

KABR Ku-adjusted DSD vs. DPR 2ADPR/NS/V05A $\geq 50\%$ bins above threshold
 Orbit: 22815 -- GR Start Time: 2018-03-05 04:54:26

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KABR

Orbit: 22815 Version: V05A Swath Type: NS

DPR time = 2018-03-05 04:56:33 GR start time = 2018-03-05 04:54:26

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	1.960	41	1.455	21	2.511	20	85.852	40.649	36.659	
2.0	2.037	41	1.852	20	2.218	21	86.728	38.084	34.192	@ BB
3.0	2.090	24	1.921	11	2.236	13	89.737	33.016	30.339	@ BB
4.0	2.642	10	2.185	3	2.861	7	85.516	29.665	26.391	
5.0	3.051	5	1.572	1	3.440	4	94.269	27.957	24.461	

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	
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Below	2.495	11	3.348	4	2.020	7	79.149	37.733	35.143	

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
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1.0	0.364	11	0.278	4	0.412	7	79.149	2.372	1.685

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

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	0.364	11	0.278	4	0.412	7	79.149	2.372	1.685

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	-0.122	11	-0.026	4	-0.175	7	79.149	4.113	3.493

No above-threshold points at height 2.000

No above-threshold points at height 3.000

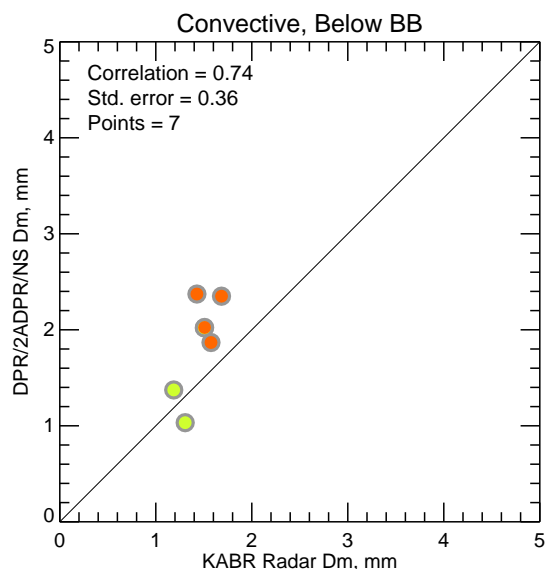
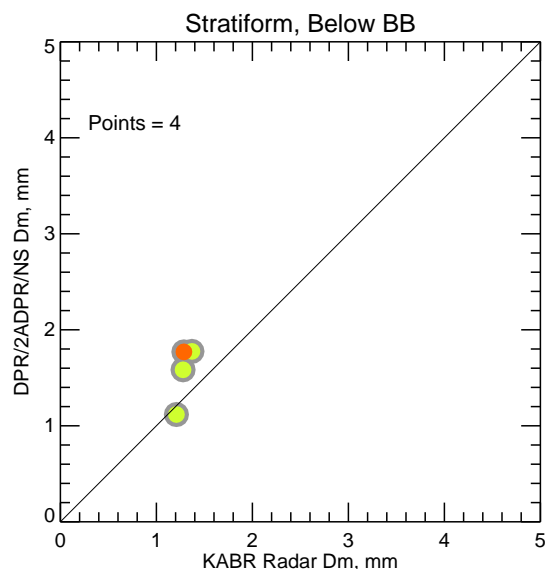
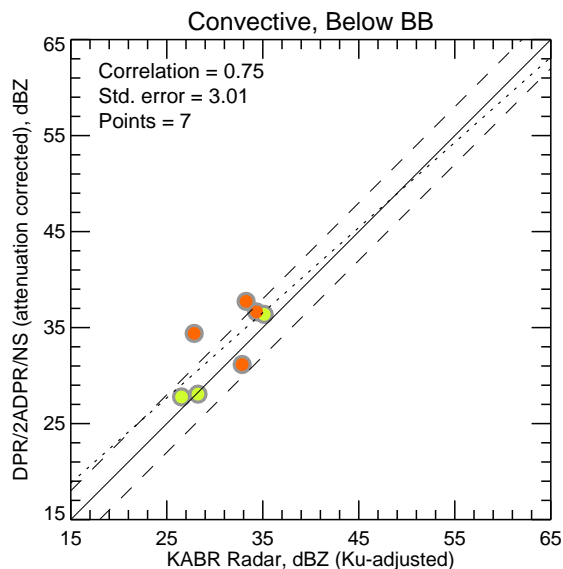
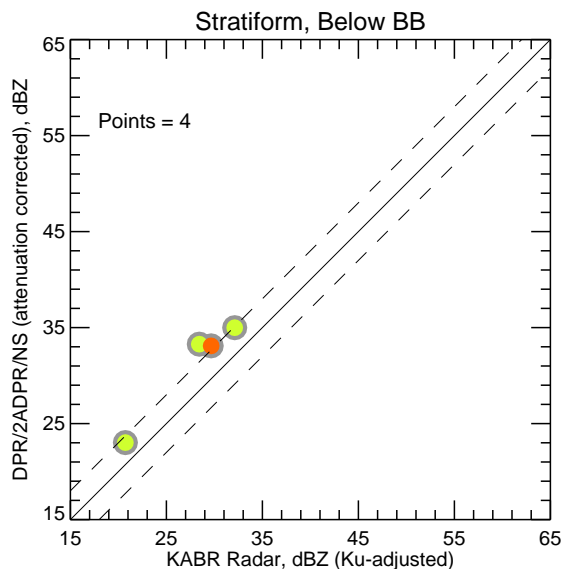
No above-threshold points at height 4.000

No above-threshold points at height 5.000

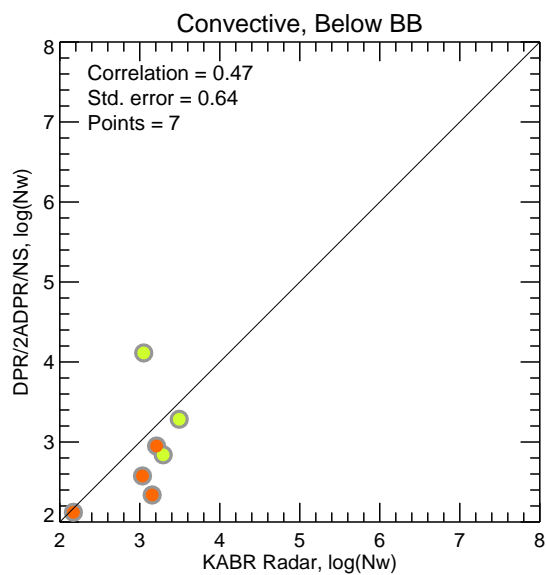
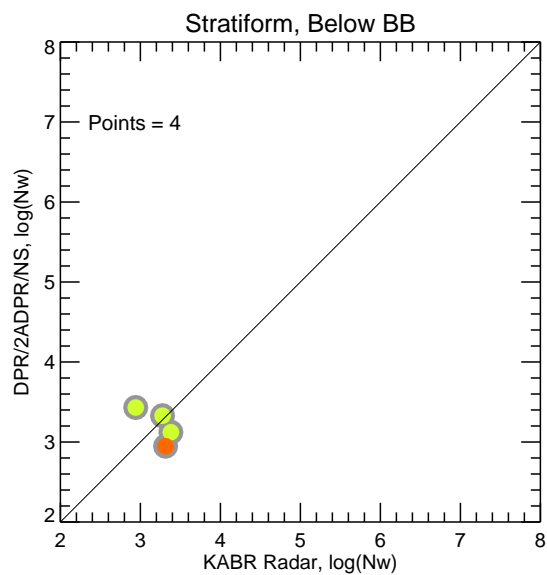
Mean Normalized Intercept Parameter (log10(Nw)) Statistics grouped by proximity to Bright Band:

Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics		
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Below	-0.122	11	-0.026	4	-0.175	7	79.149	4.113	3.493

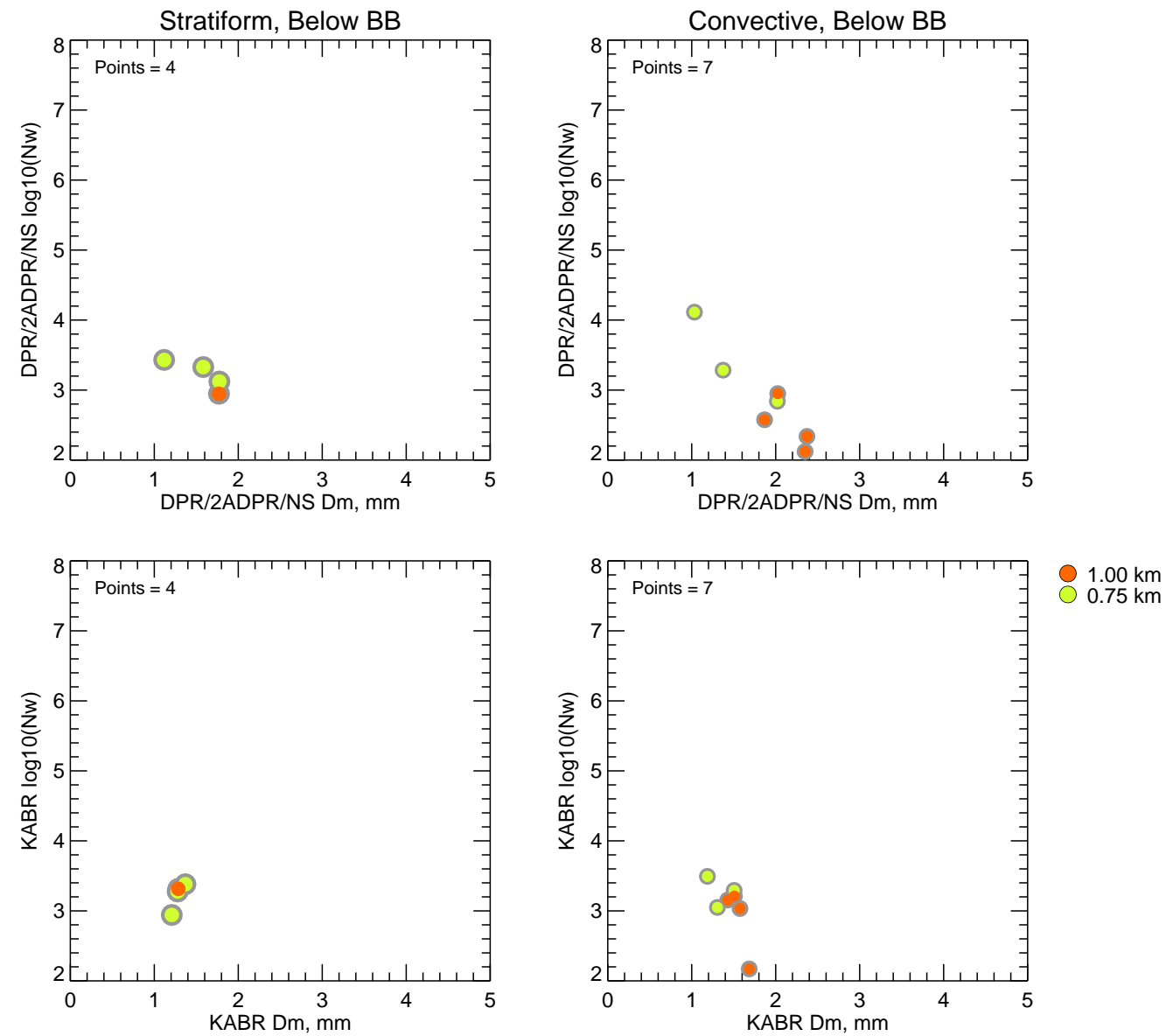
KABR Ku-adjusted DSD vs. DPR 2ADPR/NS/V05A >=50% bins above threshold



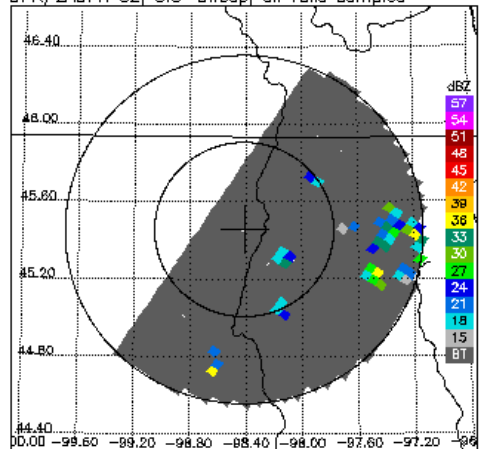
● 1.00 km
● 0.75 km



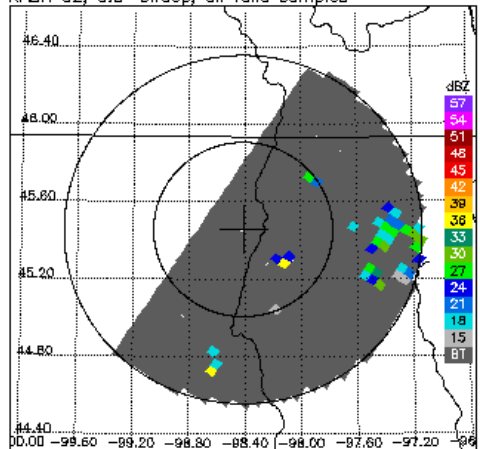
Dm vs. log10(Nw) for DPR 2ADPR/NS/V05A and KABR >=50% bins above threshold



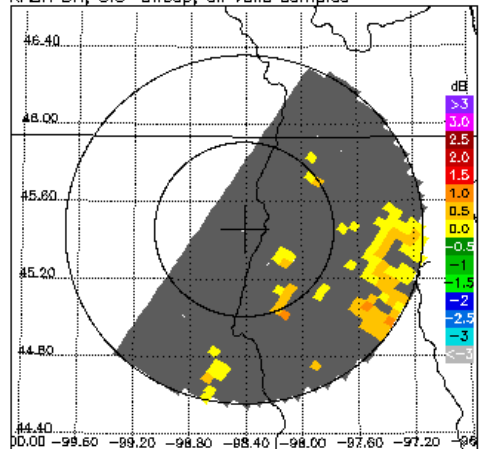
DPR/2ADPR CZ, 0.5° sweep, all valid samples



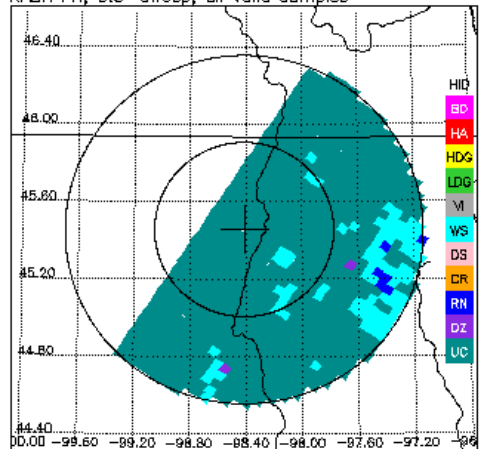
KABR CZ, 0.5° sweep, all valid samples



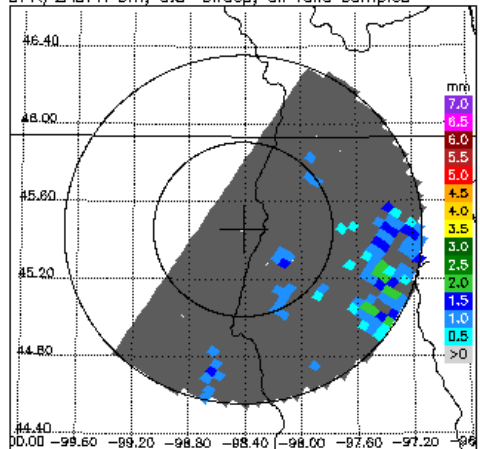
KABR DR, 0.5° sweep, all valid samples



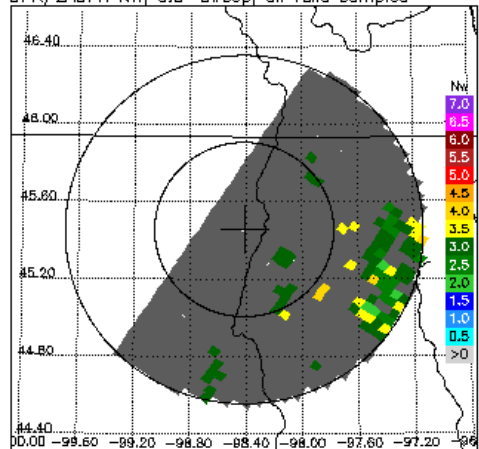
KABR FH, 0.5° sweep, all valid samples



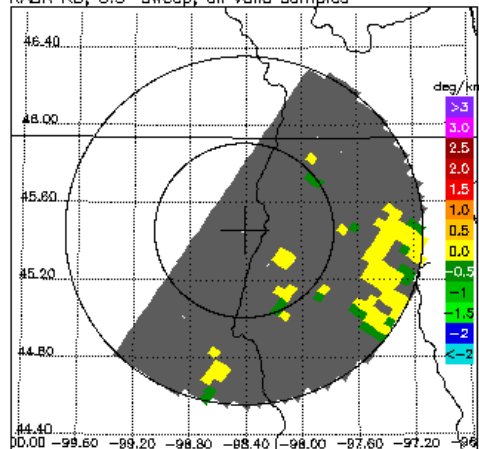
DPR/2ADPR Dm, 0.5° sweep, all valid samples



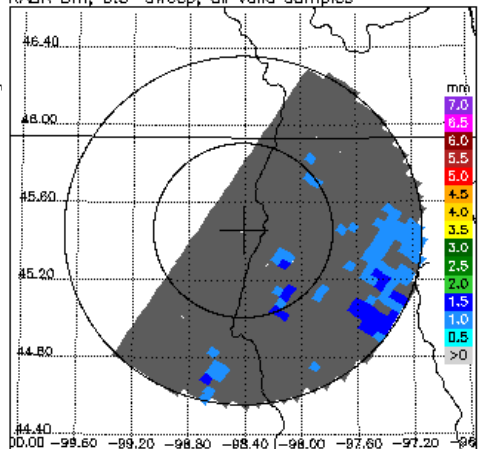
DPR/2ADPR NW, 0.5° sweep, all valid samples



KABR KD, 0.5° sweep, all valid samples



KABR Dm, 0.5° sweep, all valid samples



KABR NW, 0.5° sweep, all valid samples

