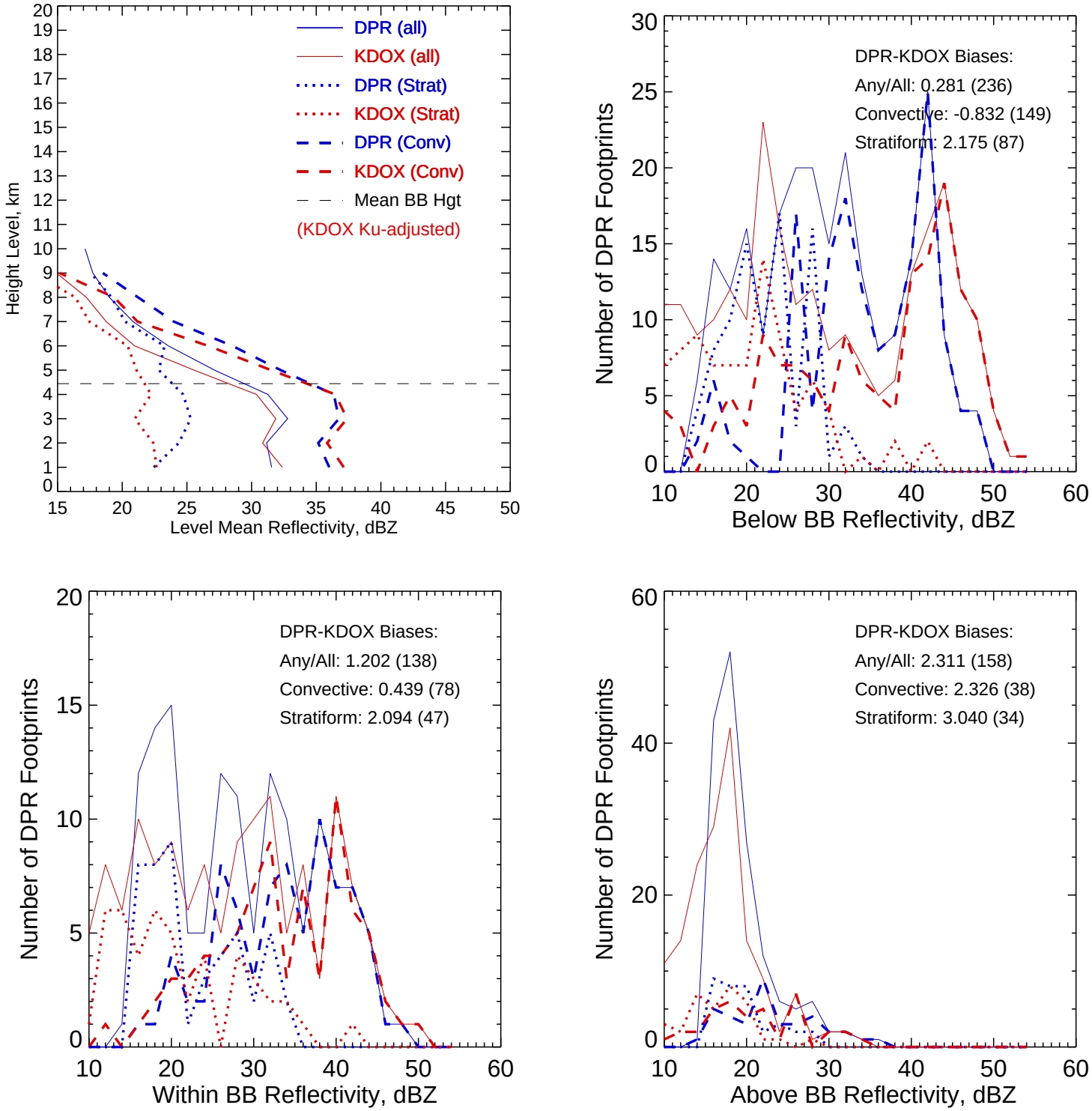


KDOX Ku-adjusted Zc vs. DPR 2ADPR/NS/V05A -- All non-missing pairs

Orbit: 7414 -- GR Start Time: 2015-06-19 04:27:02

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KDOX
Orbit: 7414 Version: V05A Swath Type: NS
DPR time = 2015-06-19 04:29:59 GR start time = 2015-06-19 04:27:02
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):

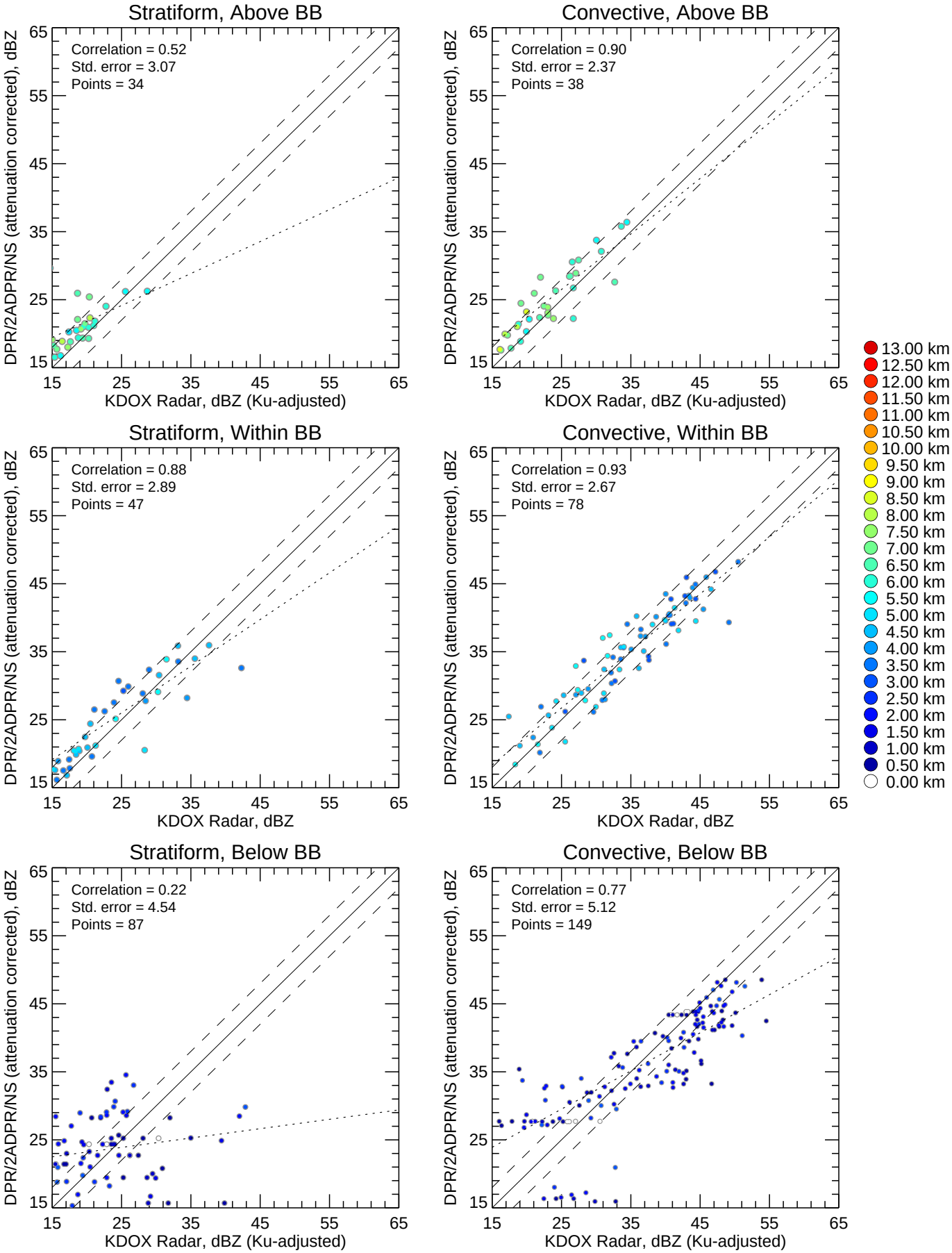
Vert.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
1.0	-0.825	93	-0.208	33	-1.127	60	54.491	48.530	54.536	
2.0	0.304	76	1.979	27	-0.681	49	55.958	48.162	49.614	
3.0	0.916	67	4.321	22	-0.624	44	59.628	48.144	51.449	
4.0	0.879	58	2.479	23	-0.129	32	59.373	48.224	50.489	@ BB
5.0	1.575	52	1.727	20	0.744	25	60.354	44.192	46.566	@ BB
6.0	2.615	58	2.845	18	1.869	19	59.359	37.443	34.428	
7.0	2.073	56	2.758	11	2.799	17	67.273	30.830	32.672	
8.0	1.775	35	2.797	7	1.847	6	70.626	23.881	23.839	
9.0	2.808	19	4.421	1	3.347	4	76.805	23.218	19.946	
10.0	4.778	3	-99.999	0	-99.999	0	83.425	17.739	13.455	

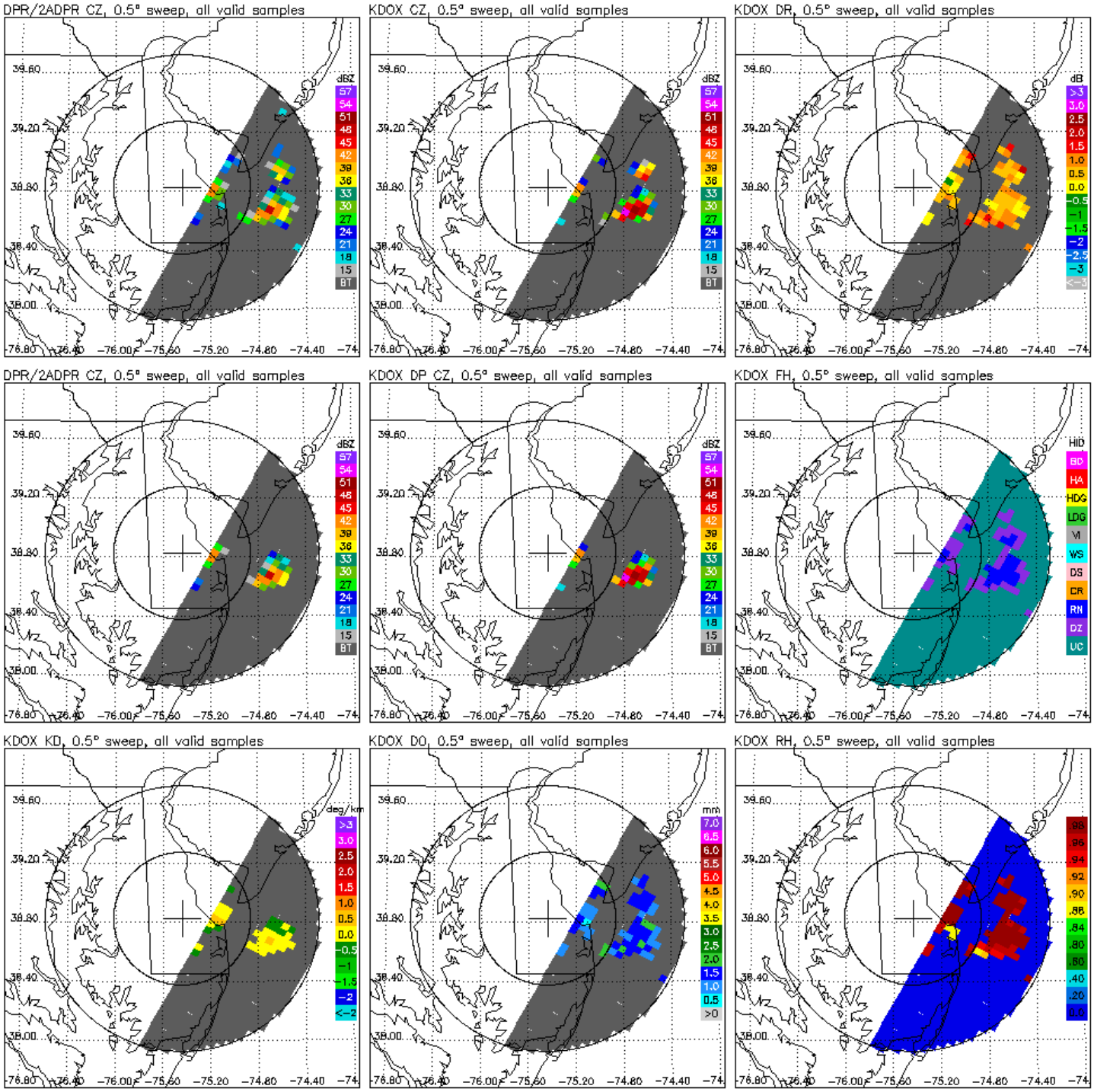
No above-threshold points at height 11.000
No above-threshold points at height 12.000
No above-threshold points at height 13.000

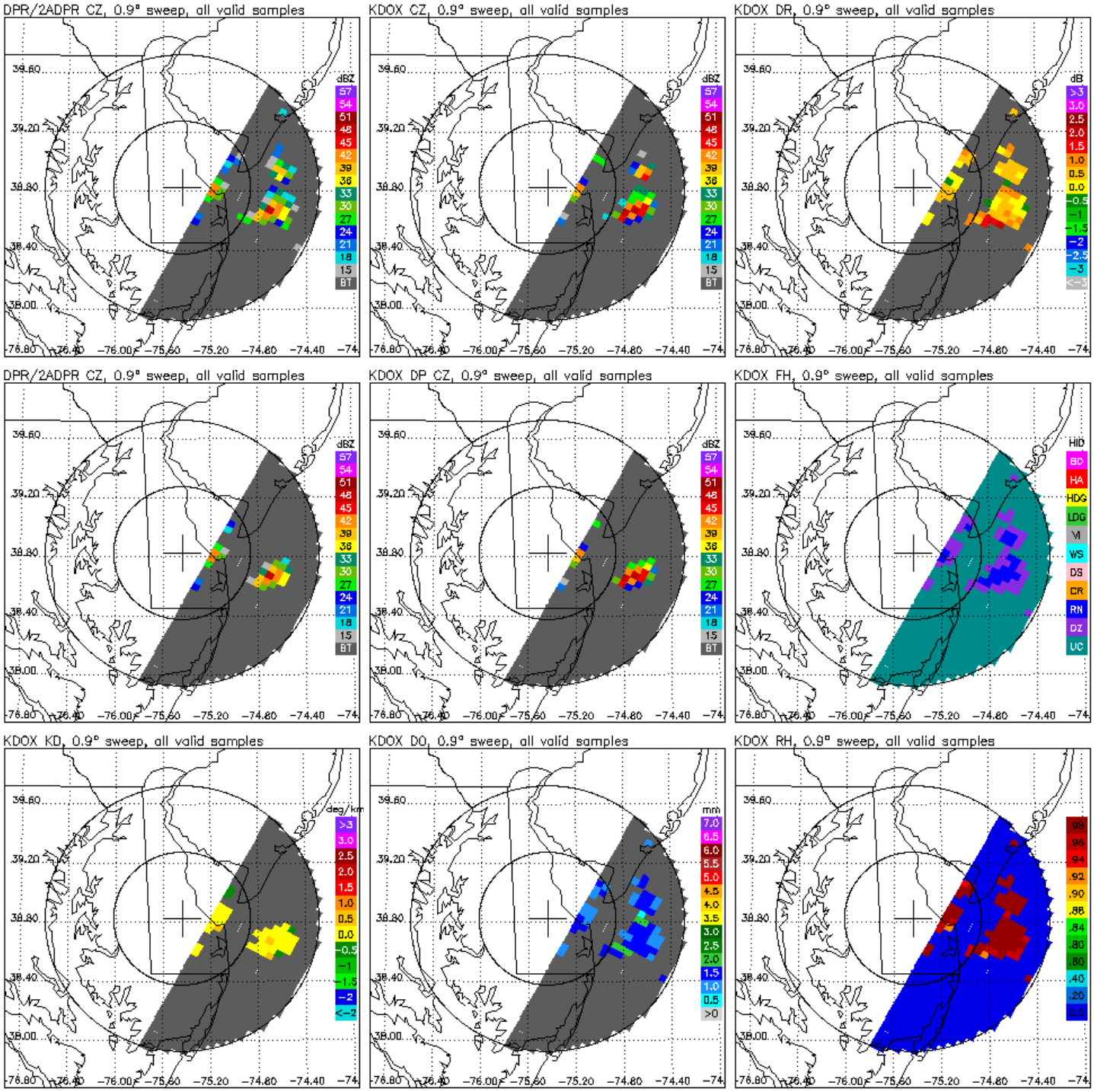
Mean Reflectivity Statistics grouped by proximity to Bright Band:

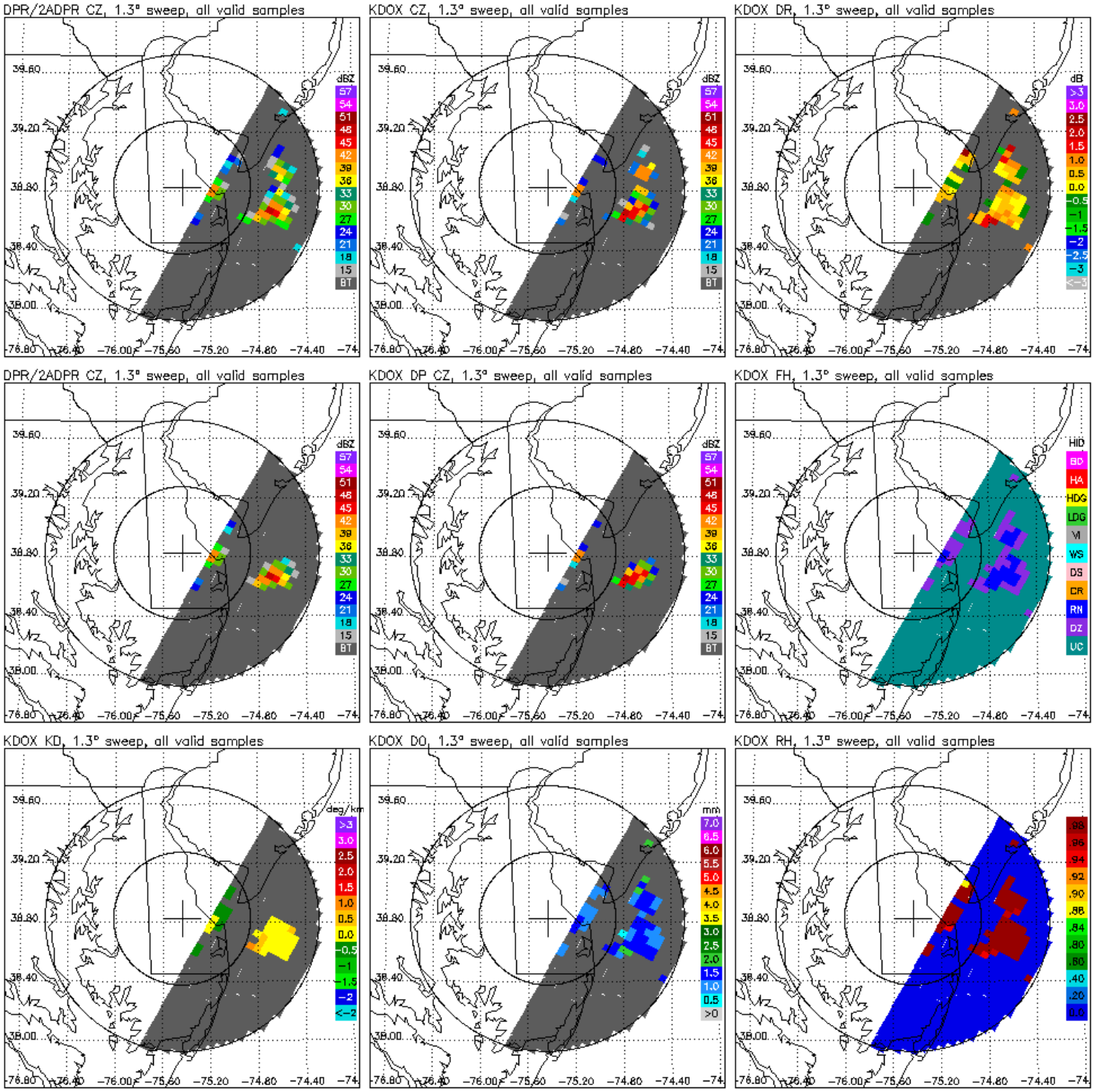
Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics			
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
Below	0.281	236	2.175	87	-0.832	149	53.819	48.530	54.536	
Within	1.202	138	2.094	47	0.439	78	61.989	48.224	50.489	@ BB
Above	2.311	158	3.040	34	2.326	38	66.027	36.398	34.428	

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
dB
HID
deg/km
mm
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