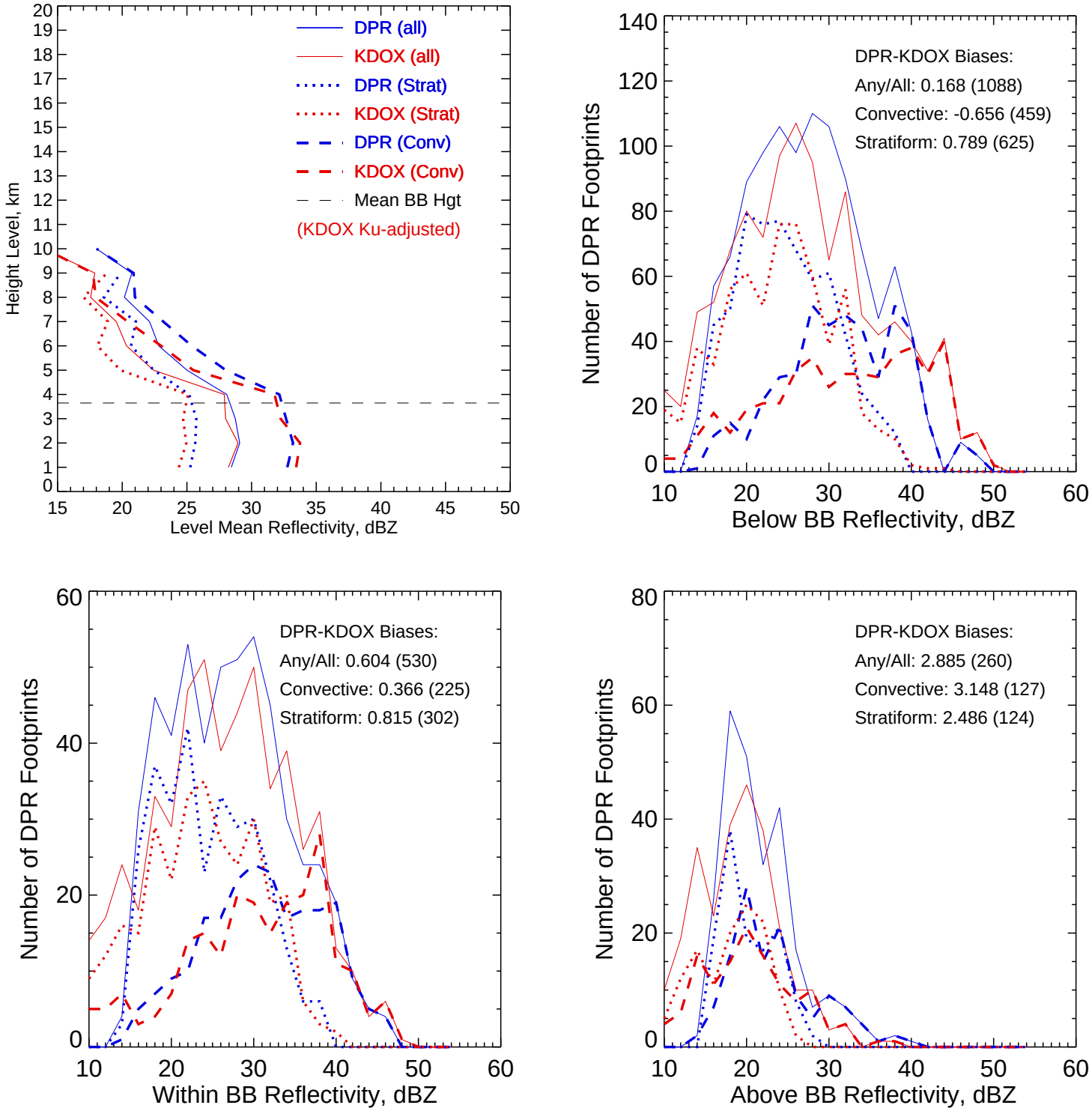


KDOX Ku-adjusted Zc vs. DPR 2ADPR/NS/V05A -- All non-missing pairs

Orbit: 7804 -- GR Start Time: 2015-07-14 06:28:19

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KDOX
Orbit: 7804 Version: V05A Swath Type: NS
DPR time = 2015-07-14 06:28:32 GR start time = 2015-07-14 06:28:19
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):

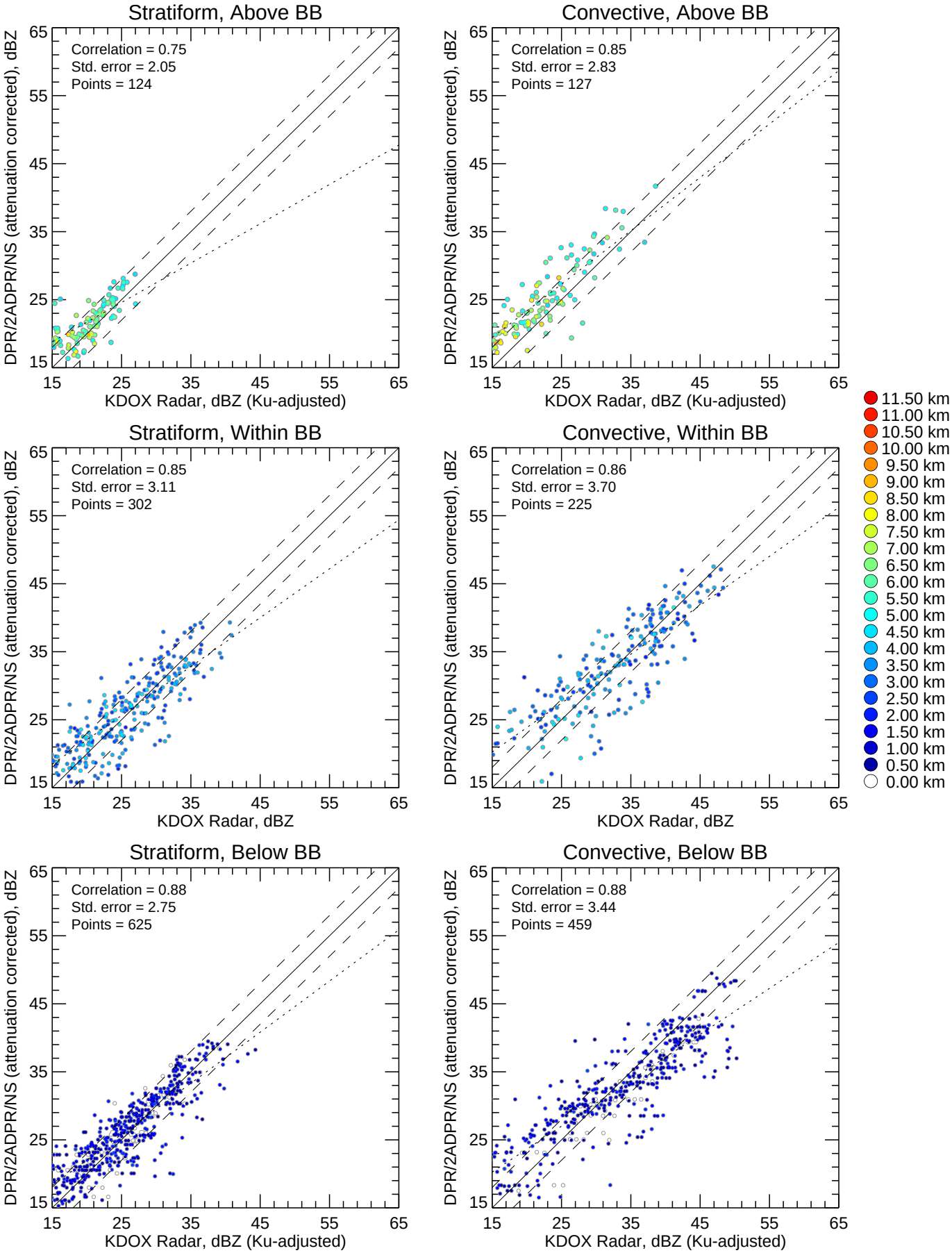
Vert.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
1.0	0.223	556	0.887	317	-0.690	235	44.413	49.480	50.252	
2.0	0.130	378	0.691	209	-0.542	169	50.464	47.888	49.684	
3.0	0.744	286	1.024	164	0.426	121	53.240	47.112	48.303	@ BB
4.0	0.199	195	0.087	114	0.370	79	52.916	47.522	47.038	@ BB
5.0	2.588	131	2.577	67	2.519	60	52.686	41.701	41.209	
6.0	2.501	82	2.599	44	2.378	35	50.954	38.162	33.722	
7.0	2.574	59	2.175	31	2.747	27	43.772	34.138	31.598	
8.0	2.614	27	1.568	9	3.031	17	50.802	27.070	24.878	
9.0	2.860	11	1.058	2	3.133	9	56.490	28.214	24.619	
10.0	4.041	2	-99.999	0	4.041	2	45.373	19.073	14.351	

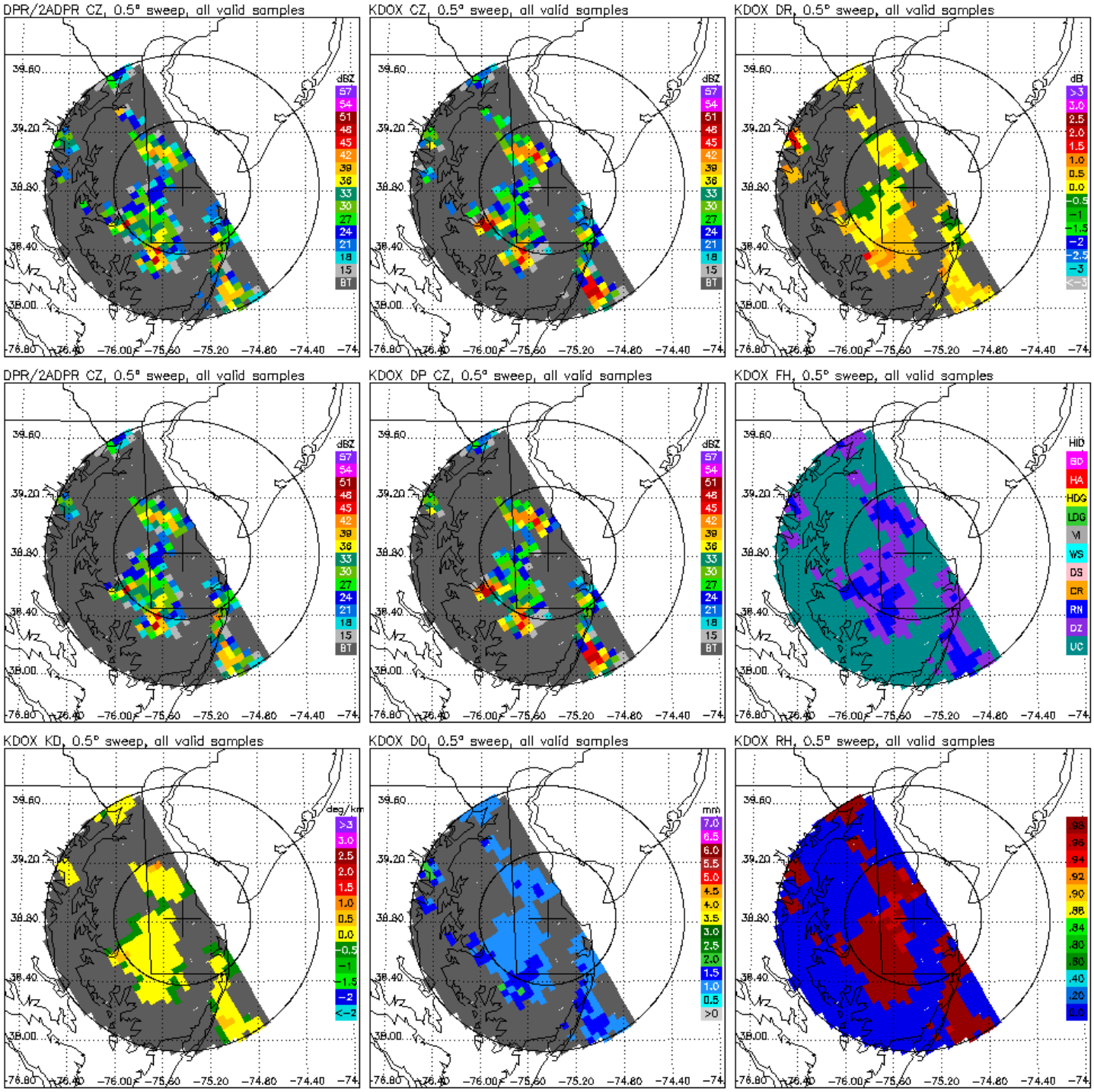
No above-threshold points at height 11.000
No above-threshold points at height 12.000

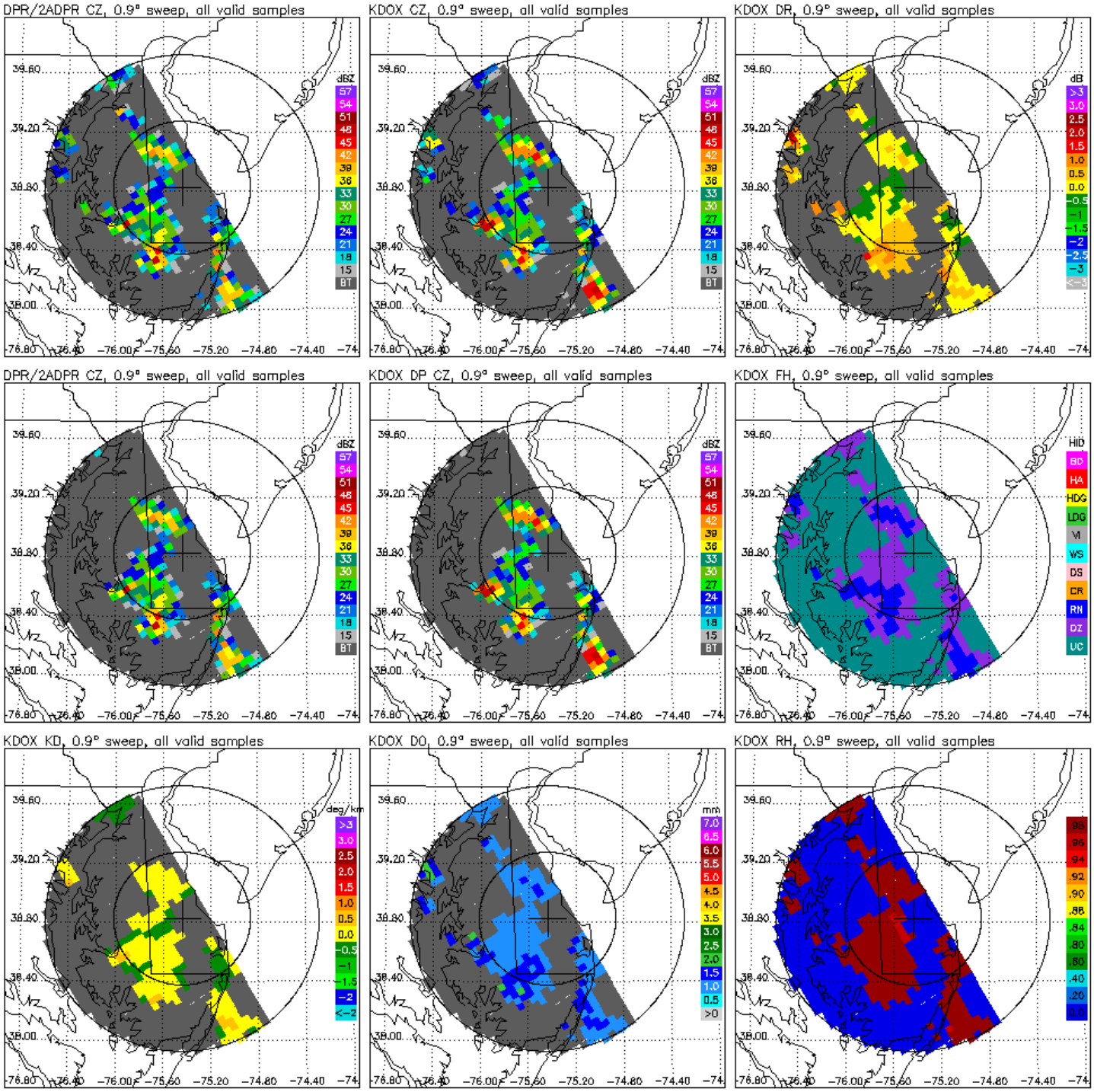
Mean Reflectivity Statistics grouped by proximity to Bright Band:

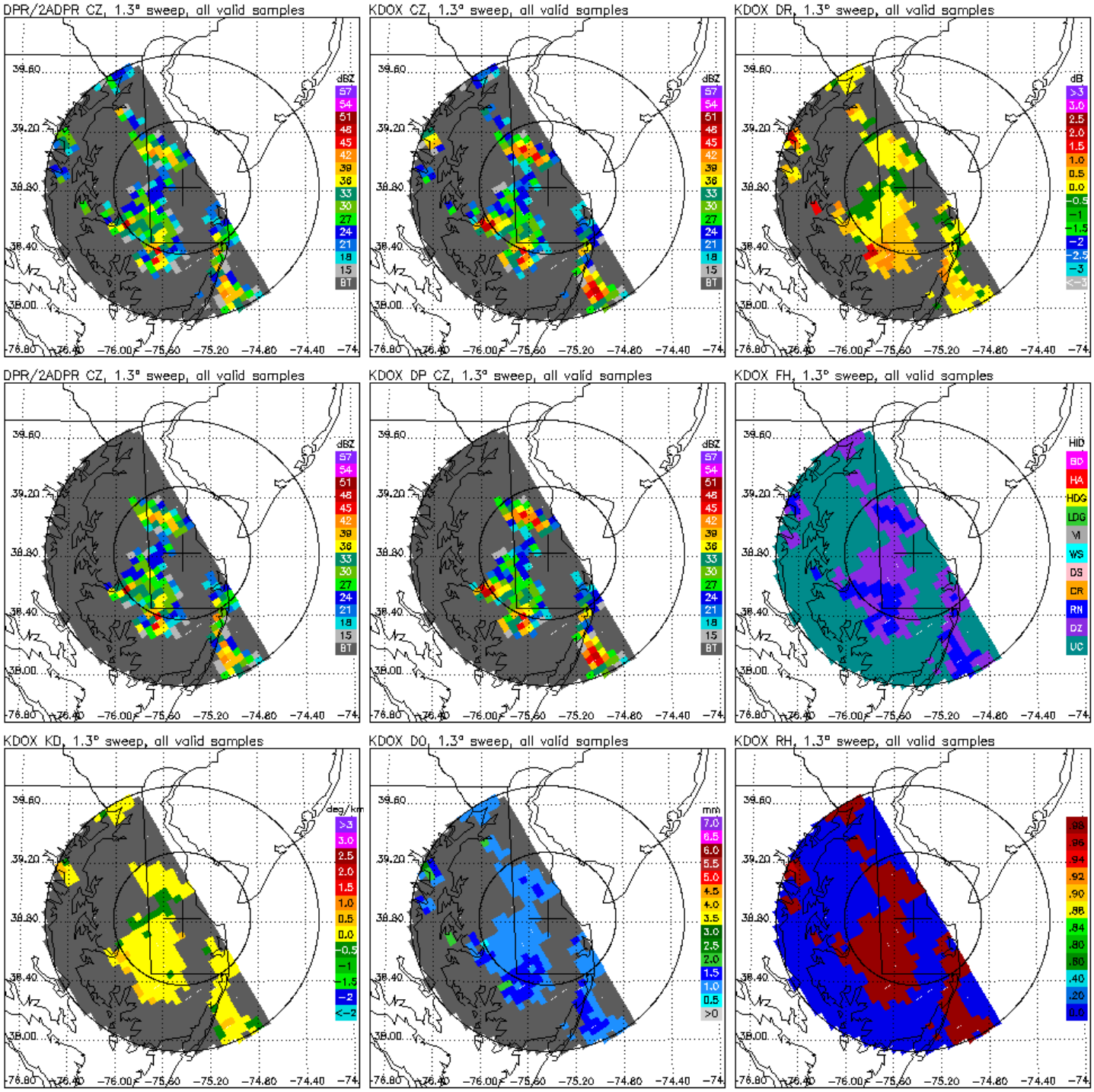
Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics			
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
Below	0.168	1088	0.789	625	-0.656	459	43.508	49.480	50.252	
Within	0.604	530	0.815	302	0.366	225	55.530	47.522	48.303	@ BB
Above	2.885	260	2.486	124	3.148	127	47.383	41.701	38.564	

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
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, 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