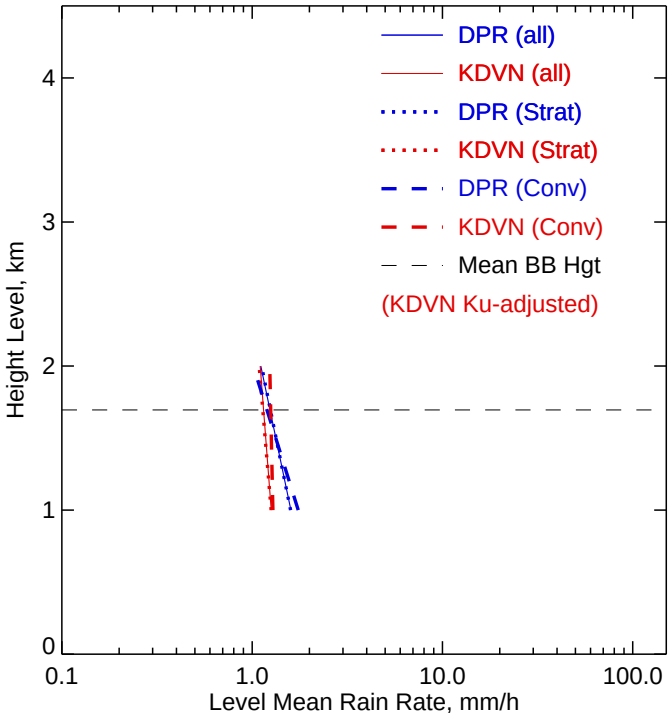
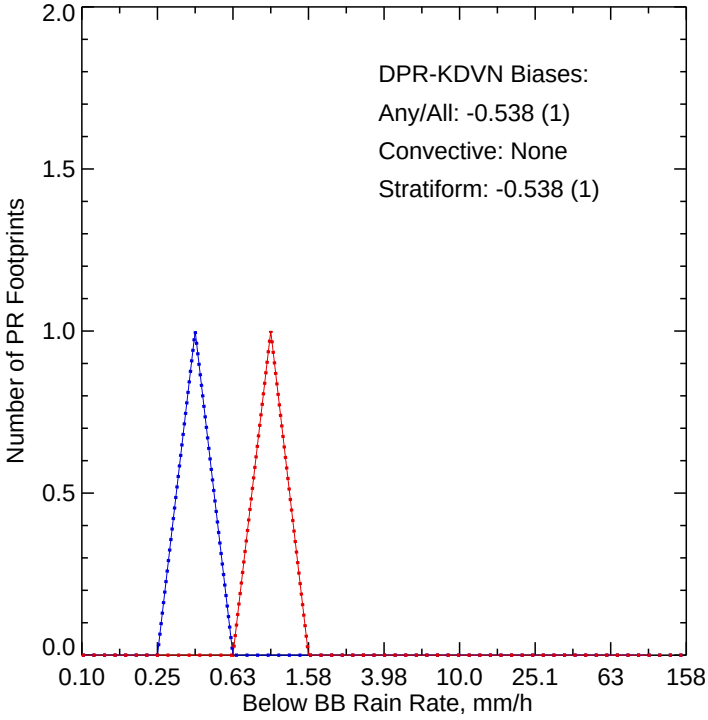
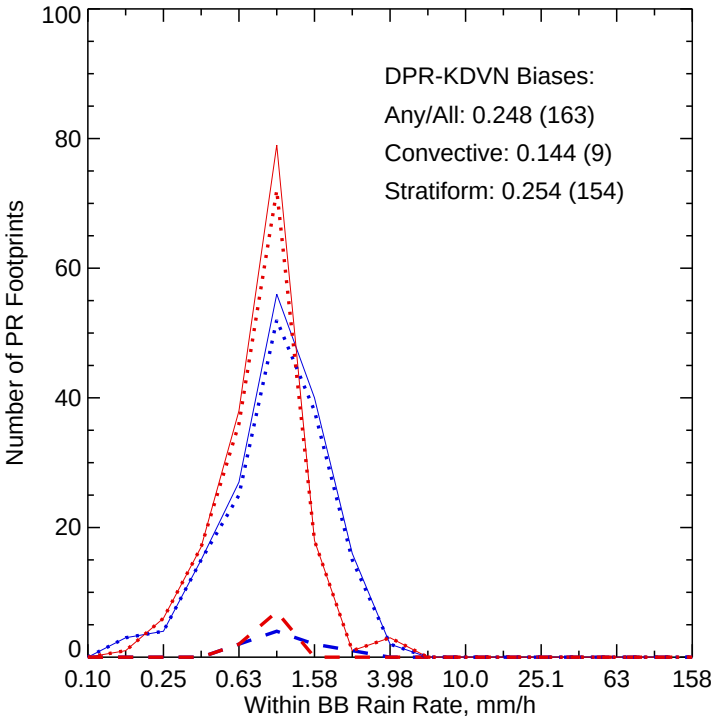






Above BB: NO POINTS

KDVN Ku-adjusted DP RR vs. DPR 2ADPR/NS/V05A >=50% bins above threshold

Orbit: 22999 -- GR Start Time: 2018-03-17 00:50:25

```
Histogram bin lower bounds (mm/h):
0.10, 0.16, 0.25, 0.40, 0.63, 1.00, 1.58, 2.51, 3.98, 6.31, 10.00, 15.85, 25.12, 39.81, 63.10, >100.0
```

DPR 2ADPR-GR Rain Rate difference statistics (mm/h) - GR Site: KDVN
Orbit: 22999 Version: V05A Swath Type: NS
DPR time = 2018-03-17 00:50:33   GR start time = 2018-03-17 00:50:25
Required percent of above-threshold DPR and GR bins in matched volumes >= 50%
Thresholding by rain rate cutoff only. Using GR RR field.
GR reflectivity has S-to-Ku frequency adjustments applied.

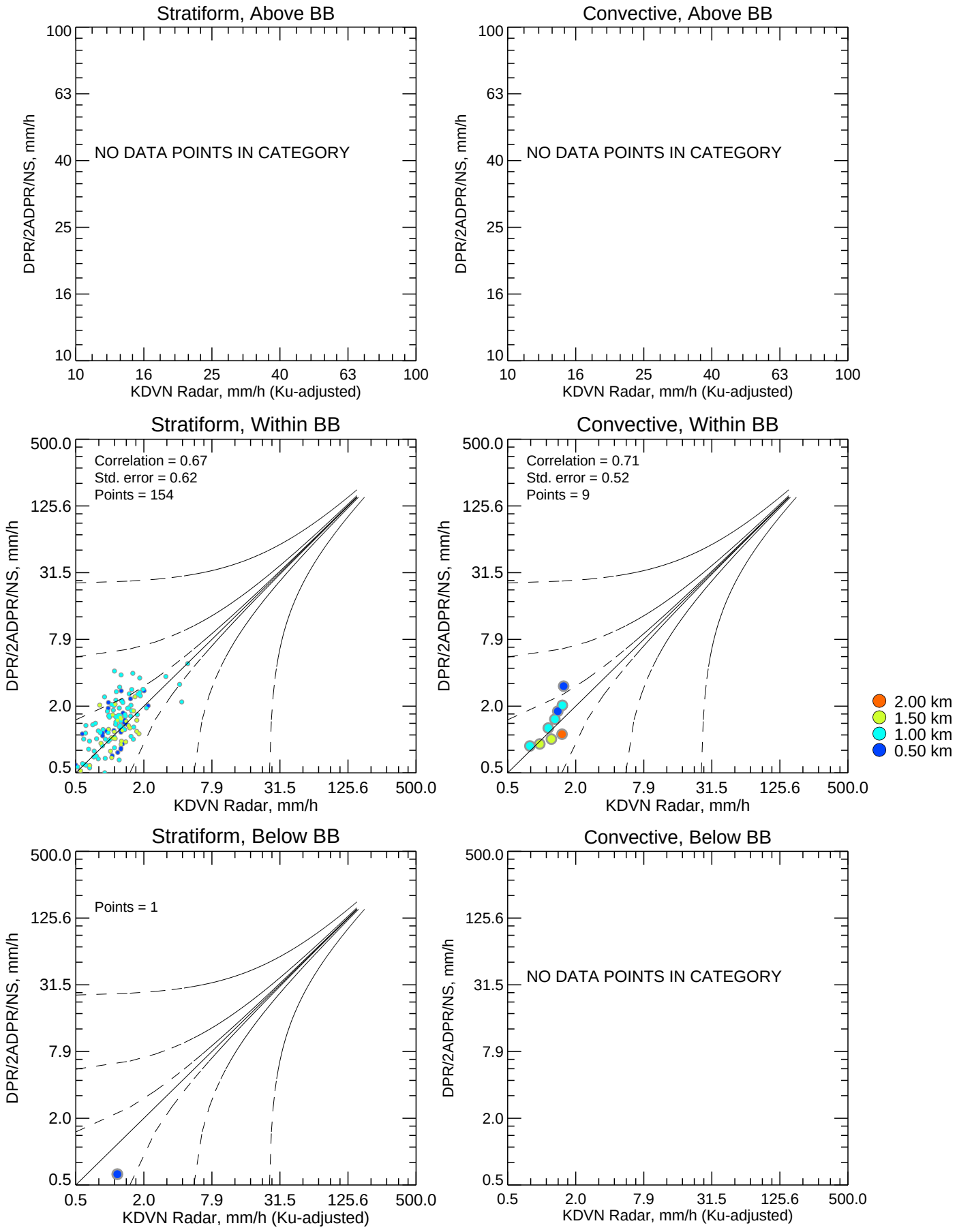
Mean Rain Rate (mm/h) Statistics grouped by fixed height levels (km):

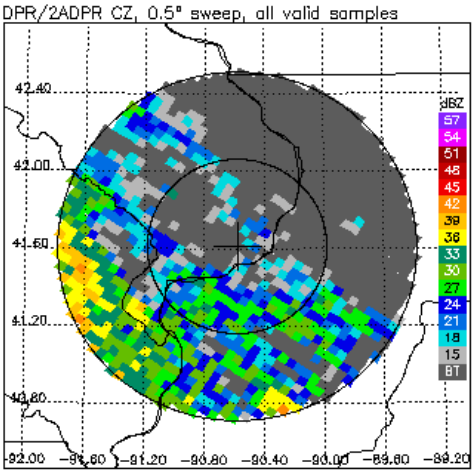
Vert.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxRR	GRMaxRR	
1.0	0.339	129	0.333	123	0.461	6	48.271	4.802	4.850	@ BB
2.0	0.008	35	0.032	32	-0.224	3	65.591	2.415	1.803	@ BB

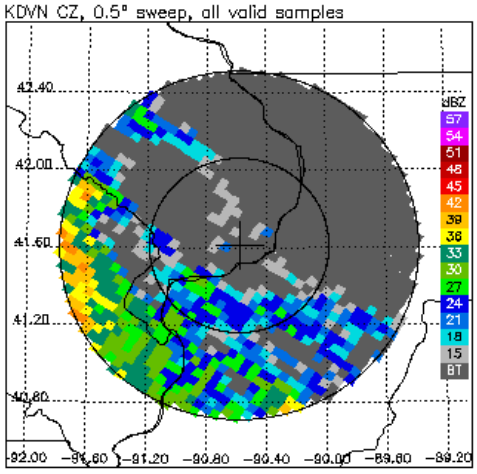
Mean Rain Rate (mm/h) Statistics grouped by proximity to Bright Band:

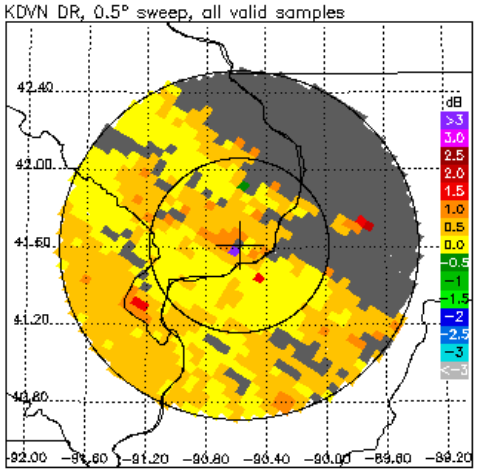
Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics			
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxRR	GRMaxRR	
Below	-0.538	1	-0.538	1	-99.999	0	20.038	0.625	1.163	
Within	0.248	163	0.254	154	0.144	9	52.163	4.802	4.850	@ BB

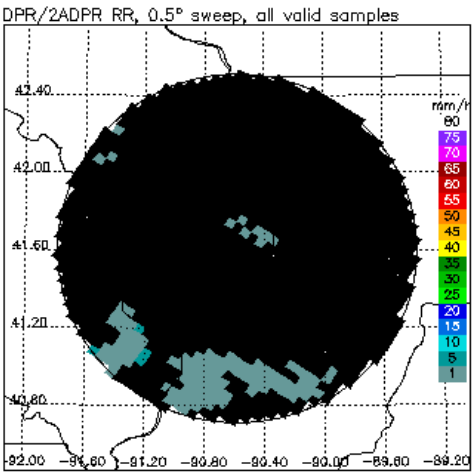
KDVN Ku-adjusted DP RR vs. DPR 2ADPR/NS/V05A >=50% bins above threshold

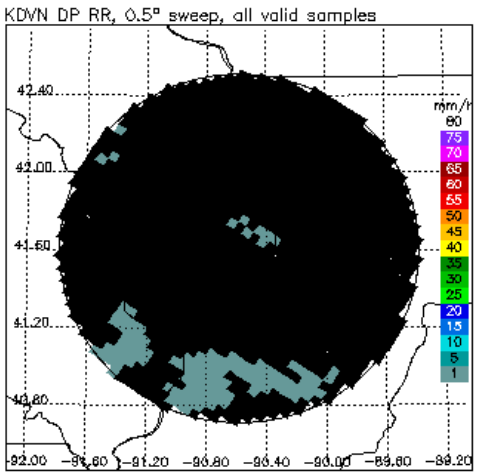


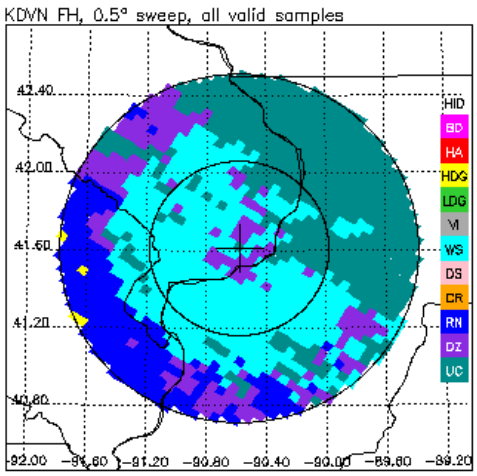

DPR/2ADPR CZ, 0.5° sweep, all valid samples
dBZ
57
54
51
48
45
42
39
36
33
30
27
24
21
18
15
BT
42.40
42.00
41.60
41.20
40.80
-92.00
-91.60
-91.20
-90.80
-90.40
-90.00
-89.60
-89.20

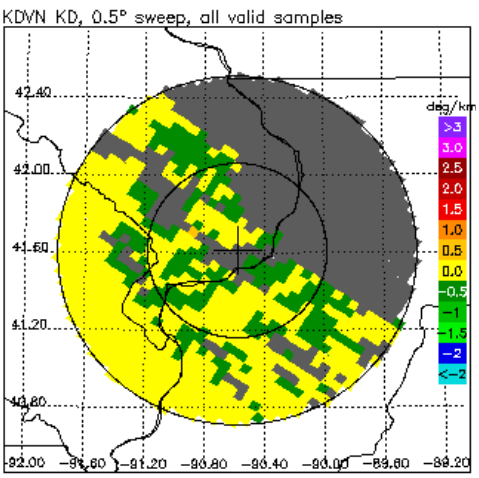

KDVN CZ, 0.5° sweep, all valid samples
dBZ
57
54
51
48
45
42
39
36
33
30
27
24
21
18
15
BT
42.40
42.00
41.60
41.20
40.80
-92.00
-91.60
-91.20
-90.80
-90.40
-90.00
-89.60
-89.20

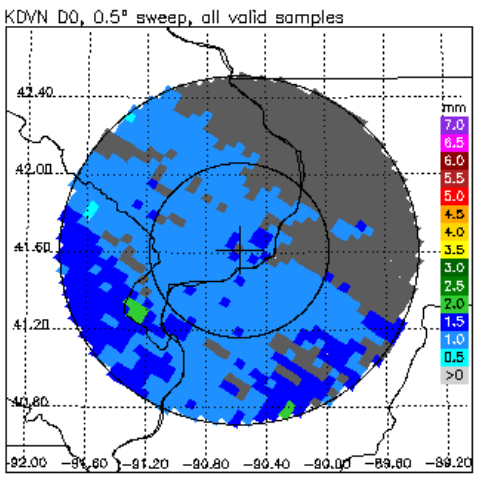

KDVN DR, 0.5° sweep, all valid samples
dB
>3
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
-1
-1.5
-2
-2.5
-3
<-3
42.40
42.00
41.60
41.20
40.80
-92.00
-91.60
-91.20
-90.80
-90.40
-90.00
-89.60
-89.20

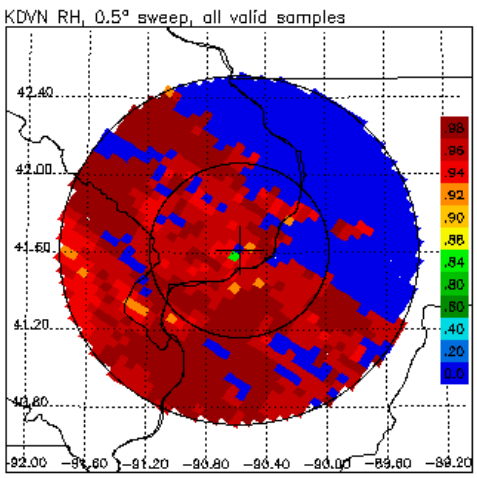

DPR/2ADPR RR, 0.5° sweep, all valid samples
mm/h
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
1
42.40
42.00
41.60
41.20
40.80
-92.00
-91.60
-91.20
-90.80
-90.40
-90.00
-89.60
-89.20


KDVN DP RR, 0.5° sweep, all valid samples
mm/h
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
1
42.40
42.00
41.60
41.20
40.80
-92.00
-91.60
-91.20
-90.80
-90.40
-90.00
-89.60
-89.20


KDVN FH, 0.5° sweep, all valid samples
HID
BD
HA
HDG
LDG
MI
WS
DS
CR
RN
DZ
UC
42.40
42.00
41.60
41.20
40.80
-92.00
-91.60
-91.20
-90.80
-90.40
-90.00
-89.60
-89.20


KDVN KD, 0.5° sweep, all valid samples
deg/km
>3
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
-1
-1.5
-2
<-2
42.40
42.00
41.60
41.20
40.80
-92.00
-91.60
-91.20
-90.80
-90.40
-90.00
-89.60
-89.20


KDVN DO, 0.5° sweep, all valid samples
mm
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
>0
42.40
42.00
41.60
41.20
40.80
-92.00
-91.60
-91.20
-90.80
-90.40
-90.00
-89.60
-89.20


KDVN RH, 0.5° sweep, all valid samples
.98
.96
.94
.92
.90
.88
.84
.80
.60
.40
.20
0.0
42.40
42.00
41.60
41.20
40.80
-92.00
-91.60
-91.20
-90.80
-90.40
-90.00
-89.60
-89.20