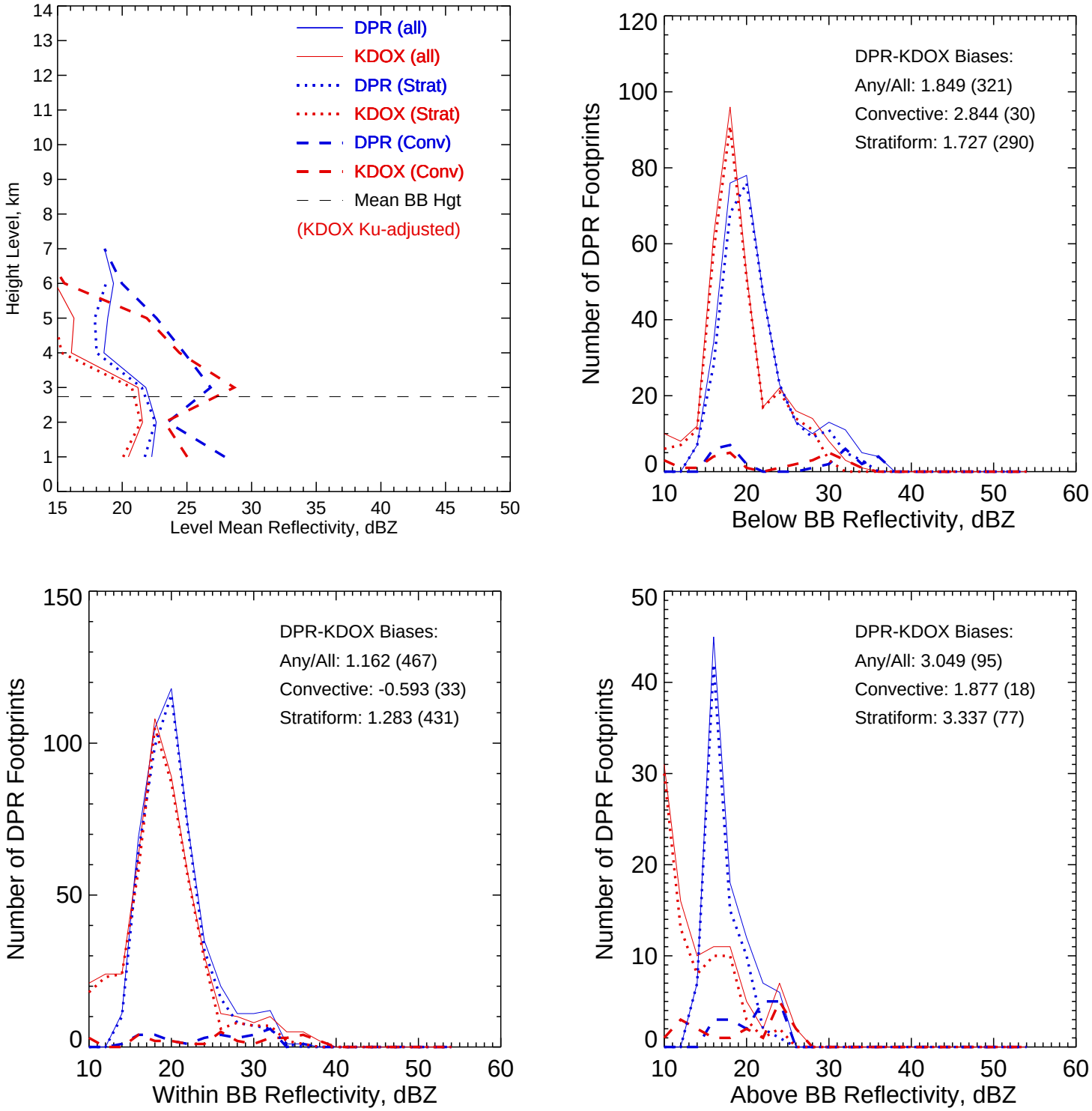


KDOX Ku-adjusted Zc vs. DPR 2ADPR/NS/V05A -- All non-missing pairs

Orbit: 4970 -- GR Start Time: 2015-01-13 02:26:15

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KDOX
Orbit: 4970 Version: V05A Swath Type: NS
DPR time = 2015-01-13 02:28:57 GR start time = 2015-01-13 02:26:15
Required percent of above-threshold DPR and GR bins in matched volumes >= 0%
GR reflectivity has S-to-Ku frequency adjustments applied.

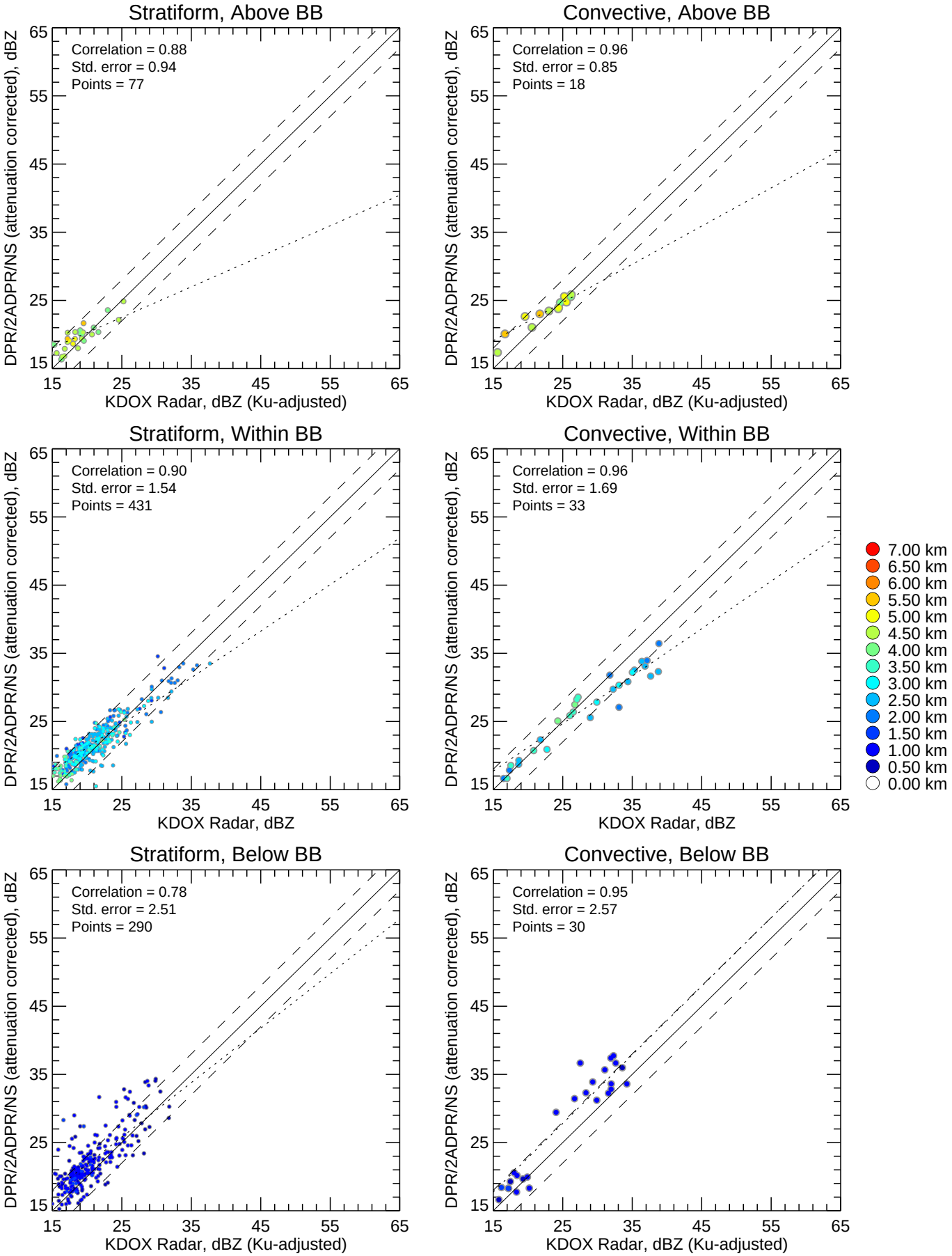
Mean Reflectivity Statistics grouped by fixed height levels (km):

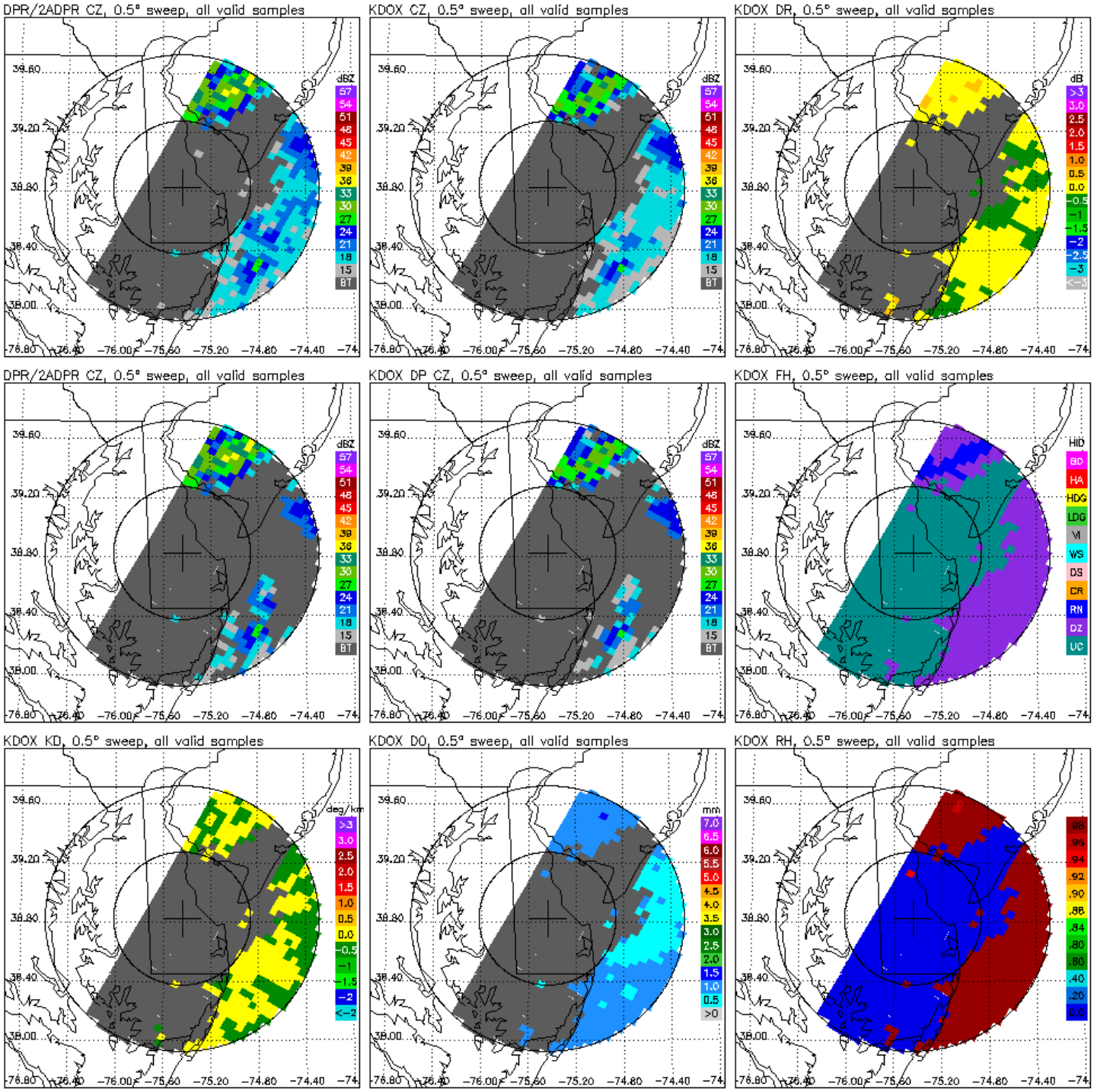
Vert.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
1.0	1.803	301	1.671	272	2.904	28	80.568	37.730	34.226	
2.0	1.055	138	1.122	128	0.236	10	67.201	36.441	38.843	@ BB
3.0	0.605	249	0.765	232	-1.827	16	82.102	33.819	38.761	@ BB
4.0	2.521	135	2.700	122	0.374	11	77.882	28.562	27.210	
5.0	2.609	48	3.100	38	0.754	10	85.424	25.842	26.236	
6.0	4.487	11	4.535	6	4.433	5	84.418	23.027	21.706	
7.0	4.806	1	-99.999	0	4.806	1	82.878	18.633	13.827	

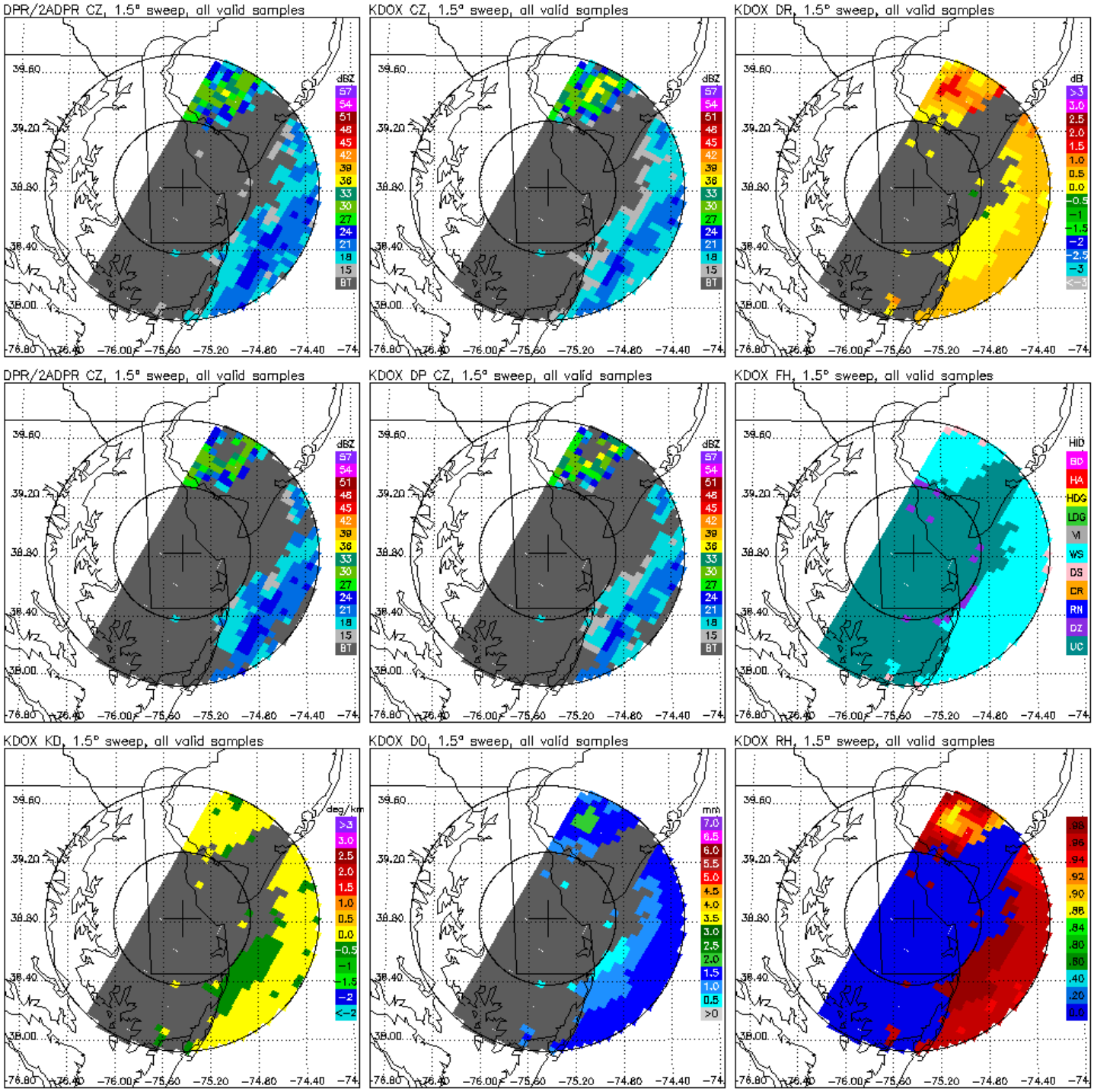
Mean Reflectivity Statistics grouped by proximity to Bright Band:

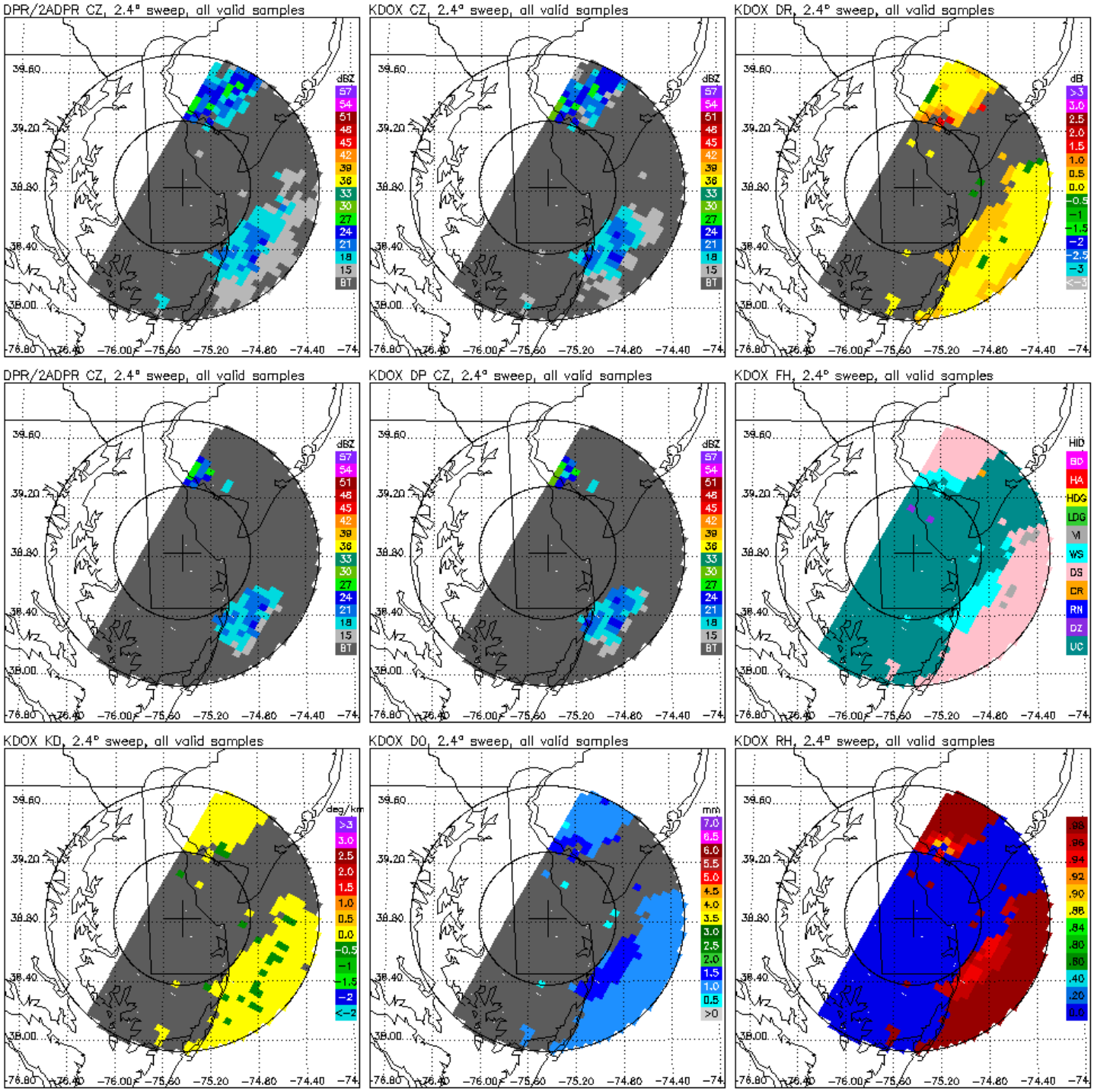
Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics			
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
Below	1.849	321	1.727	290	2.844	30	79.011	37.730	34.226	
Within	1.162	467	1.283	431	-0.593	33	77.727	36.441	38.843	@ BB
Above	3.049	95	3.337	77	1.877	18	83.504	25.842	26.236	

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, 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 D0, 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