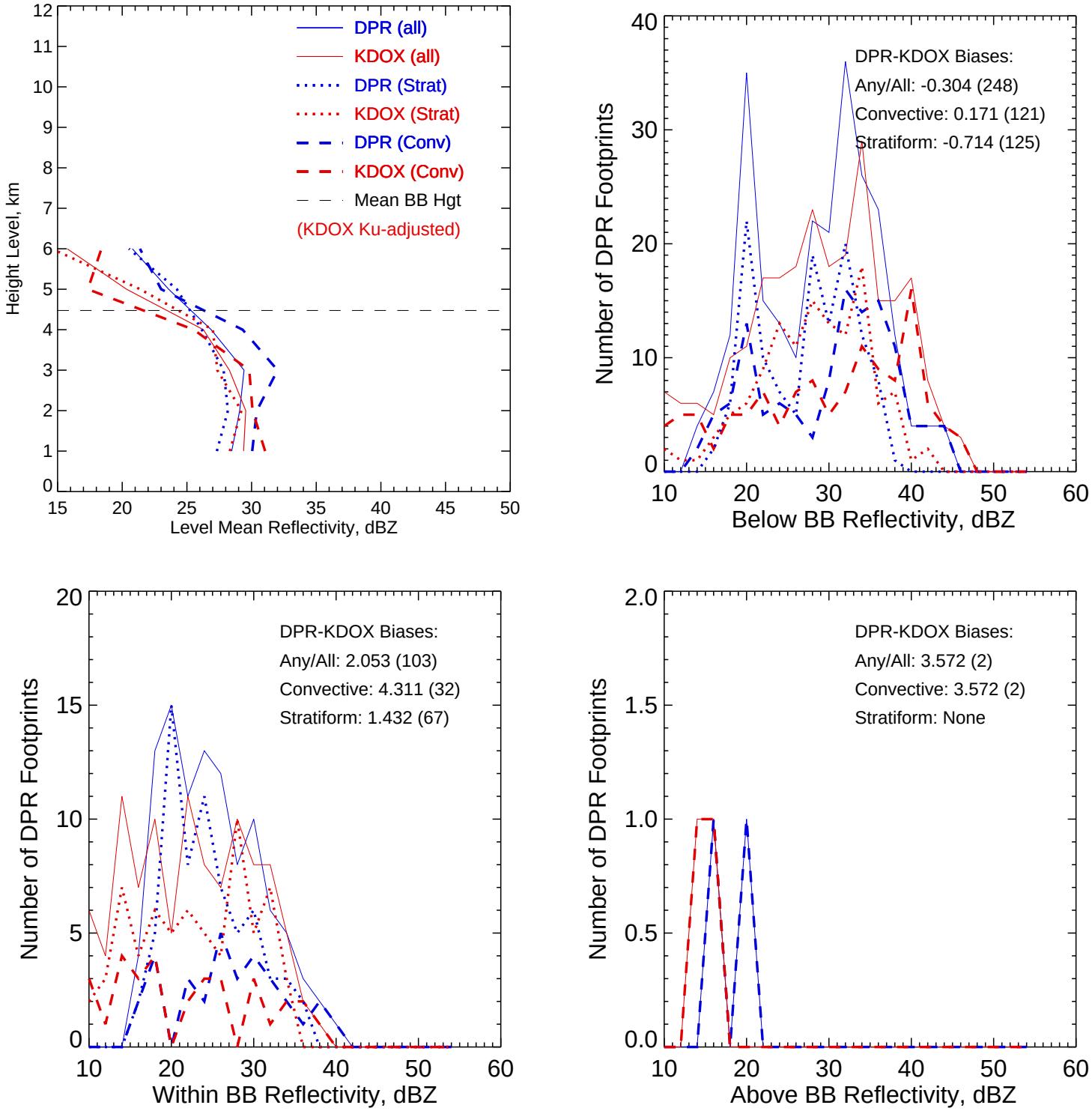


KDOX Ku-adjusted Zc vs. DPR 2ADPR/NS/V05A -- All non-missing pairs

Orbit: 7558 -- GR Start Time: 2015-06-28 11:03:00

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KDOX
Orbit: 7558 Version: V05A Swath Type: NS
DPR time = 2015-06-28 11:02:20 GR start time = 2015-06-28 11:03:00
Required percent of above-threshold DPR and GR bins in matched volumes >= 0%
GR reflectivity has S-to-Ku frequency adjustments applied.

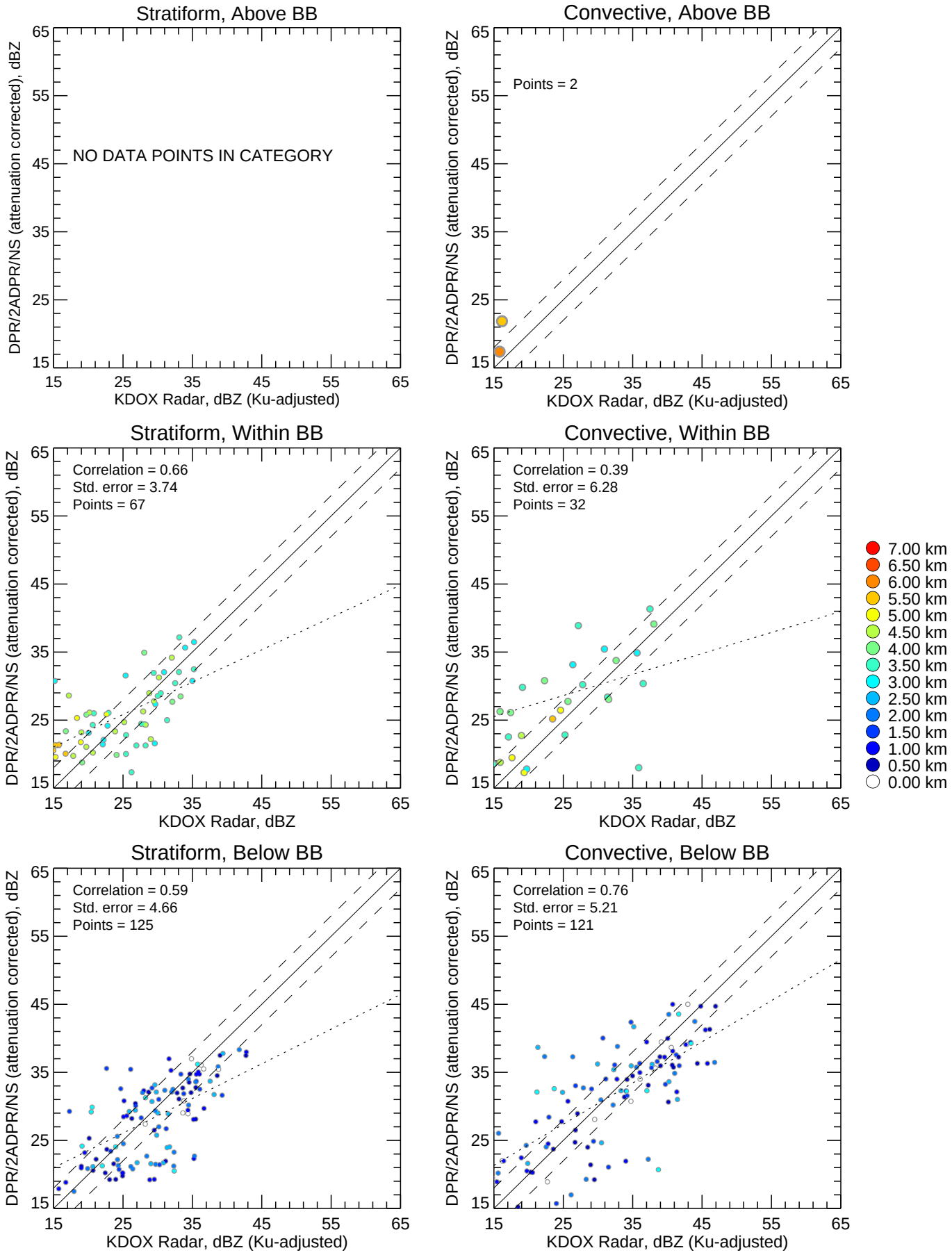
Mean Reflectivity Statistics grouped by fixed height levels (km):

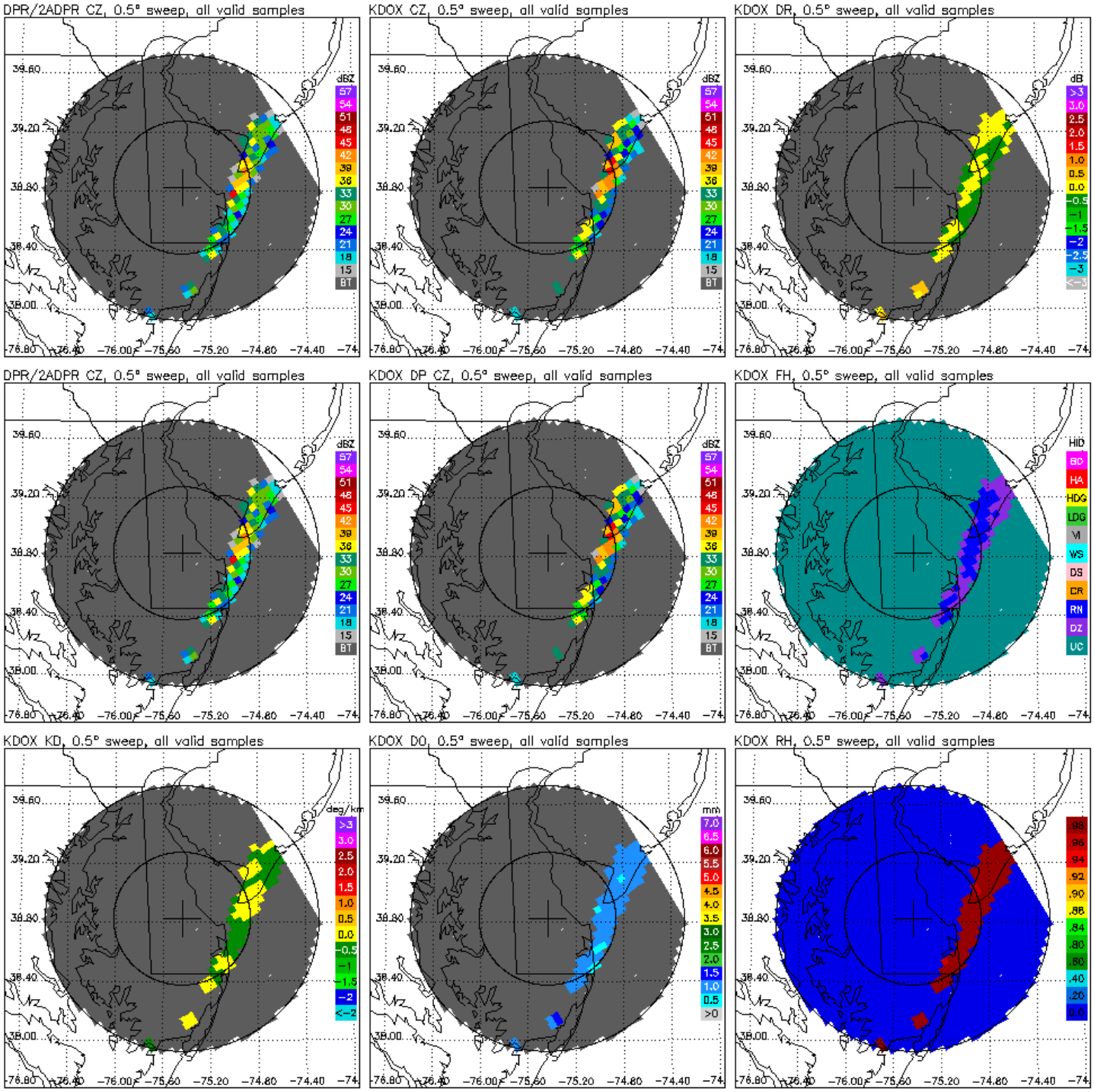
Vert.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
1.0	-0.919	99	-1.000	48	-0.998	50	56.553	45.000	46.946	
2.0	-0.467	81	-1.043	42	0.333	38	55.828	43.523	46.812	
3.0	1.130	65	0.487	39	2.183	26	53.345	43.560	43.410	
4.0	0.601	47	-0.849	26	3.777	19	59.301	41.327	38.054	@ BB
5.0	3.254	33	2.836	24	5.670	7	66.014	34.184	32.030	@ BB
6.0	5.043	8	5.963	5	2.977	3	64.682	25.179	23.456	

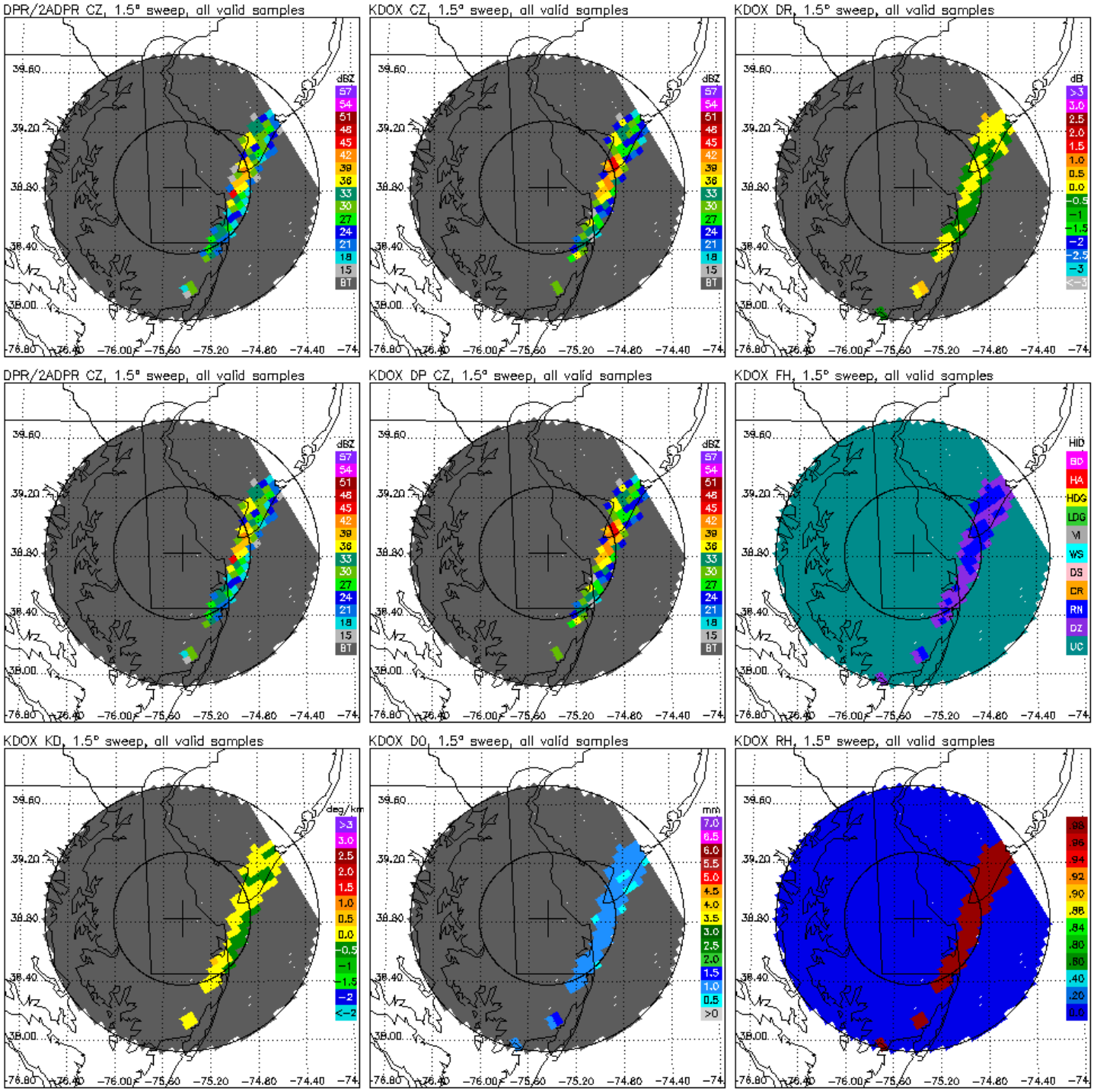
No above-threshold points at height 7.000

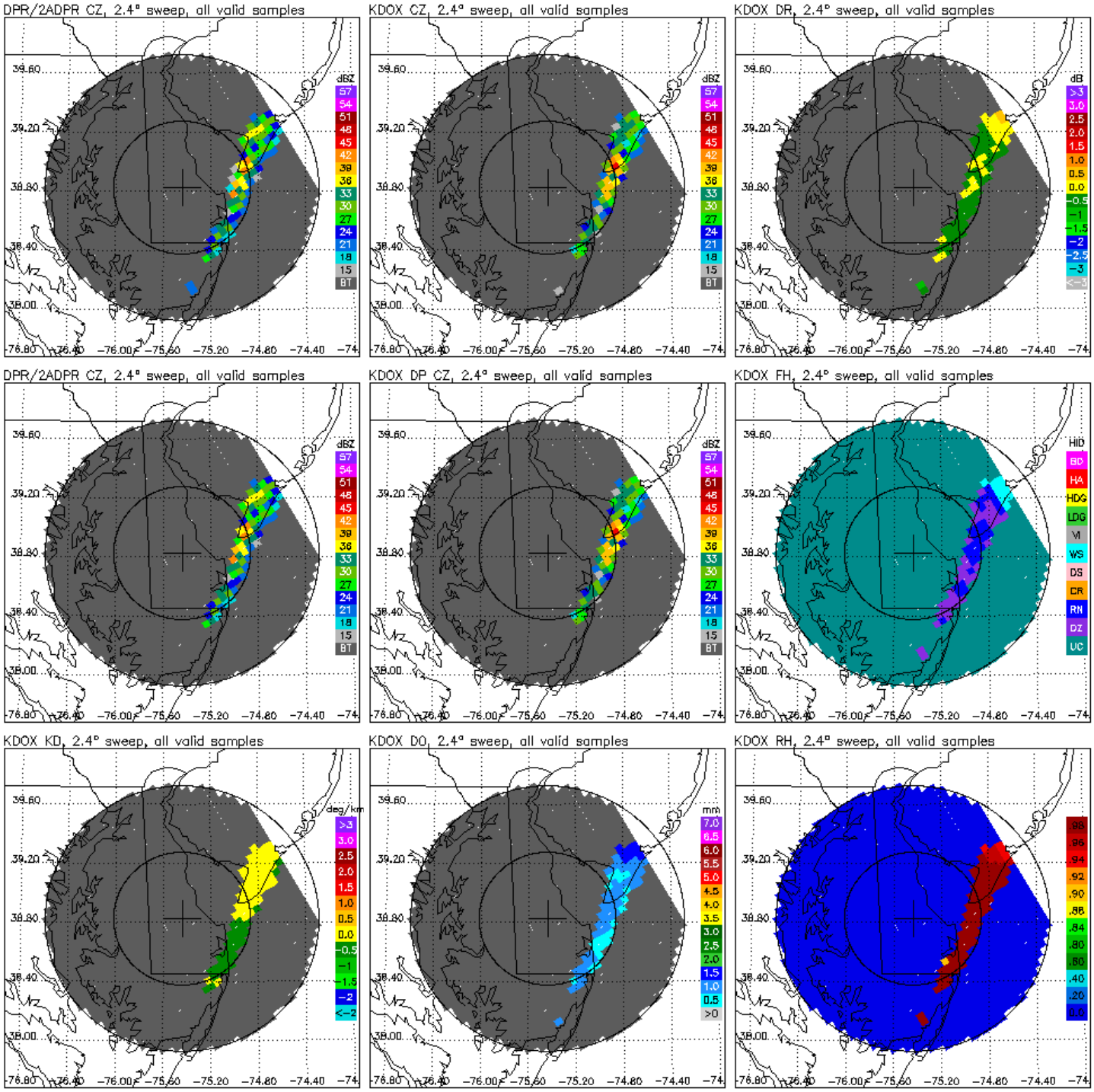
Mean Reflectivity Statistics grouped by proximity to Bright Band:

Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics			
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
Below	-0.304	248	-0.714	125	0.171	121	53.973	45.000	46.946	
Within	2.053	103	1.432	67	4.311	32	62.167	41.327	38.054	@ BB
Above	3.572	2	-99.999	0	3.572	2	53.938	21.856	16.163	


KDOX Ku-adjusted Zc vs. DPR 2ADPR/NS/V05A -- All non-missing pairs
Stratiform, Above BB
NO DATA POINTS IN CATEGORY
Convective, Above BB
Points = 2
Stratiform, Within BB
Correlation = 0.66
Std. error = 3.74
Points = 67
Convective, Within BB
Correlation = 0.39
Std. error = 6.28
Points = 32
Stratiform, Below BB
Correlation = 0.59
Std. error = 4.66
Points = 125
Convective, Below BB
Correlation = 0.76
Std. error = 5.21
Points = 121
DPR/2ADPR/NS (attenuation corrected), dBZ
KDOX Radar, dBZ (Ku-adjusted)
KDOX Radar, dBZ
7.00 km
6.50 km
6.00 km
5.50 km
5.00 km
4.50 km
4.00 km
3.50 km
3.00 km
2.50 km
2.00 km
1.50 km
1.00 km
0.50 km
0.00 km


DPR/2ADPR CZ, 0.5° sweep, all valid samples
KDOX CZ, 0.5° sweep, all valid samples
KDOX DR, 0.5° sweep, all valid samples
DPR/2ADPR CZ, 0.5° sweep, all valid samples
KDOX DP CZ, 0.5° sweep, all valid samples
KDOX FH, 0.5° sweep, all valid samples
KDOX KD, 0.5° sweep, all valid samples
KDOX DO, 0.5° sweep, all valid samples
KDOX RH, 0.5° sweep, all valid samples
dBZ
dB
deg/km
mm
HID
BD
HA
HDG
LDG
VI
WS
DS
CR
RN
DZ
UC
39.60
39.20
38.80
38.40
38.00
-76.80
-76.40
-76.00
-75.60
-75.20
-74.80
-74.40
-74


DPR/2ADPR CZ, 1.5° sweep, all valid samples
KDOX CZ, 1.5° sweep, all valid samples
KDOX DR, 1.5° sweep, all valid samples
DPR/2ADPR CZ, 1.5° sweep, all valid samples
KDOX DP CZ, 1.5° sweep, all valid samples
KDOX FH, 1.5° sweep, all valid samples
KDOX KD, 1.5° sweep, all valid samples
KDOX DO, 1.5° sweep, all valid samples
KDOX RH, 1.5° sweep, all valid samples
dBZ
57 54 51 48 45 42 39 36 33 30 27 24 21 18 15 BT
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
HID
BD HA HDG LDG VI WS DS CR RN DZ UC
deg/km
>3 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5 -1 -1.5 -2 <-2
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
.98 .96 .94 .92 .90 .88 .84 .80 .60 .40 .20 0.0
39.60 39.20 38.80 38.40 38.00
-76.80 -76.40 -76.00 -75.60 -75.20 -74.80 -74.40 -74


DPR/2ADPR CZ, 2.4° sweep, all valid samples
KDOX CZ, 2.4° sweep, all valid samples
KDOX DR, 2.4° sweep, all valid samples
DPR/2ADPR CZ, 2.4° sweep, all valid samples
KDOX DP CZ, 2.4° sweep, all valid samples
KDOX FH, 2.4° sweep, all valid samples
KDOX KD, 2.4° sweep, all valid samples
KDOX DO, 2.4° sweep, all valid samples
KDOX RH, 2.4° sweep, all valid samples
dBZ
dB
deg/km
mm
HID
BD
HA
HDG
LDG
VI
WS
DS
CR
RN
DZ
UC
39.60
39.20
38.80
38.40
38.00
-76.80
-76.40
-76.00
-75.60
-75.20
-74.80
-74.40
-74