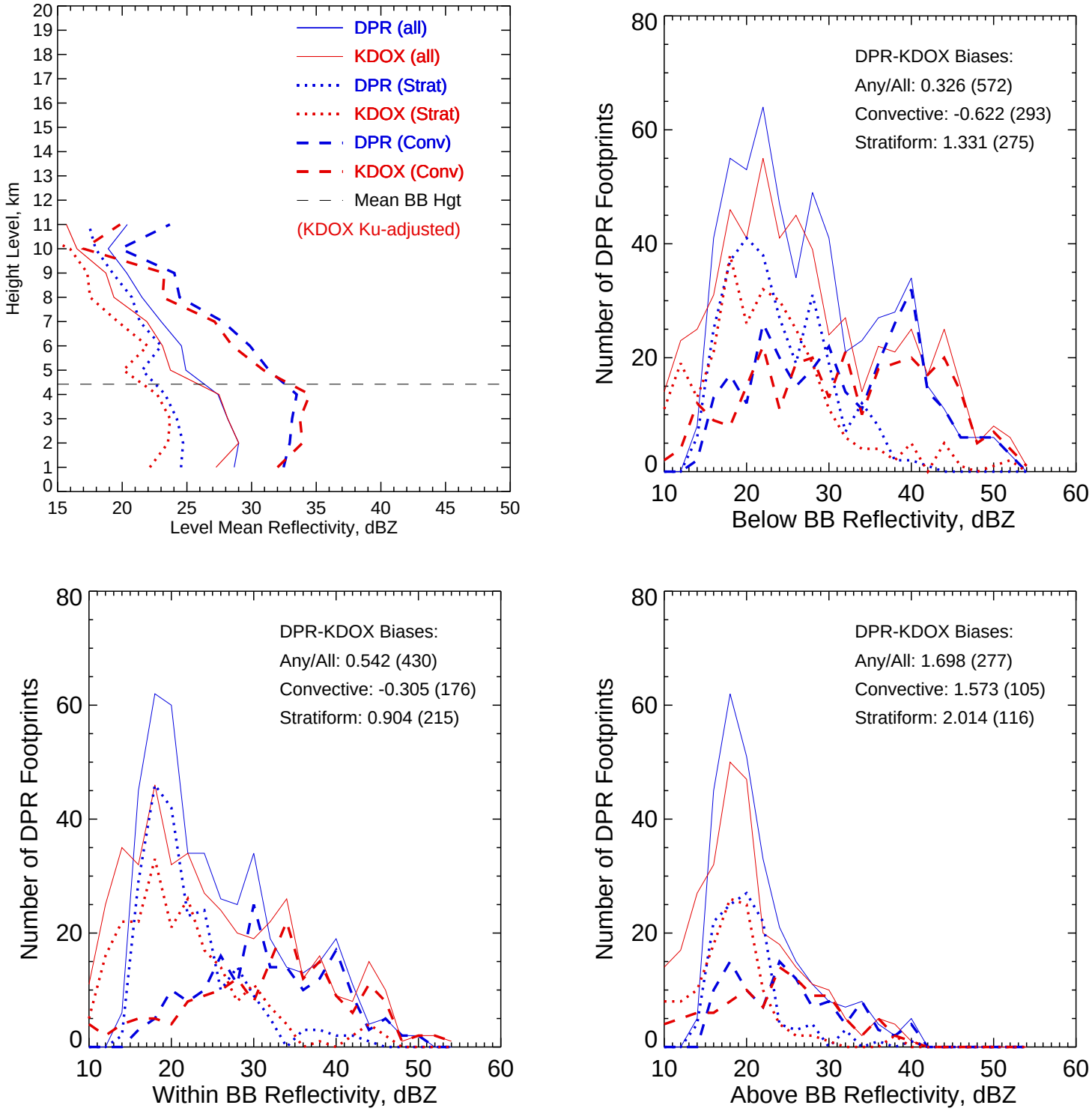


KDOX Ku-adjusted Zc vs. DPR 2ADPR/NS/V05A -- All non-missing pairs

Orbit: 8142 -- GR Start Time: 2015-08-04 23:57:27

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KDOX
Orbit: 8142 Version: V05A Swath Type: NS
DPR time = 2015-08-04 23:58:21 GR start time = 2015-08-04 23:57:27
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):

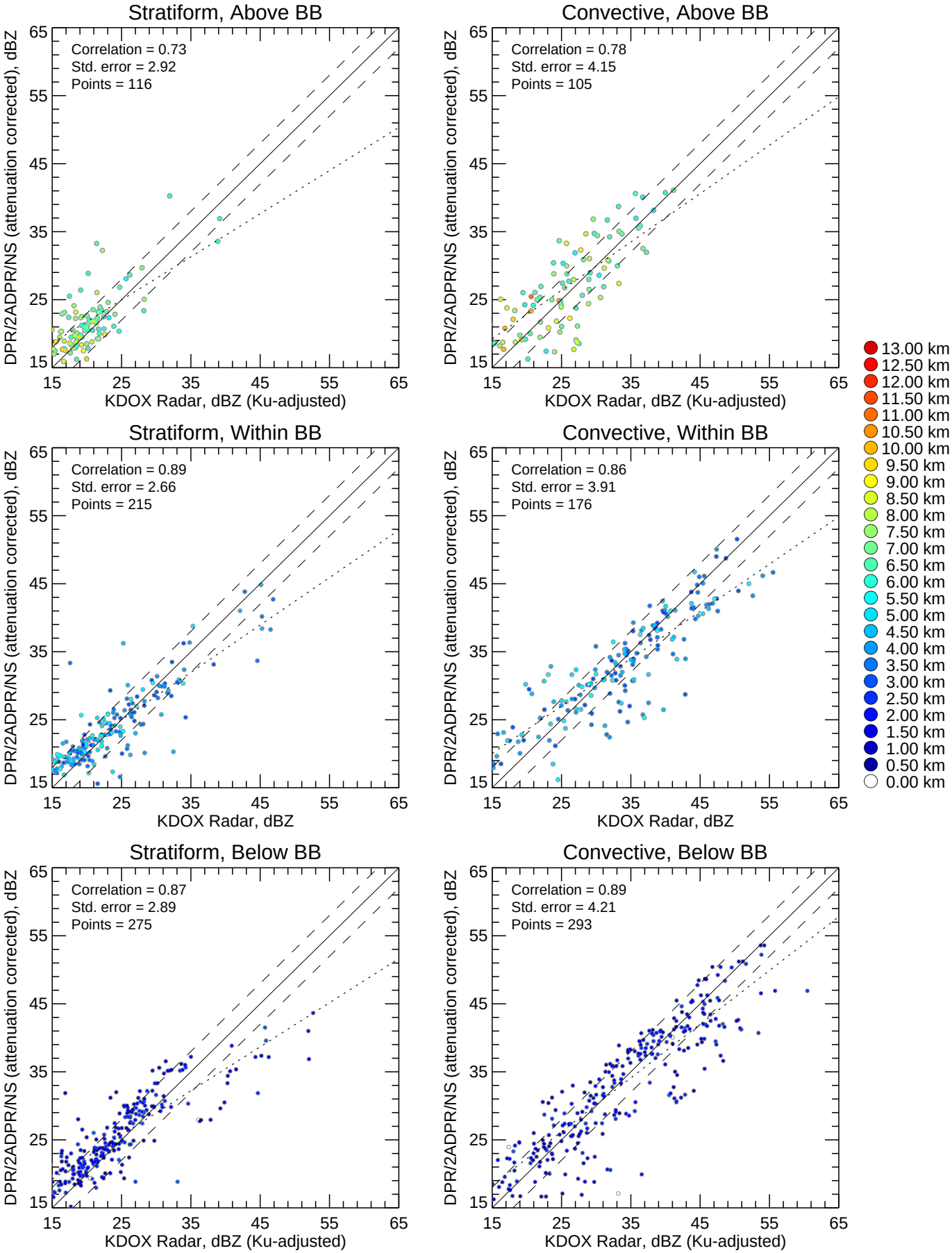
Vert.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
1.0	1.404	211	2.412	100	0.468	111	70.738	53.590	54.246	
2.0	0.002	225	1.165	105	-0.984	119	72.468	53.590	55.809	
3.0	-0.010	218	0.520	113	-0.611	100	76.162	52.217	60.463	
4.0	-0.079	157	0.617	81	-1.012	68	73.824	50.062	55.514	@ BB
5.0	1.189	134	1.464	67	0.415	52	74.629	46.737	46.216	@ BB
6.0	1.461	112	1.055	49	1.358	42	77.344	44.994	52.028	
7.0	1.108	97	1.704	40	0.643	34	80.121	41.099	41.148	
8.0	2.171	56	3.222	25	1.312	19	76.631	36.841	30.629	
9.0	1.611	43	1.953	14	0.778	15	87.655	33.276	33.281	
10.0	2.421	14	1.982	7	2.845	7	80.148	23.345	20.623	
11.0	4.712	6	5.492	3	3.849	3	87.438	25.458	24.651	

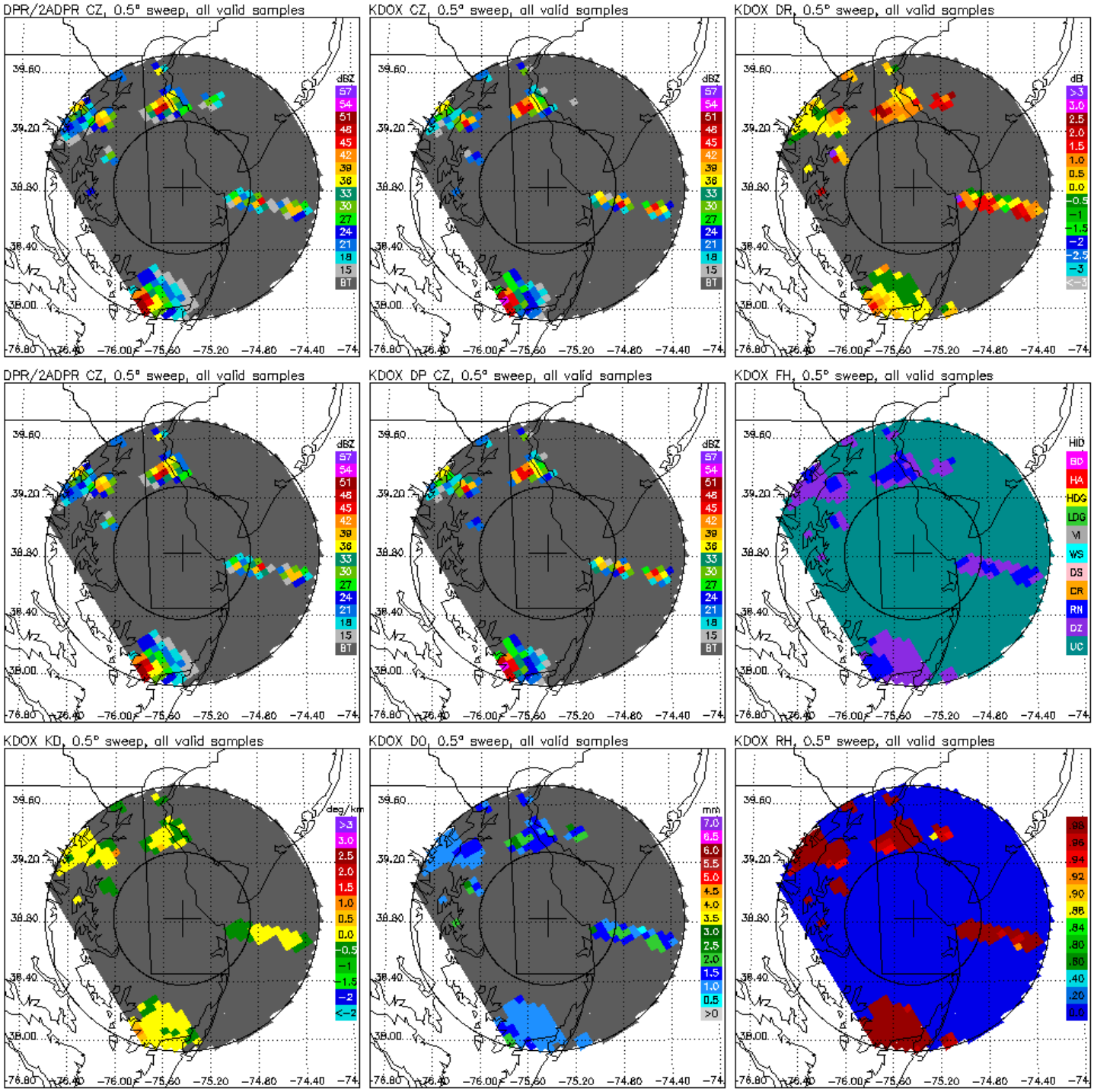
No above-threshold points at height 12.000
No above-threshold points at height 13.000

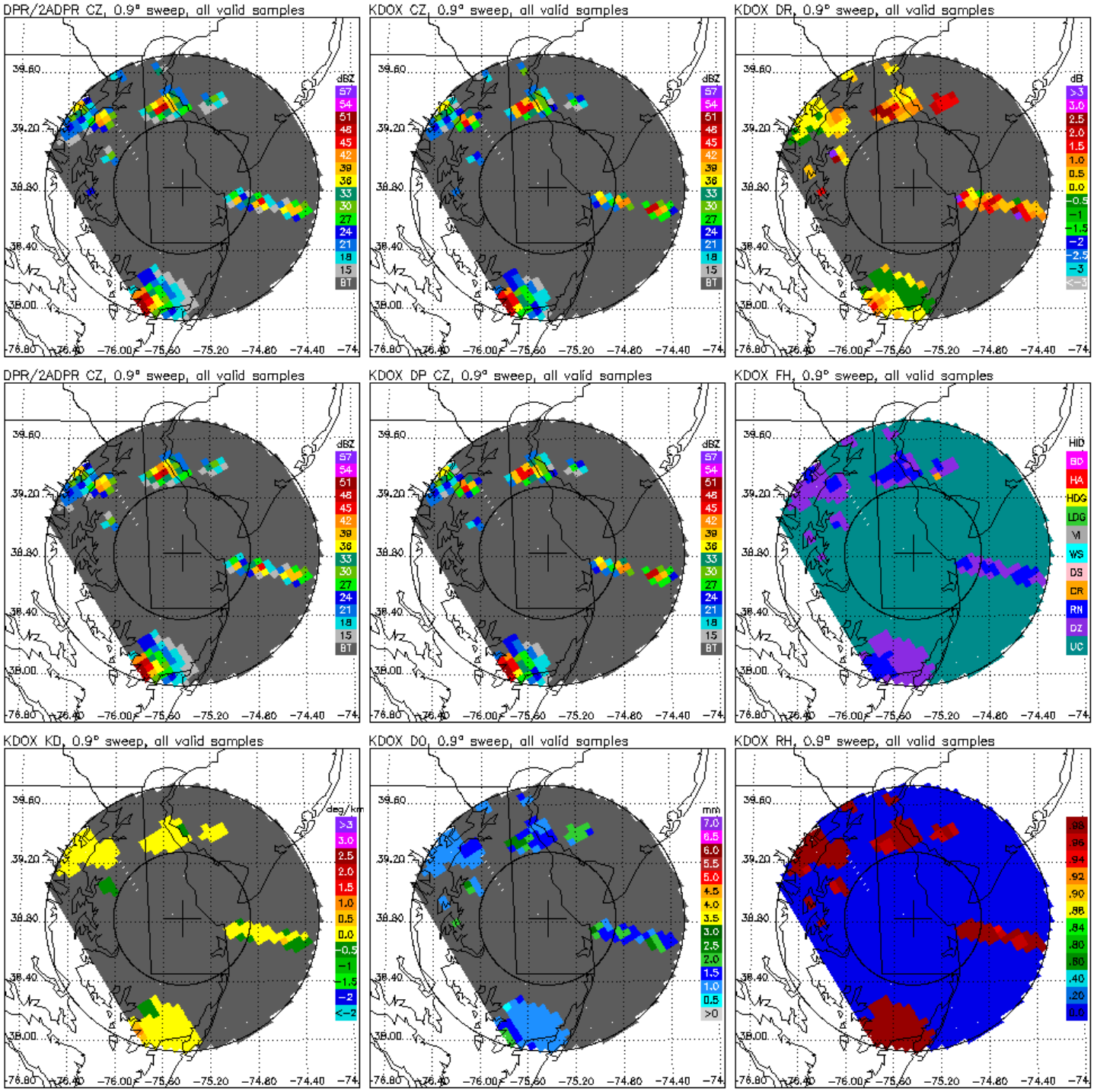
Mean Reflectivity Statistics grouped by proximity to Bright Band:

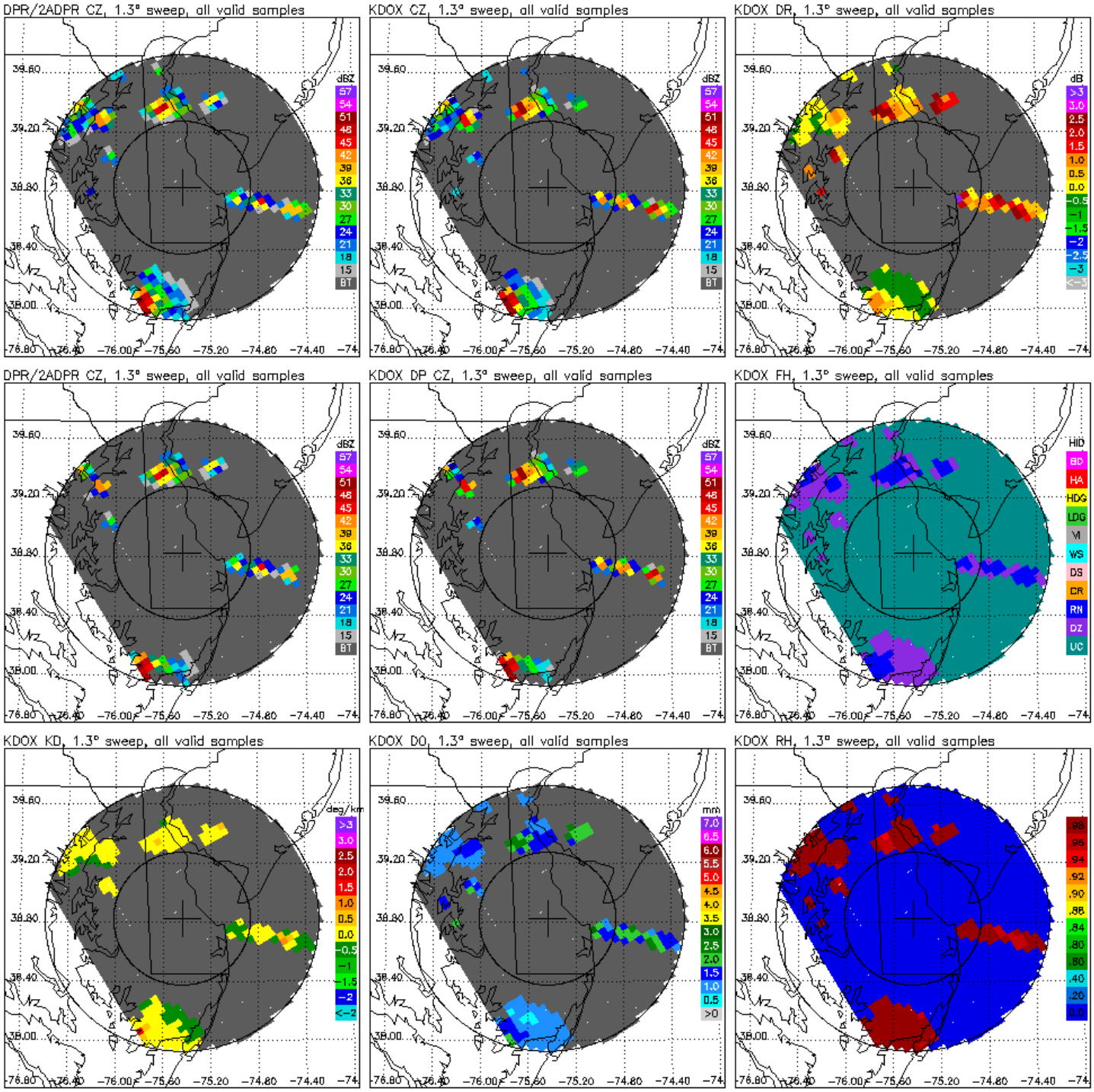
Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics			
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
Below	0.326	572	1.331	275	-0.622	293	72.021	53.590	60.463	
Within	0.542	430	0.904	215	-0.305	176	76.345	51.558	55.514	@ BB
Above	1.698	277	2.014	116	1.573	105	78.645	41.099	41.148	

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
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