

KSHV Ku-adjusted DSD vs. DPR 2ADPR/NS/V05A $\geq 50\%$ bins above threshold
 Orbit: 22630 -- GR Start Time: 2018-02-21 07:30:29

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

Orbit: 22630 Version: V05A Swath Type: NS

DPR time = 2018-02-21 07:30:20 GR start time = 2018-02-21 07:30:29

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	-0.937	79	-0.816	42	-1.066	37	78.692	47.989	46.482
2.0	-0.397	115	-0.692	62	-0.043	53	80.643	46.109	45.619 @ BB
3.0	0.262	85	0.426	38	0.132	47	81.353	44.583	41.888 @ BB
4.0	2.103	43	2.853	12	1.834	31	81.950	42.350	39.201
5.0	4.817	12	-0.386	1	5.209	11	85.930	36.347	29.353
6.0	4.468	2	-99.999	0	4.468	2	95.558	24.945	20.041

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	-0.934	102	-0.795	54	-1.085	48	78.526	47.989	46.482

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	0.394	79	0.299	42	0.495	37	78.692	2.648	2.077
2.0	0.338	23	0.246	12	0.442	11	77.954	2.738	1.925 @ BB

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

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	0.381	102	0.287	54	0.484	48	78.526	2.738	2.077

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	-0.429	79	-0.272	42	-0.597	37	78.692	3.870	3.962
2.0	-0.237	23	-0.152	12	-0.332	11	77.954	4.052	3.858 @ BB

No above-threshold points at height 3.000

No above-threshold points at height 4.000

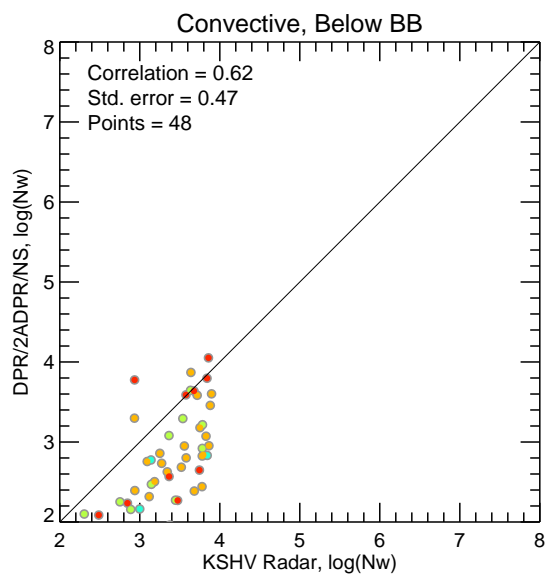
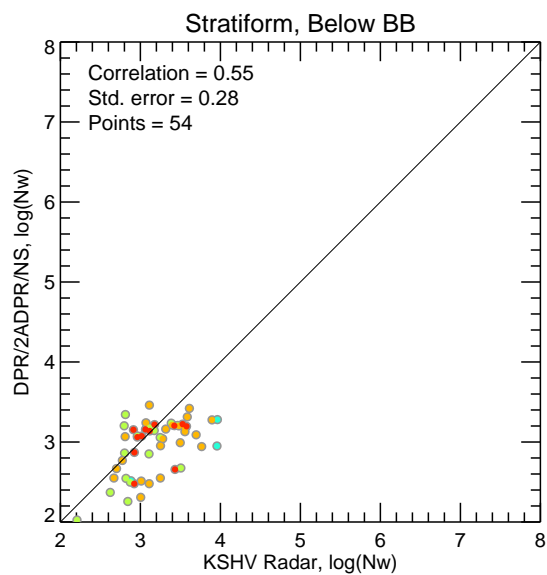
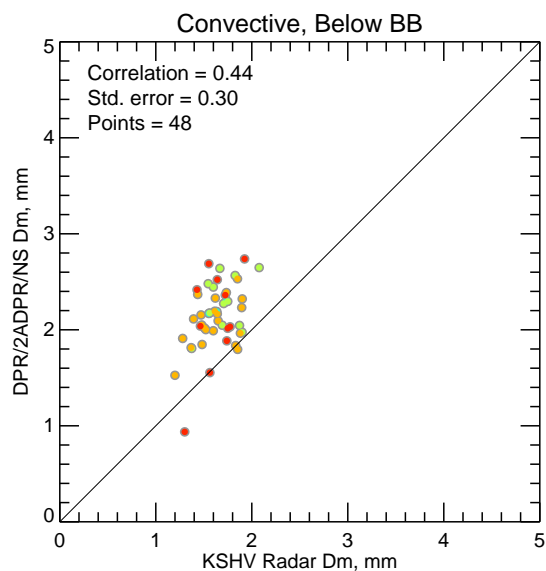
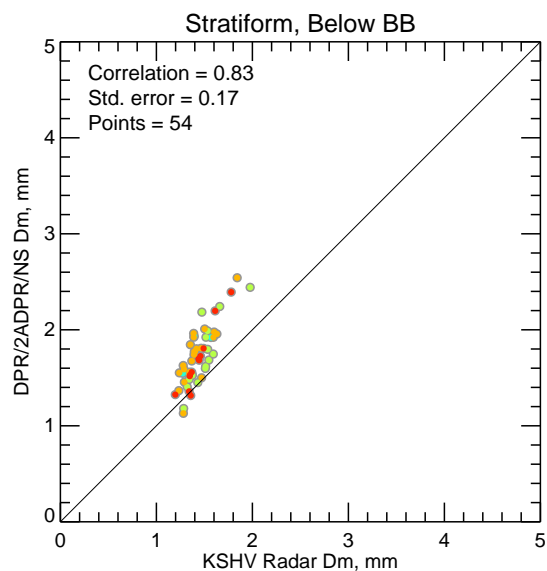
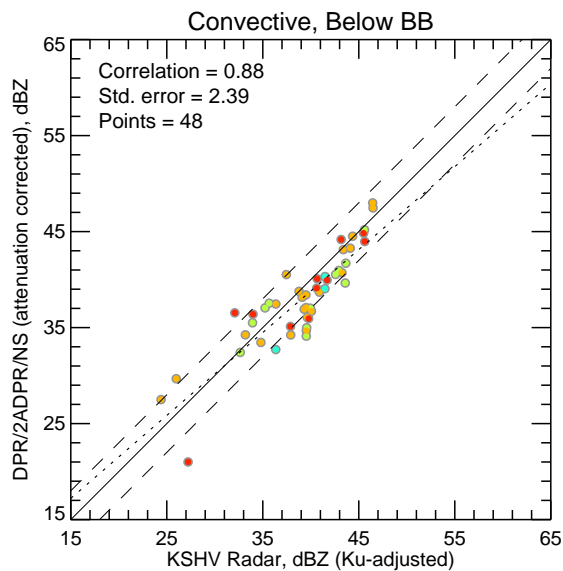
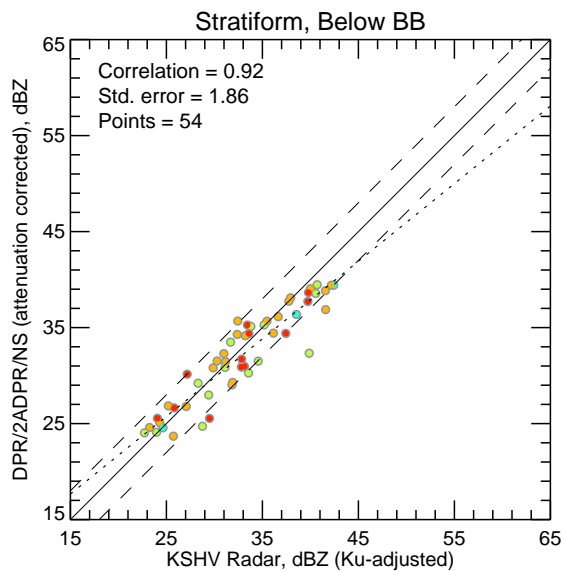
No above-threshold points at height 5.000

No above-threshold points at height 6.000

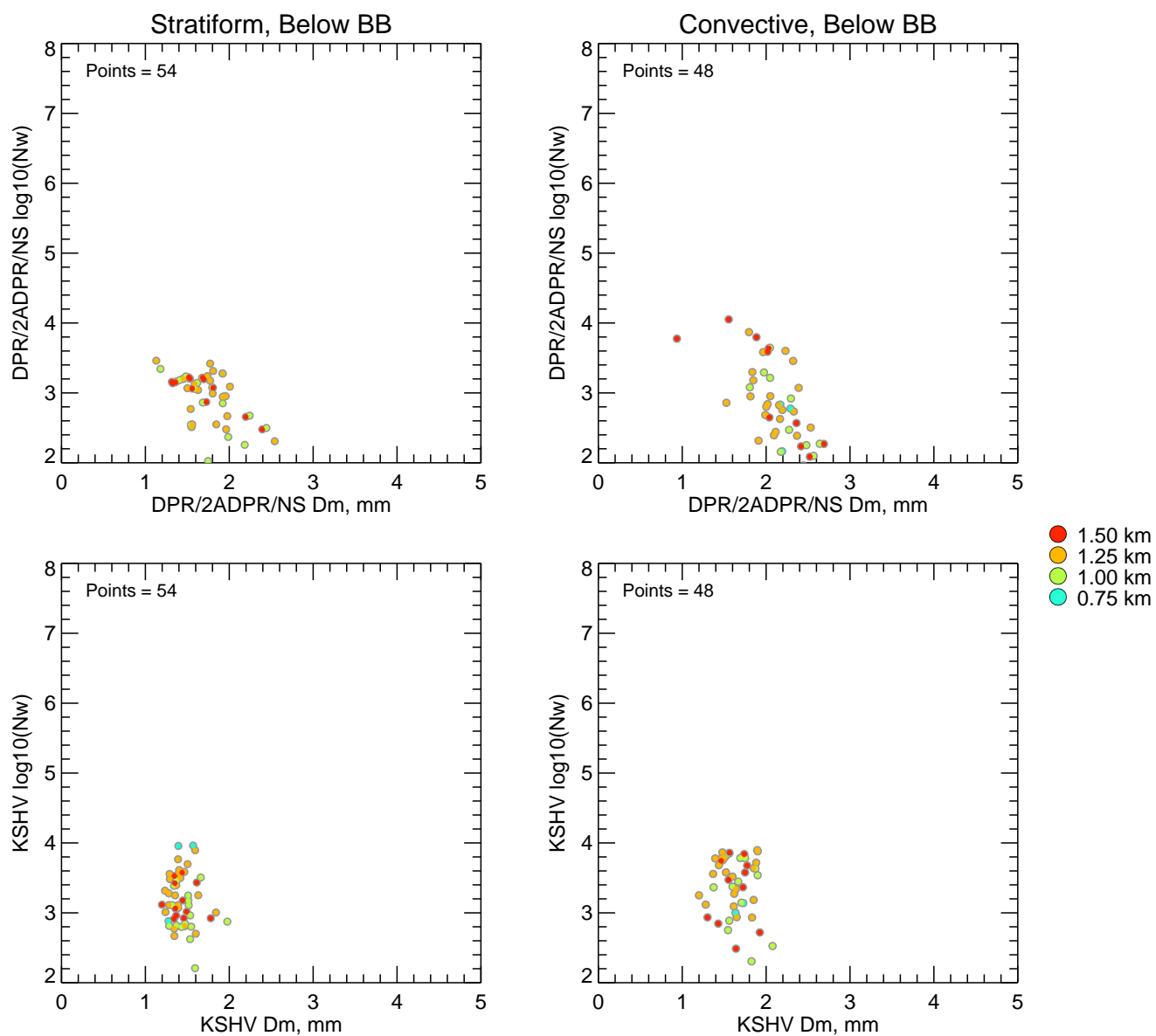
Mean Normalized Intercept Parameter (log10(Nw)) Statistics grouped by proximity to Bright Band:

Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics		
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Below	-0.386	102	-0.245	54	-0.539	48	78.526	4.052	3.962

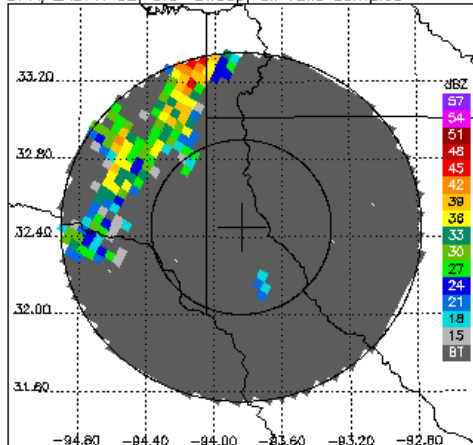
KSHV Ku-adjusted DSD vs. DPR 2ADPR/NS/V05A >=50% bins above threshold



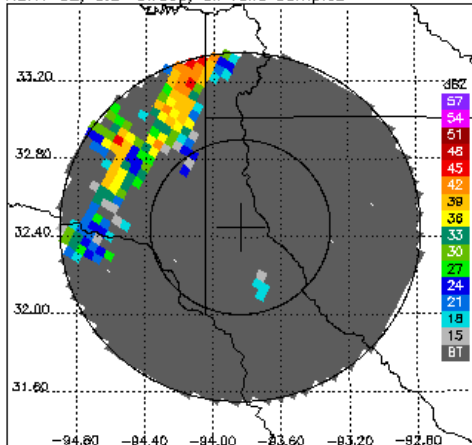
Dm vs. $\log_{10}(N_w)$ for DPR 2ADPR/NS/V05A and KSHV $\geq 50\%$ bins above threshold



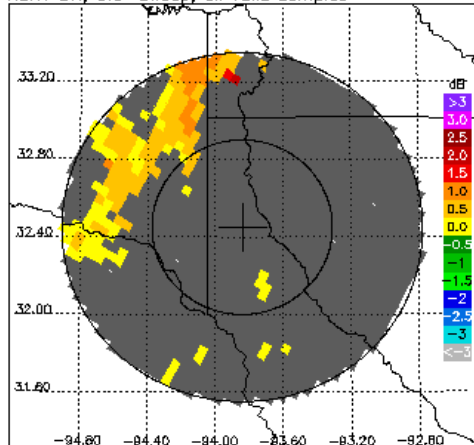
DPR/2ADPR CZ, 0.5° sweep, all valid samples



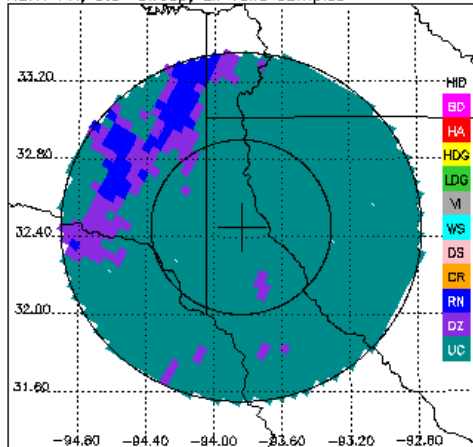
KSHV CZ, 0.5° sweep, all valid samples



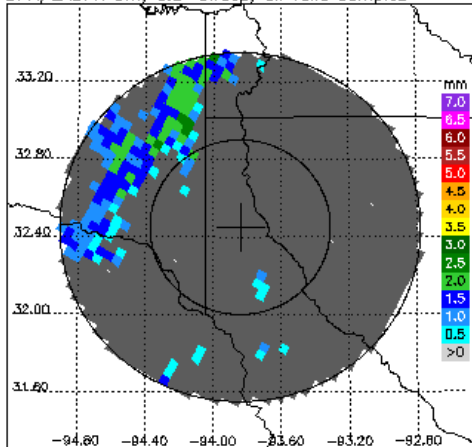
KSHV DR, 0.5° sweep, all valid samples



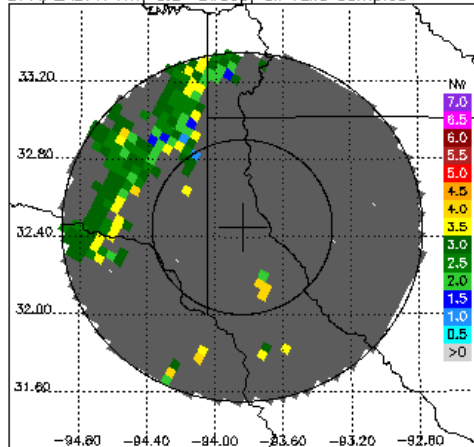
KSHV FH, 0.5° sweep, all valid samples



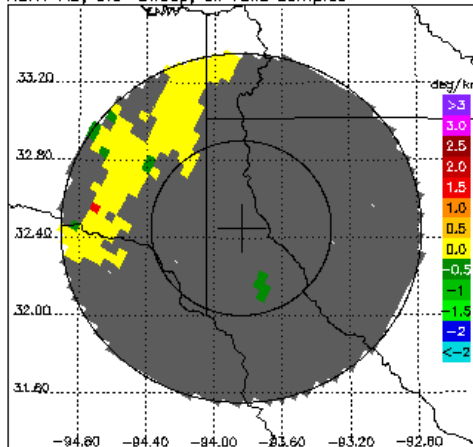
DPR/2ADPR Dm, 0.5° sweep, all valid samples



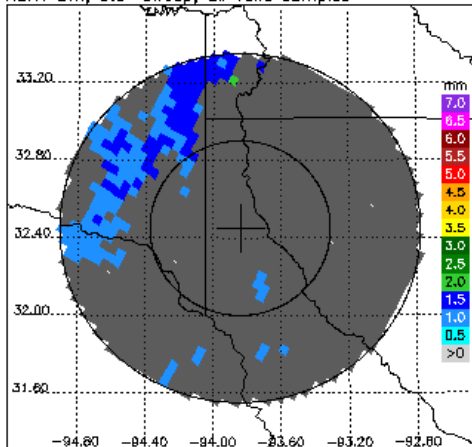
DPR/2ADPR NW, 0.5° sweep, all valid samples



KSHV KD, 0.5° sweep, all valid samples



KSHV Dm, 0.5° sweep, all valid samples



KSHV NW, 0.5° sweep, all valid samples

