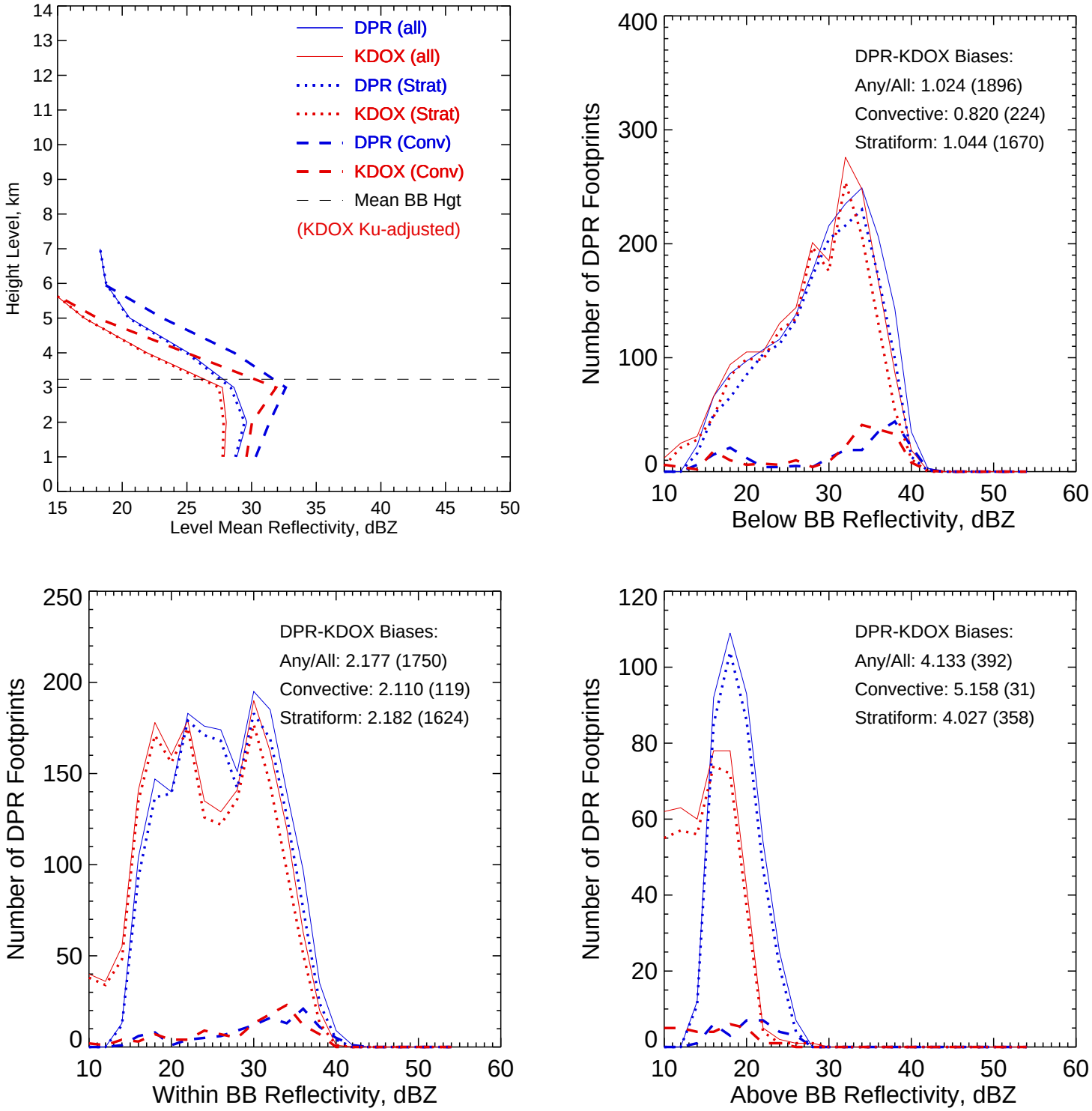


KDOX Ku-adjusted Zc vs. DPR 2ADPR/NS/V05A -- All non-missing pairs

Orbit: 6482 -- GR Start Time: 2015-04-20 07:09:49

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KDOX
Orbit: 6482 Version: V05A Swath Type: NS
DPR time = 2015-04-20 07:10:01 GR start time = 2015-04-20 07:09:49
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):

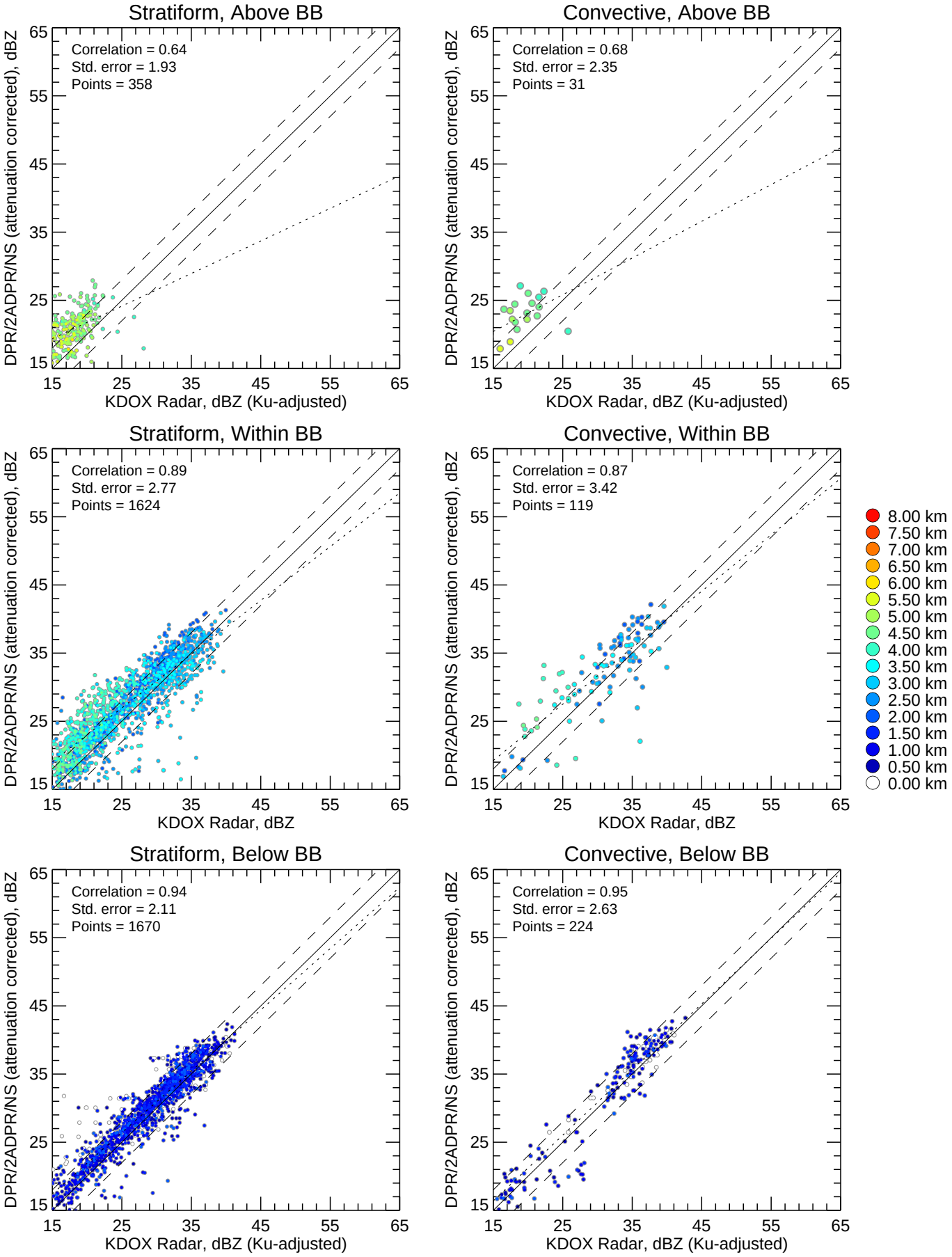
Vert.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
1.0	0.969	1142	0.989	1021	0.711	119	57.332	43.230	42.649	
2.0	1.588	759	1.615	676	1.355	82	51.168	42.131	39.967	
3.0	0.901	797	0.909	734	0.745	61	64.548	41.880	40.469	@ BB
4.0	3.197	613	3.186	571	3.687	39	65.491	38.101	37.714	@ BB
5.0	3.522	348	3.409	326	5.034	18	70.491	29.202	23.530	
6.0	5.000	117	4.978	105	5.201	12	73.024	22.830	19.493	
7.0	8.227	1	8.227	1	-99.999	0	83.036	18.288	10.061	

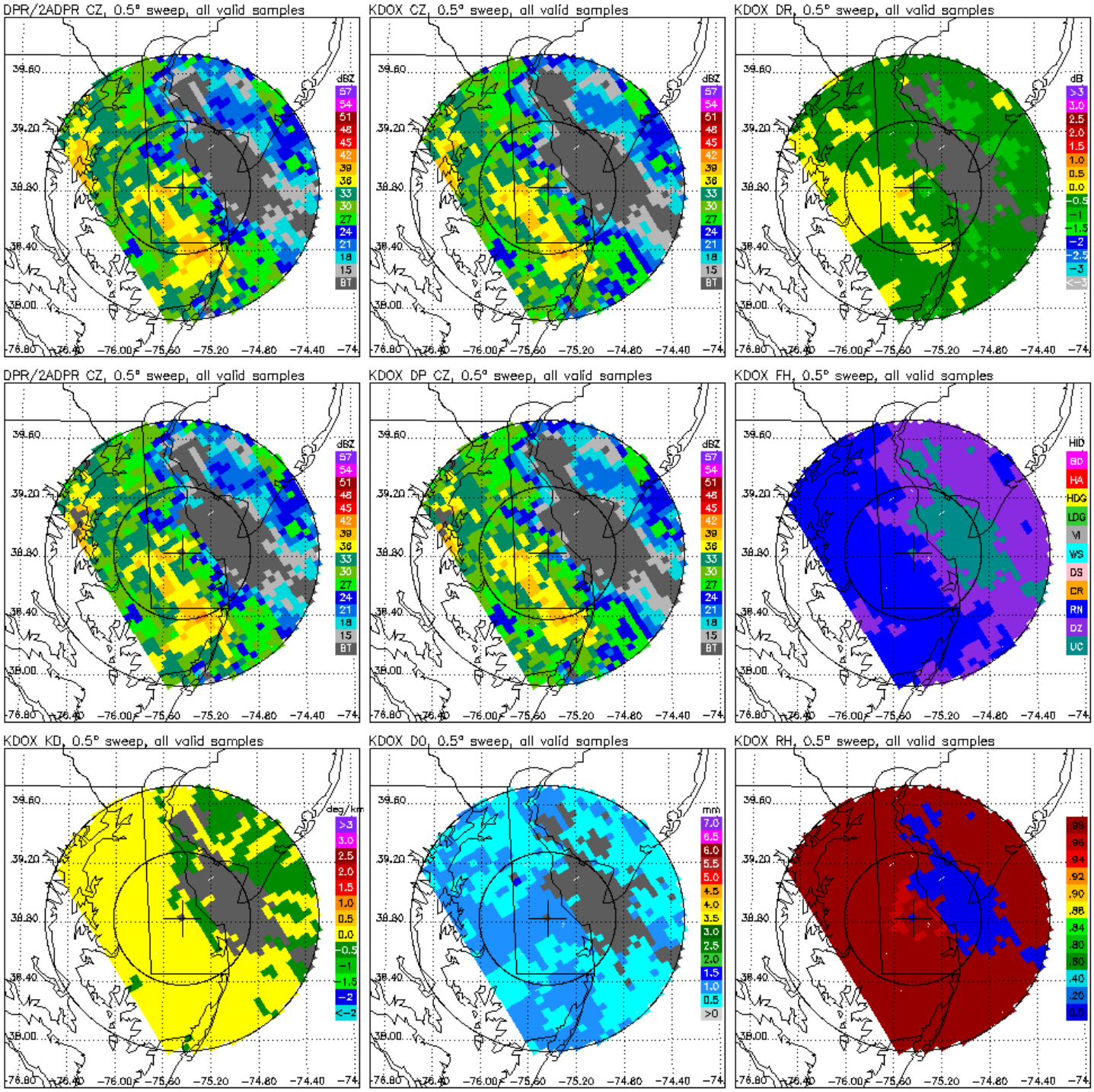
No above-threshold points at height 8.000

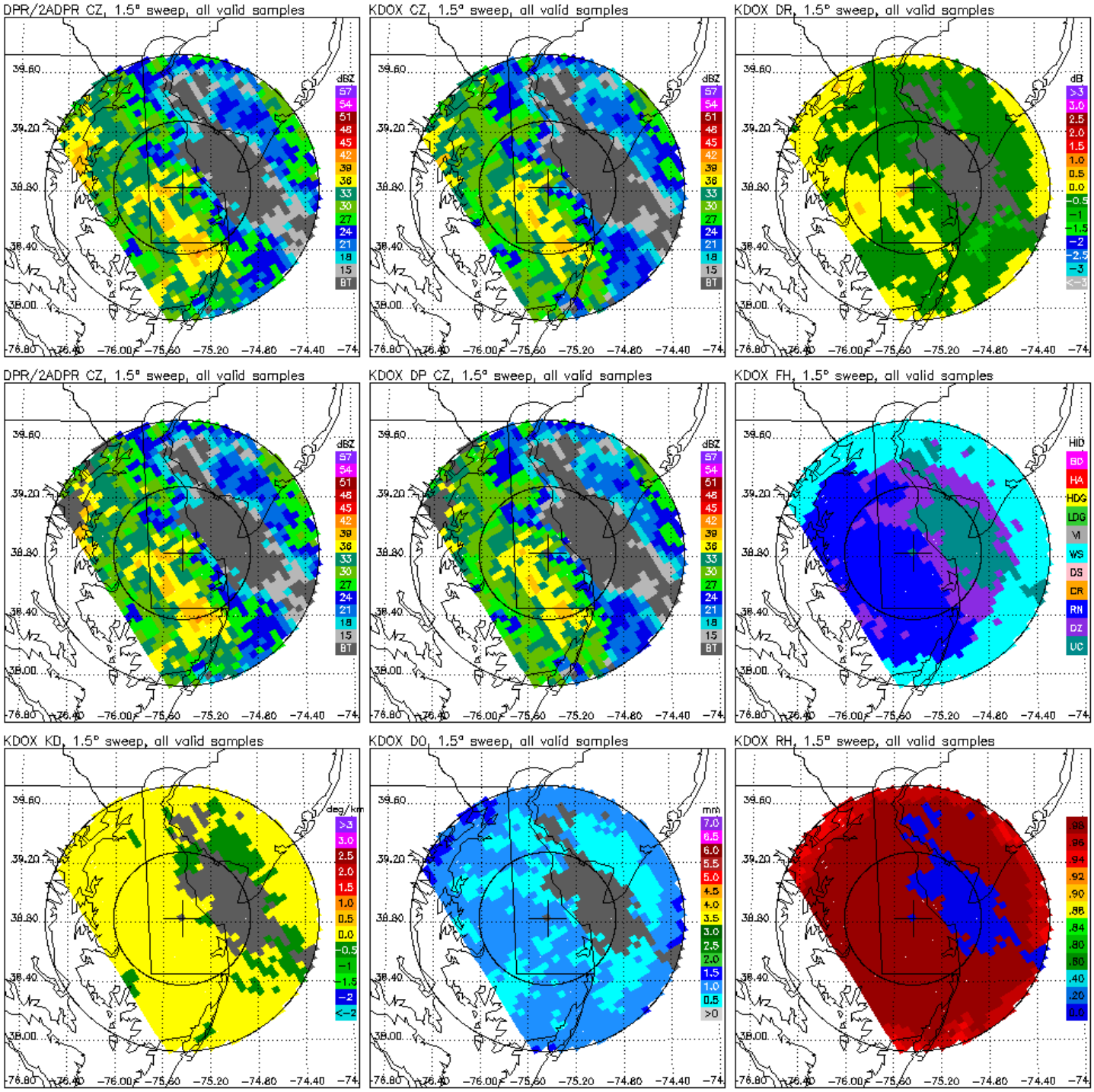
Mean Reflectivity Statistics grouped by proximity to Bright Band:

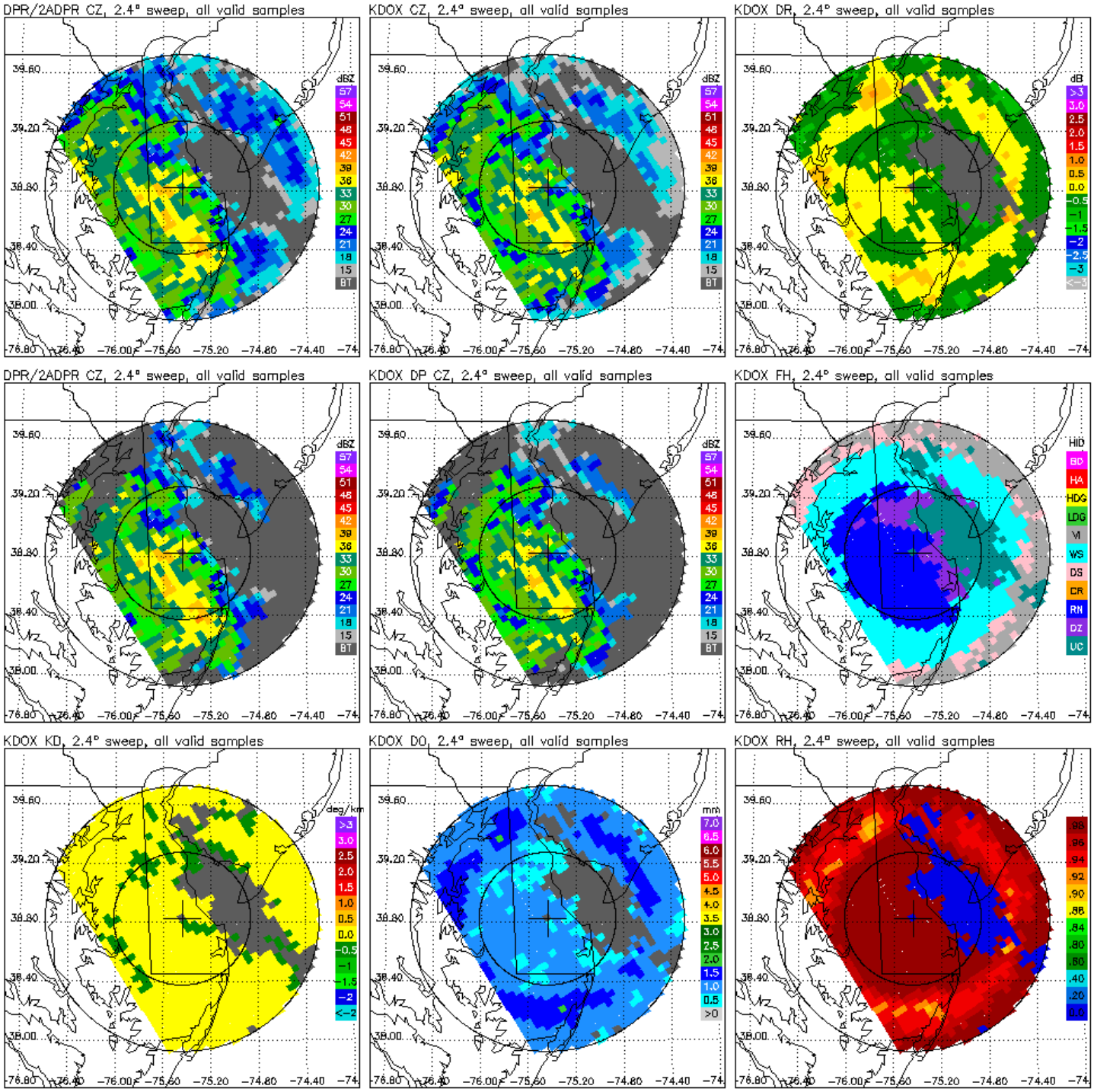
Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics			
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
Below	1.024	1896	1.044	1670	0.820	224	49.792	43.230	42.649	
Within	2.177	1750	2.182	1624	2.110	119	66.164	42.131	40.469	@ BB
Above	4.133	392	4.027	358	5.158	31	63.905	27.903	28.145	

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 D0, 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, 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
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