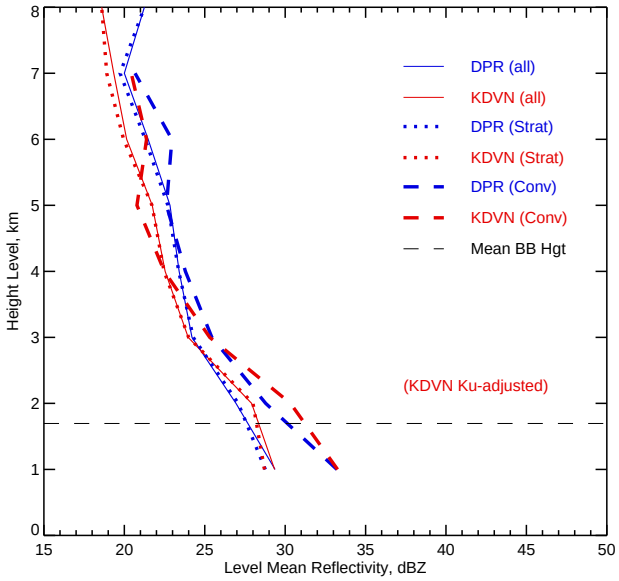
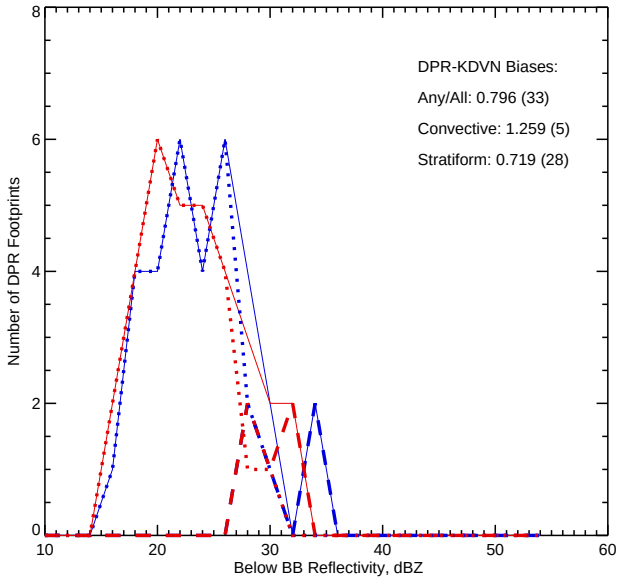
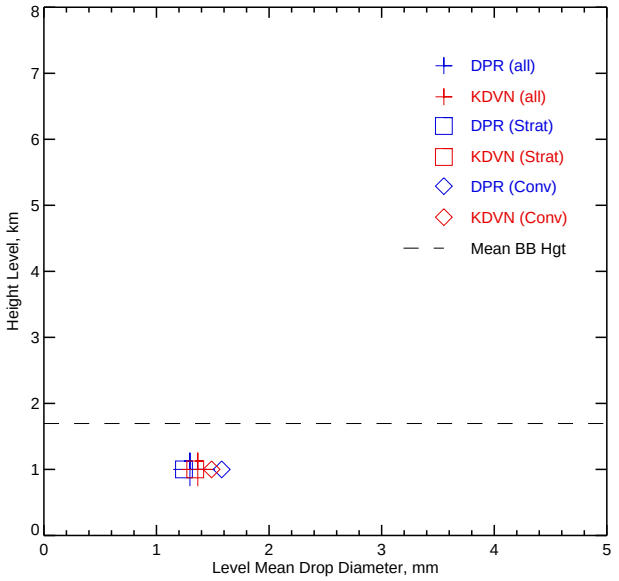
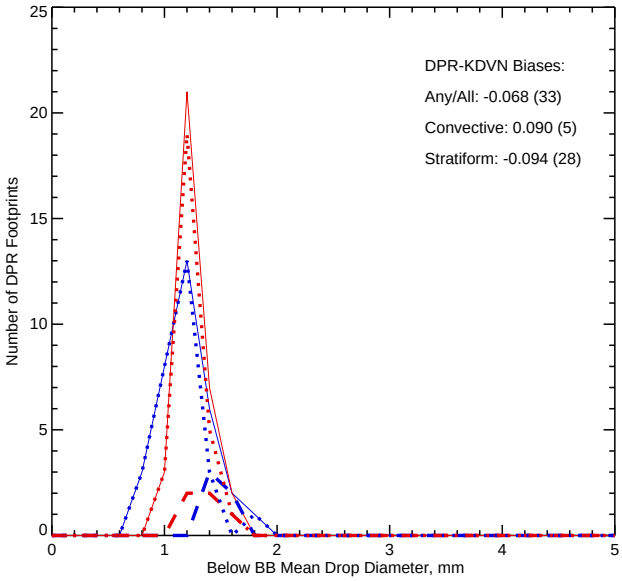
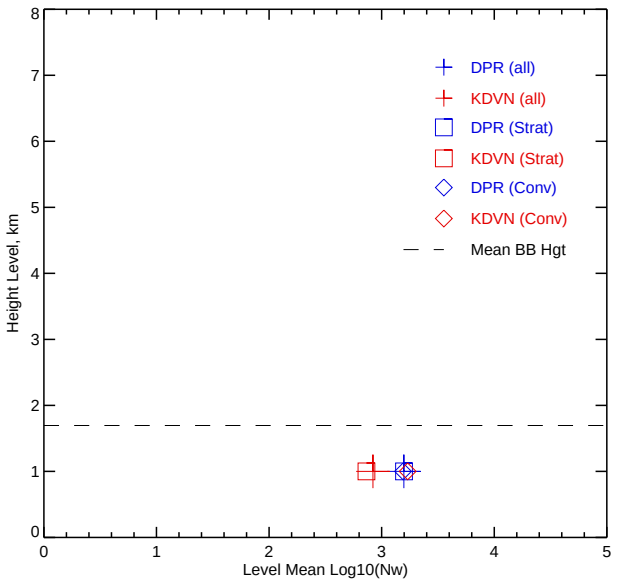
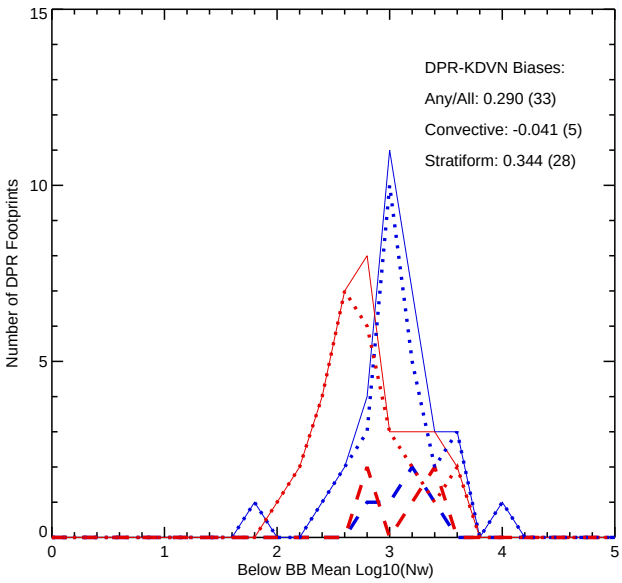












KDVN Ku-adjusted DSD vs. DPR 2ADPR/NS/V05A >=50% bins above threshold

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

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - 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 reflectivity cutoffs only.
GR reflectivity has S-to-Ku frequency adjustments applied.

Mean Reflectivity 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	DPRMaxZ	GRMaxZ	
1.0	0.028	713	0.054	614	-0.042	93	60.859	43.289	44.461	@ BB
2.0	-0.975	1219	-0.916	1001	-1.543	144	59.676	42.231	44.396	@ BB
3.0	0.232	845	0.281	639	0.133	111	63.505	34.952	37.192	
4.0	0.869	463	0.912	332	1.312	70	65.603	32.149	31.208	
5.0	1.103	249	0.988	182	1.834	39	64.602	31.510	29.197	
6.0	1.334	129	1.351	111	1.576	14	64.963	28.055	24.758	
7.0	0.660	39	0.831	30	0.232	9	68.155	23.961	22.369	
8.0	2.649	1	2.649	1	-99.999	0	42.272	21.245	18.596	

Mean Reflectivity 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	DPRMaxZ	GRMaxZ
Below	0.796	33	0.719	28	1.259	5	32.541	34.994	32.624

GR Dm field is being directly compared to DPR Dm.

Mean Drop Diameter (Dm, in mm) 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	DPRMaxDm	GRMaxDm	
1.0	-0.070	27	-0.100	22	0.090	5	35.578	1.900	1.754	@ BB

No above-threshold points at height 2.000
No above-threshold points at height 3.000
No above-threshold points at height 4.000
No above-threshold points at height 5.000
No above-threshold points at height 6.000
No above-threshold points at height 7.000
No above-threshold points at height 8.000

Mean Drop Diameter (Dm, in mm) 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	DPRMaxDm	GRMaxDm
Below	-0.068	33	-0.094	28	0.090	5	32.541	1.900	1.754

GR NW field is being directly compared to DPR Nw.

Mean Normalized Intercept Parameter (log10(Nw)) Statistics grouped by fixed height levels (km):

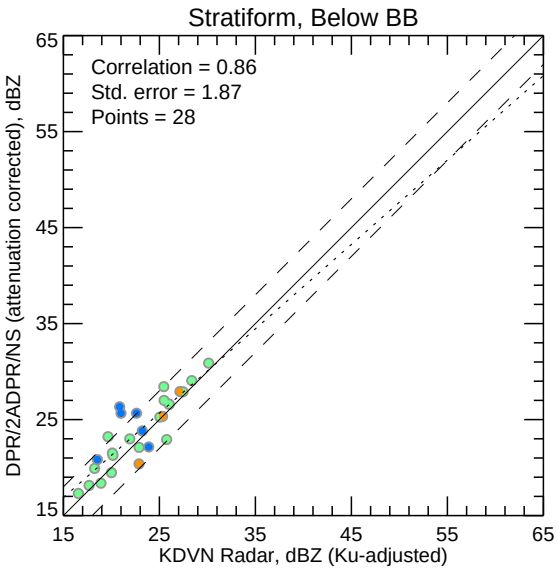
Vert.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw	
1.0	0.275	27	0.334	22	-0.041	5	35.578	4.089	3.726	@ BB

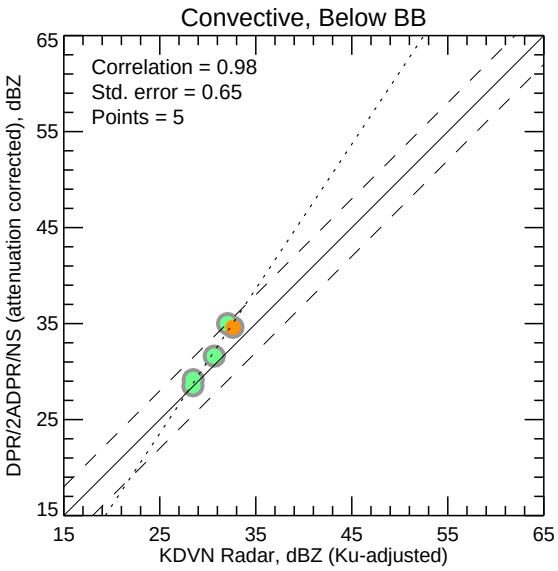
No above-threshold points at height 2.000
No above-threshold points at height 3.000
No above-threshold points at height 4.000
No above-threshold points at height 5.000
No above-threshold points at height 6.000
No above-threshold points at height 7.000
No above-threshold points at height 8.000

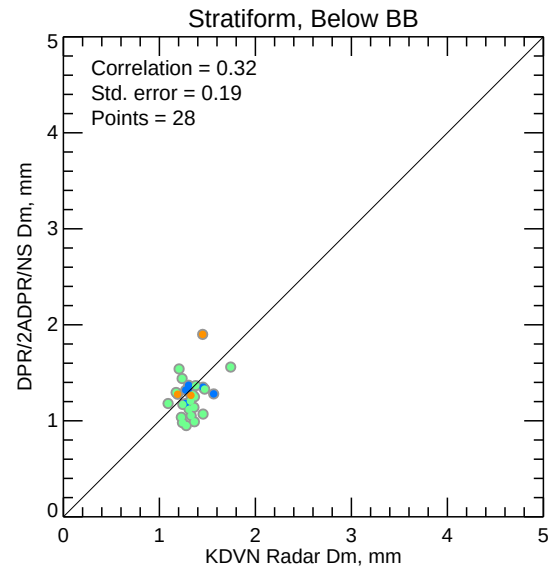
Mean Normalized Intercept Parameter (log10(Nw)) Statistics grouped by proximity to Bright Band:

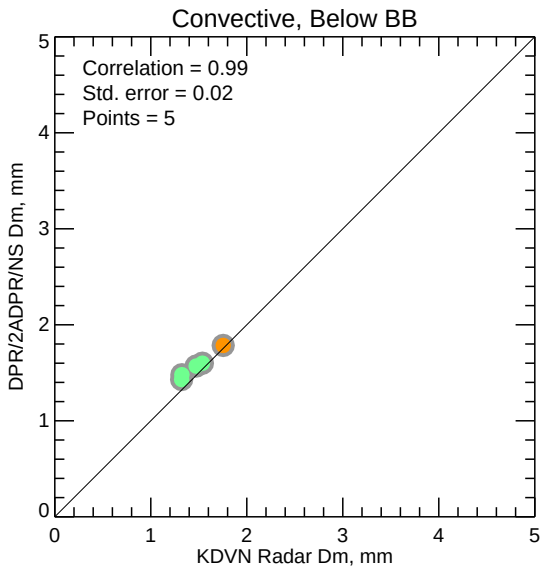
Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics		
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
Below	0.290	33	0.344	28	-0.041	5	32.541	4.089	3.726

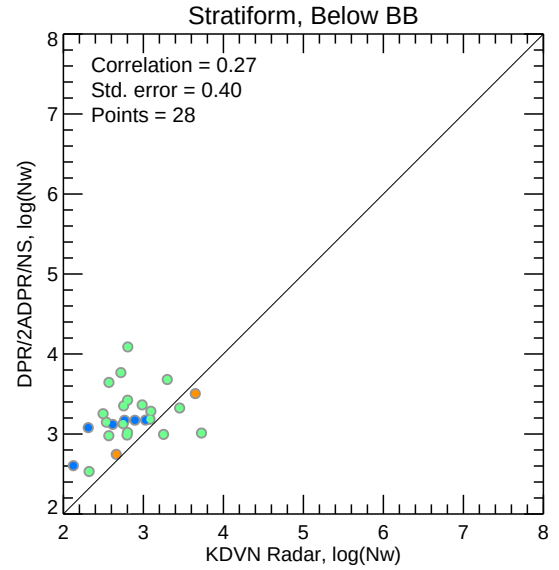
KDVN Ku-adjusted DSD vs. DPR 2ADPR/NS/V05A >=50% bins above threshold

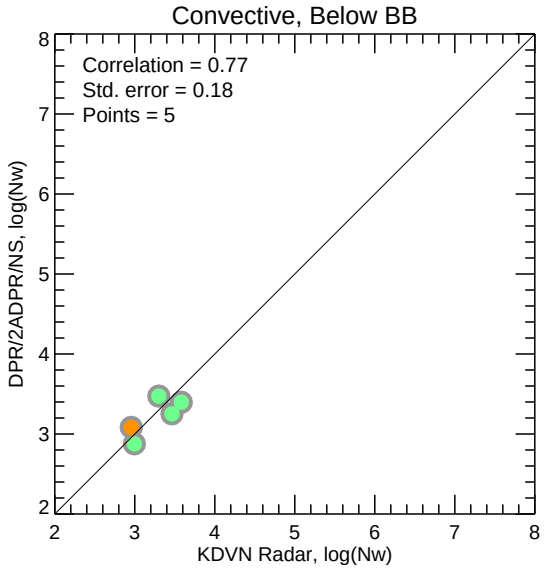




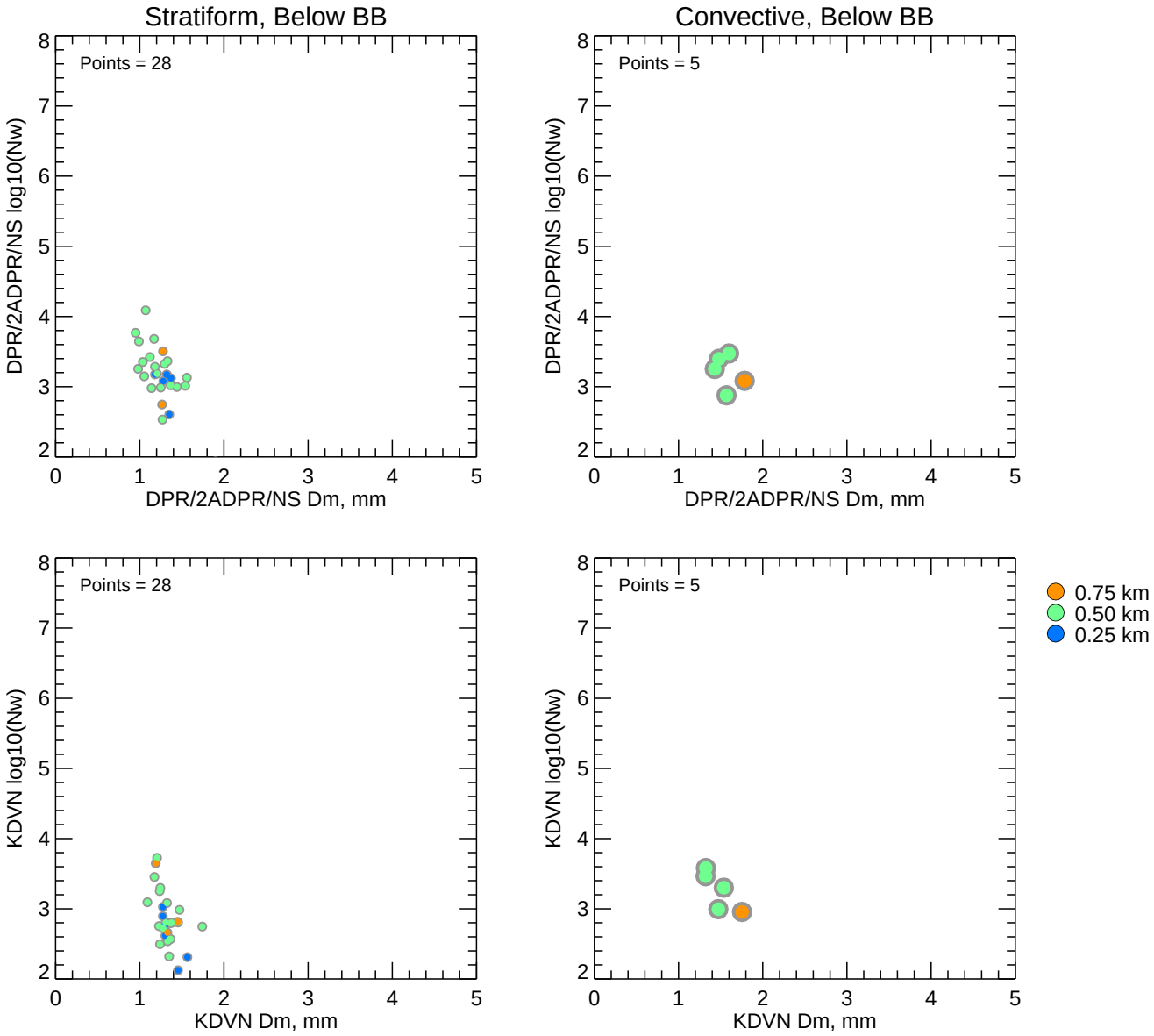




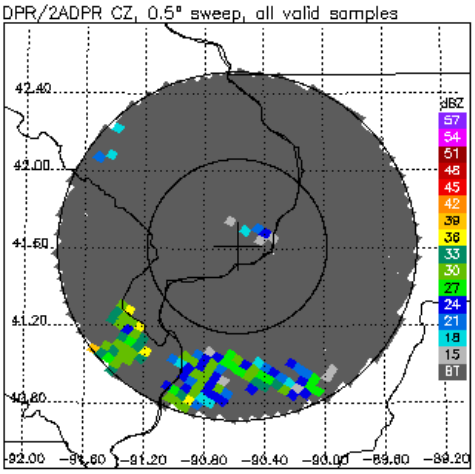




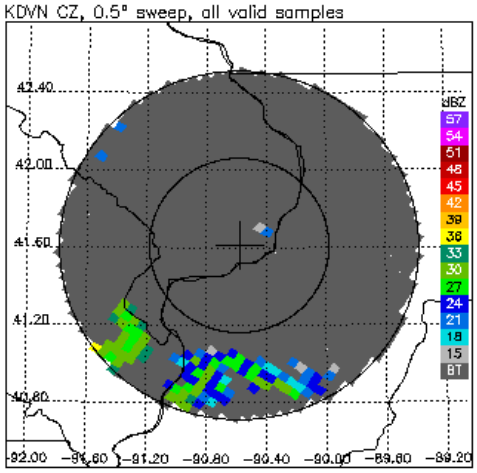
Dm vs. log10(Nw) for DPR 2ADPR/NS/V05A and KDVN >=50% bins above threshold



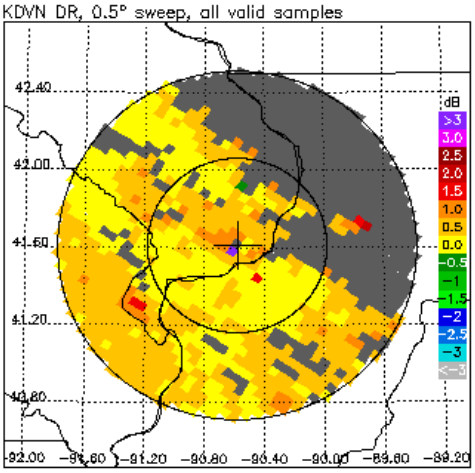
DPR/2ADPR CZ, 0.5° sweep, all valid samples



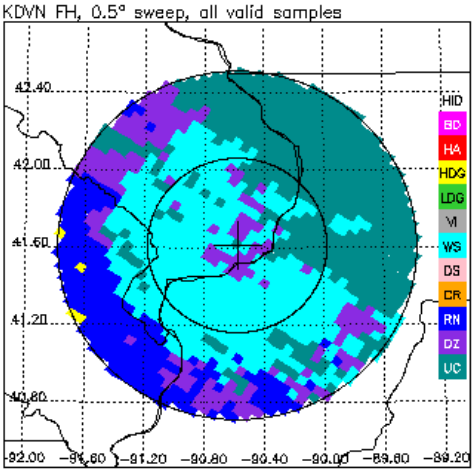
KDVN CZ, 0.5° sweep, all valid samples



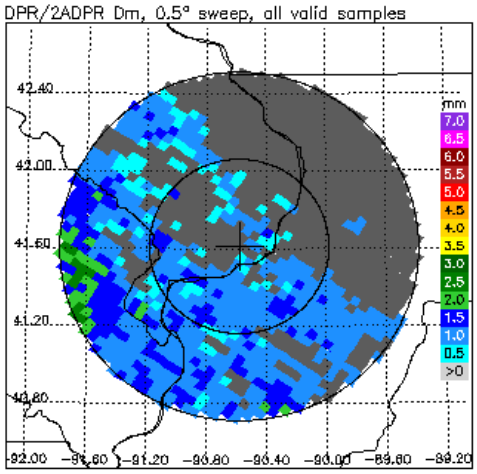
KDVN DR, 0.5° sweep, all valid samples



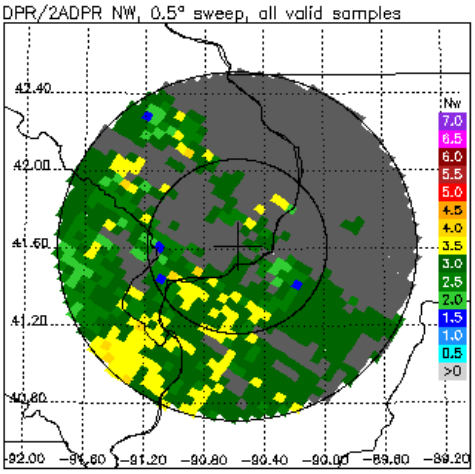
KDVN FH, 0.5° sweep, all valid samples



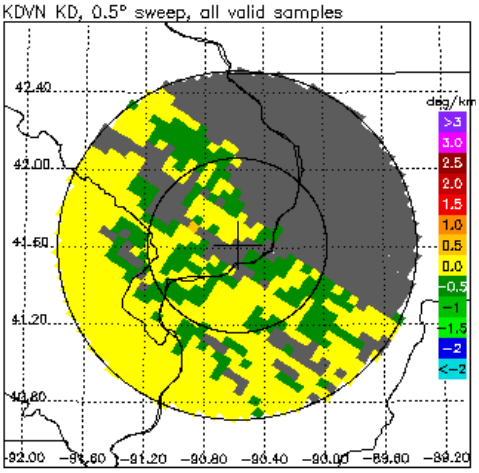
DPR/2ADPR Dm, 0.5° sweep, all valid samples



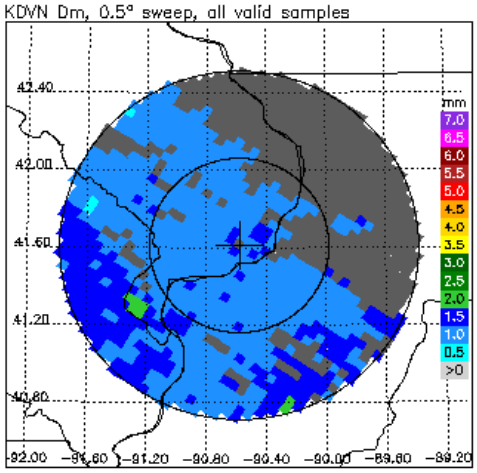
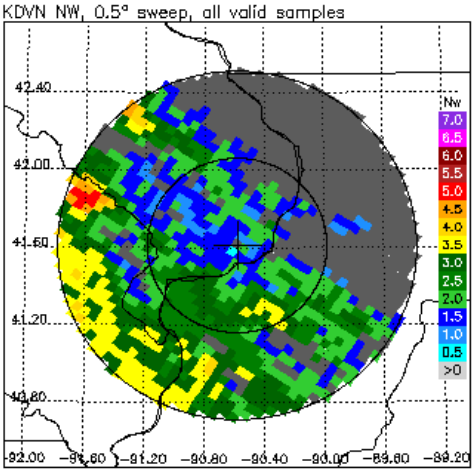
DPR/2ADPR NW, 0.5° sweep, all valid samples



KDVN KD, 0.5° sweep, all valid samples



KDVN Dm, 0.5° sweep, all valid samples



KDVN NW, 0.5° sweep, all valid samples