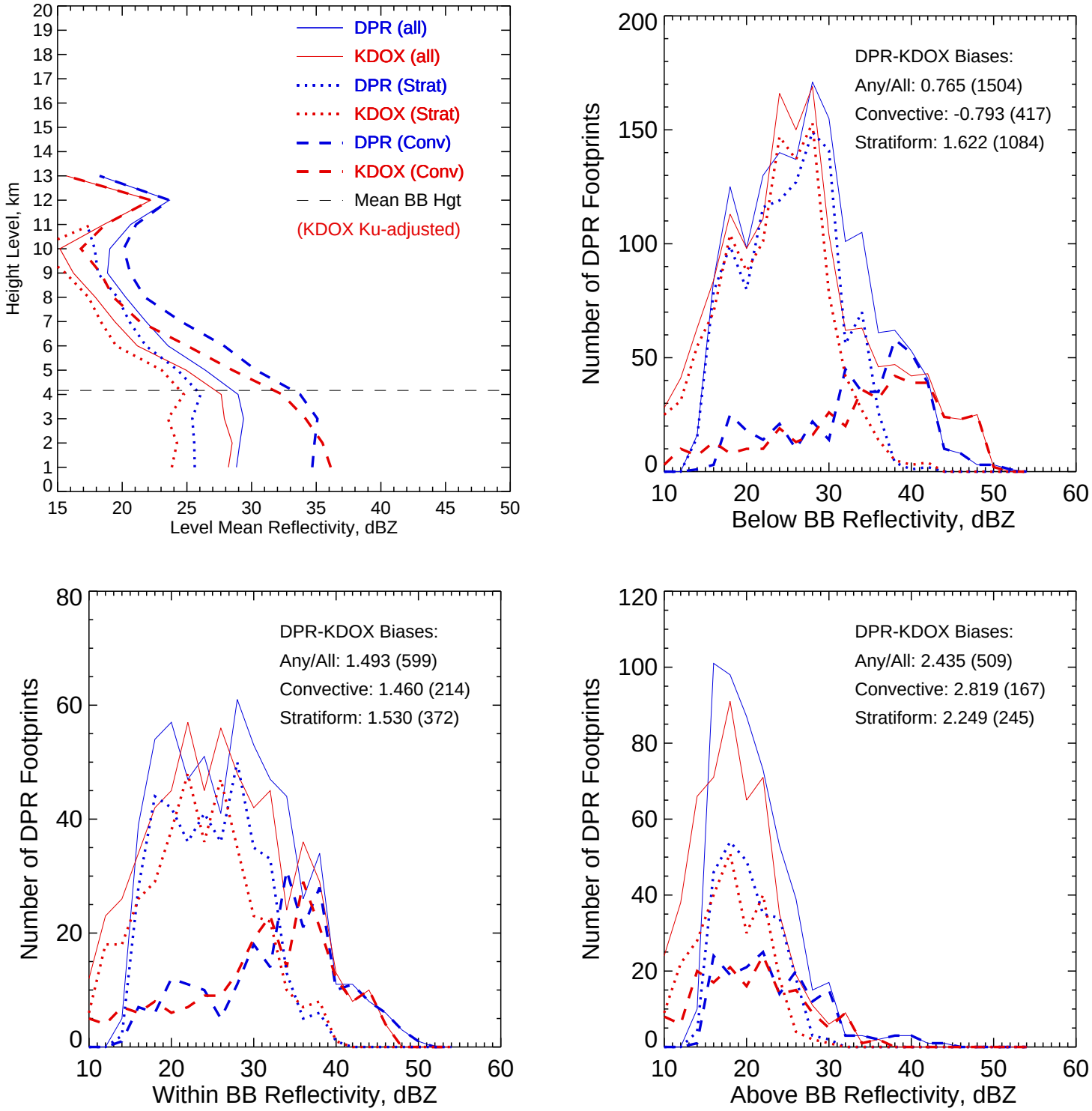


KDOX Ku-adjusted Zc vs. DPR 2ADPR/NS/V05A -- All non-missing pairs

Orbit: 8388 -- GR Start Time: 2015-08-20 19:27:10

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KDOX
Orbit: 8388 Version: V05A Swath Type: NS
DPR time = 2015-08-20 19:27:14 GR start time = 2015-08-20 19:27:10
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):

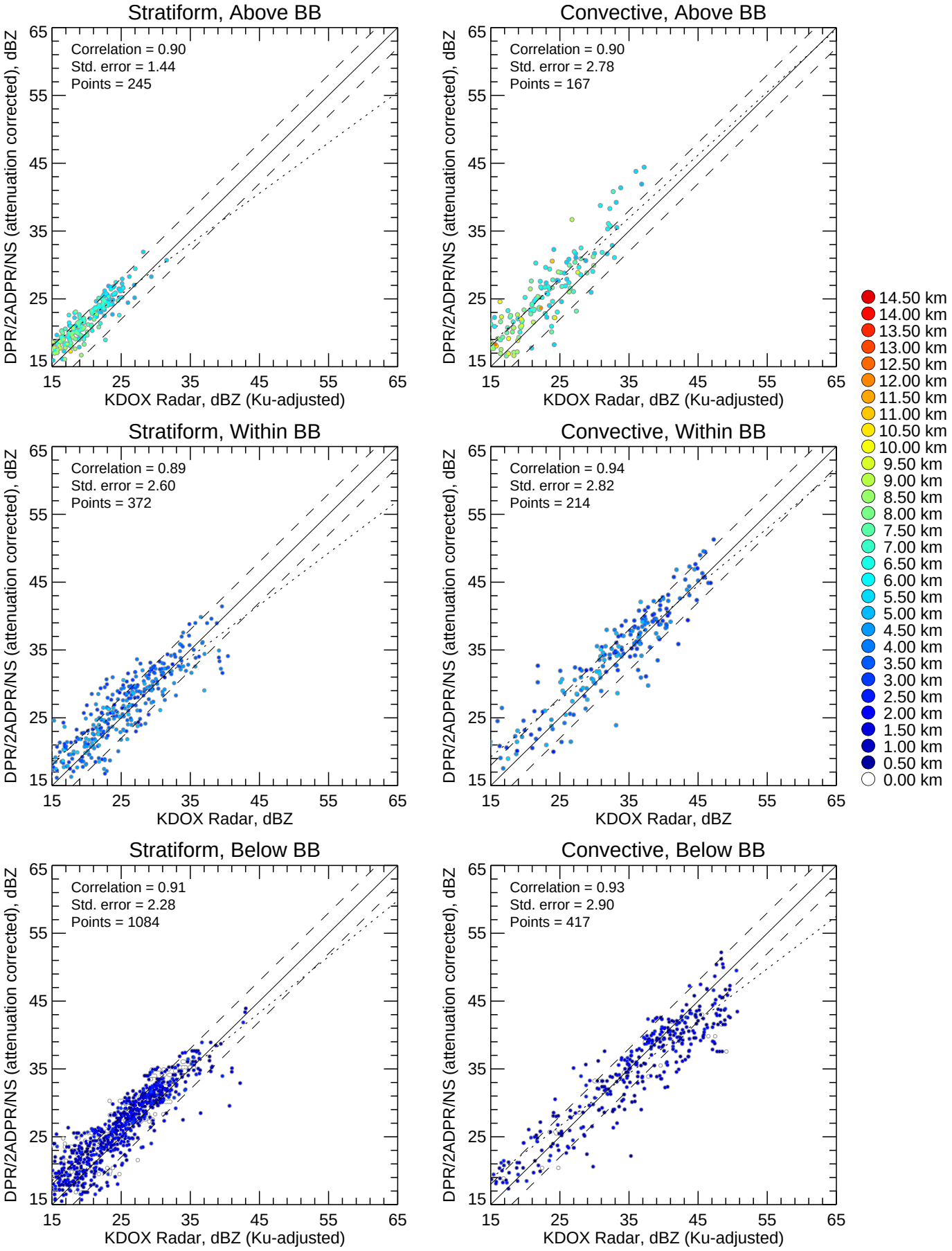
Vert.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
1.0	0.619	641	1.773	448	-1.430	190	41.631	52.180	49.628	
2.0	0.592	443	1.334	297	-0.625	146	49.445	50.467	50.673	
3.0	1.482	333	1.880	218	0.908	115	52.875	51.291	50.544	
4.0	1.302	253	1.288	167	1.384	83	53.428	49.549	46.478	@ BB
5.0	1.480	205	1.239	127	1.826	68	54.127	46.887	44.473	@ BB
6.0	2.376	169	2.300	91	2.841	51	53.456	44.417	37.192	
7.0	2.414	140	2.213	66	3.201	42	52.168	40.823	32.716	
8.0	2.349	88	2.237	36	2.442	31	52.511	31.231	29.828	
9.0	2.632	70	2.504	32	2.283	23	53.622	36.689	29.900	
10.0	3.860	17	4.565	6	3.311	9	49.261	28.904	27.605	
11.0	2.069	7	-0.405	1	2.374	6	49.547	30.574	24.274	
12.0	1.441	1	-99.999	0	1.441	1	34.343	23.654	22.214	
13.0	2.568	1	-99.999	0	2.568	1	36.312	18.247	15.679	

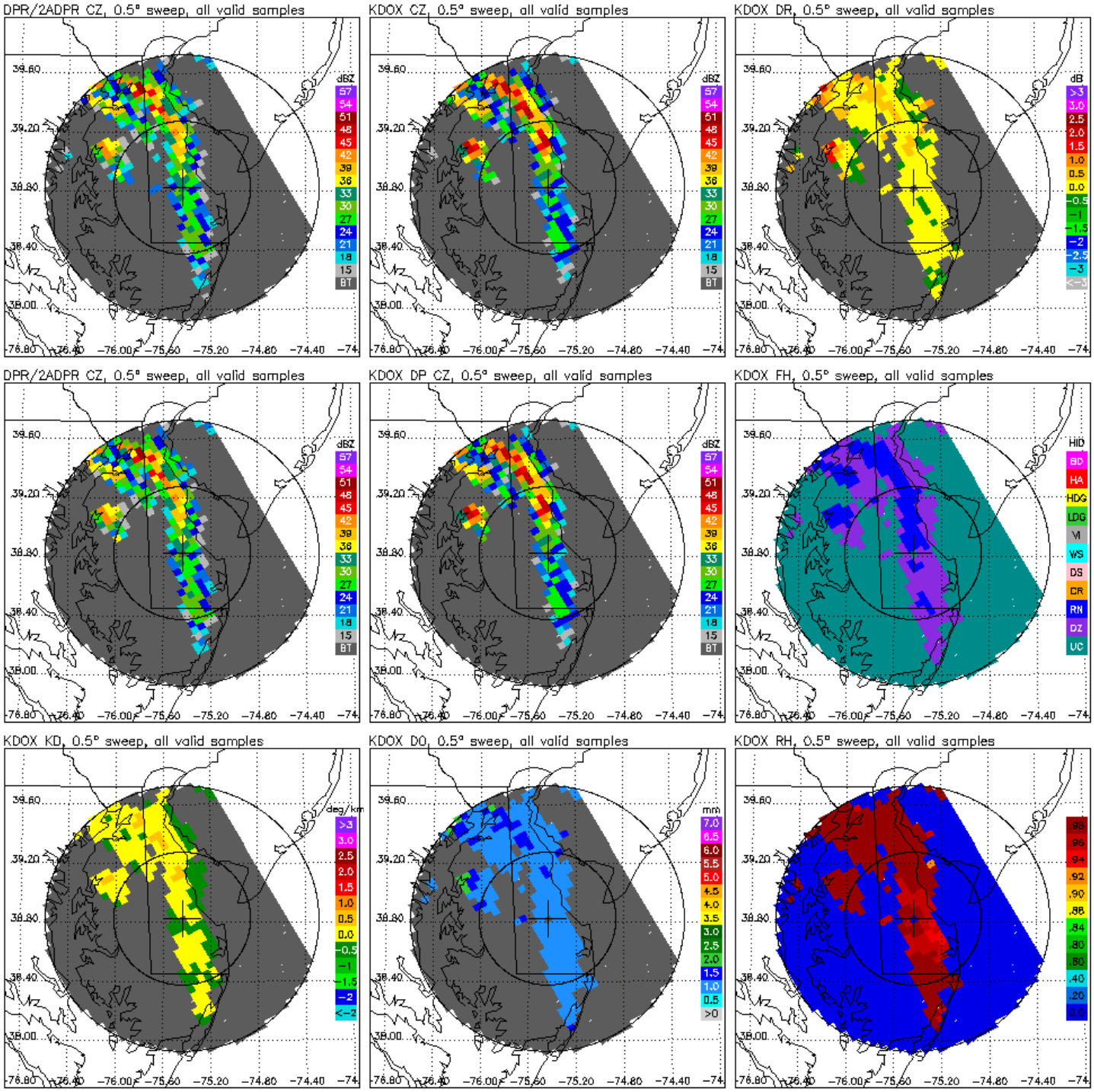
No above-threshold points at height 14.000
No above-threshold points at height 15.000

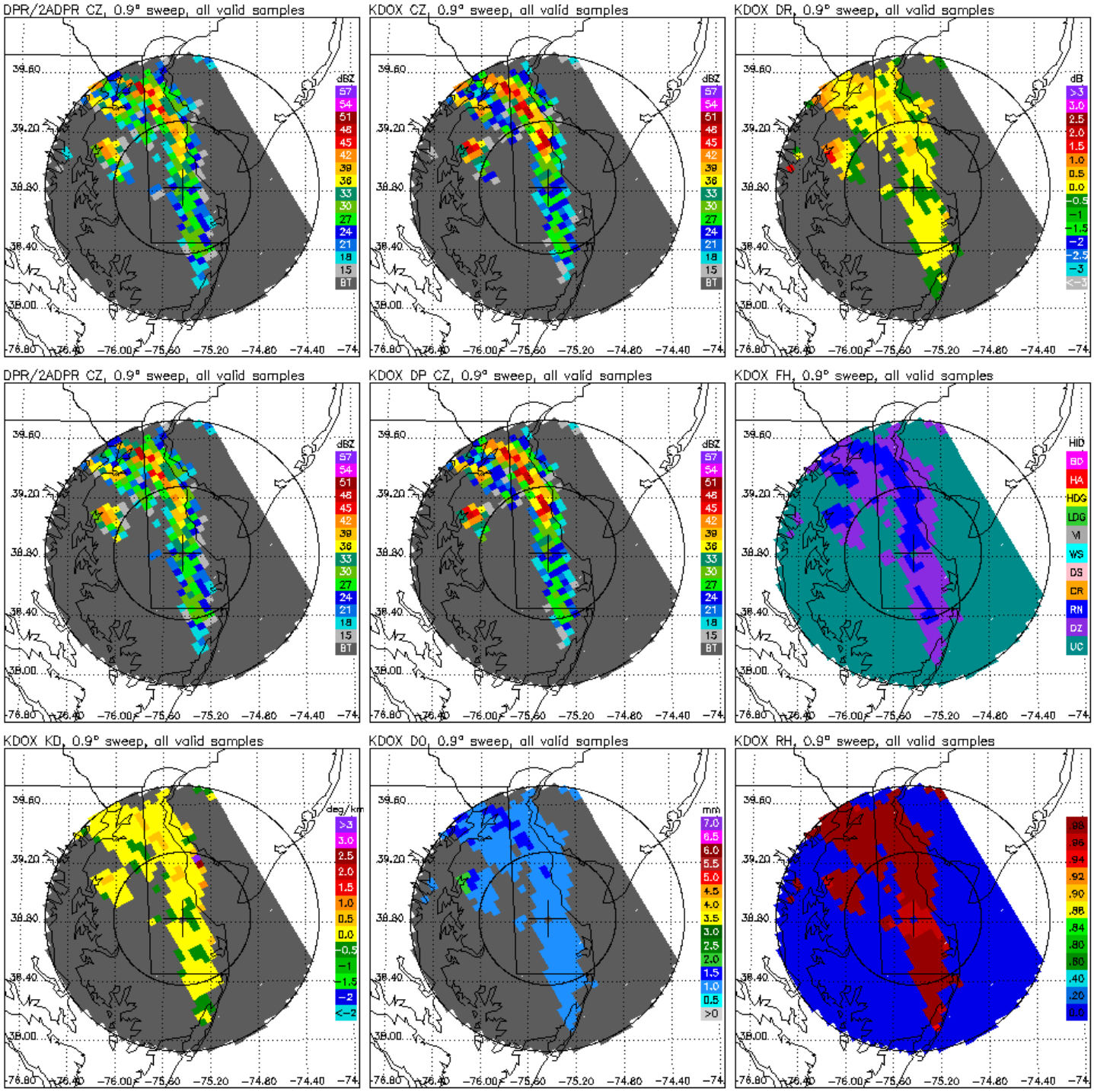
Mean Reflectivity Statistics grouped by proximity to Bright Band:

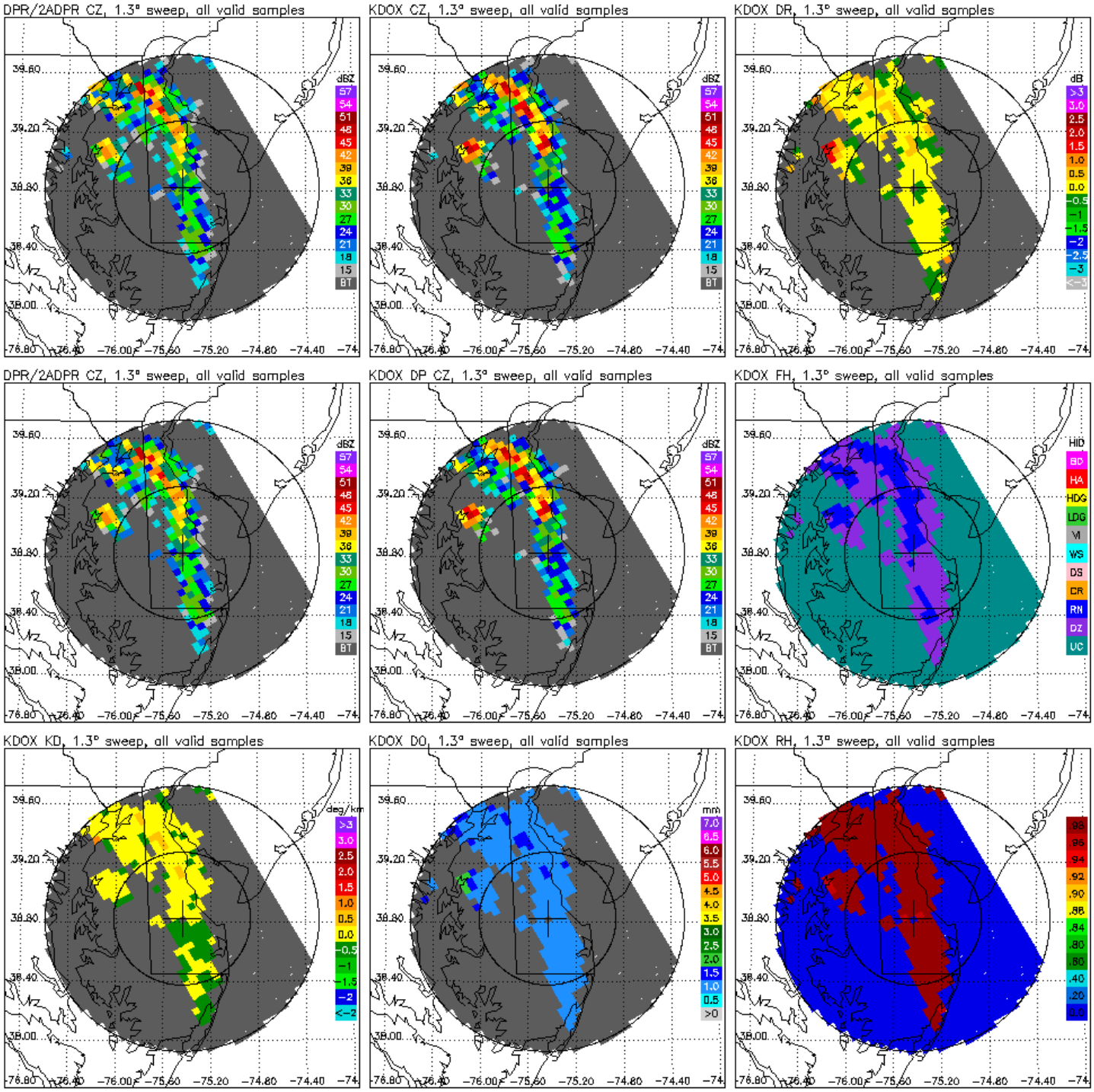
Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics			
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
Below	0.765	1504	1.622	1084	-0.793	417	40.576	52.180	50.673	
Within	1.493	599	1.530	372	1.460	214	56.965	51.291	47.255	@ BB
Above	2.435	509	2.249	245	2.819	167	51.013	44.417	37.192	

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




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
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, 0.9° sweep, all valid samples
KDOX CZ, 0.9° sweep, all valid samples
KDOX DR, 0.9° sweep, all valid samples
DPR/2ADPR CZ, 0.9° sweep, all valid samples
KDOX DP CZ, 0.9° sweep, all valid samples
KDOX FH, 0.9° sweep, all valid samples
KDOX KD, 0.9° sweep, all valid samples
KDOX DO, 0.9° sweep, all valid samples
KDOX RH, 0.9° 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, 1.3° sweep, all valid samples
KDOX CZ, 1.3° sweep, all valid samples
KDOX DR, 1.3° sweep, all valid samples
DPR/2ADPR CZ, 1.3° sweep, all valid samples
KDOX DP CZ, 1.3° sweep, all valid samples
KDOX FH, 1.3° sweep, all valid samples
KDOX KD, 1.3° sweep, all valid samples
KDOX DO, 1.3° sweep, all valid samples
KDOX RH, 1.3° 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