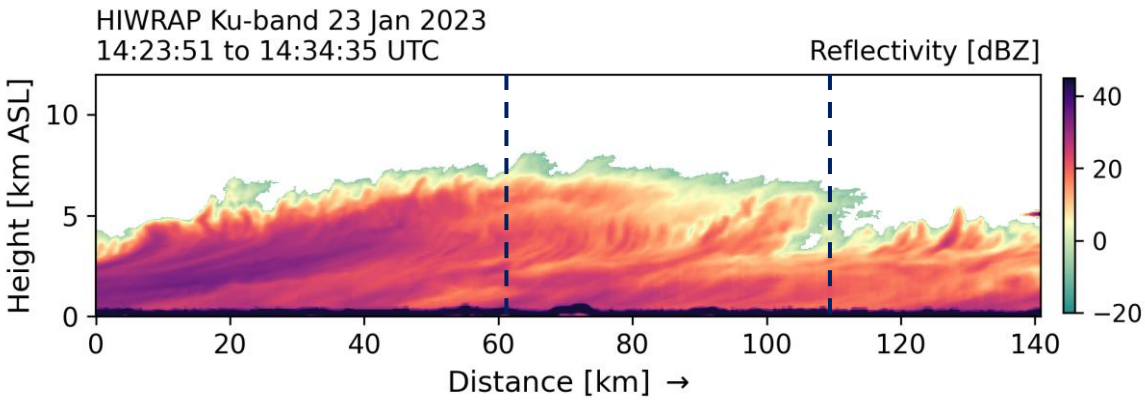


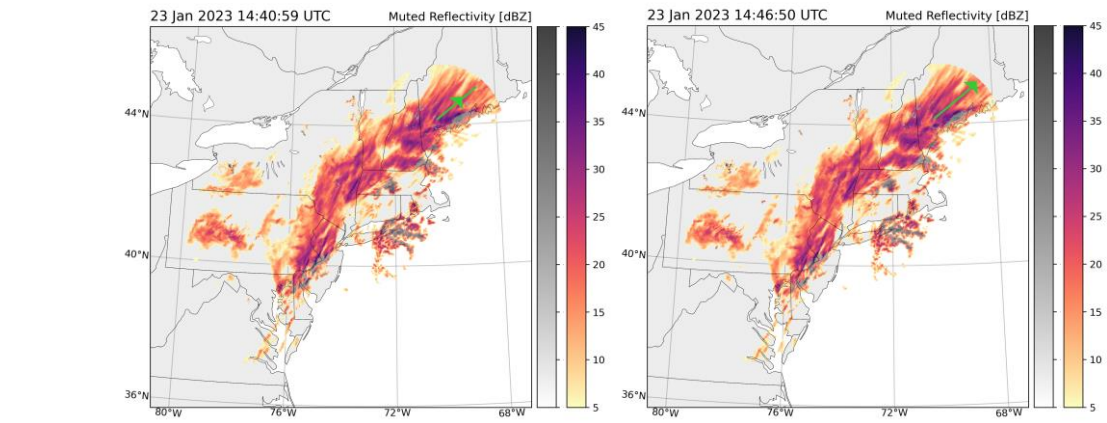

23 Jan 2023 14:28:18 UTC
Muted Reflectivity [dBZ]
23 Jan 2023 14:34:53 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

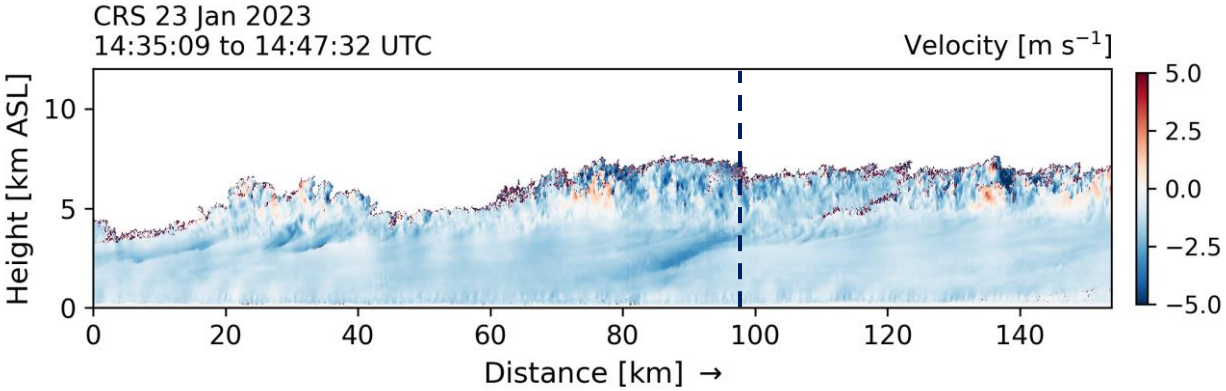

CRS 23 Jan 2023
14:23:51 to 14:34:35 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

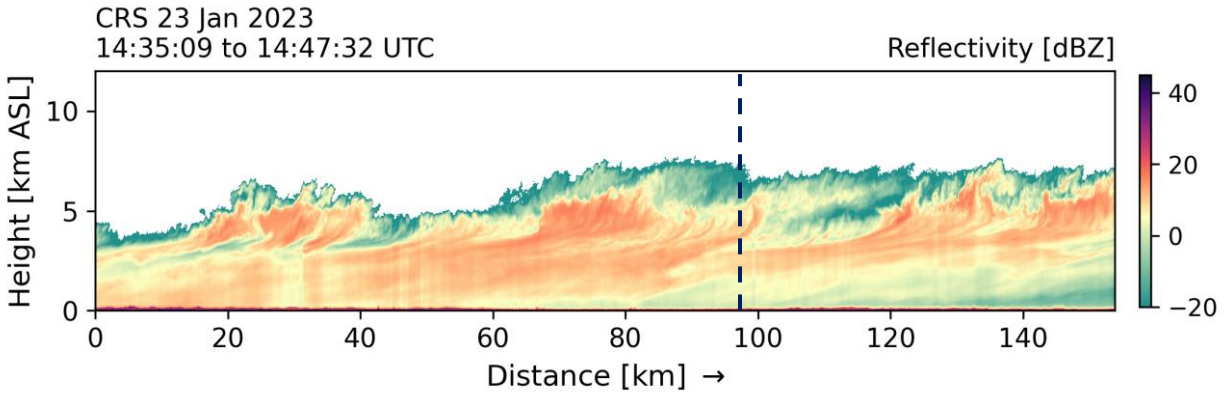

CRS 23 Jan 2023
14:23:51 to 14:34:35 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

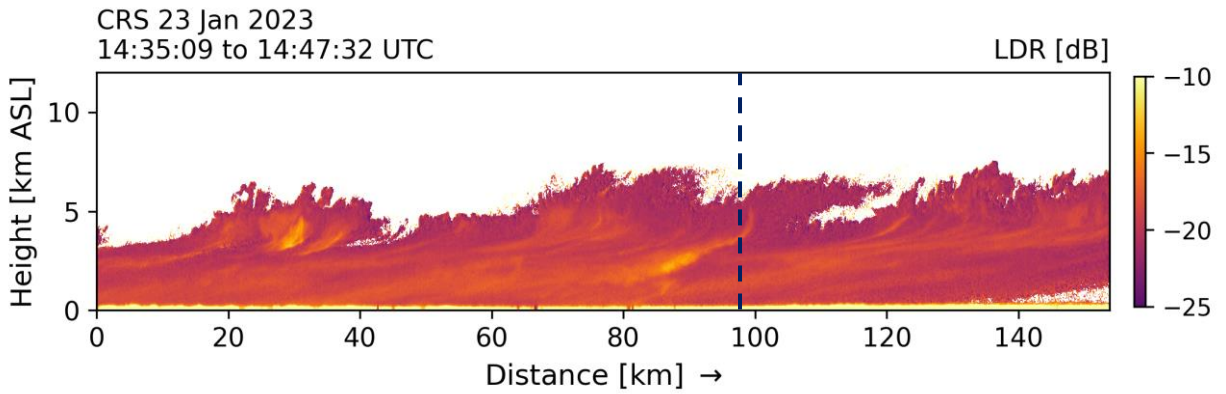

CRS 23 Jan 2023
14:23:51 to 14:34:35 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

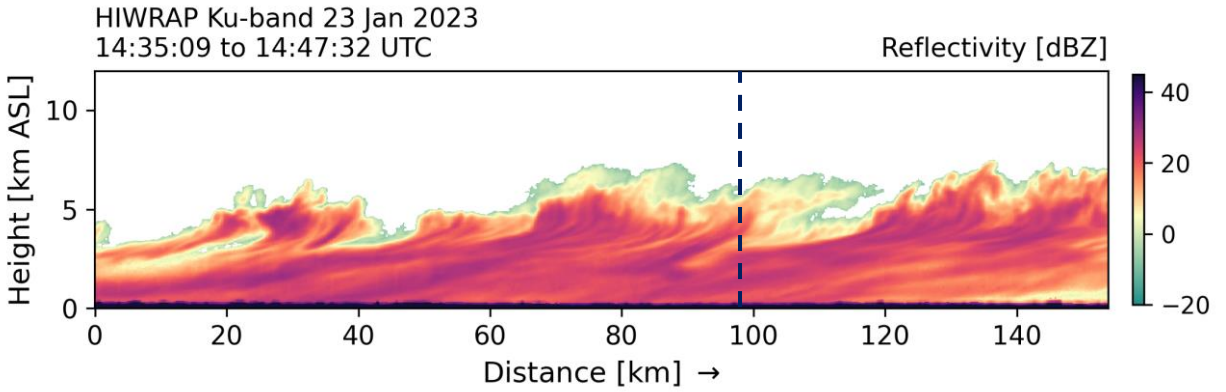

HIWRAP Ku-band 23 Jan 2023
14:23:51 to 14:34:35 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

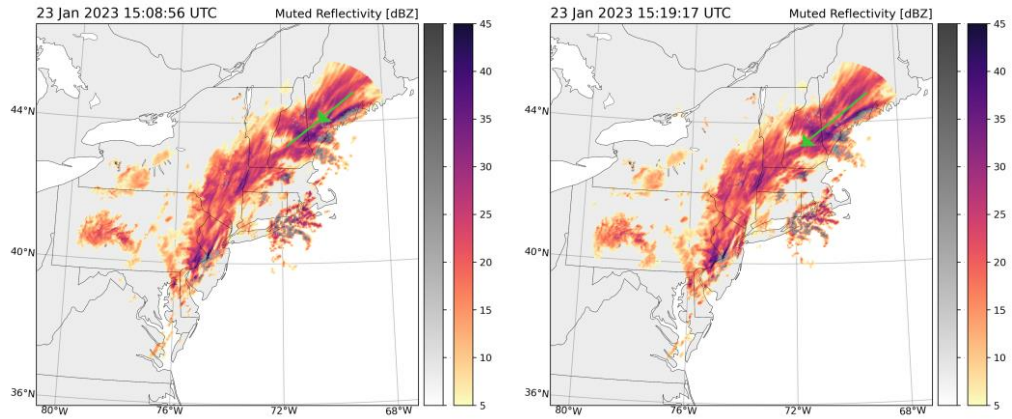

23 Jan 2023 14:40:59 UTC
Muted Reflectivity [dBZ]
23 Jan 2023 14:46:50 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

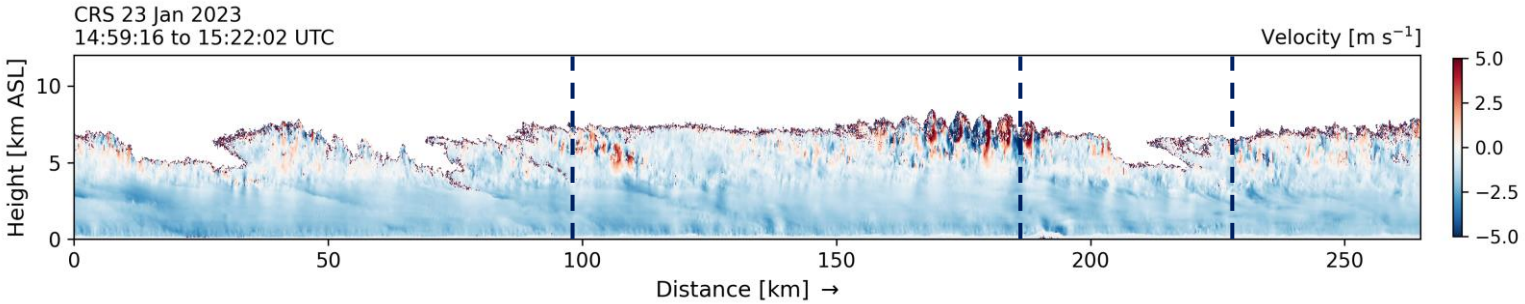

CRS 23 Jan 2023
14:35:09 to 14:47:32 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

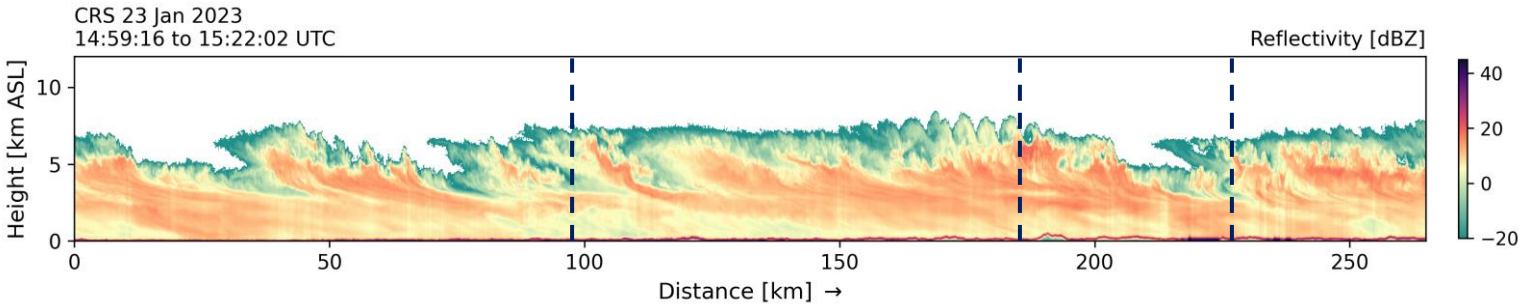

CRS 23 Jan 2023
14:35:09 to 14:47:32 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

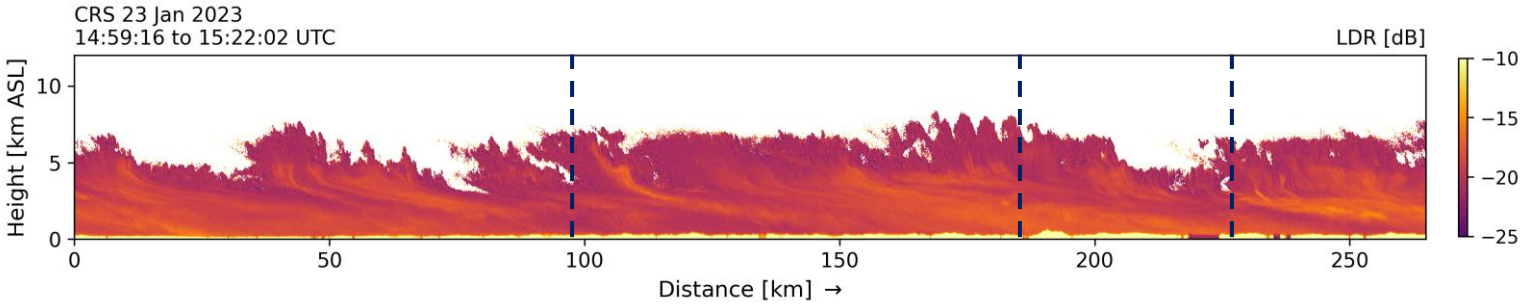

CRS 23 Jan 2023
14:35:09 to 14:47:32 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

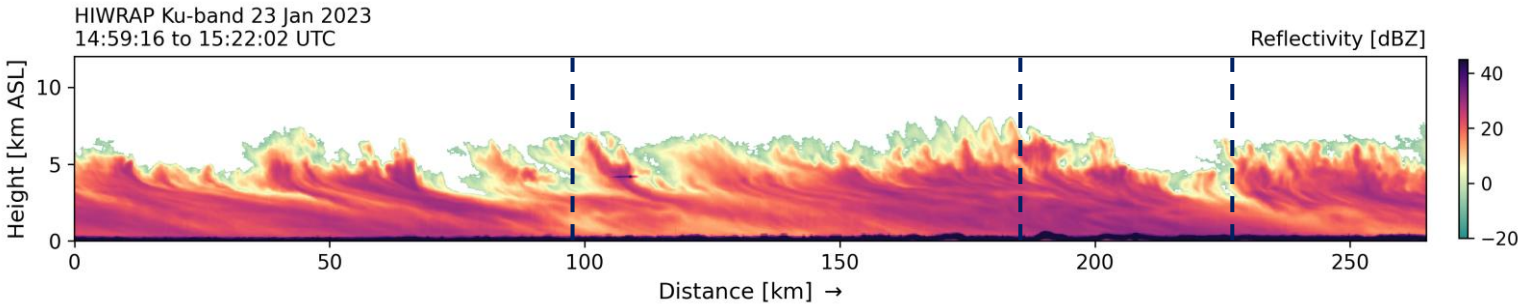

HIWRAP Ku-band 23 Jan 2023
14:35:09 to 14:47:32 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

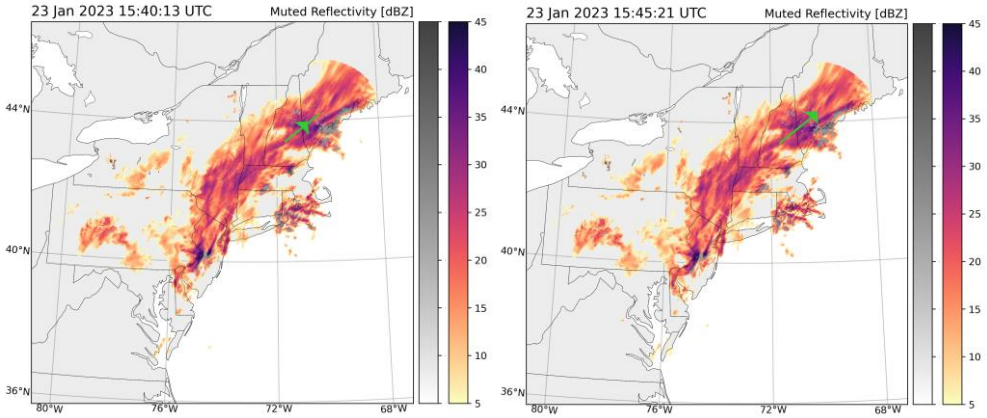

23 Jan 2023 15:08:56 UTC
Muted Reflectivity [dBZ]
23 Jan 2023 15:19:17 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

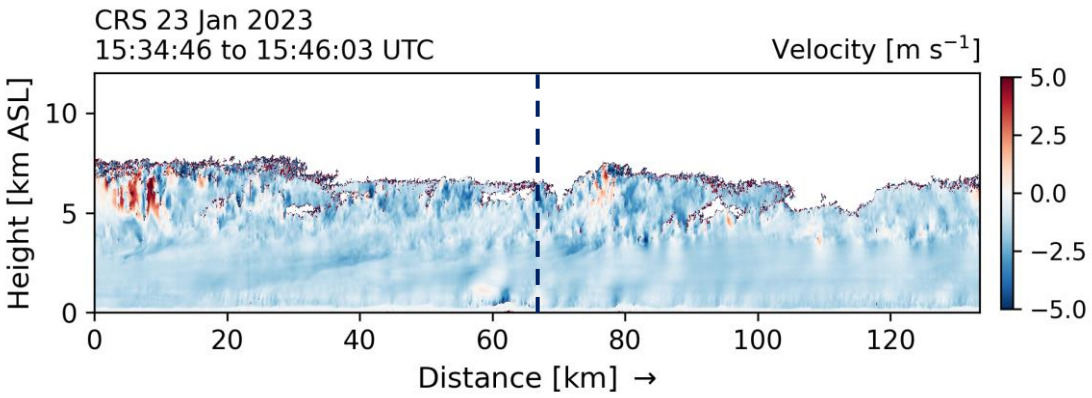

CRS 23 Jan 2023
14:59:16 to 15:22:02 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

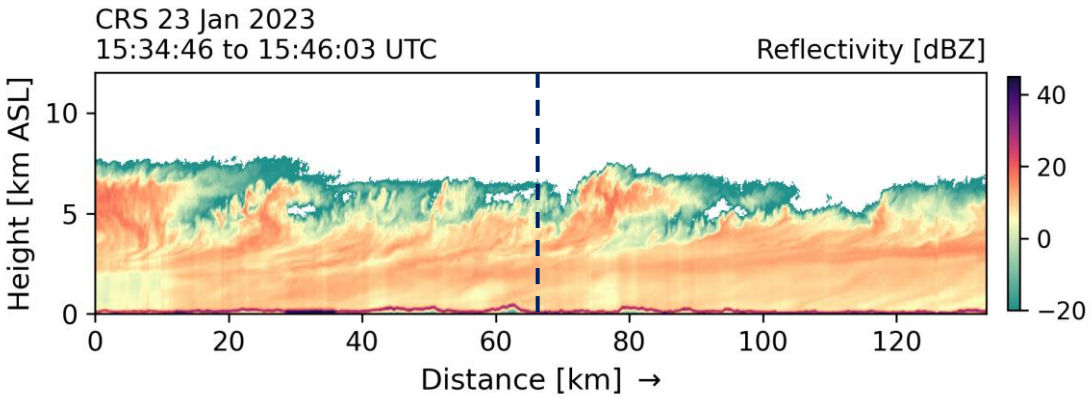

CRS 23 Jan 2023
14:59:16 to 15:22:02 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

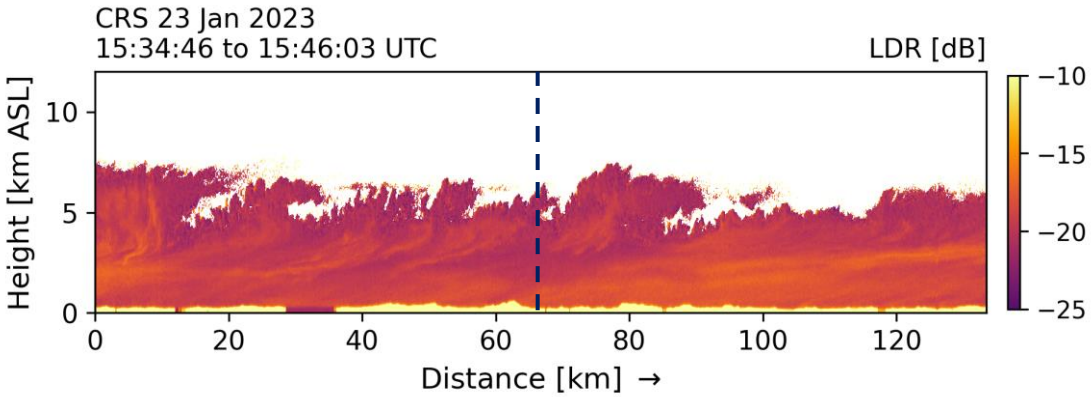

CRS 23 Jan 2023
14:59:16 to 15:22:02 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

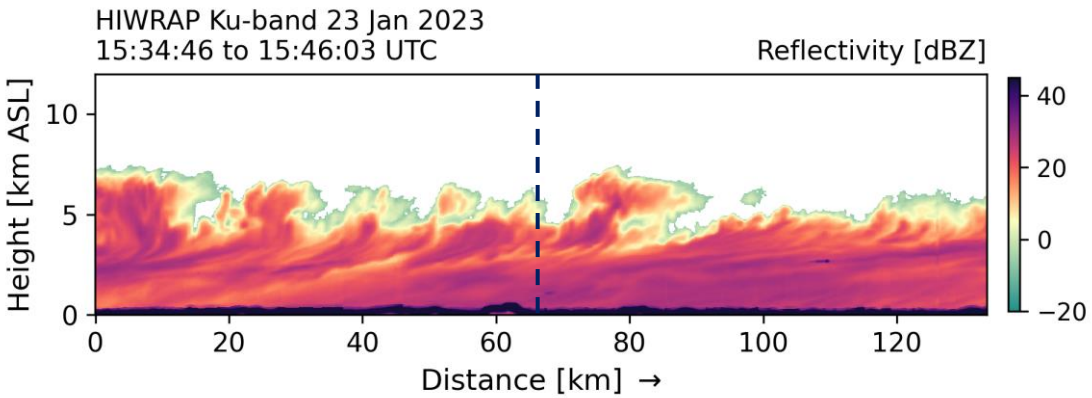

HIWRAP Ku-band 23 Jan 2023
14:59:16 to 15:22:02 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

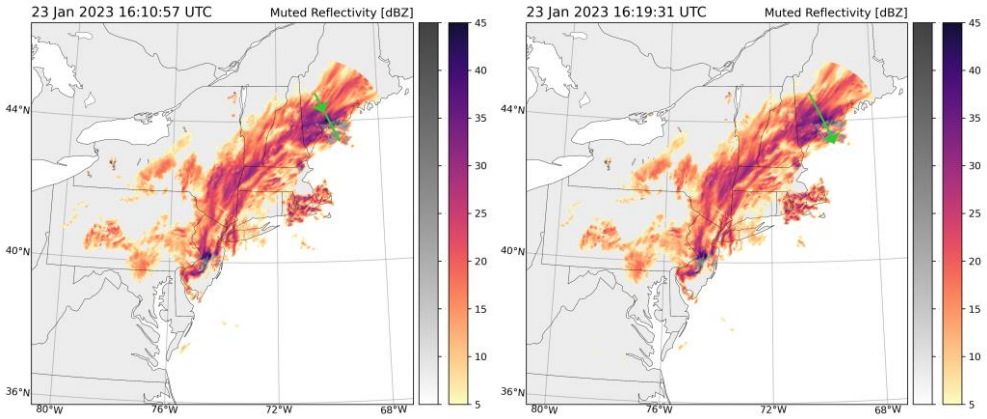

23 Jan 2023 15:40:13 UTC
Muted Reflectivity [dBZ]
23 Jan 2023 15:45:21 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

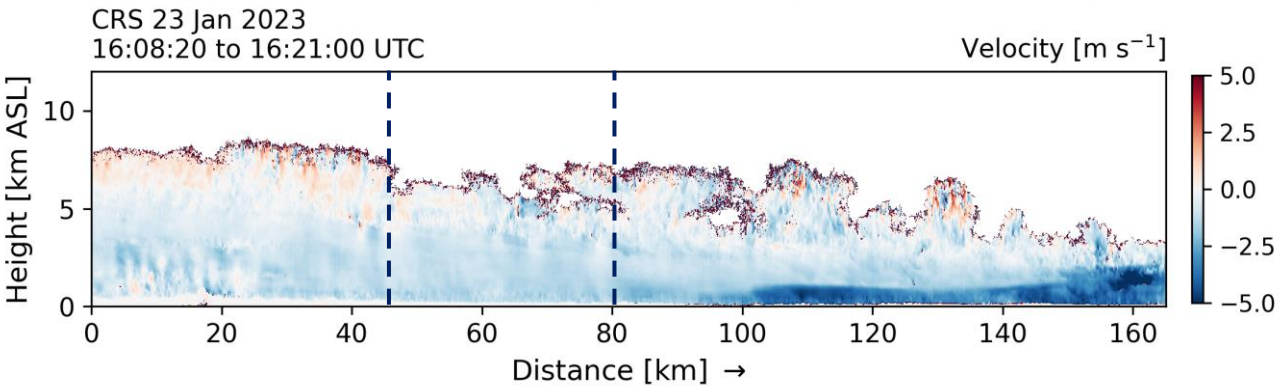

CRS 23 Jan 2023
15:34:46 to 15:46:03 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

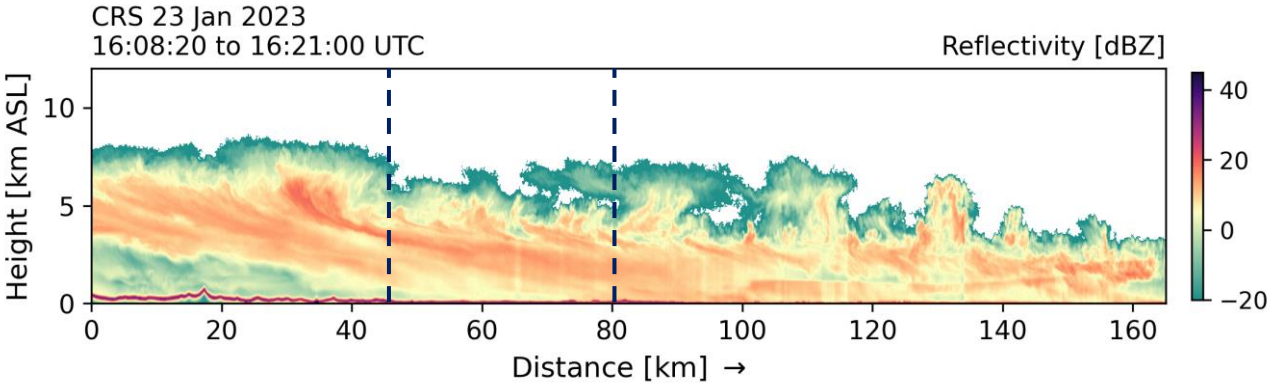

CRS 23 Jan 2023
15:34:46 to 15:46:03 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

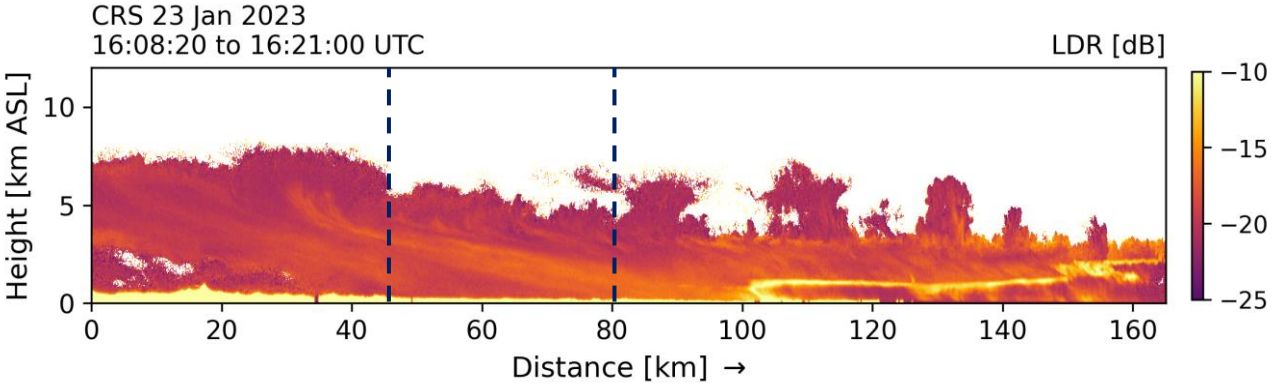

CRS 23 Jan 2023
15:34:46 to 15:46:03 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

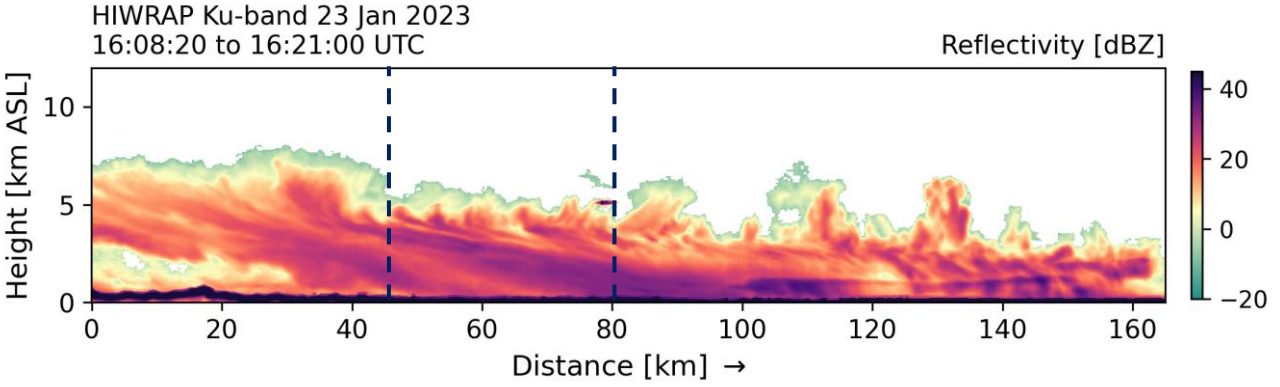

HIWRAP Ku-band 23 Jan 2023
15:34:46 to 15:46:03 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

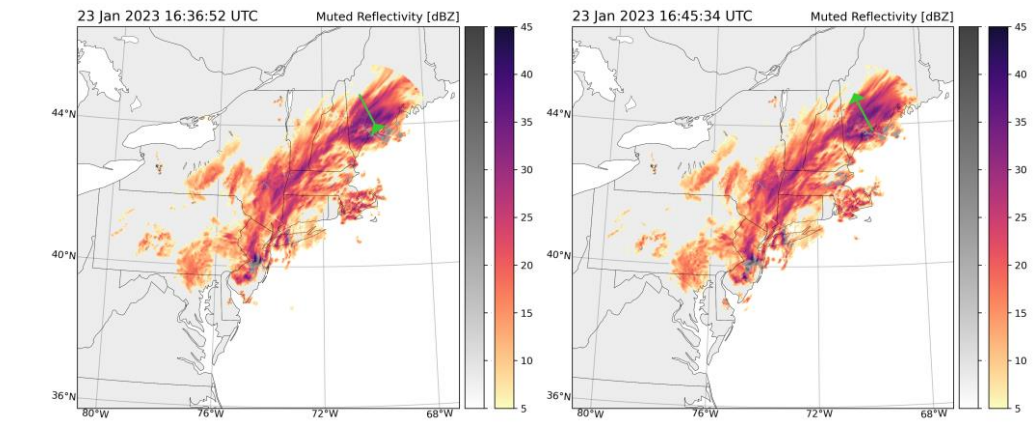

23 Jan 2023 16:10:57 UTC
Muted Reflectivity [dBZ]
23 Jan 2023 16:19:31 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

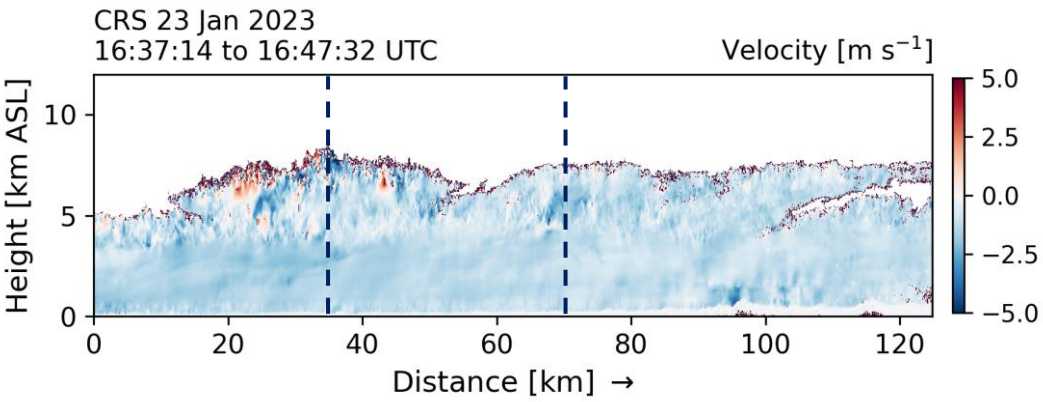

CRS 23 Jan 2023
16:08:20 to 16:21:00 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

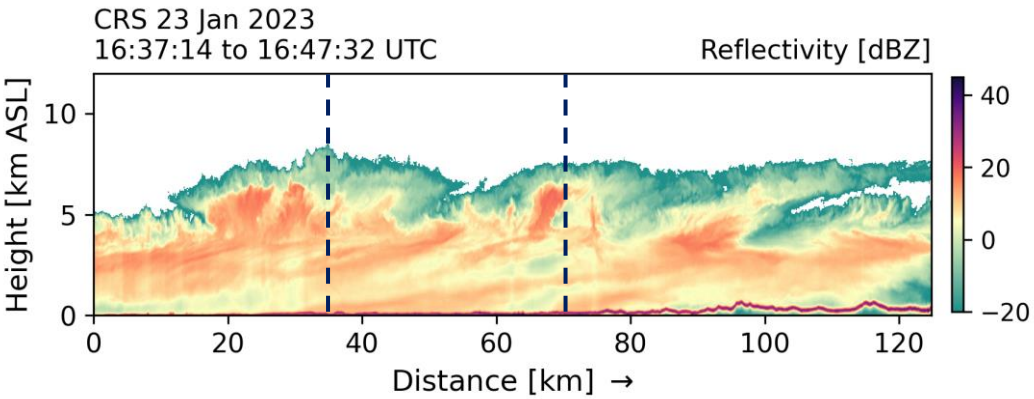

CRS 23 Jan 2023
16:08:20 to 16:21:00 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

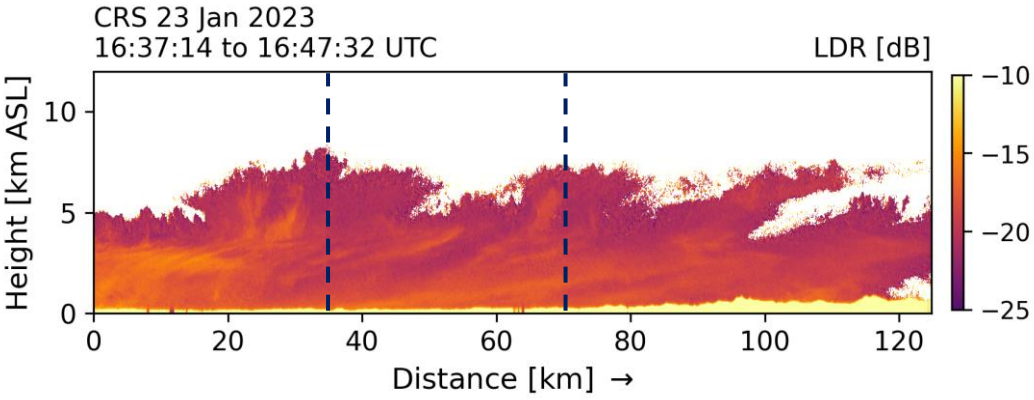

CRS 23 Jan 2023
16:08:20 to 16:21:00 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

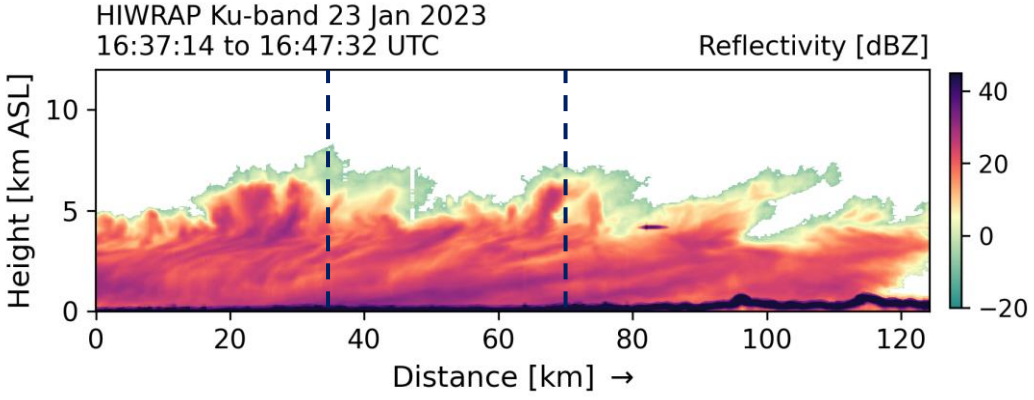

HIWRAP Ku-band 23 Jan 2023
16:08:20 to 16:21:00 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

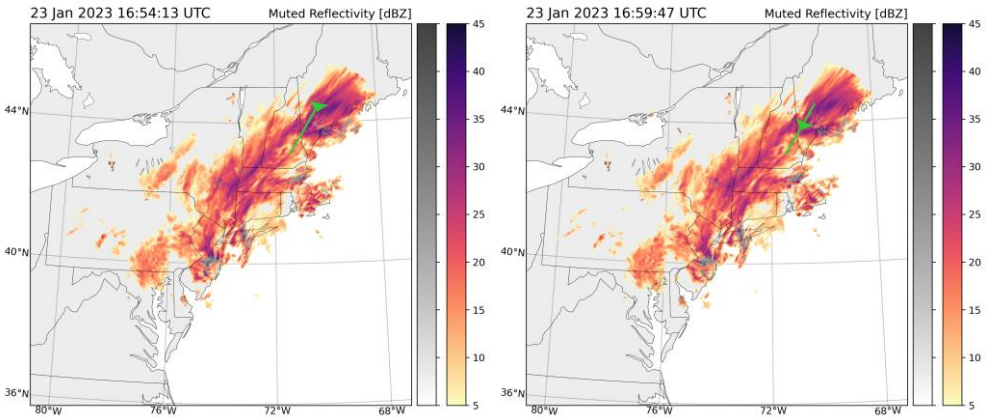

23 Jan 2023 16:36:52 UTC
Muted Reflectivity [dBZ]
23 Jan 2023 16:45:34 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

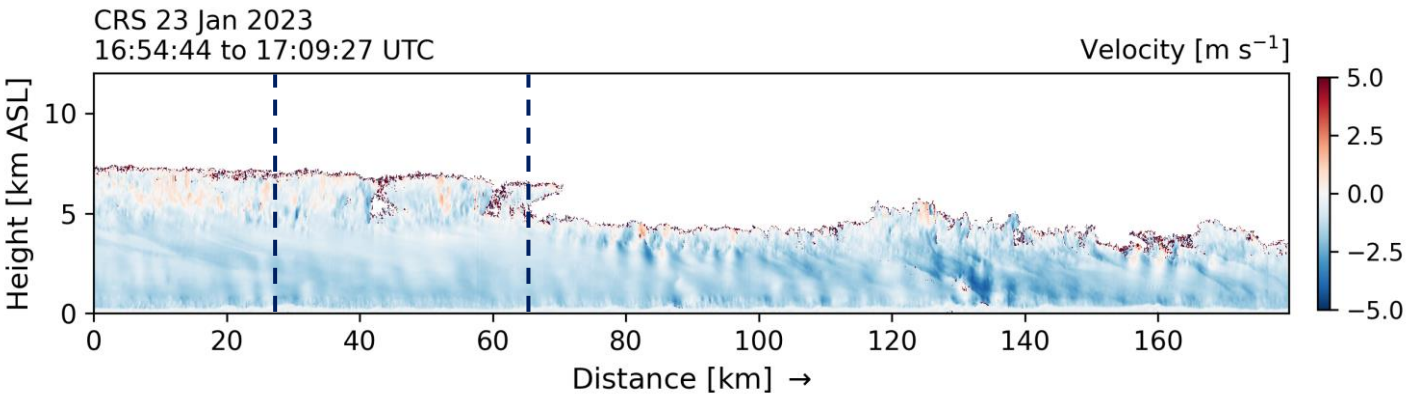

CRS 23 Jan 2023
16:37:14 to 16:47:32 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

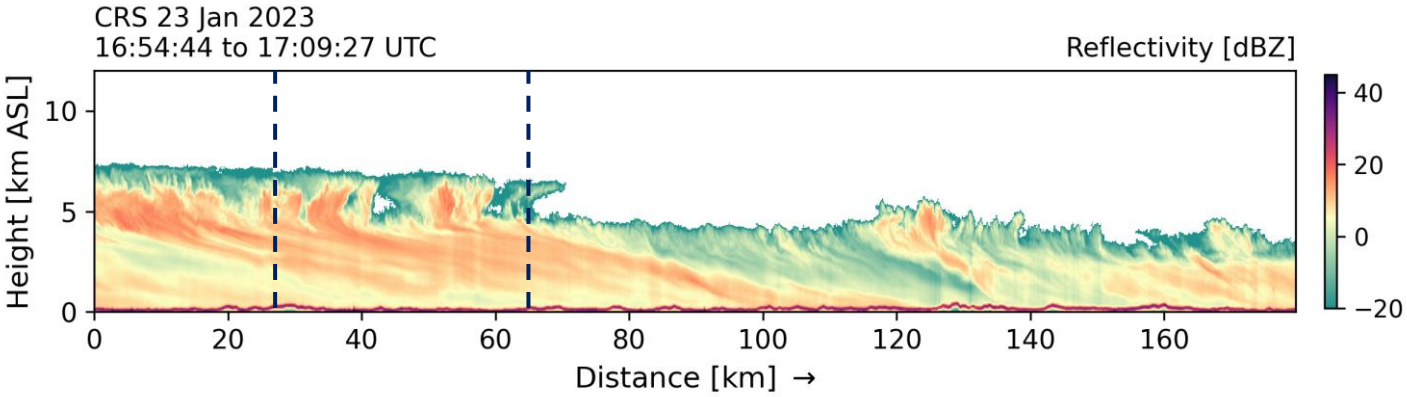

CRS 23 Jan 2023
16:37:14 to 16:47:32 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

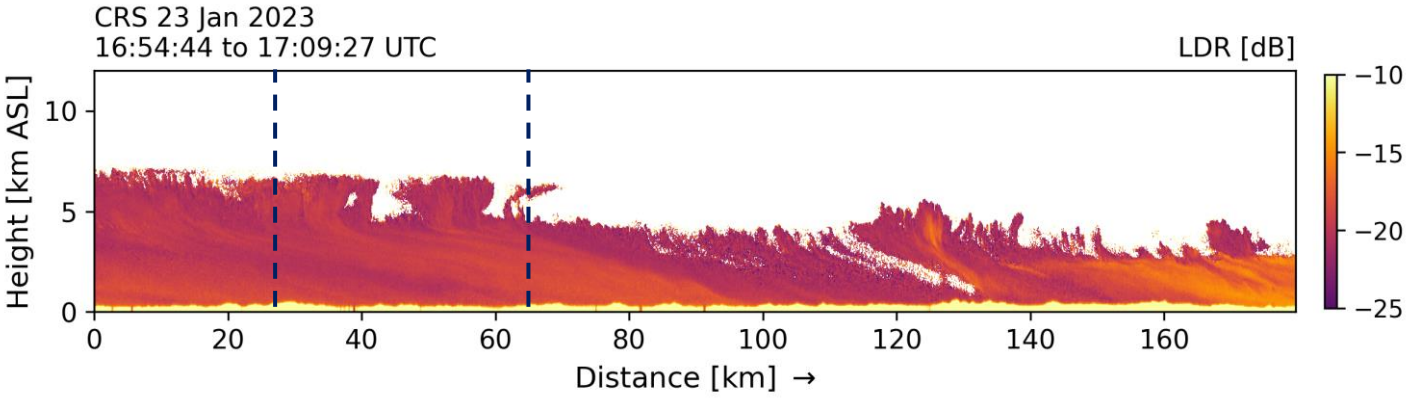

CRS 23 Jan 2023
16:37:14 to 16:47:32 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

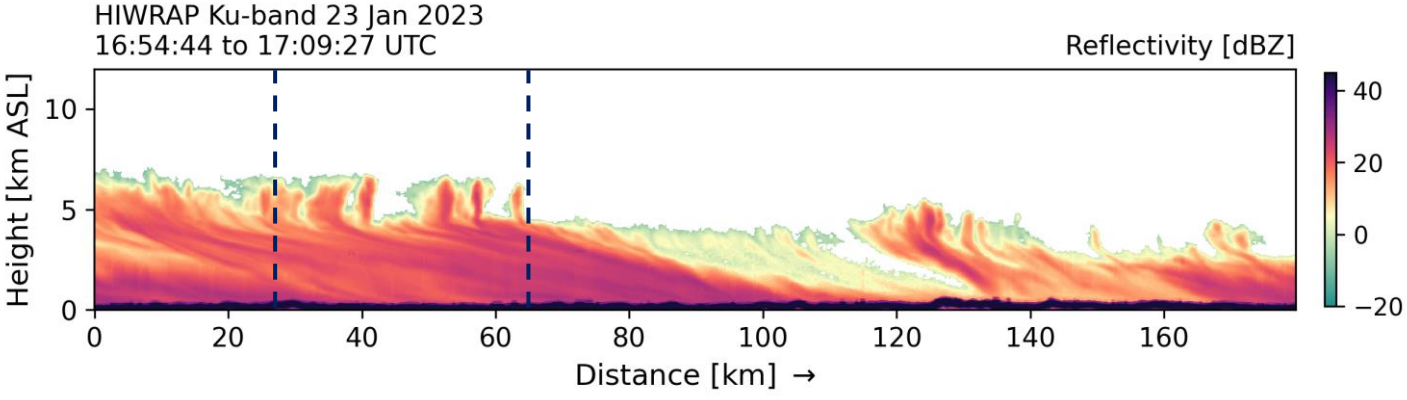

HIWRAP Ku-band 23 Jan 2023
16:37:14 to 16:47:32 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

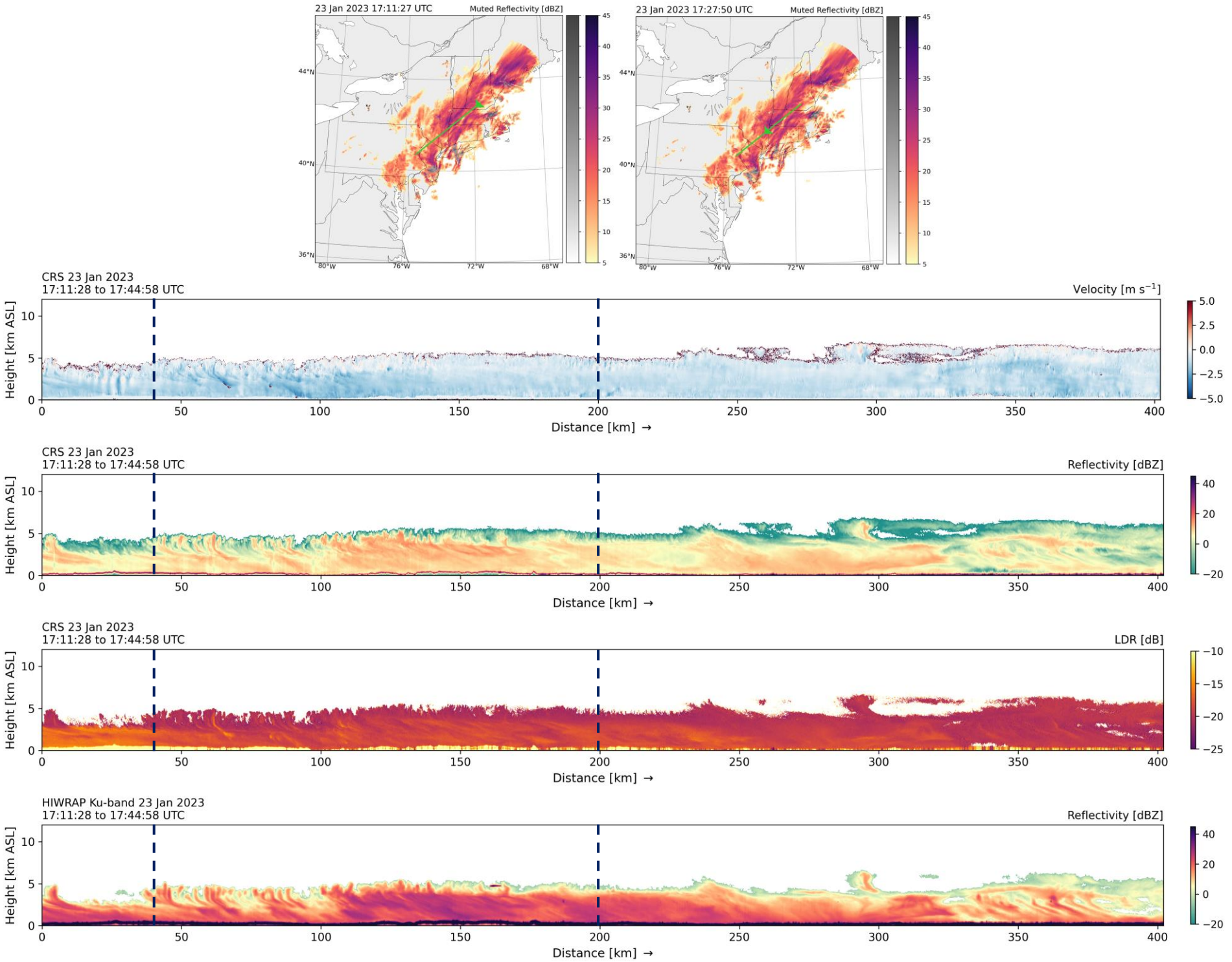

23 Jan 2023 16:54:13 UTC
Muted Reflectivity [dBZ]
23 Jan 2023 16:59:47 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

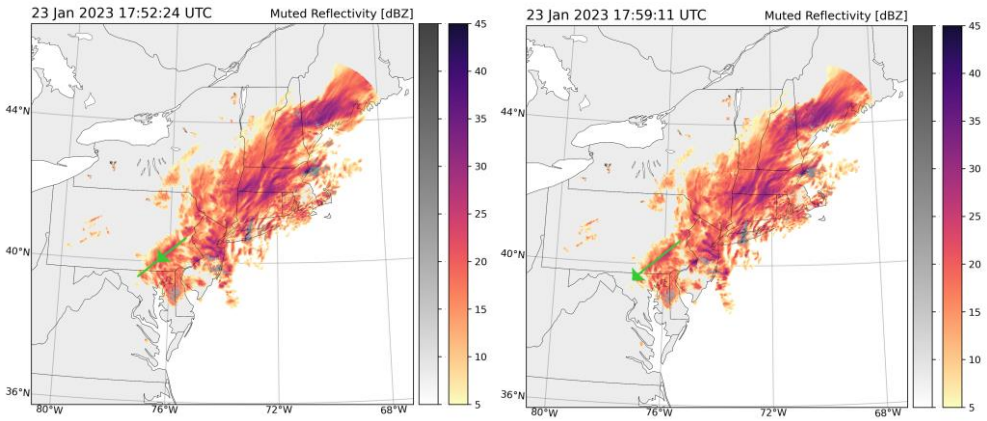

CRS 23 Jan 2023
16:54:44 to 17:09:27 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

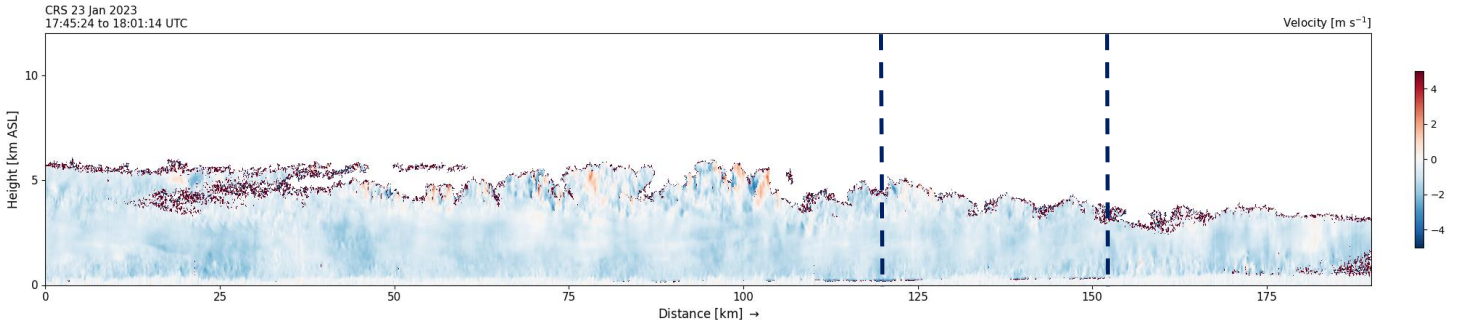

CRS 23 Jan 2023
16:54:44 to 17:09:27 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

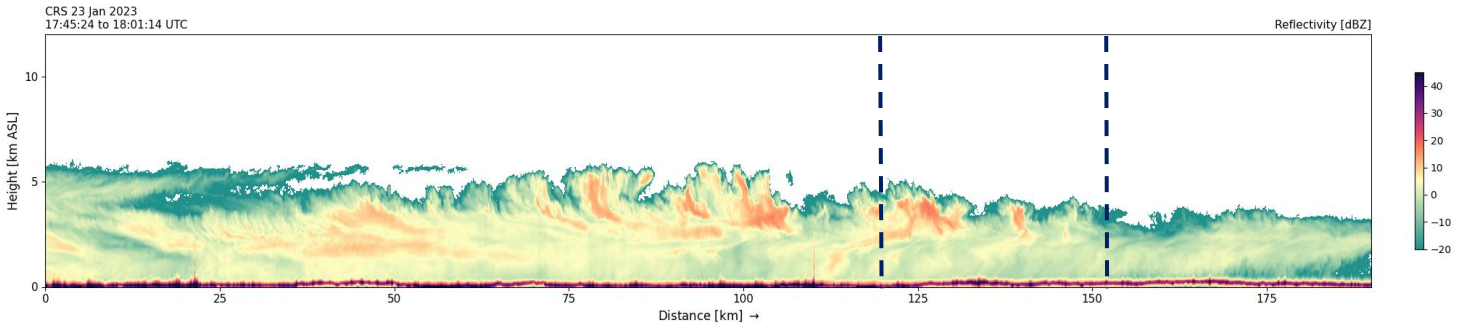

CRS 23 Jan 2023
16:54:44 to 17:09:27 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

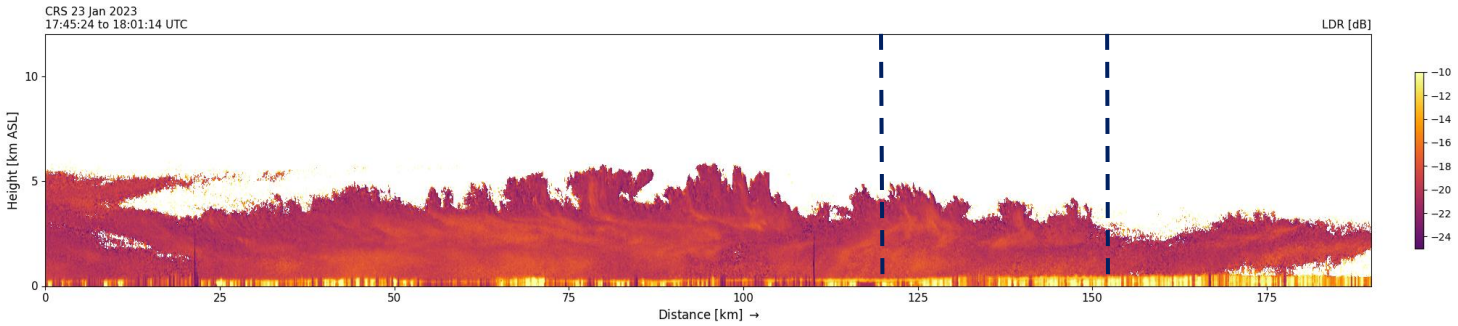

HIWRAP Ku-band 23 Jan 2023
16:54:44 to 17:09:27 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

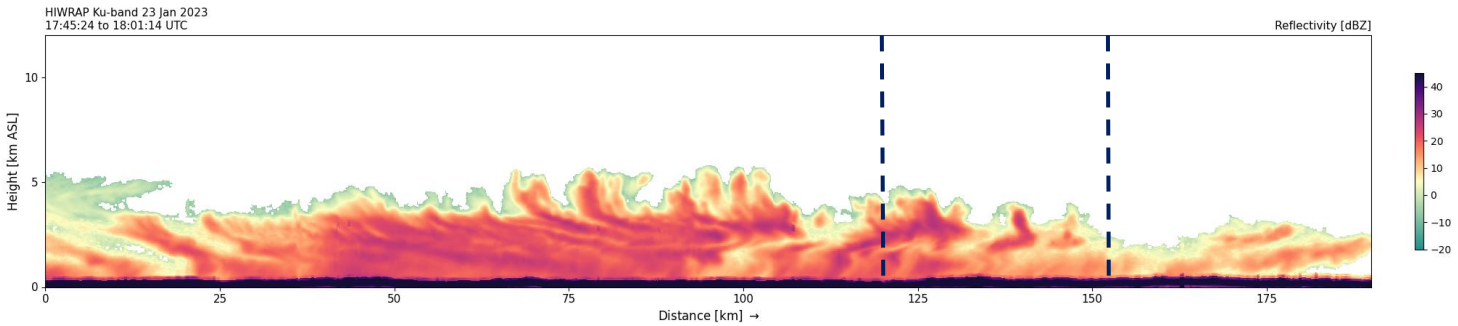

23 Jan 2023 17:11:27 UTC
Muted Reflectivity [dBZ]
23 Jan 2023 17:27:50 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
CRS 23 Jan 2023
17:11:28 to 17:44:58 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
CRS 23 Jan 2023
17:11:28 to 17:44:58 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
CRS 23 Jan 2023
17:11:28 to 17:44:58 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
HIWRAP Ku-band 23 Jan 2023
17:11:28 to 17:44:58 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →

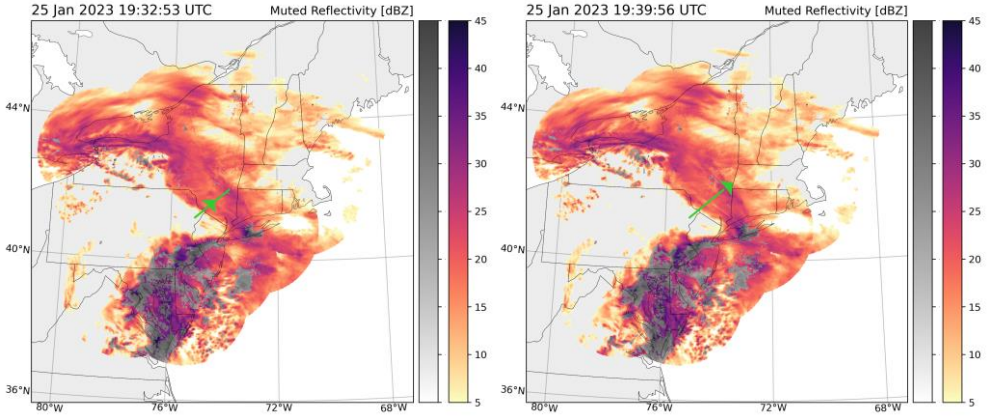

23 Jan 2023 17:52:24 UTC
Muted Reflectivity [dBZ]
23 Jan 2023 17:59:11 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

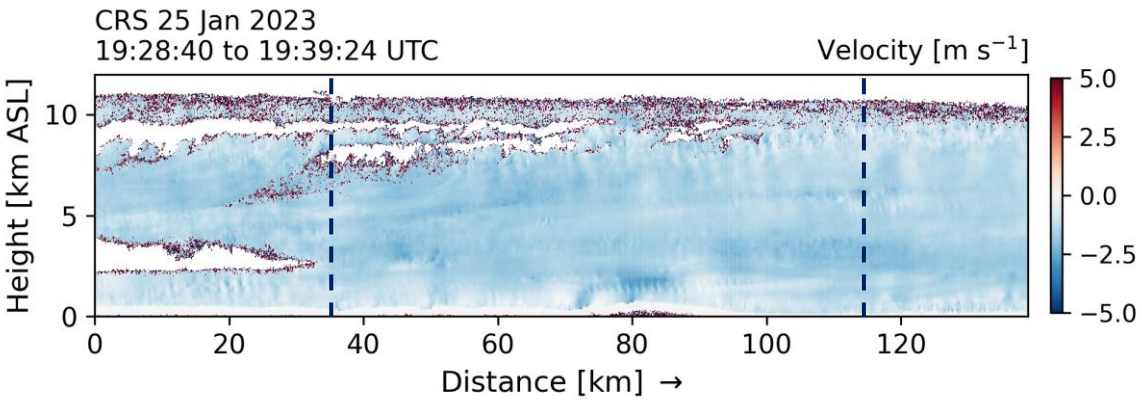

CRS 23 Jan 2023
17:45:24 to 18:01:14 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
0
25
50
75
100
125
150
175
10
5
0
4
2
0
−2
−4

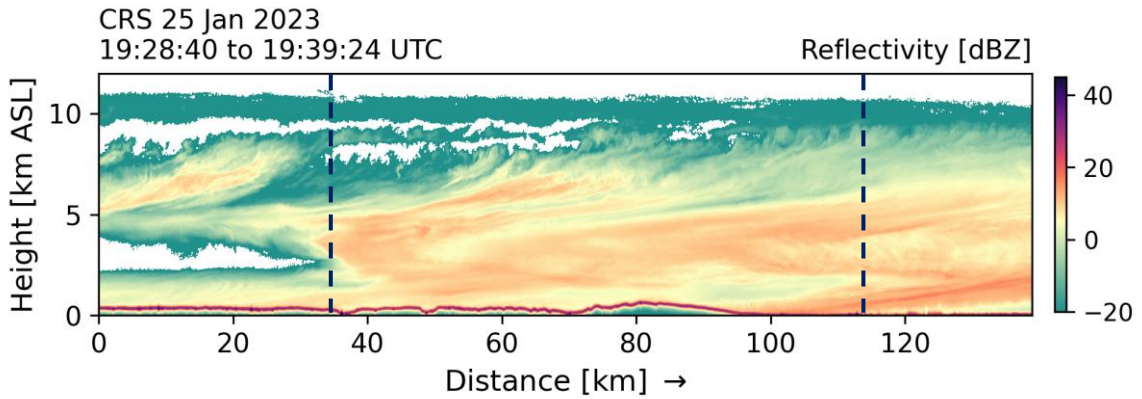

CRS 23 Jan 2023
17:45:24 to 18:01:14 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
0
25
50
75
100
125
150
175
10
5
0
40
30
20
10
0
−10
−20

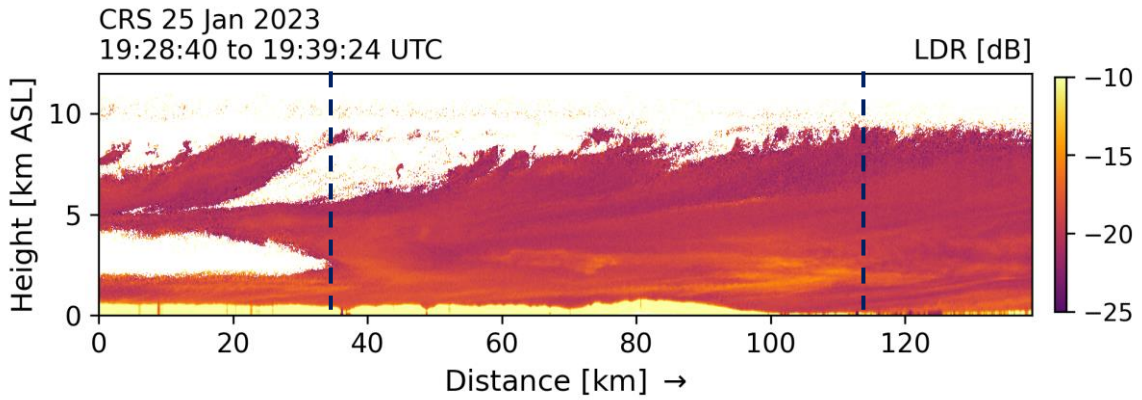

CRS 23 Jan 2023
17:45:24 to 18:01:14 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
0
25
50
75
100
125
150
175
10
5
0
−10
−12
−14
−16
−18
−20
−22
−24

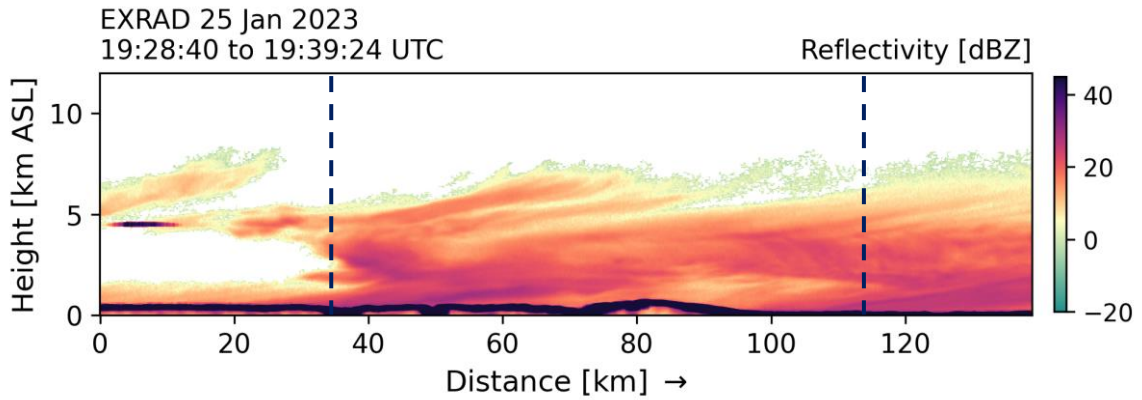

HIWRAP Ku-band 23 Jan 2023
17:45:24 to 18:01:14 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
0
25
50
75
100
125
150
175
10
5
0
40
30
20
10
0
−10
−20

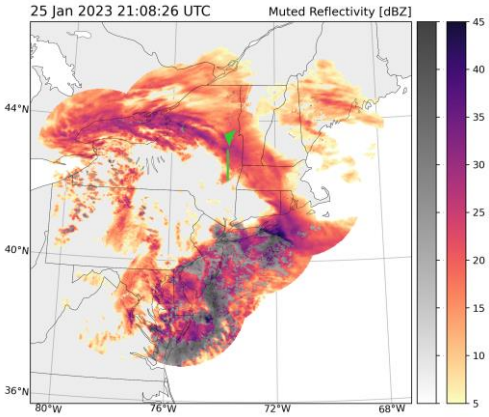

25 Jan 2023 19:32:53 UTC
Muted Reflectivity [dBZ]
25 Jan 2023 19:39:56 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

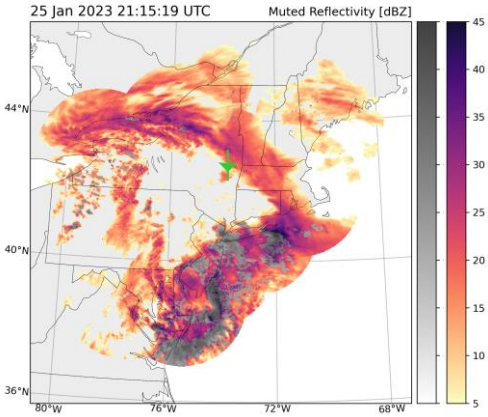

CRS 25 Jan 2023
19:28:40 to 19:39:24 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

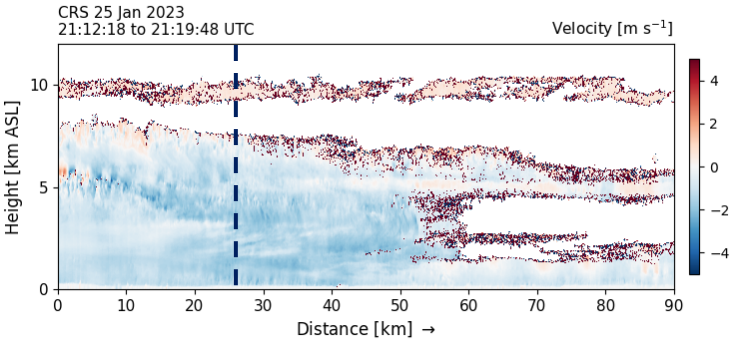

CRS 25 Jan 2023
19:28:40 to 19:39:24 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

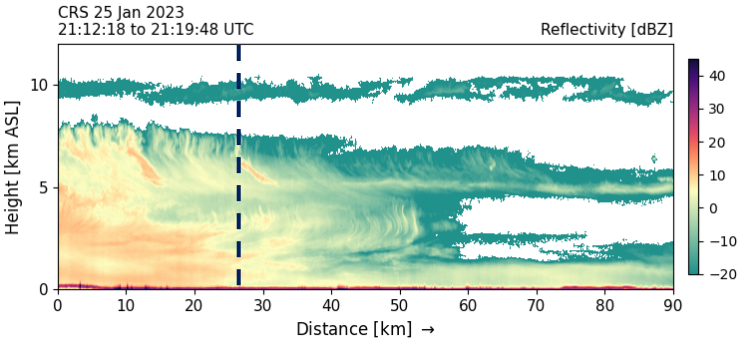

CRS 25 Jan 2023
19:28:40 to 19:39:24 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

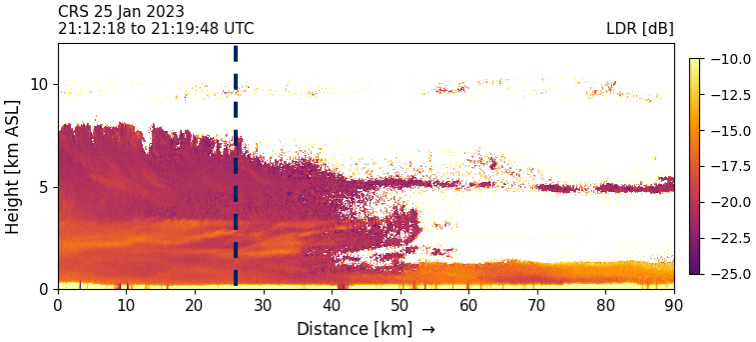

EXRAD 25 Jan 2023
19:28:40 to 19:39:24 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

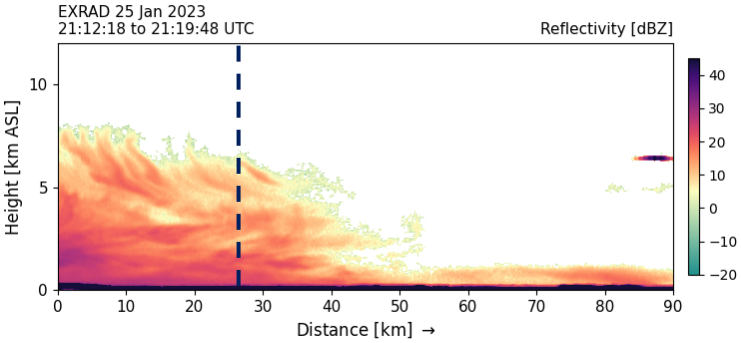

25 Jan 2023 21:08:26 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

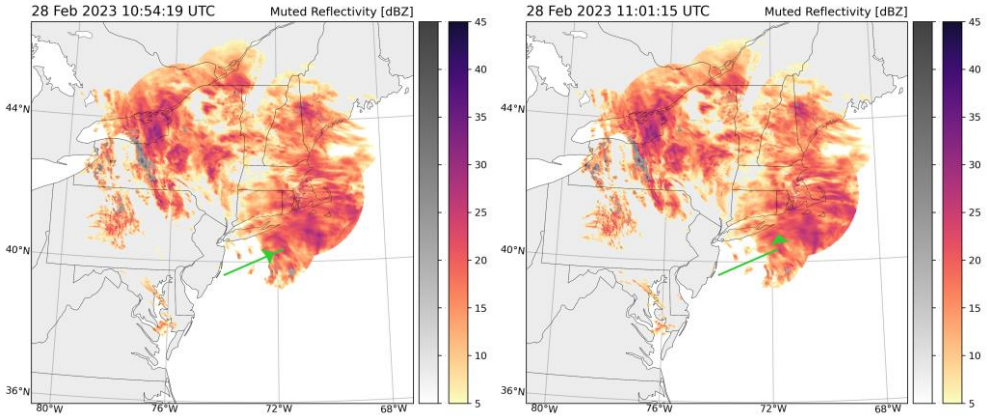

25 Jan 2023 21:15:19 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

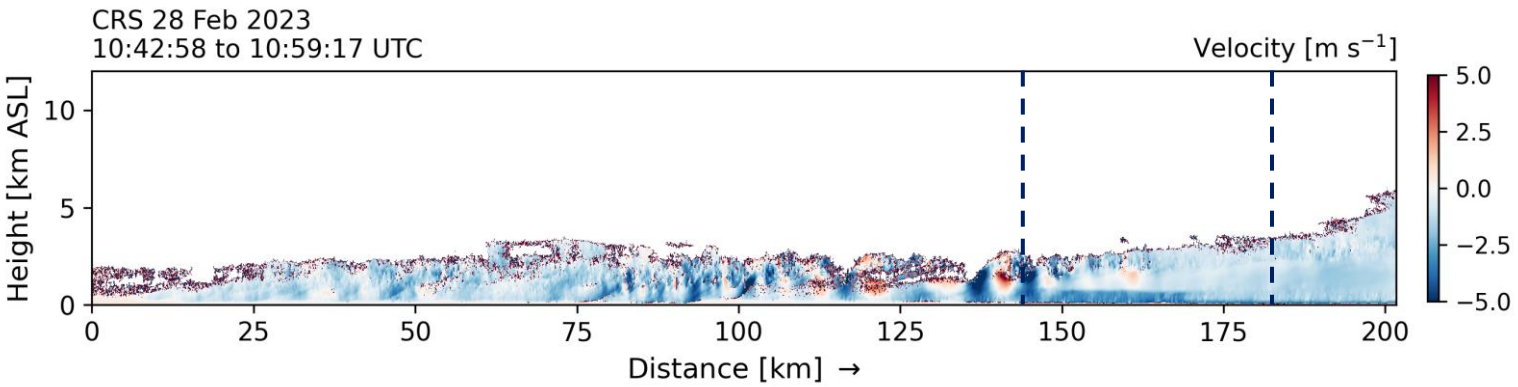

CRS 25 Jan 2023
21:12:18 to 21:19:48 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
4
2
0
−2
−4

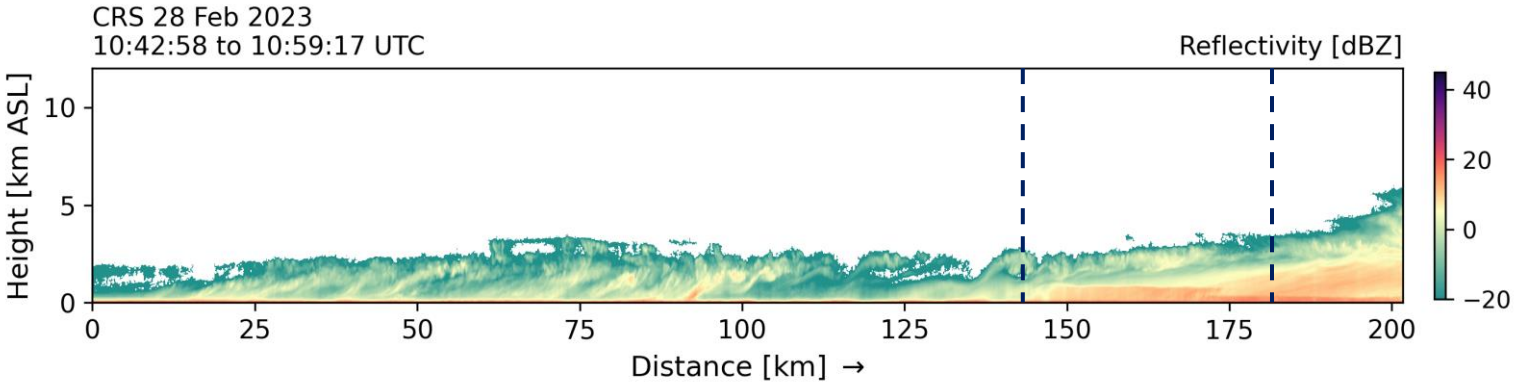

CRS 25 Jan 2023
21:12:18 to 21:19:48 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
30
20
10
0
−10
−20

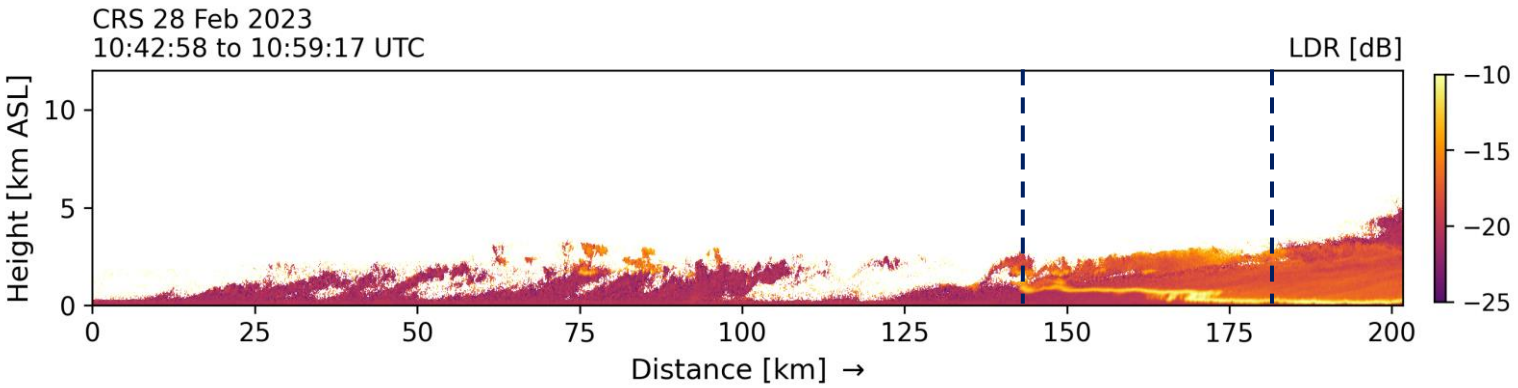

CRS 25 Jan 2023
21:12:18 to 21:19:48 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10.0
−12.5
−15.0
−17.5
−20.0
−22.5
−25.0

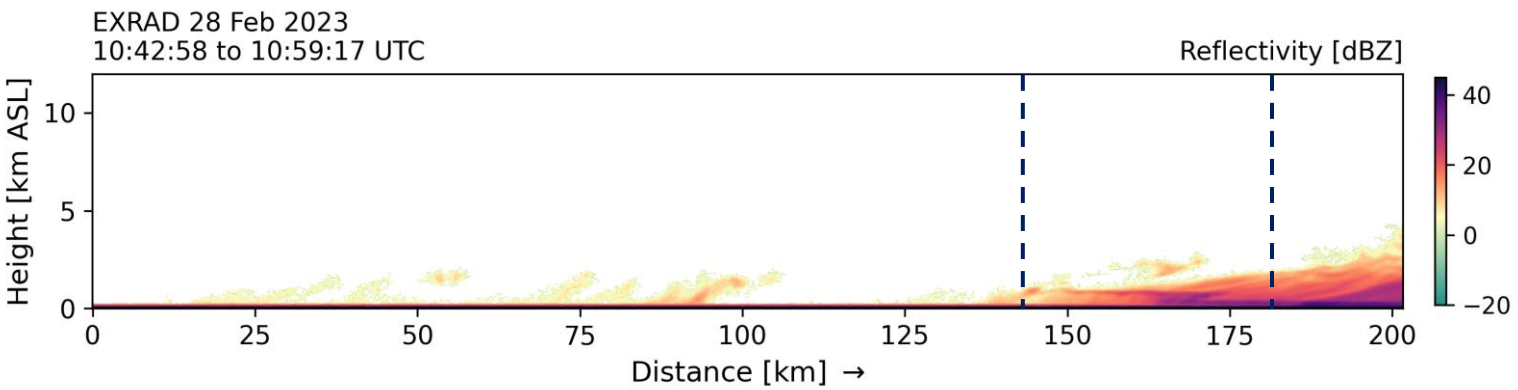

EXRAD 25 Jan 2023
21:12:18 to 21:19:48 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
30
20
10
0
−10
−20

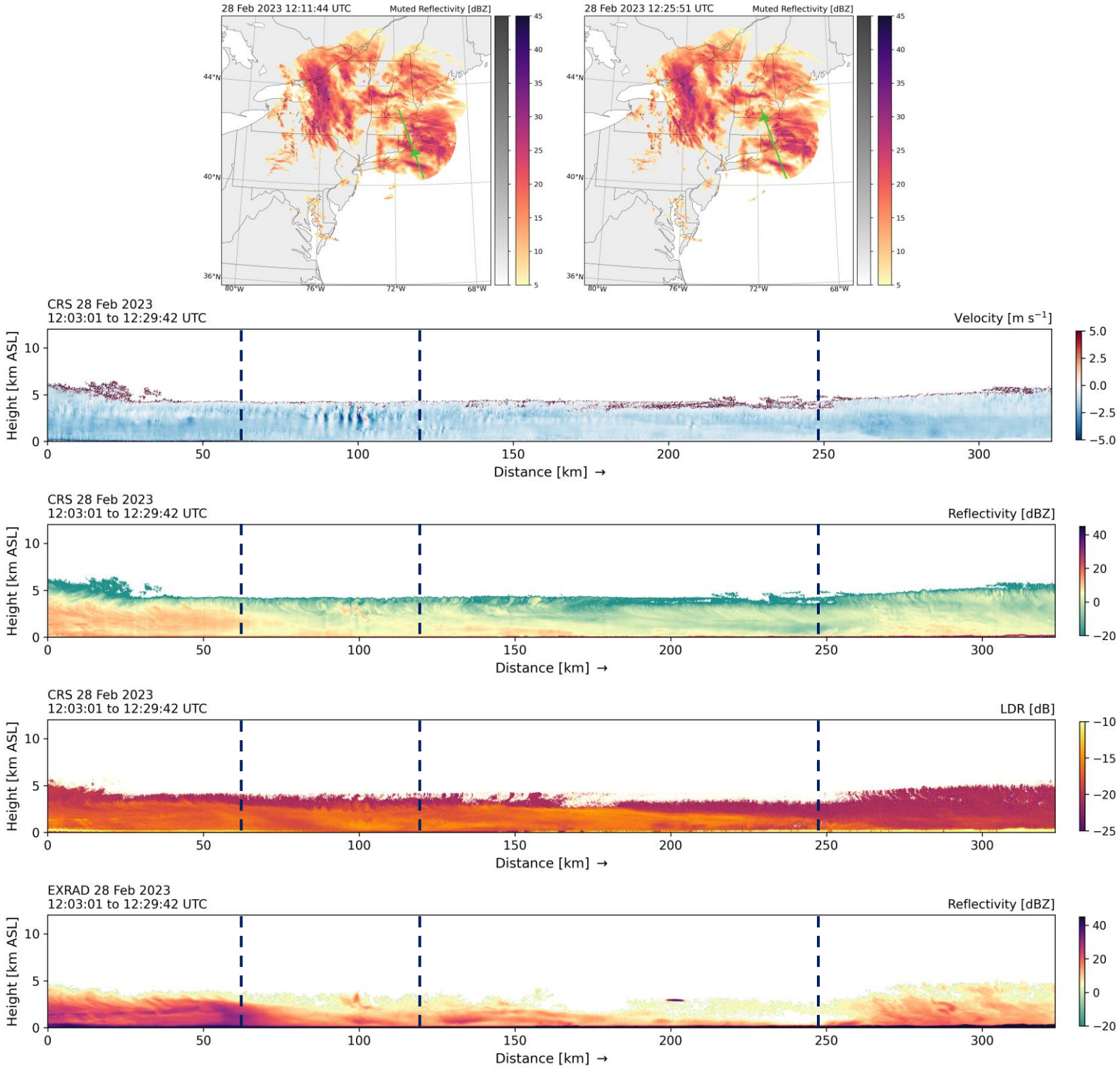

28 Feb 2023 10:54:19 UTC
Muted Reflectivity [dBZ]
28 Feb 2023 11:01:15 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
45
40
35
30
25
20
15
10
5

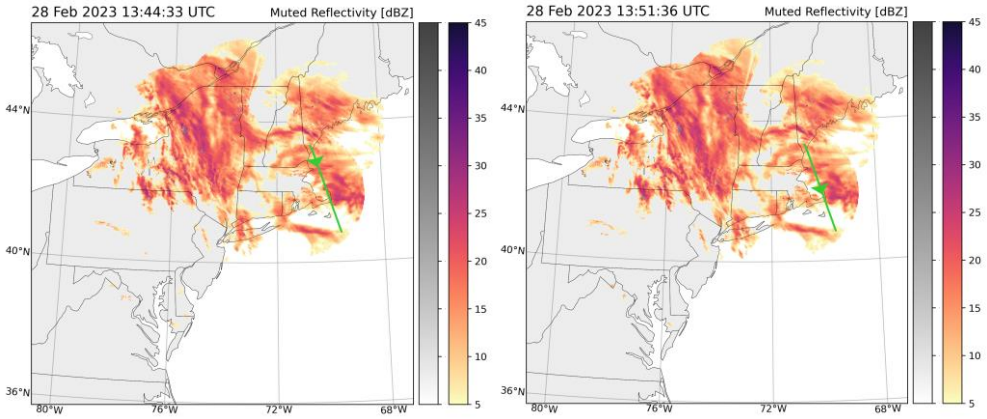

CRS 28 Feb 2023
10:42:58 to 10:59:17 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
5.0
2.5
0.0
−2.5
−5.0

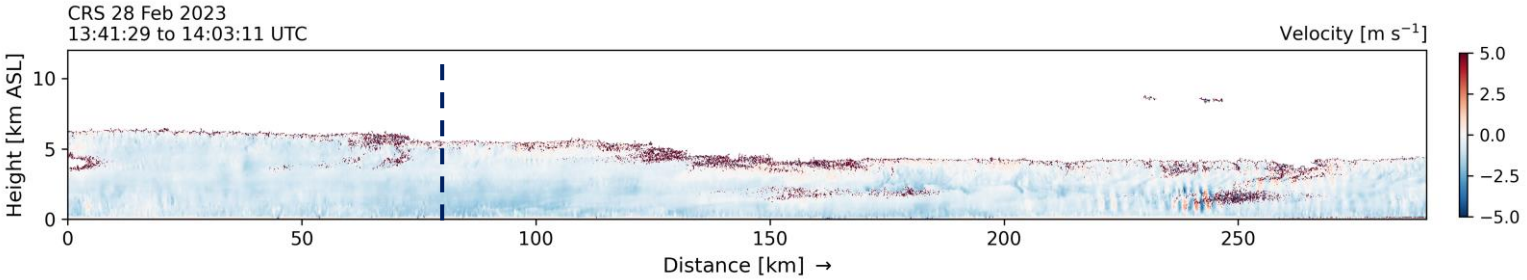

CRS 28 Feb 2023
10:42:58 to 10:59:17 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

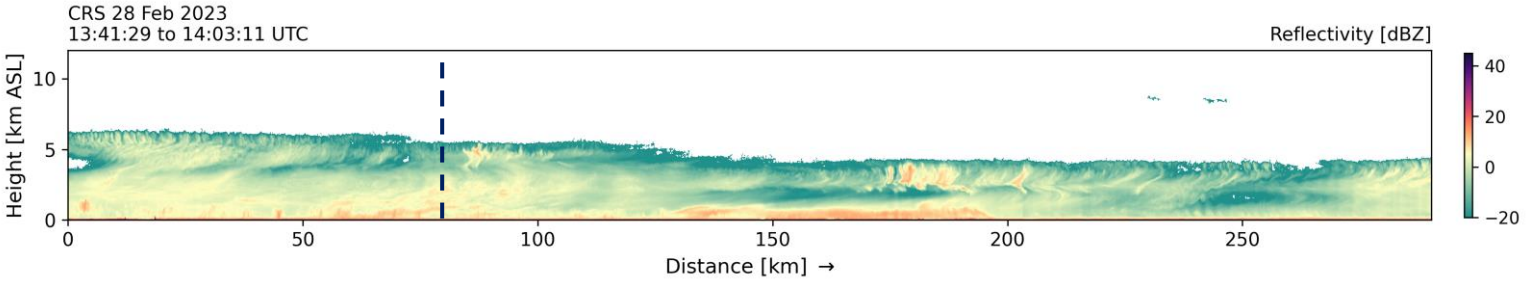

CRS 28 Feb 2023
10:42:58 to 10:59:17 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
−10
−15
−20
−25

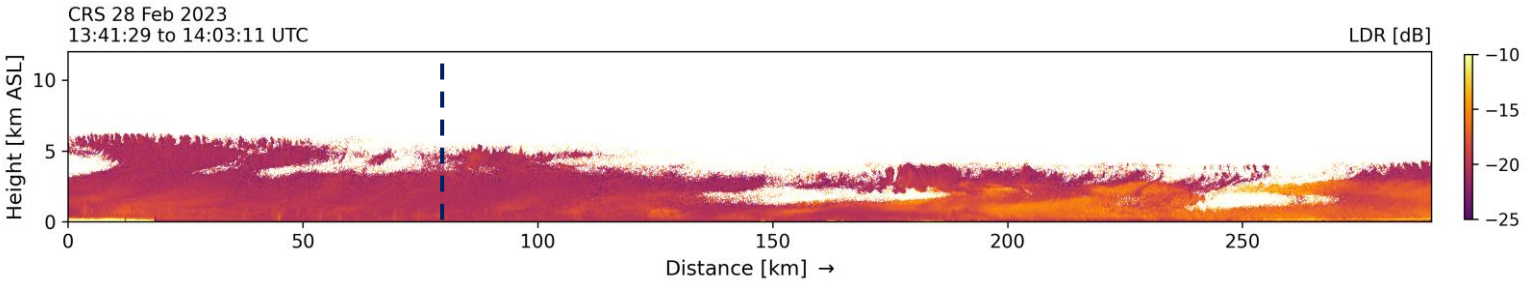

EXRAD 28 Feb 2023
10:42:58 to 10:59:17 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
40
20
0
−20

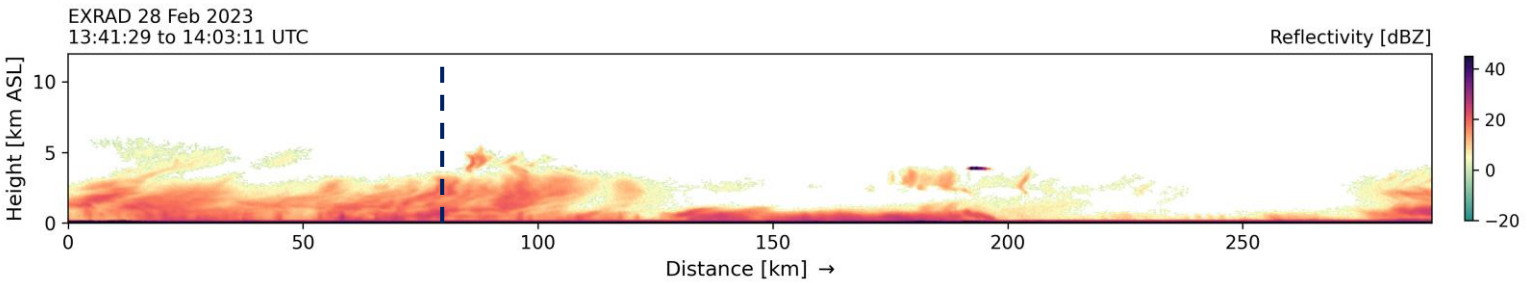

28 Feb 2023 12:11:44 UTC
Muted Reflectivity [dBZ]
28 Feb 2023 12:25:51 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W
CRS 28 Feb 2023
12:03:01 to 12:29:42 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →
CRS 28 Feb 2023
12:03:01 to 12:29:42 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →
CRS 28 Feb 2023
12:03:01 to 12:29:42 UTC
LDR [dB]
Height [km ASL]
Distance [km] →
EXRAD 28 Feb 2023
12:03:01 to 12:29:42 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →


28 Feb 2023 13:44:33 UTC
Muted Reflectivity [dBZ]
28 Feb 2023 13:51:36 UTC
Muted Reflectivity [dBZ]
44°N
40°N
36°N
80°W
76°W
72°W
68°W


CRS 28 Feb 2023
13:41:29 to 14:03:11 UTC
Velocity [m s$^{-1}$]
Height [km ASL]
Distance [km] →


CRS 28 Feb 2023
13:41:29 to 14:03:11 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →


CRS 28 Feb 2023
13:41:29 to 14:03:11 UTC
LDR [dB]
Height [km ASL]
Distance [km] →


EXRAD 28 Feb 2023
13:41:29 to 14:03:11 UTC
Reflectivity [dBZ]
Height [km ASL]
Distance [km] →