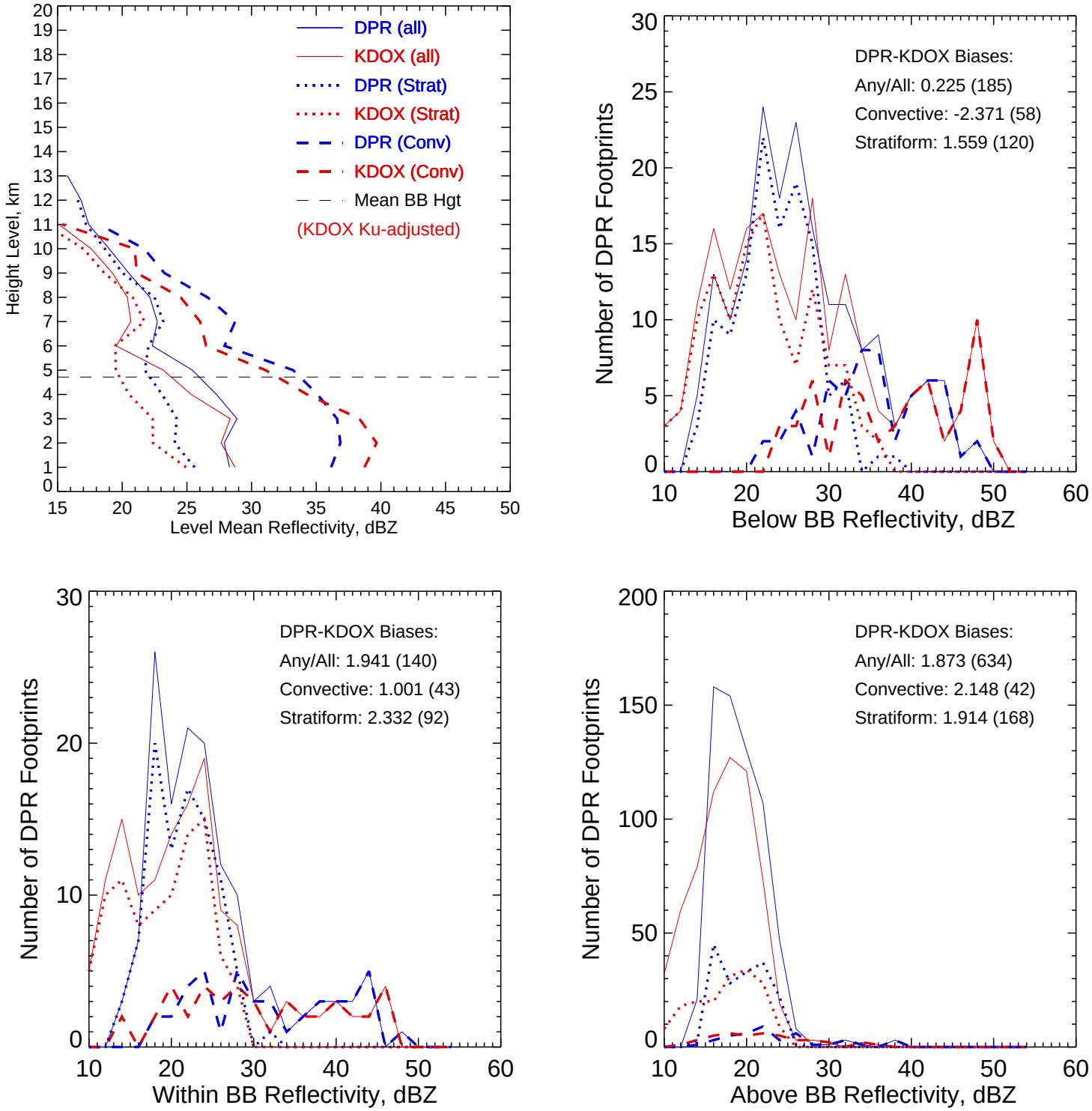


KDOX Ku-adjusted Zc vs. DPR 2ADPR/NS/V05A -- All non-missing pairs

Orbit: 7491 -- GR Start Time: 2015-06-24 03:15:39

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KDOX
Orbit: 7491 Version: V05A Swath Type: NS
DPR time = 2015-06-24 03:17:27 GR start time = 2015-06-24 03:15:39
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):

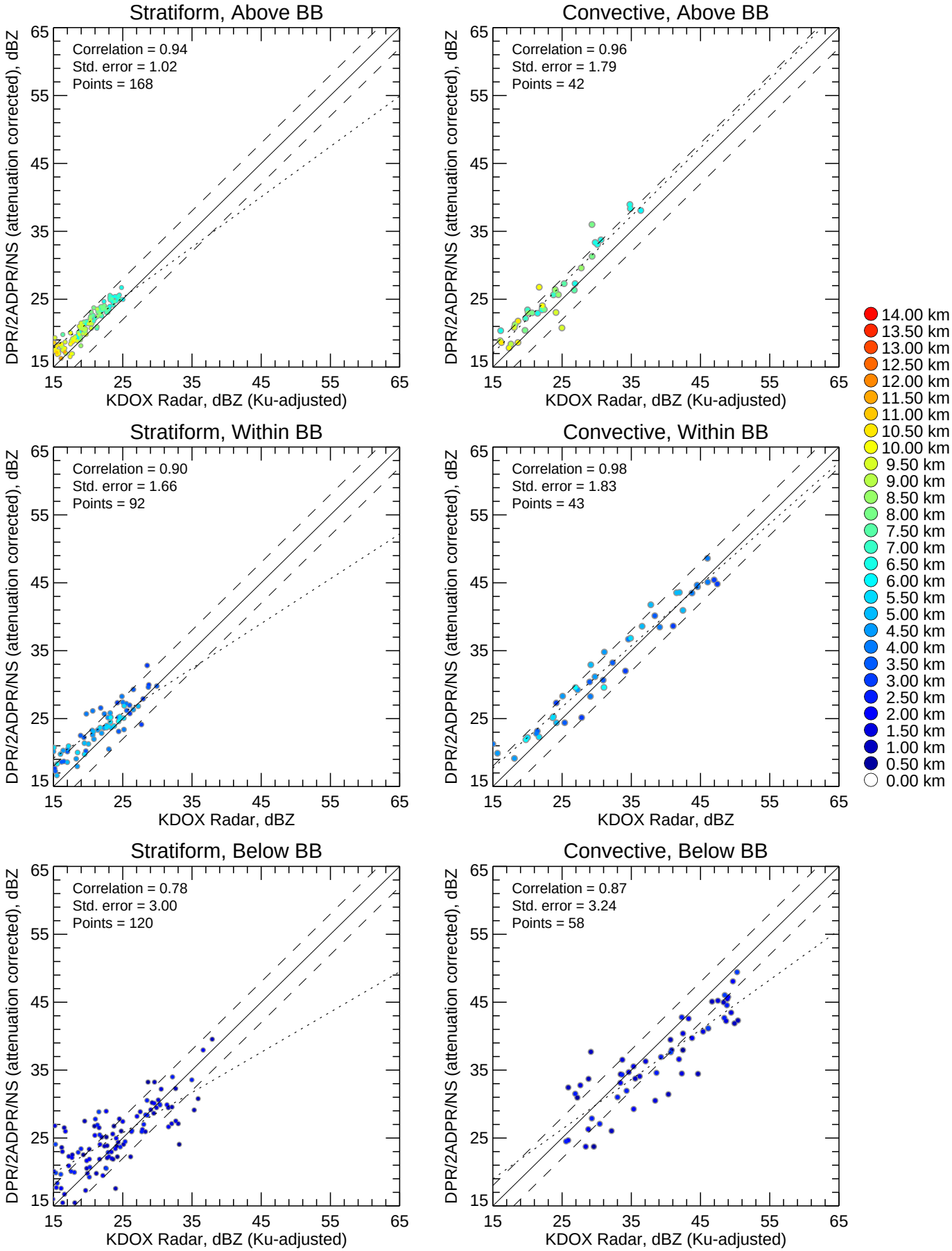
Vert.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
1.0	-0.438	63	0.668	40	-2.576	18	78.338	45.090	50.406	
2.0	0.247	74	1.667	48	-2.798	24	80.169	48.073	49.679	
3.0	0.519	62	1.867	40	-1.724	22	81.259	49.432	50.282	
4.0	1.947	49	2.560	33	0.806	16	80.378	48.606	46.036	@ BB
5.0	2.251	44	2.240	29	2.142	13	77.472	43.582	42.456	@ BB
6.0	2.798	70	2.568	32	1.418	9	66.733	38.062	36.372	
7.0	2.045	104	1.449	35	2.712	12	66.720	38.945	34.866	
8.0	1.739	126	1.685	32	2.078	9	57.949	35.994	29.333	
9.0	1.248	141	1.407	29	2.131	7	62.195	29.600	27.773	
10.0	1.395	123	1.654	33	0.739	7	59.226	26.766	24.979	
11.0	2.309	80	3.201	19	2.853	6	70.405	21.778	19.152	
12.0	3.493	20	3.353	10	-99.999	0	82.619	18.530	16.632	
13.0	4.892	3	-99.999	0	-99.999	0	86.328	16.121	11.591	

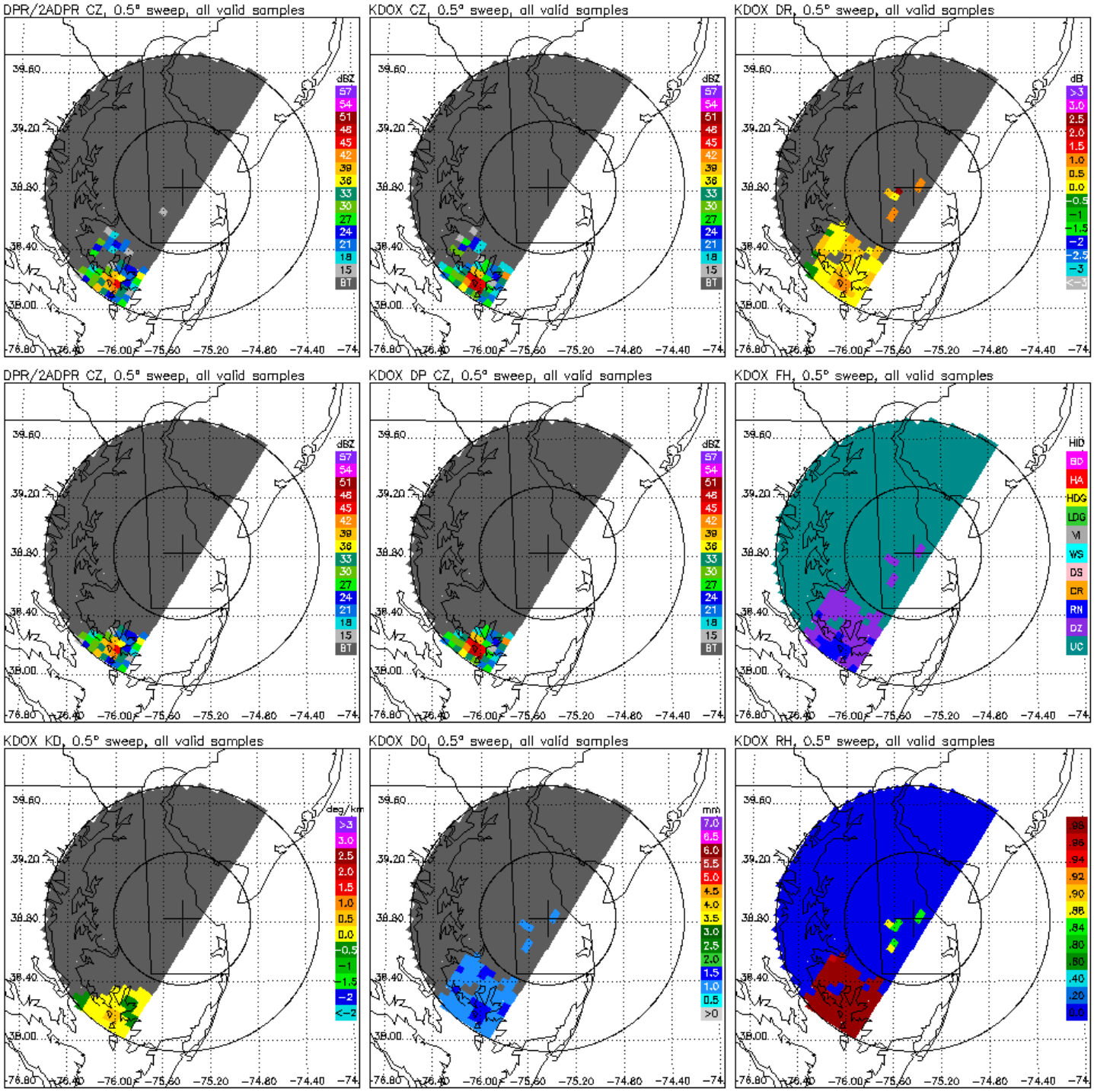
No above-threshold points at height 14.000

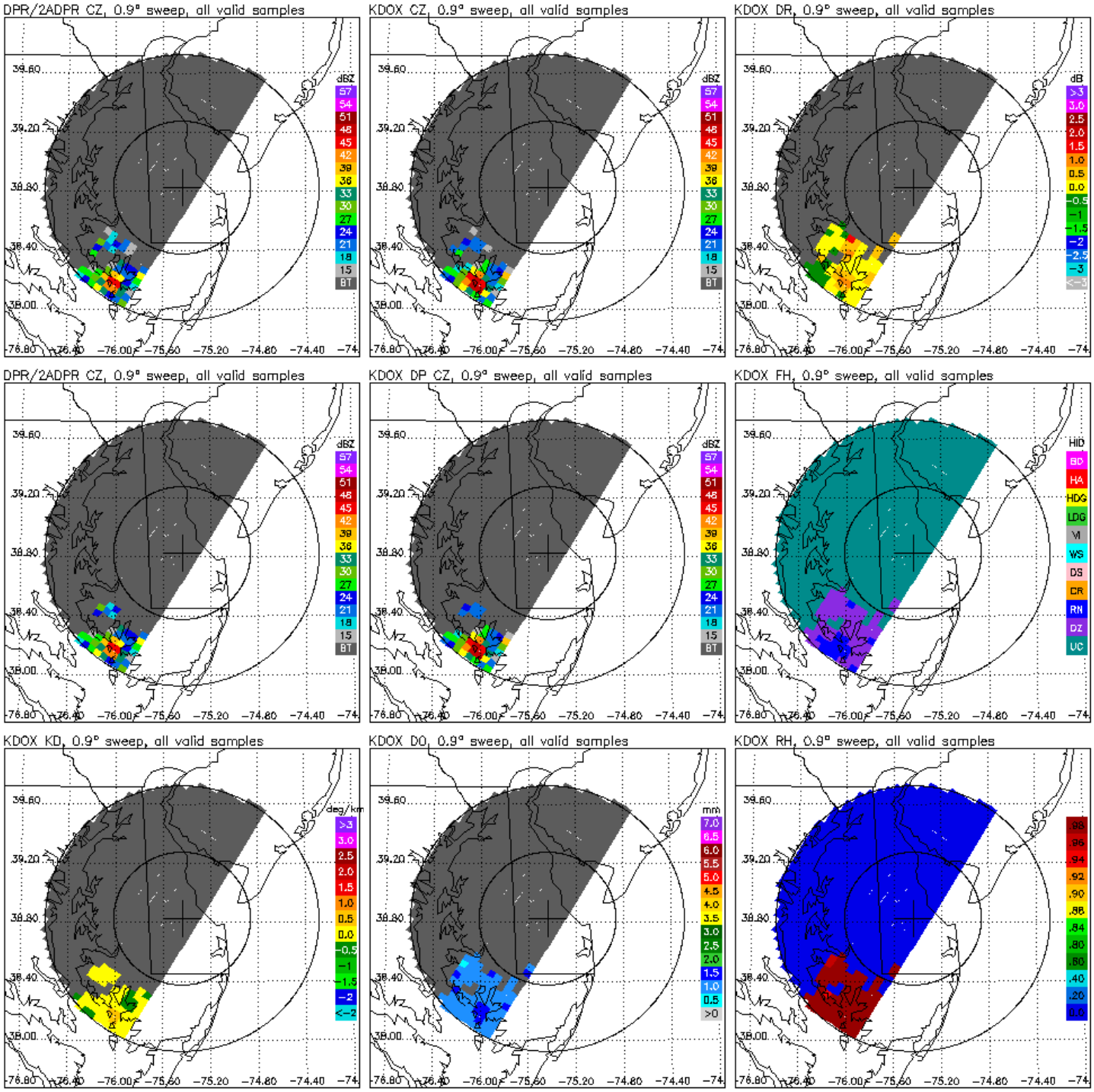
Mean Reflectivity Statistics grouped by proximity to Bright Band:

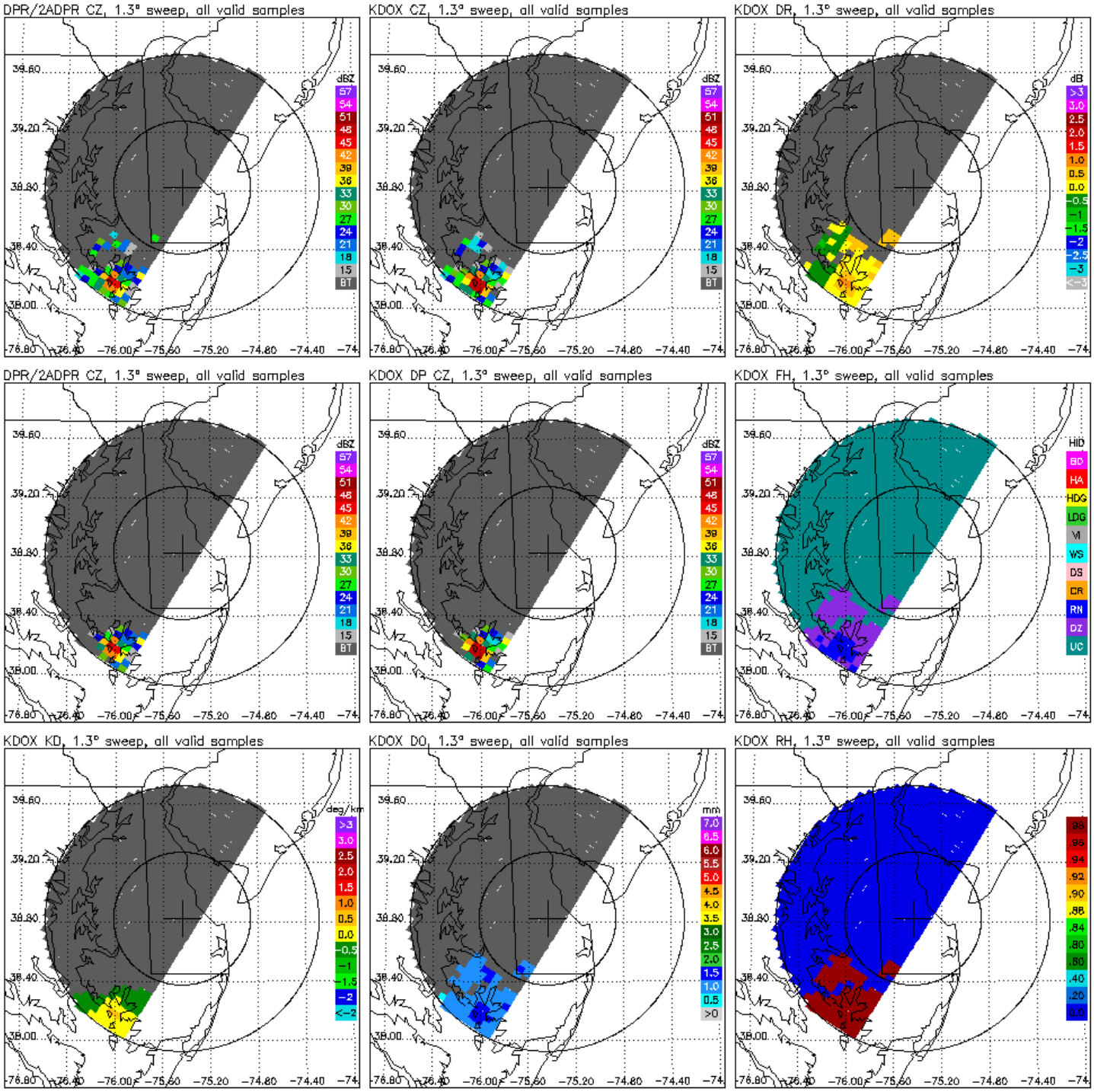
Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics			
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
Below	0.225	185	1.559	120	-2.371	58	79.581	49.432	50.406	
Within	1.941	140	2.332	92	1.001	43	80.247	48.606	47.424	@ BB
Above	1.873	634	1.914	168	2.148	42	62.785	38.945	36.372	

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
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