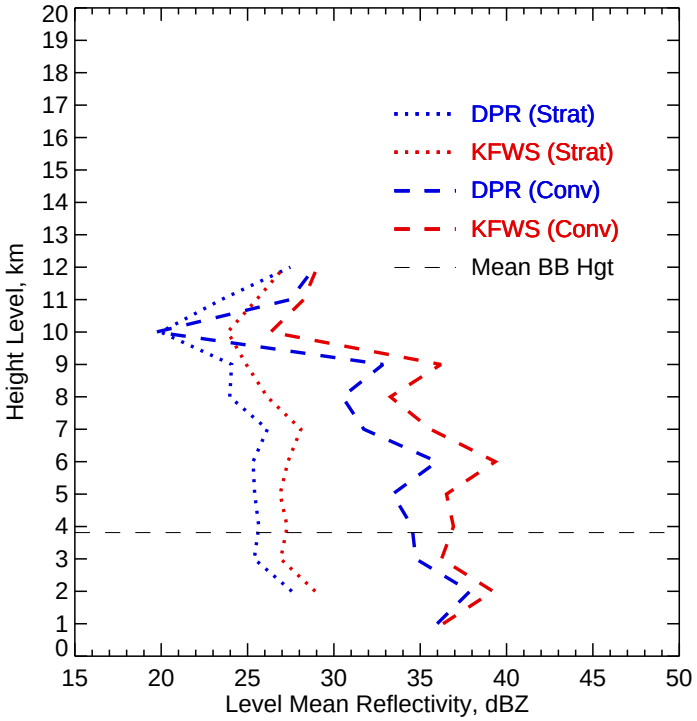
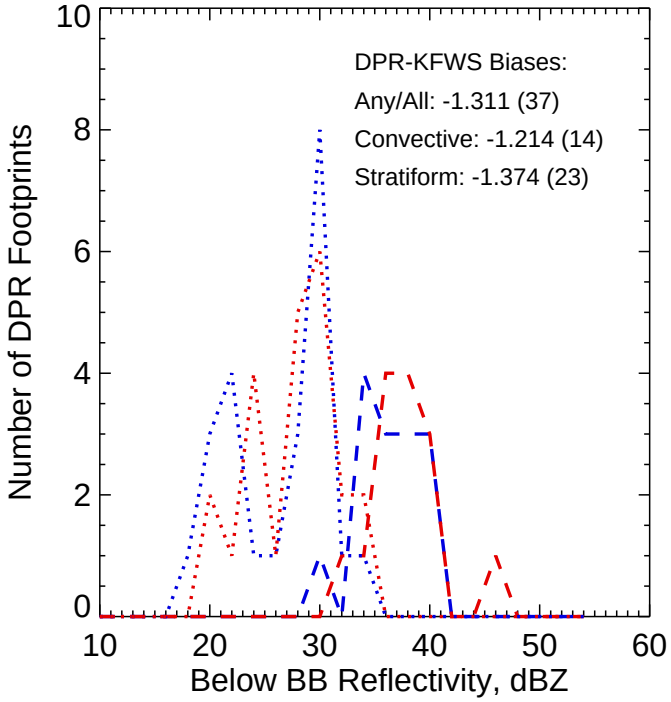
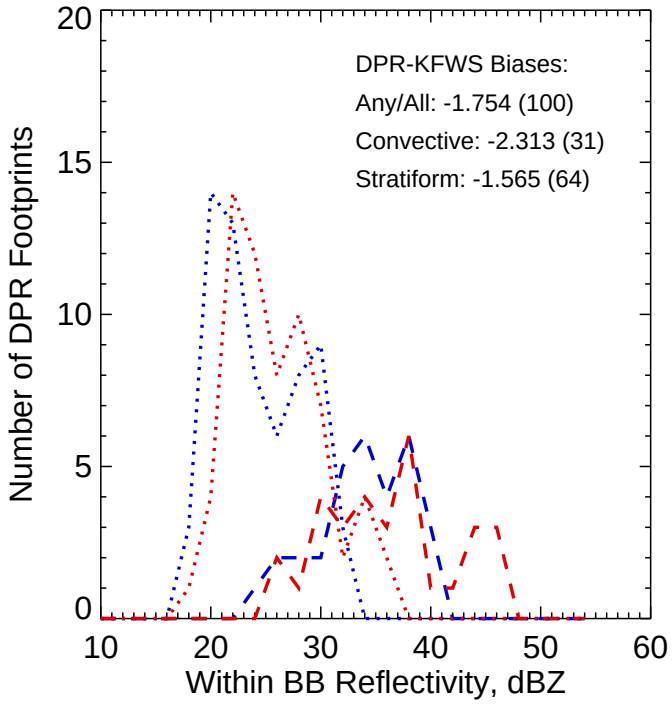
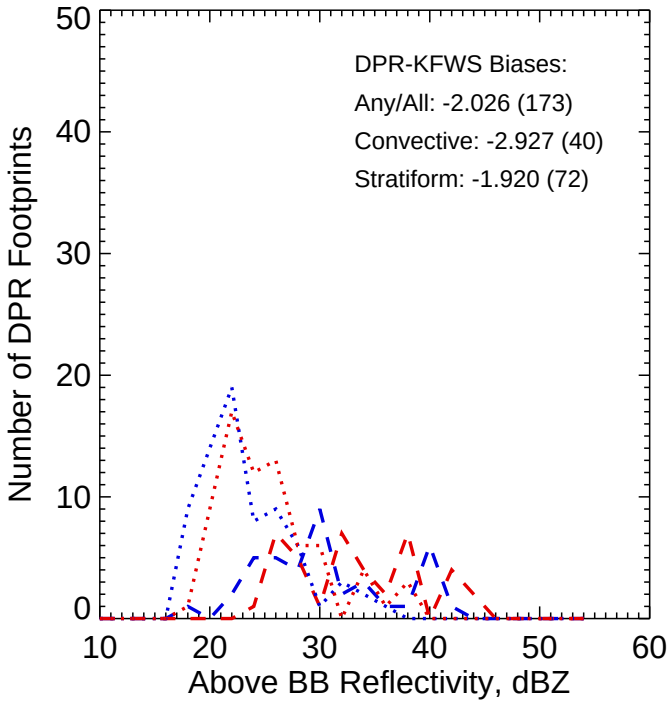








KFWS Zc vs. DPR 2ADPR/NS/V03B >=70% bins above threshold

Orbit: 7052 -- GR Start Time: 2015-05-26 22:25:19

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KFWS
Orbit: 7052 Version: V03B Swath Type: NS
DPR time = 2015-05-26 22:24:34   GR start time = 2015-05-26 22:25:19
Required percent of above-threshold DPR and GR bins in matched volumes >= 70%
Thresholding by reflectivity cutoffs.

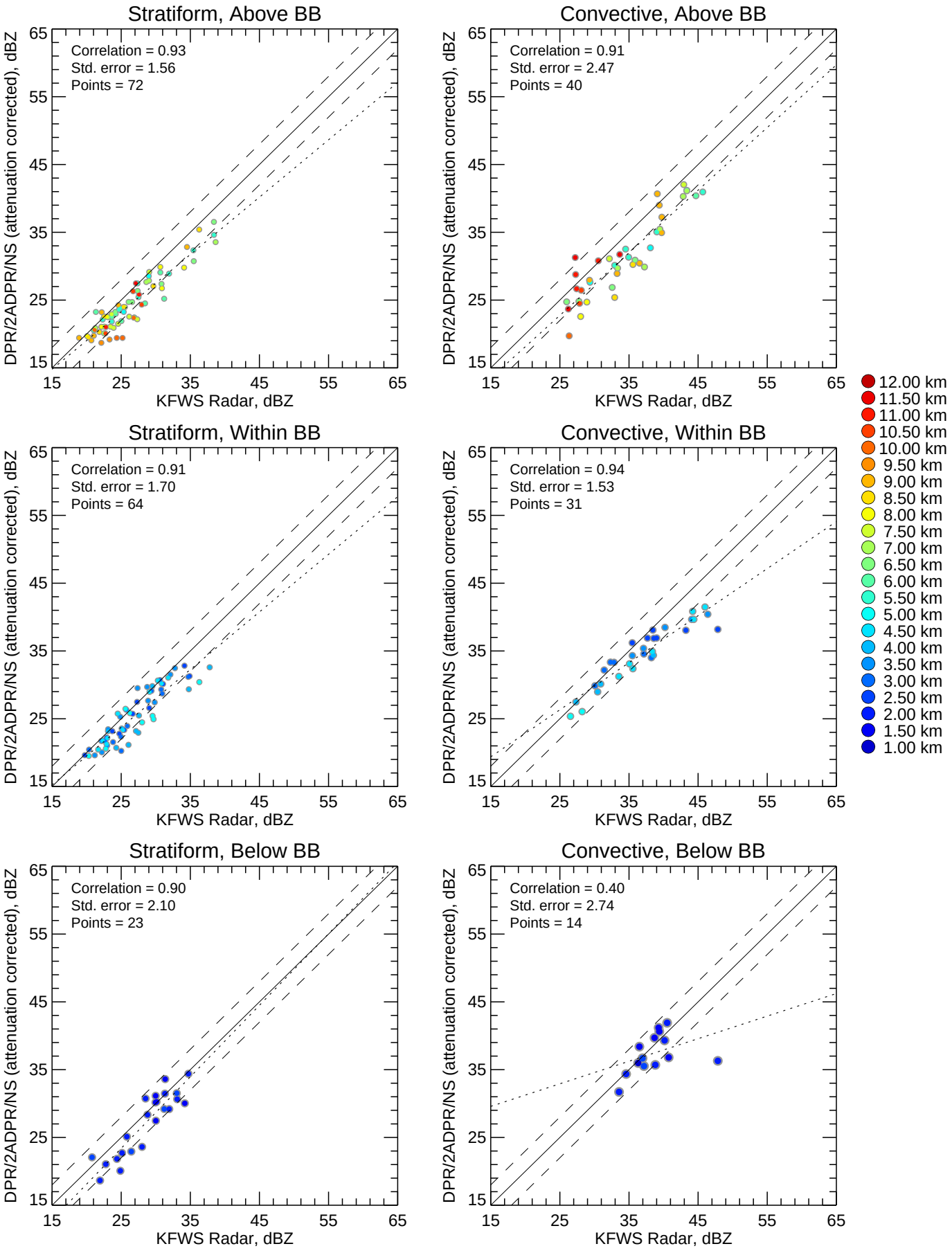
Mean Reflectivity Statistics grouped by fixed height levels (km):

Vert.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
1.0	-0.341	1	-99.999	0	-0.341	1	94.579	35.982	36.323	
2.0	-1.347	30	-1.352	19	-1.338	11	89.356	41.911	47.850	
3.0	-1.518	42	-1.531	27	-1.493	15	90.675	38.183	47.848	@ BB
4.0	-1.801	33	-1.643	23	-2.397	9	89.485	40.419	46.392	@ BB
5.0	-1.890	38	-1.474	20	-3.117	11	88.694	41.482	46.000	
6.0	-2.289	35	-2.023	18	-3.377	7	90.148	41.188	45.671	
7.0	-2.218	39	-1.937	15	-3.862	9	86.887	41.130	43.367	
8.0	-2.108	29	-2.169	13	-2.779	4	82.204	42.036	42.920	
9.0	-1.736	35	-0.851	12	-3.353	9	84.667	40.676	39.752	
10.0	-2.970	12	-3.881	6	-6.622	1	81.650	22.398	26.839	
11.0	-1.290	11	-2.043	5	-0.780	5	93.003	30.800	30.566	
12.0	-0.286	5	0.352	1	-0.146	3	98.889	31.732	33.662	

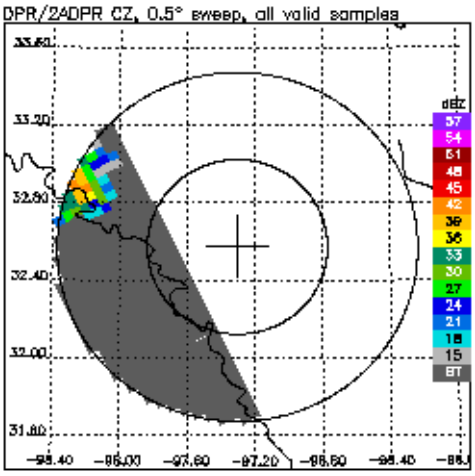
Mean Reflectivity Statistics grouped by proximity to Bright Band:

Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics			
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
Below	-1.311	37	-1.374	23	-1.214	14	89.760	41.911	47.850	
Within	-1.754	100	-1.565	64	-2.313	31	89.832	41.482	47.848	@ BB
Above	-2.026	173	-1.920	72	-2.927	40	86.653	42.036	45.671	

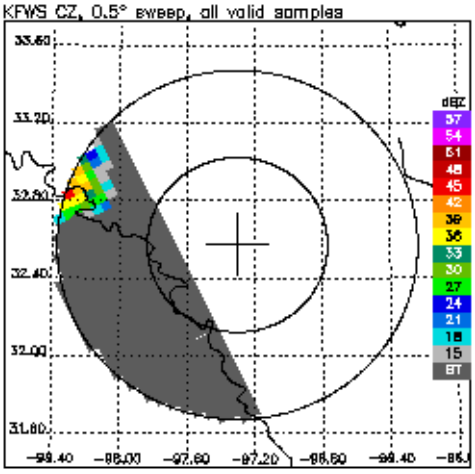
KFWS Zc vs. DPR 2ADPR/NS/V03B >=70% bins above threshold



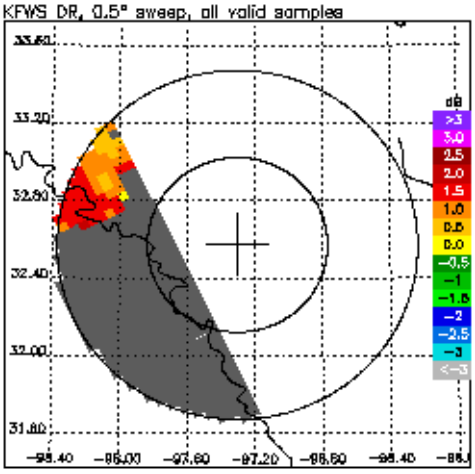
DPR/2ADPR CZ, 0.5° sweep, all valid samples



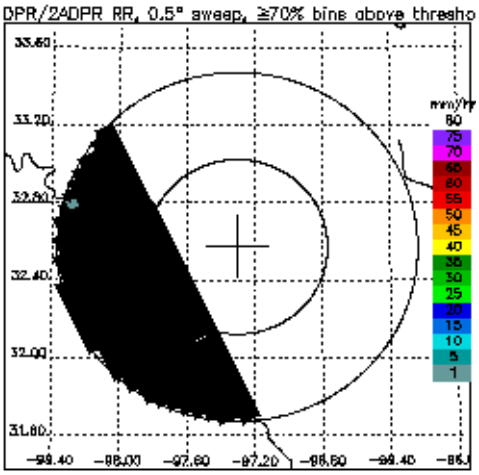
KFWS CZ, 0.5° sweep, all valid samples



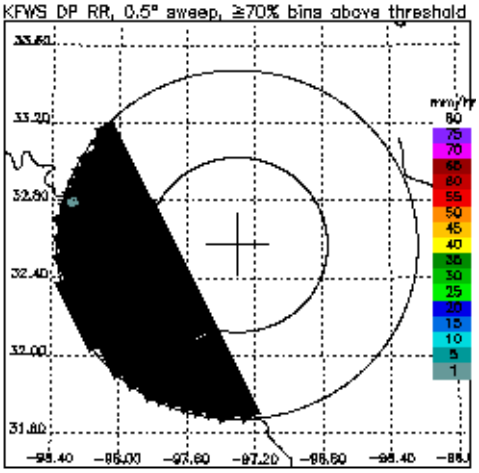
KFWS DR, 0.5° sweep, all valid samples



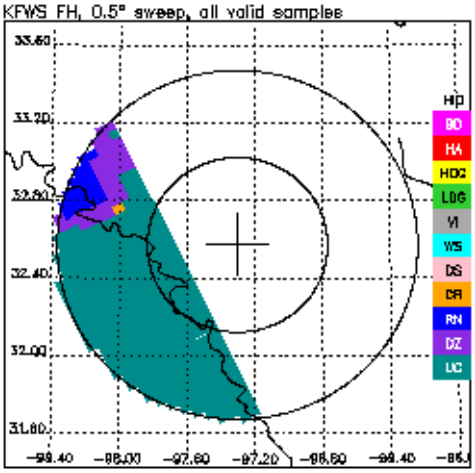
DPR/2ADPR RR, 0.5° sweep, ≥70% bins above thresho



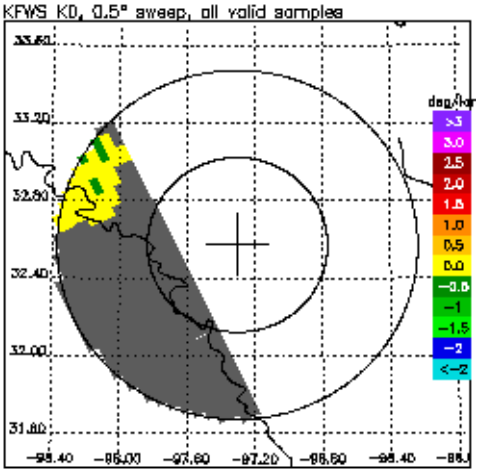
KFWS DP RR, 0.5° sweep, ≥70% bins above threshold



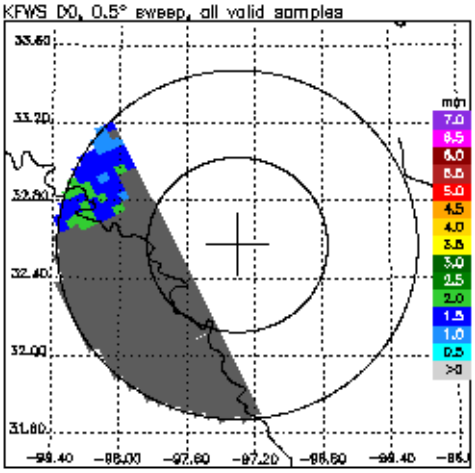
KFWS FH, 0.5° sweep, all valid samples



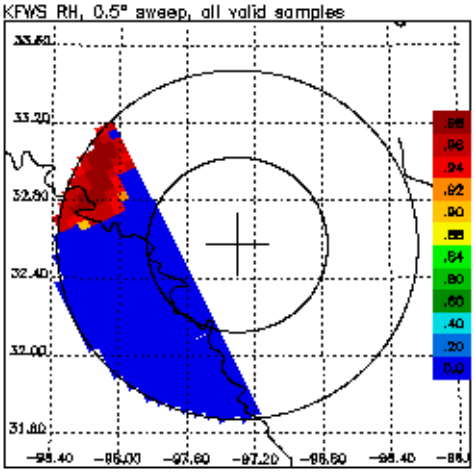
KFWS KD, 0.5° sweep, all valid samples



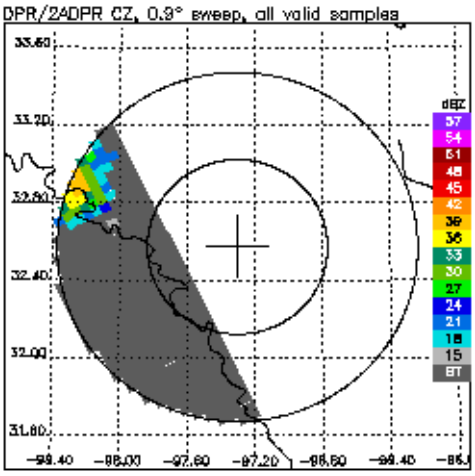
KFWS DO, 0.5° sweep, all valid samples



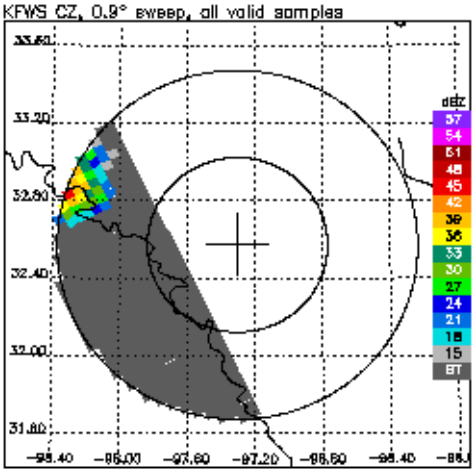
KFWS RH, 0.5° sweep, all valid samples



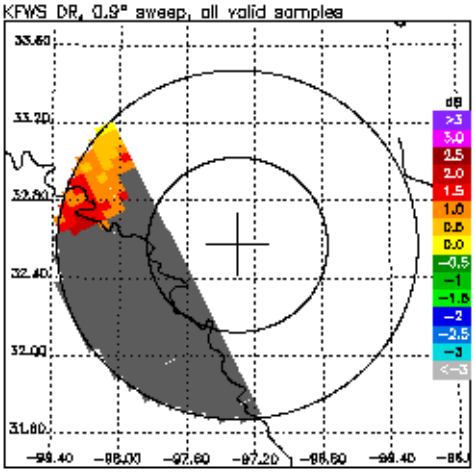
DPR/2ADPR CZ, 0.9° sweep, all valid samples



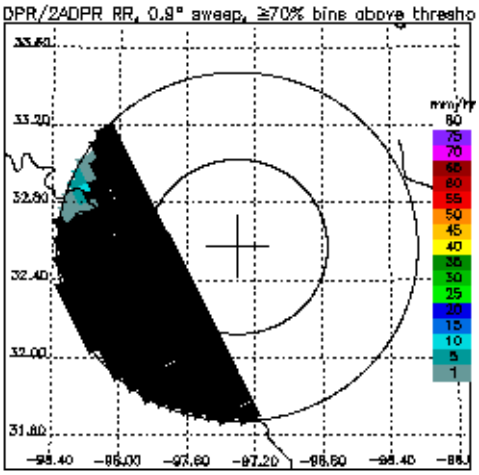
KFWS CZ, 0.9° sweep, all valid samples



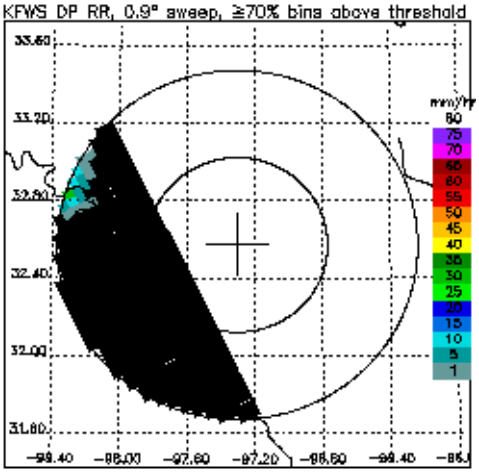
KFWS DR, 0.9° sweep, all valid samples



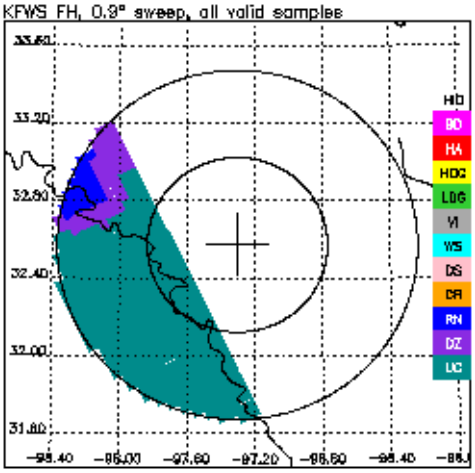
DPR/2ADPR RR, 0.9° sweep, ≥70% bins above thresho



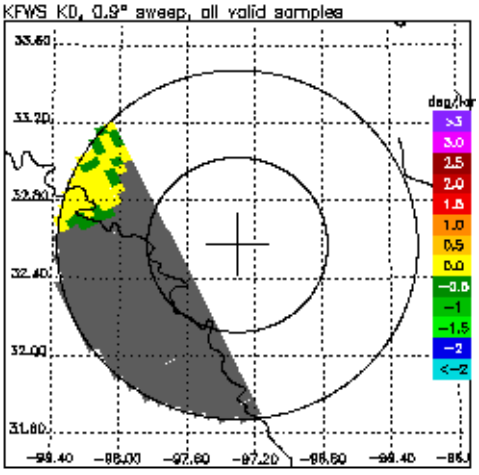
KFWS DP RR, 0.9° sweep, ≥70% bins above threshold



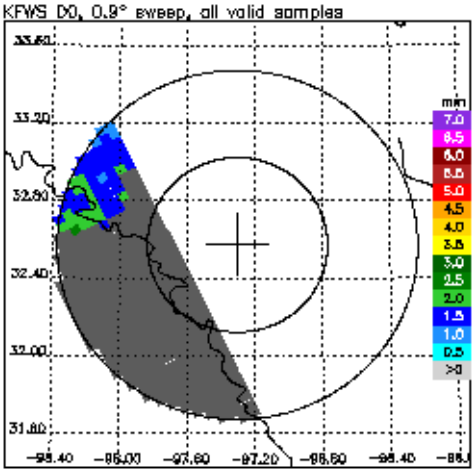
KFWS FH, 0.9° sweep, all valid samples



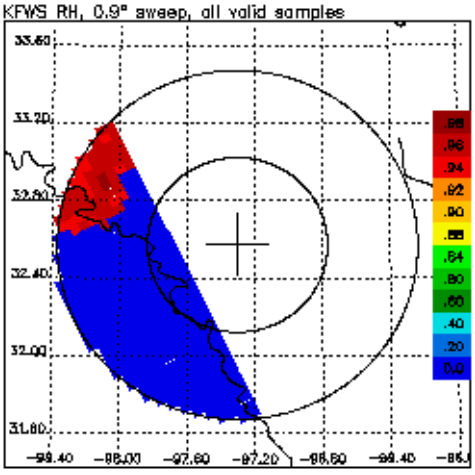
KFWS KD, 0.9° sweep, all valid samples



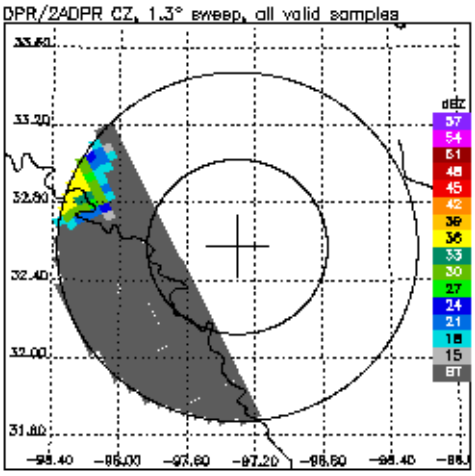
KFWS DO, 0.9° sweep, all valid samples



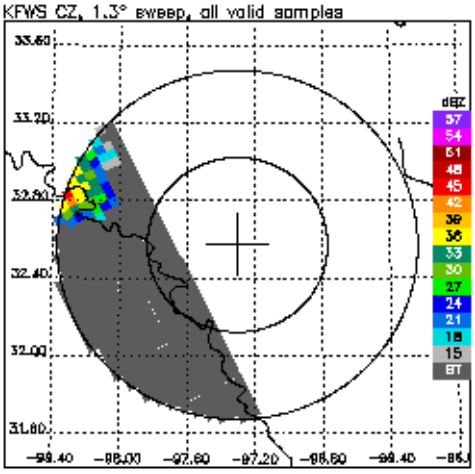
KFWS RH, 0.9° sweep, all valid samples



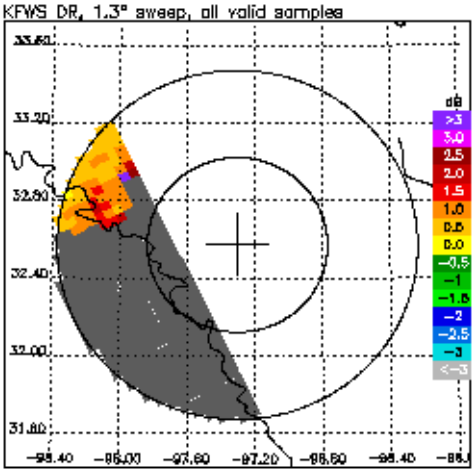
DPR/2ADPR CZ, 1.3° sweep, all valid samples



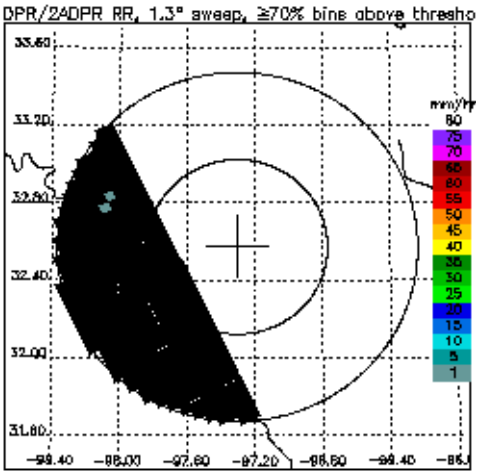
KFWS CZ, 1.3° sweep, all valid samples



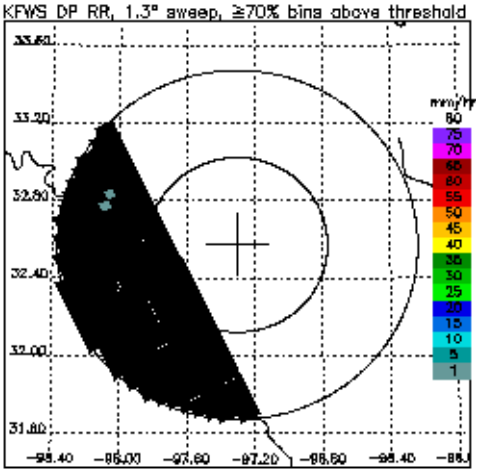
KFWS DR, 1.3° sweep, all valid samples



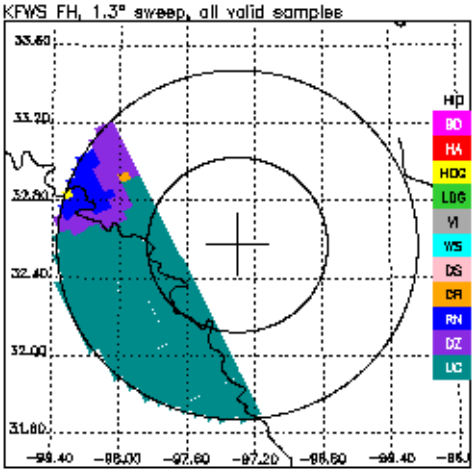
DPR/2ADPR RR, 1.3° sweep, ≥70% bins above thresho



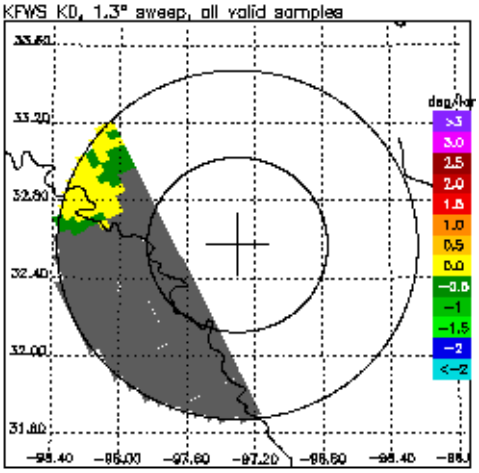
KFWS DP RR, 1.3° sweep, ≥70% bins above threshold



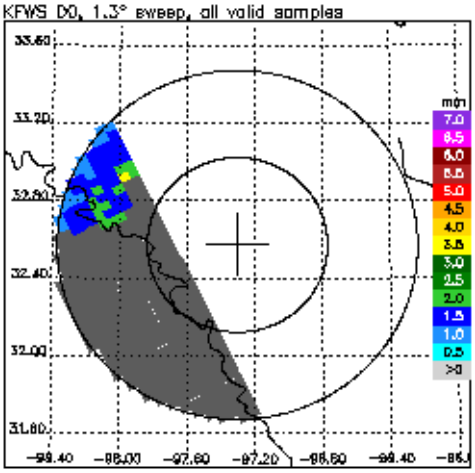
KFWS FH, 1.3° sweep, all valid samples



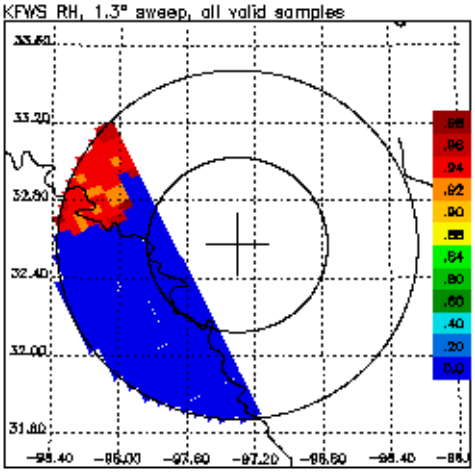
KFWS KD, 1.3° sweep, all valid samples

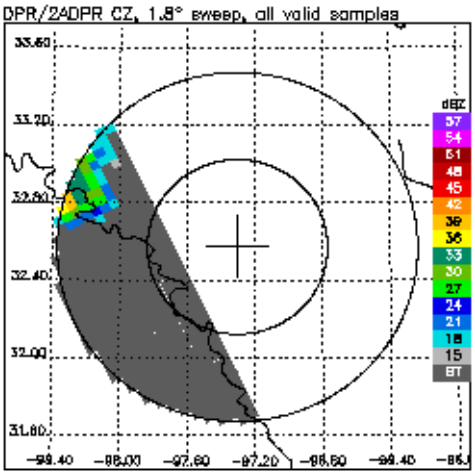


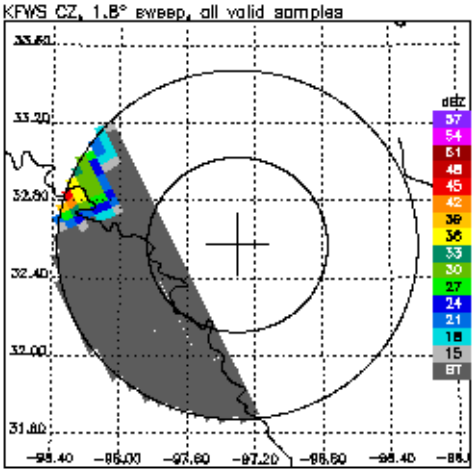
KFWS DO, 1.3° sweep, all valid samples

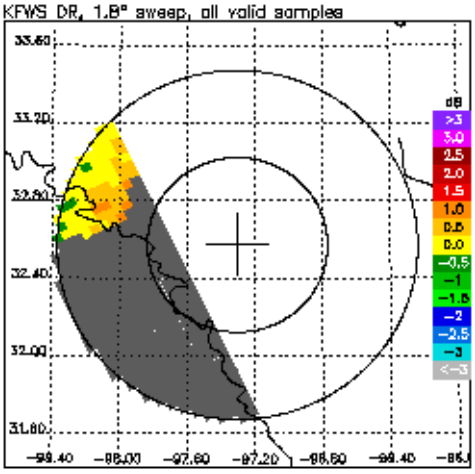


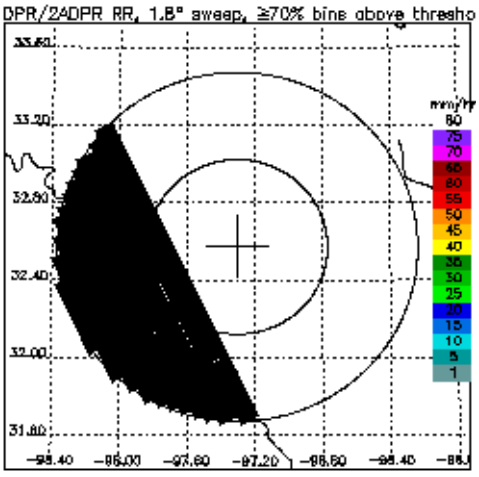
KFWS RH, 1.3° sweep, all valid samples

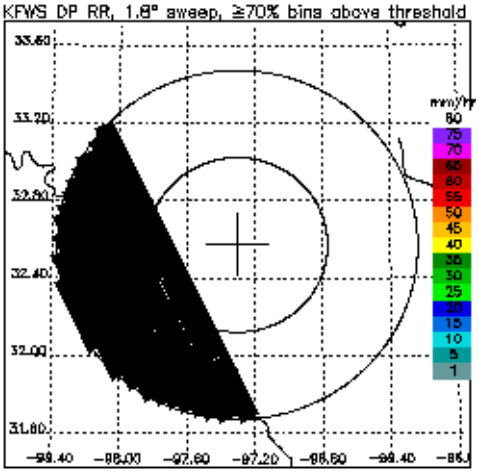


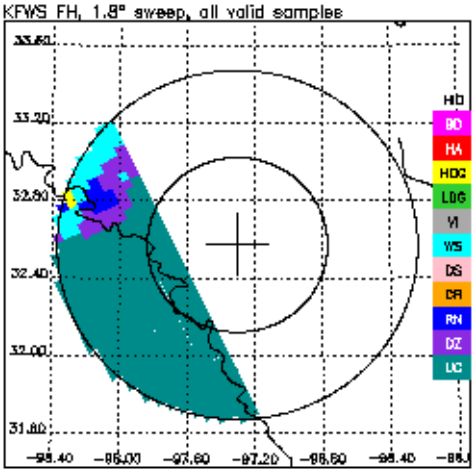

DPR/2ADPR CZ, 1.8° sweep, all valid samples
dBZ
57
54
51
48
45
42
39
36
33
30
27
24
21
18
15
ET
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40

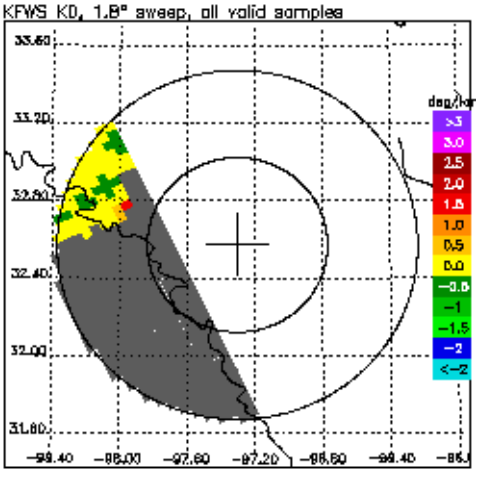

KFWS CZ, 1.8° sweep, all valid samples
dBZ
57
54
51
48
45
42
39
36
33
30
27
24
21
18
15
ET
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40

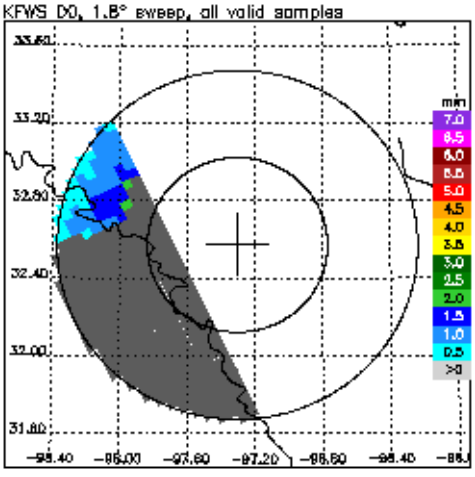

KFWS DR, 1.8° sweep, all valid samples
dB
>3
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
-1
-1.5
-2
-2.5
-3
<-3
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40

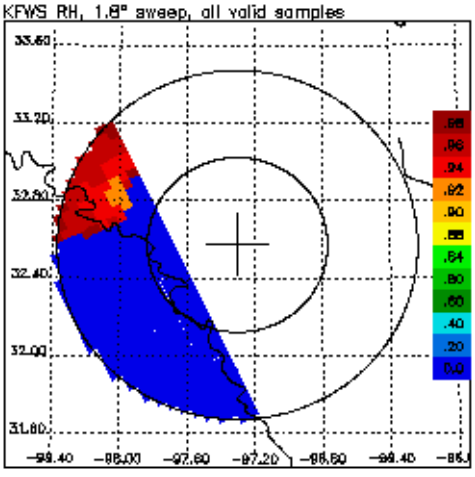

DPR/2ADPR RR, 1.8° sweep, ≥70% bins above thresho
mm/hr
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
1
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40


KFWS DP RR, 1.8° sweep, ≥70% bins above threshold
mm/hr
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
1
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40

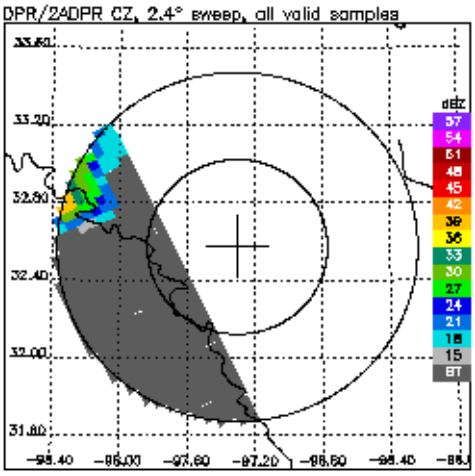

KFWS FH, 1.8° sweep, all valid samples
HID
BD
HA
HDG
LDG
VI
WS
DS
GR
RN
DZ
UC
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40


KFWS KD, 1.8° sweep, all valid samples
deg/km
>3
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
-1
-1.5
-2
<-2
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40

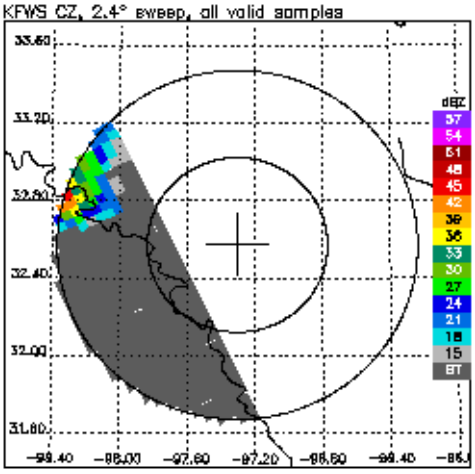

KFWS DO, 1.8° sweep, all valid samples
mm
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
>0
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40


KFWS RH, 1.8° sweep, all valid samples
.98
.96
.94
.92
.90
.88
.84
.80
.60
.40
.20
0.0
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40

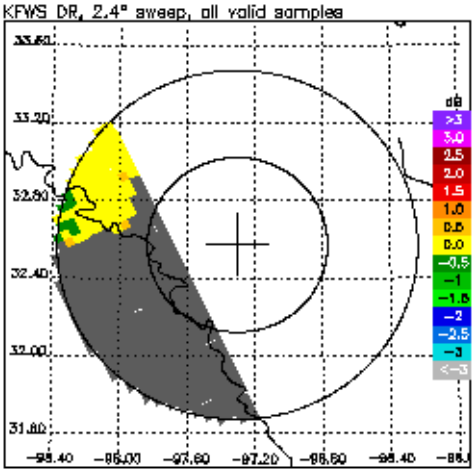
DPR/2ADPR CZ, 2.4° sweep, all valid samples



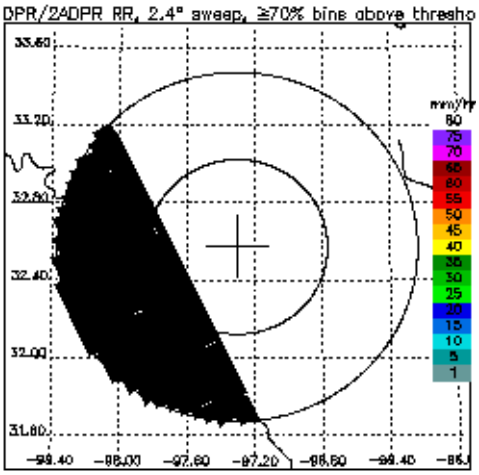
KFWS CZ, 2.4° sweep, all valid samples



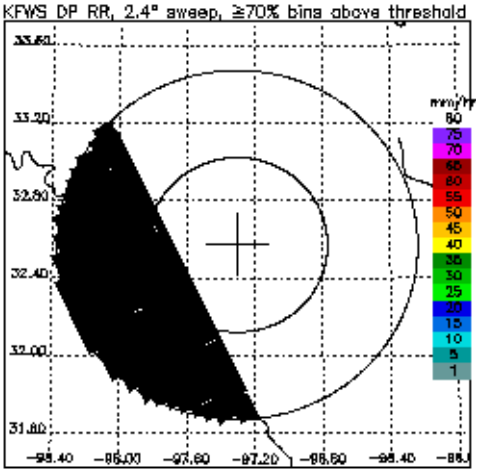
KFWS DR, 2.4° sweep, all valid samples



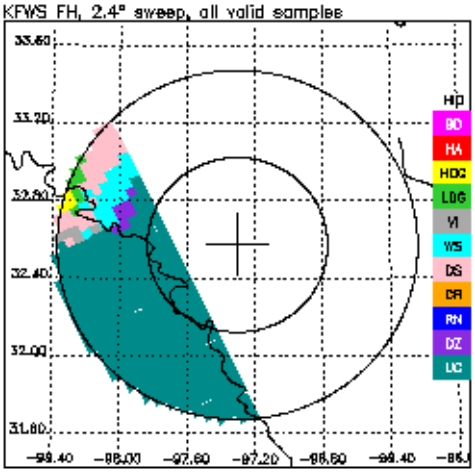
DPR/2ADPR RR, 2.4° sweep, ≥70% bins above thresho



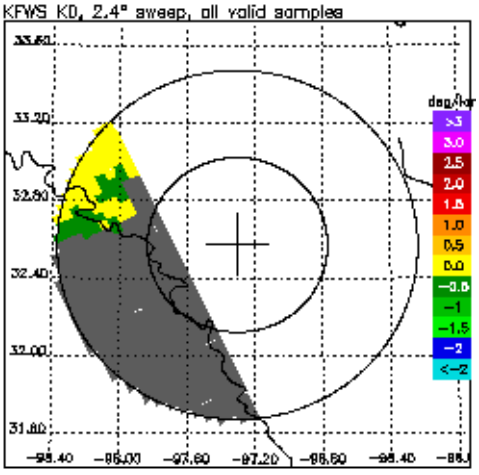
KFWS DP RR, 2.4° sweep, ≥70% bins above threshold



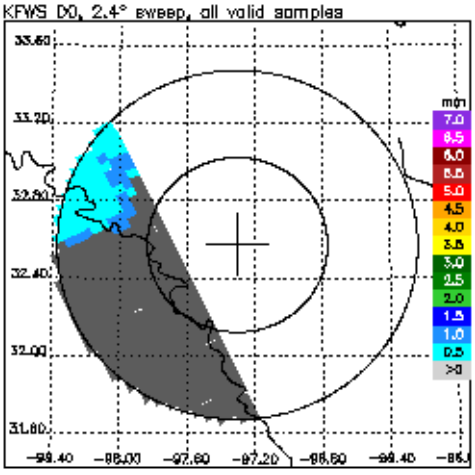
KFWS FH, 2.4° sweep, all valid samples



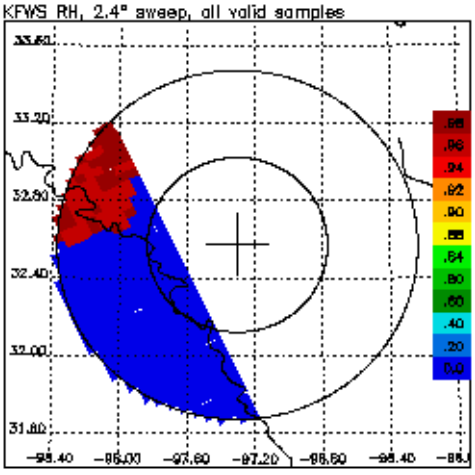
KFWS KD, 2.4° sweep, all valid samples



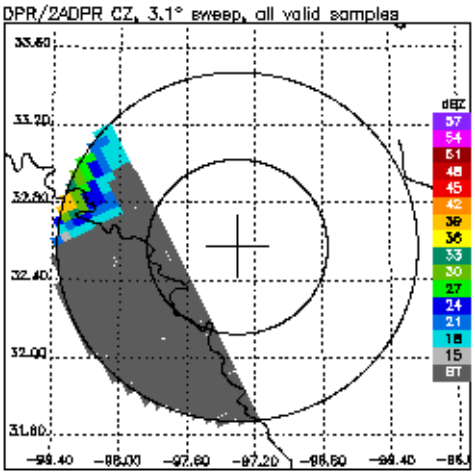
KFWS DO, 2.4° sweep, all valid samples



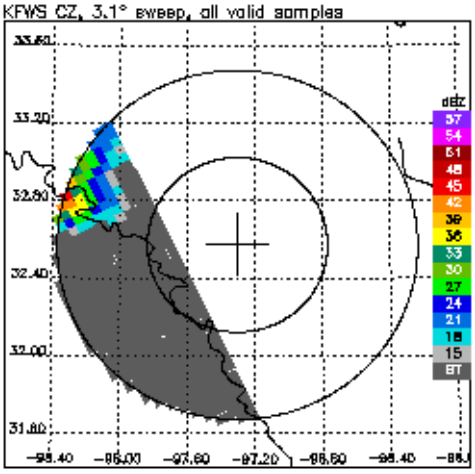
KFWS RH, 2.4° sweep, all valid samples



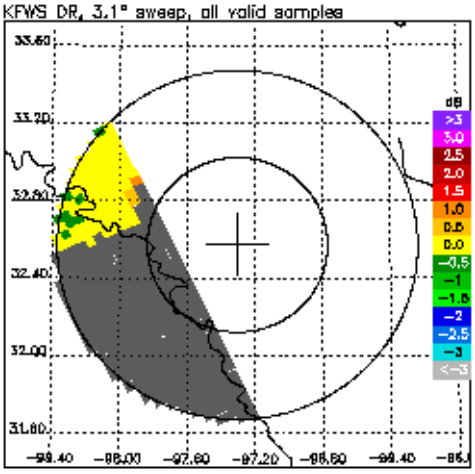
DPR/2ADPR CZ, 3.1° sweep, all valid samples



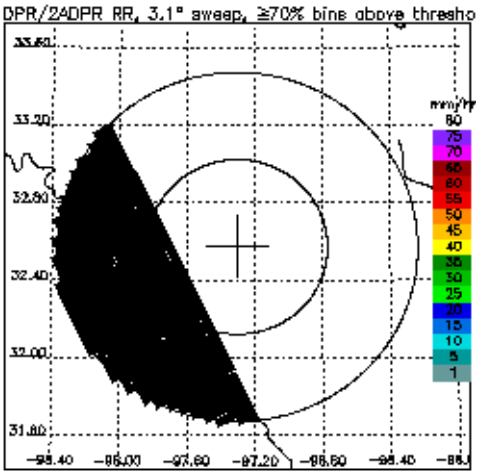
KFWS CZ, 3.1° sweep, all valid samples



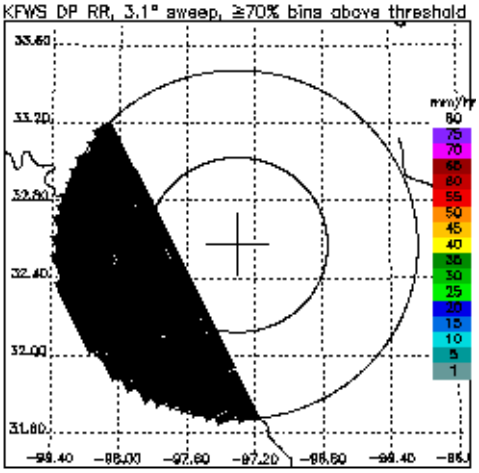
KFWS DR, 3.1° sweep, all valid samples



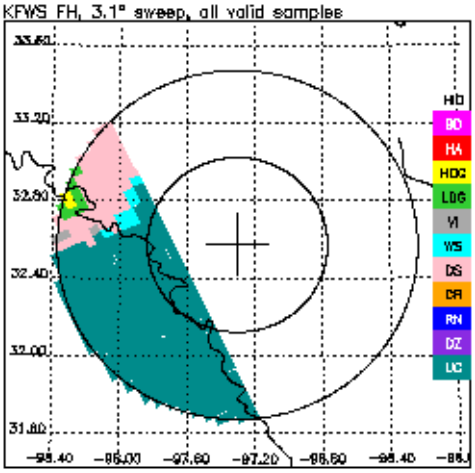
DPR/2ADPR RR, 3.1° sweep, ≥70% bins above thresho



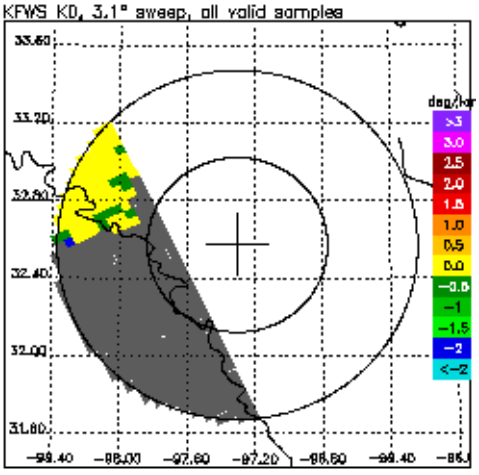
KFWS DP RR, 3.1° sweep, ≥70% bins above threshold



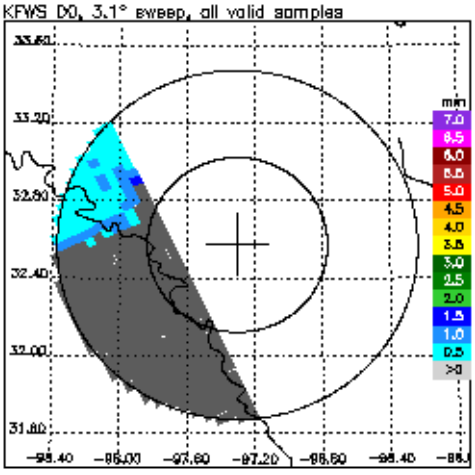
KFWS FH, 3.1° sweep, all valid samples



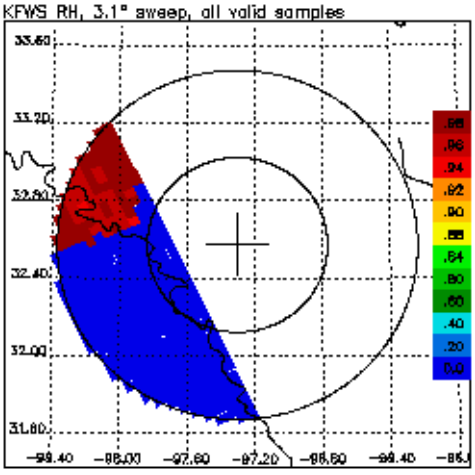
KFWS KD, 3.1° sweep, all valid samples



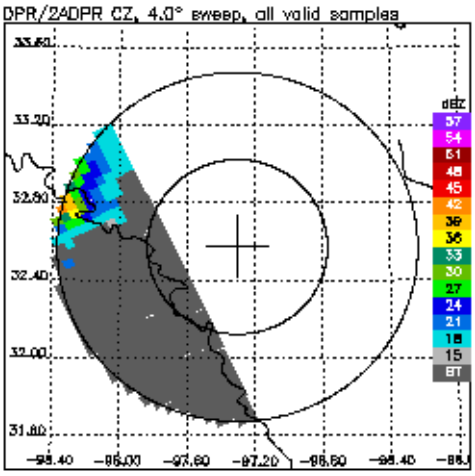
KFWS DO, 3.1° sweep, all valid samples



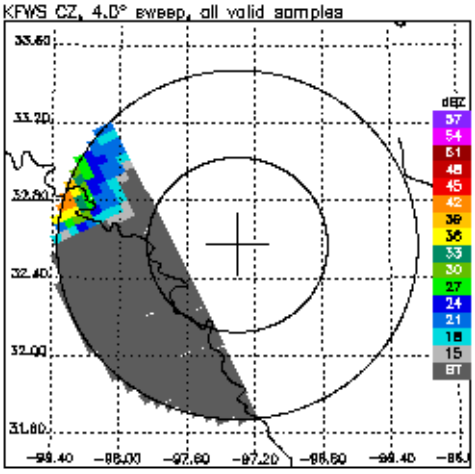
KFWS RH, 3.1° sweep, all valid samples



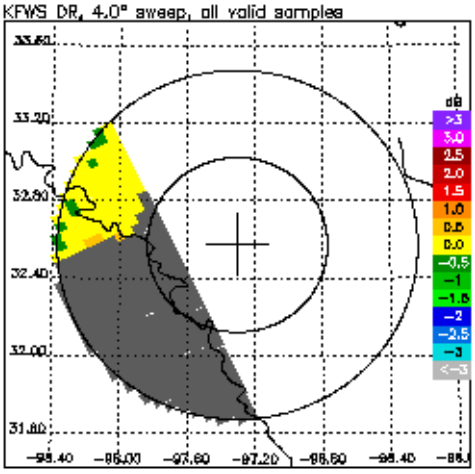
DPR/2ADPR CZ, 4.0° sweep, all valid samples



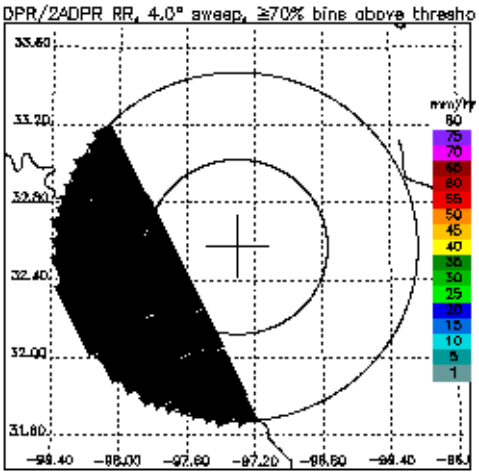
KFWS CZ, 4.0° sweep, all valid samples



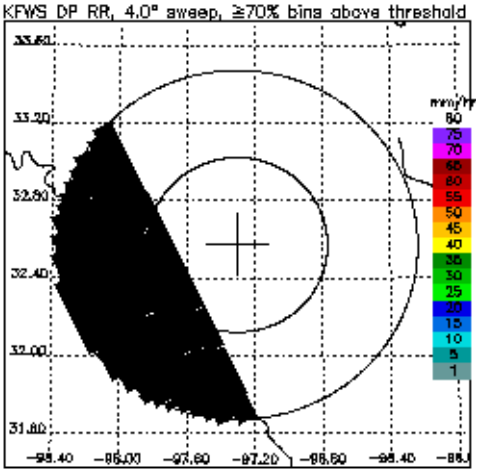
KFWS DR, 4.0° sweep, all valid samples



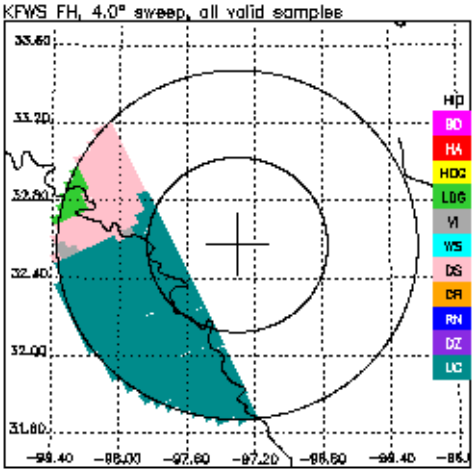
DPR/2ADPR RR, 4.0° sweep, ≥70% bins above thresho



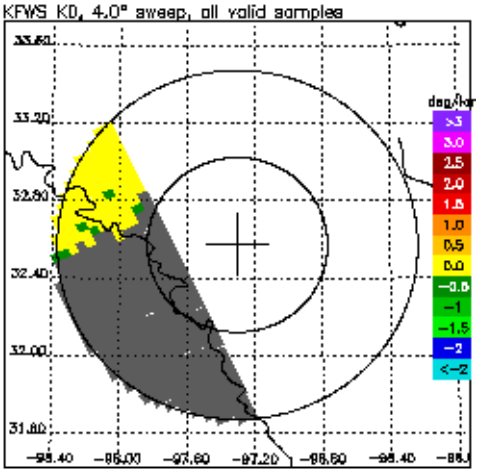
KFWS DP RR, 4.0° sweep, ≥70% bins above threshold



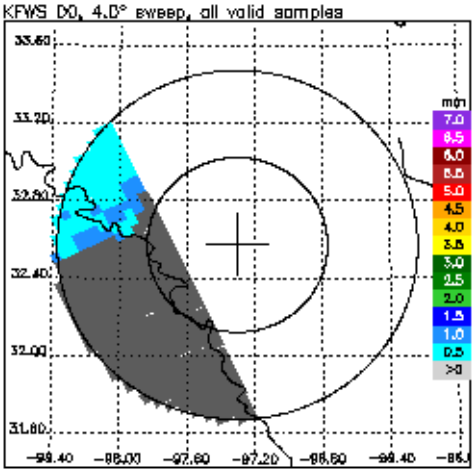
KFWS FH, 4.0° sweep, all valid samples



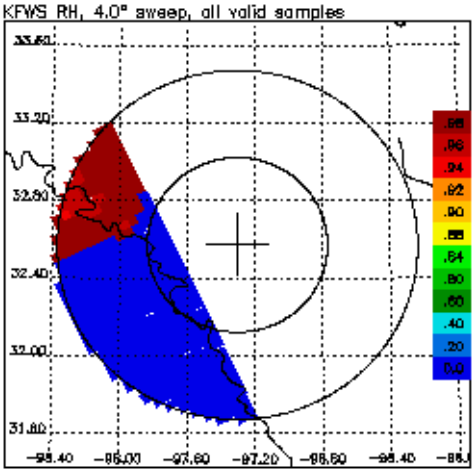
KFWS KD, 4.0° sweep, all valid samples



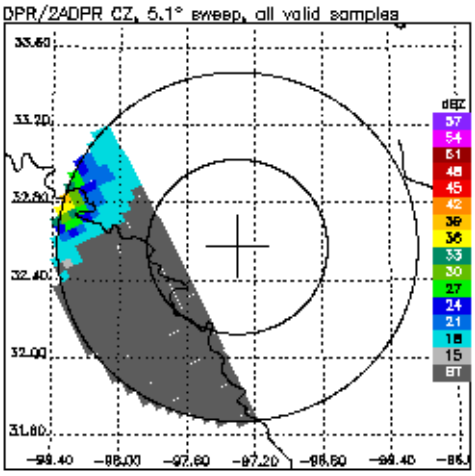
KFWS DO, 4.0° sweep, all valid samples



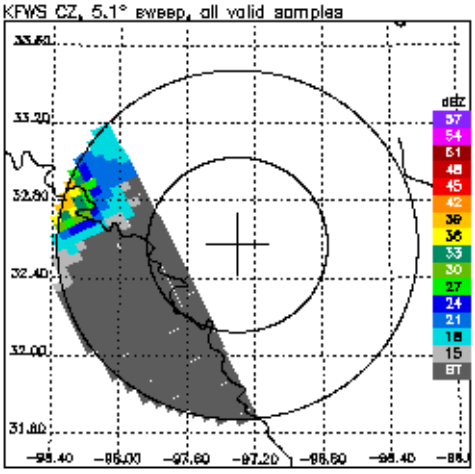
KFWS RH, 4.0° sweep, all valid samples



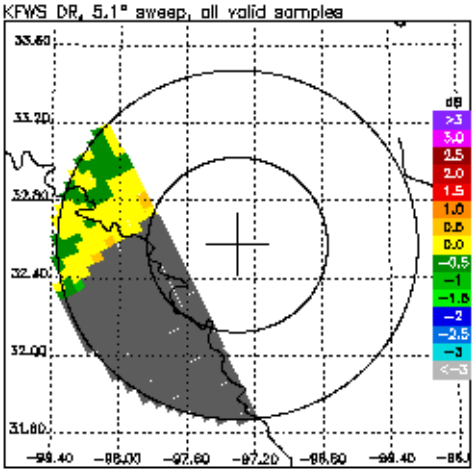
DPR/2ADPR CZ, 5.1° sweep, all valid samples



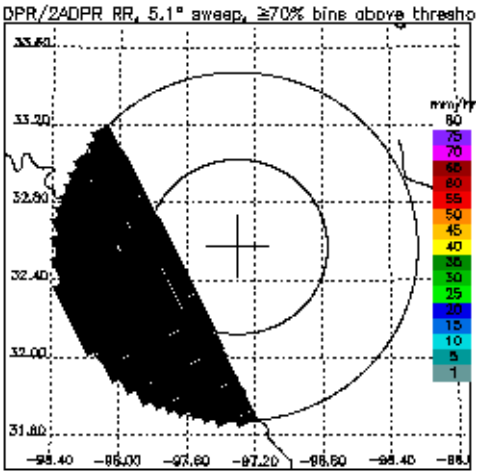
KFWS CZ, 5.1° sweep, all valid samples



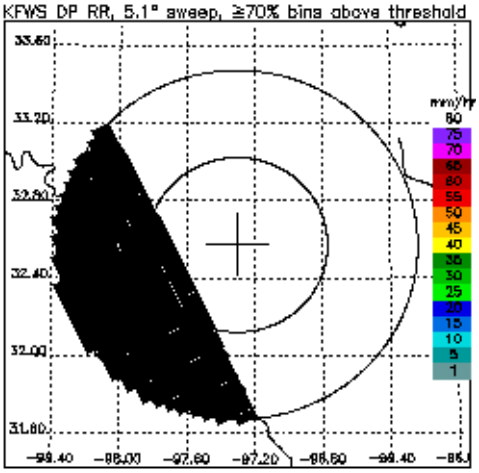
KFWS DR, 5.1° sweep, all valid samples



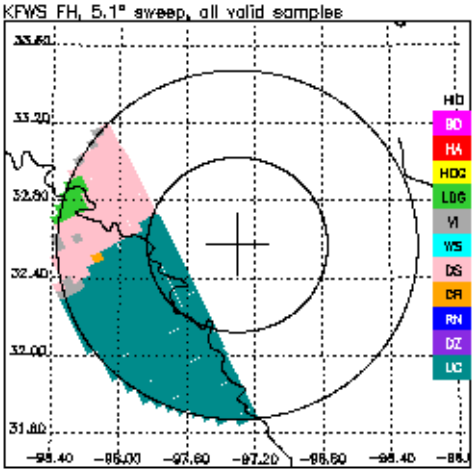
DPR/2ADPR RR, 5.1° sweep, ≥70% bins above thresho



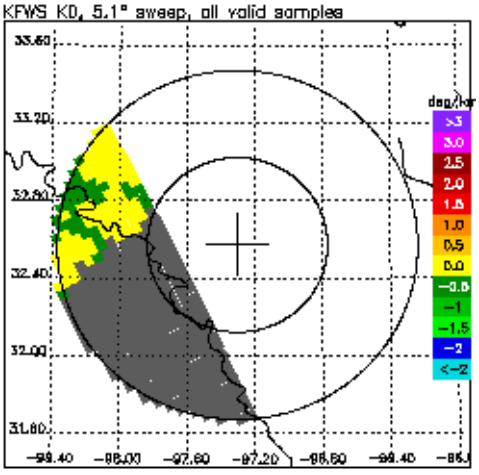
KFWS DP RR, 5.1° sweep, ≥70% bins above threshold



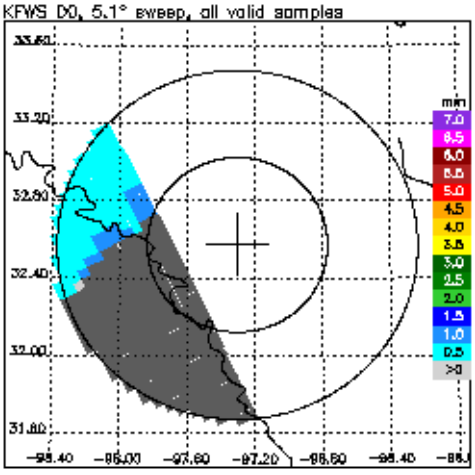
KFWS FH, 5.1° sweep, all valid samples



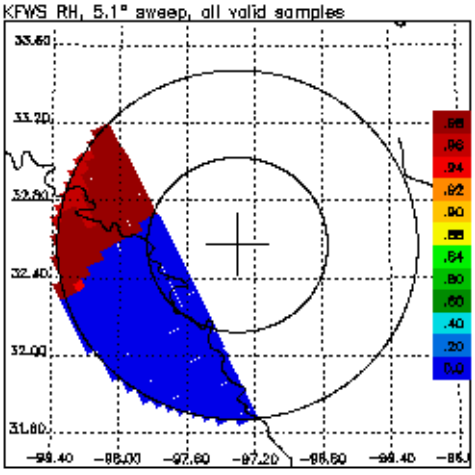
KFWS KD, 5.1° sweep, all valid samples



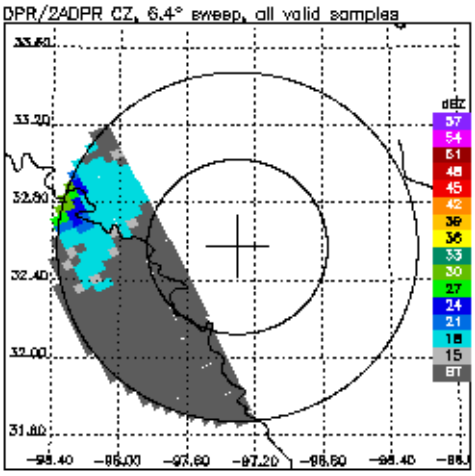
KFWS DO, 5.1° sweep, all valid samples



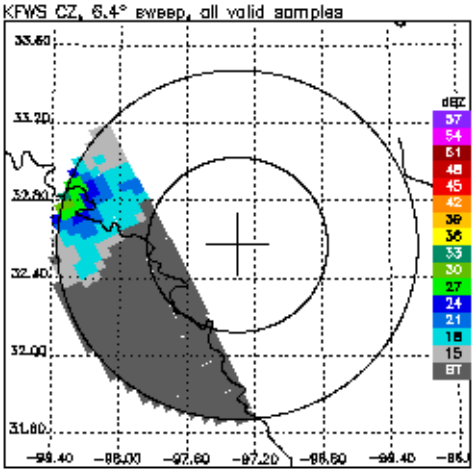
KFWS RH, 5.1° sweep, all valid samples



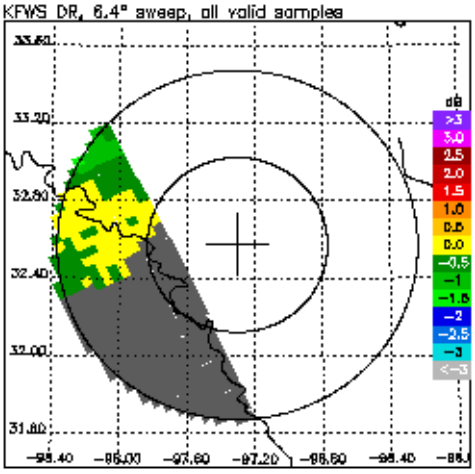
DPR/2ADPR CZ, 6.4° sweep, all valid samples



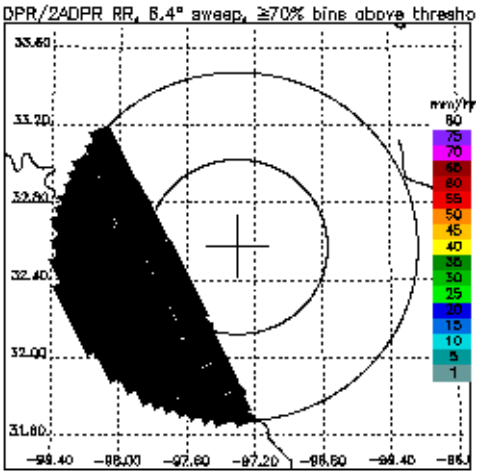
KFWS CZ, 6.4° sweep, all valid samples



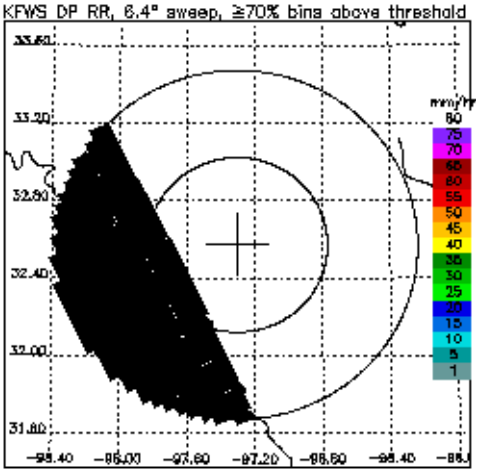
KFWS DR, 6.4° sweep, all valid samples



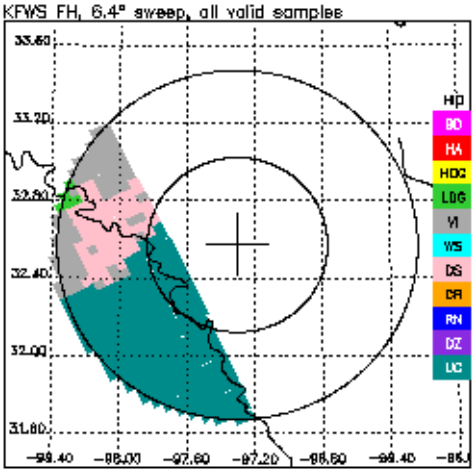
DPR/2ADPR RR, 6.4° sweep, ≥70% bins above thresho



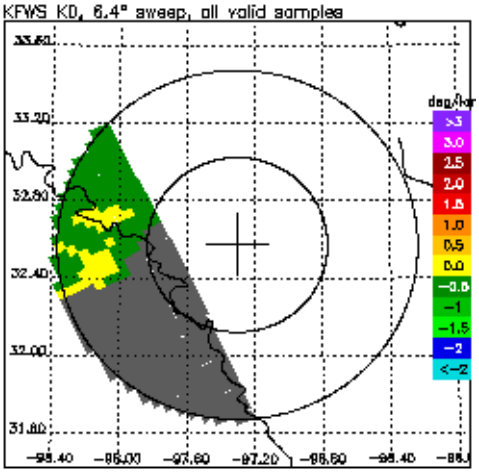
KFWS DP RR, 6.4° sweep, ≥70% bins above threshold



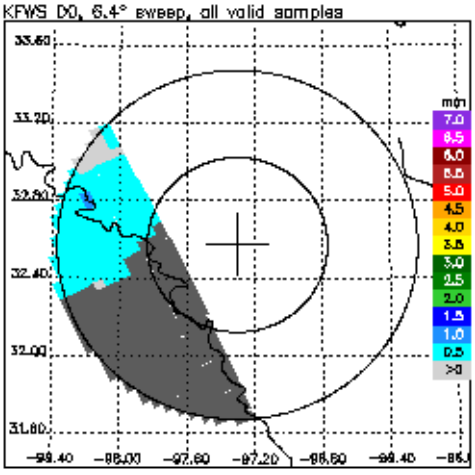
KFWS FH, 6.4° sweep, all valid samples



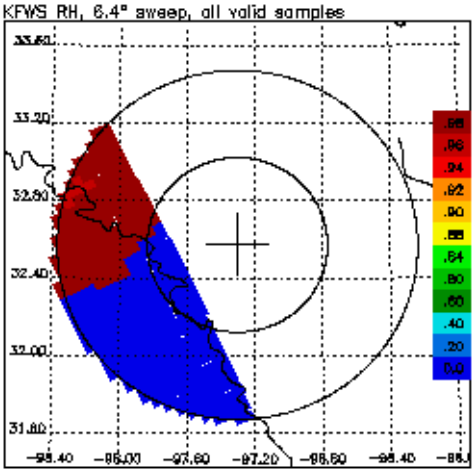
KFWS KD, 6.4° sweep, all valid samples

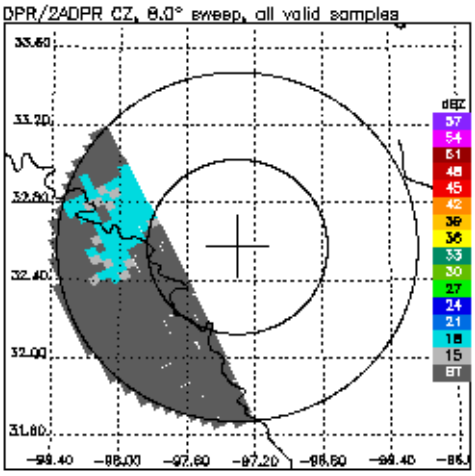


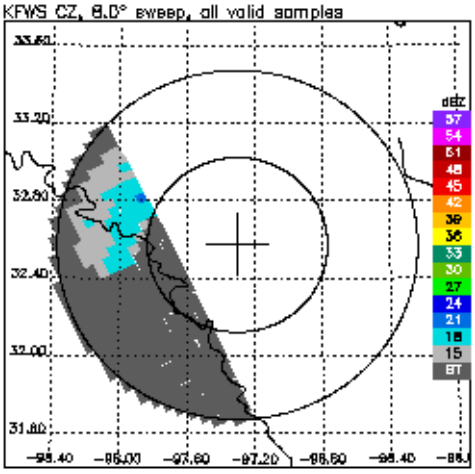
KFWS DO, 6.4° sweep, all valid samples

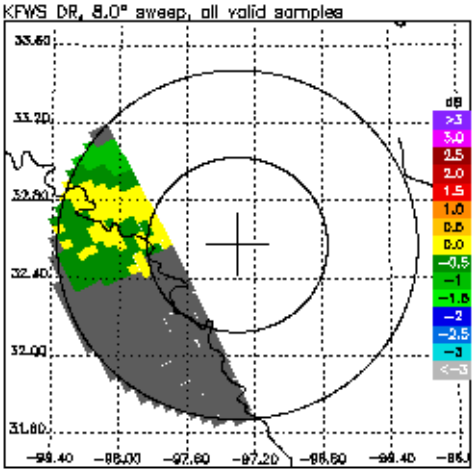


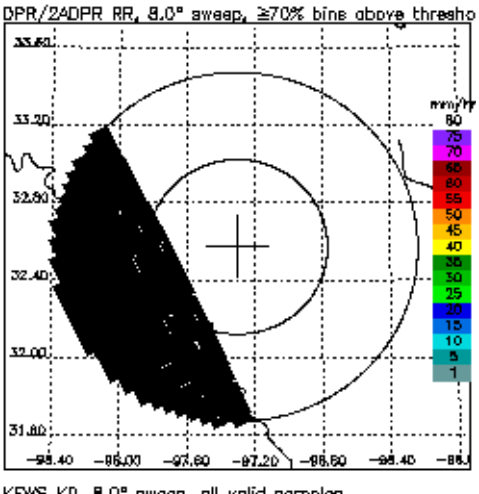
KFWS RH, 6.4° sweep, all valid samples

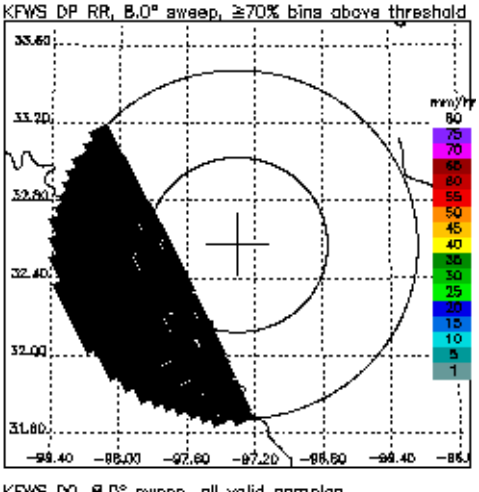


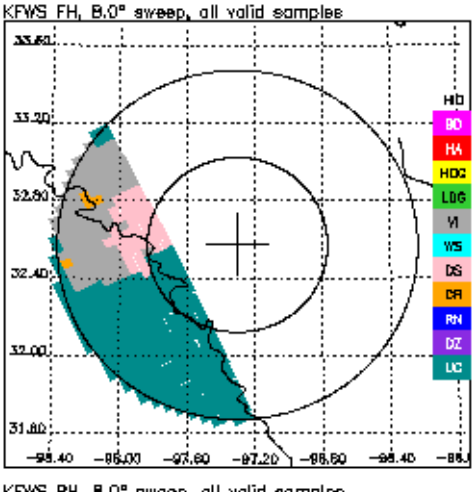

DPR/2ADPR CZ, 8.0° sweep, all valid samples
dBZ
57
54
51
48
45
42
39
36
33
30
27
24
21
18
15
ET
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40

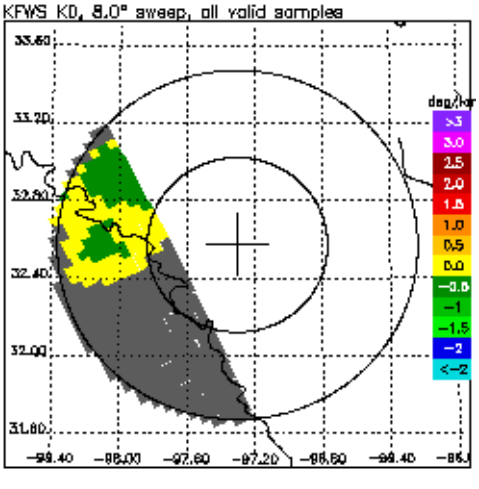

KFWS CZ, 8.0° sweep, all valid samples
dBZ
57
54
51
48
45
42
39
36
33
30
27
24
21
18
15
ET
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40

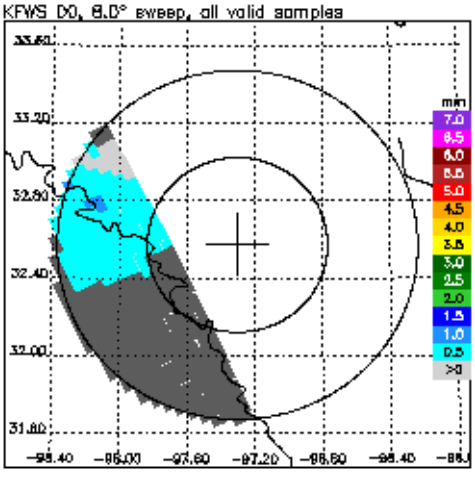

KFWS DR, 8.0° sweep, all valid samples
dB
>3
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
-1
-1.5
-2
-2.5
-3
<-3
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40

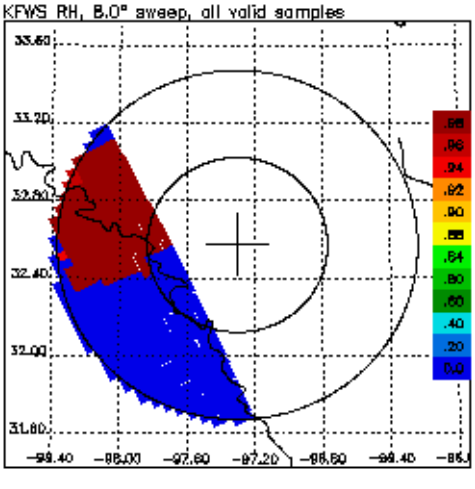

DPR/2ADPR RR, 8.0° sweep, ≥70% bins above thresho
mm/hr
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
1
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40


KFWS DP RR, 8.0° sweep, ≥70% bins above threshold
mm/hr
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
1
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40

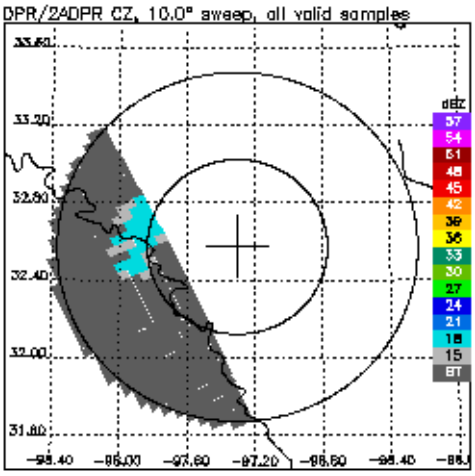

KFWS FH, 8.0° sweep, all valid samples
HID
BD
HA
HDG
LDG
VI
WS
DS
GR
RN
DZ
UC
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40


KFWS KD, 8.0° sweep, all valid samples
deg/km
>3
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
-1
-1.5
-2
<-2
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40

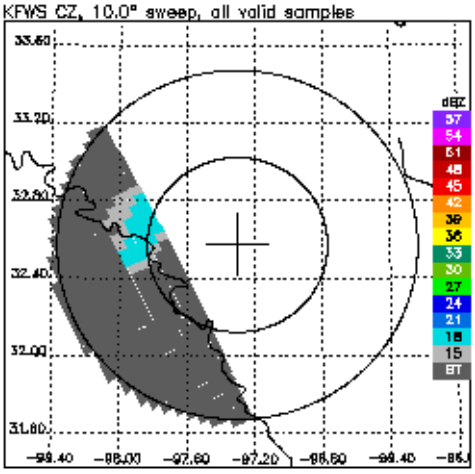

KFWS DO, 8.0° sweep, all valid samples
mm
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
>0
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40


KFWS RH, 8.0° sweep, all valid samples
.98
.96
.94
.92
.90
.88
.84
.80
.60
.40
.20
0.0
33.60
33.20
32.80
32.40
32.00
31.60
-98.40
-98.00
-97.60
-97.20
-96.80
-96.40

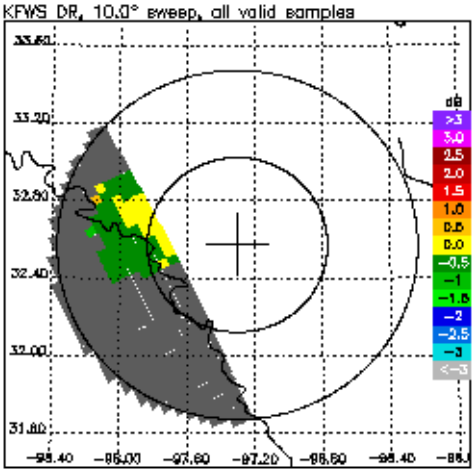
DPR/2ADPR CZ, 10.0° sweep, all valid samples



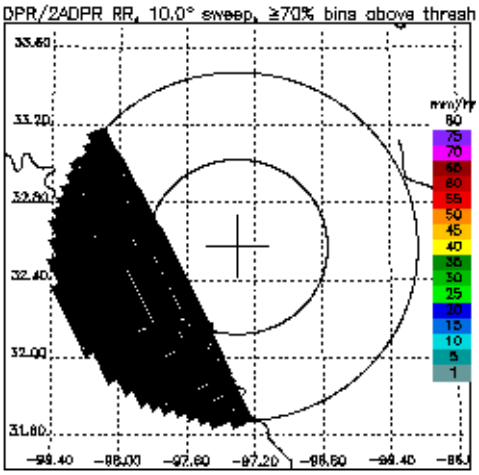
KFWS CZ, 10.0° sweep, all valid samples



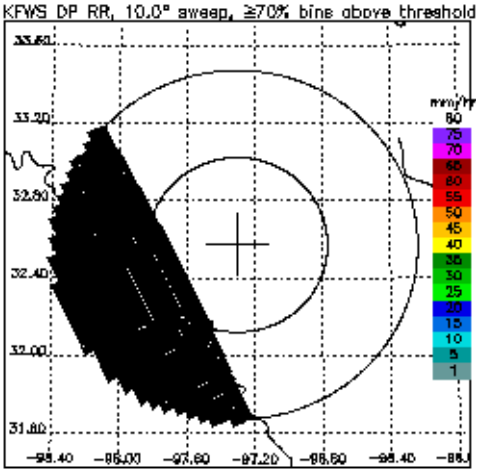
KFWS DR, 10.0° sweep, all valid samples



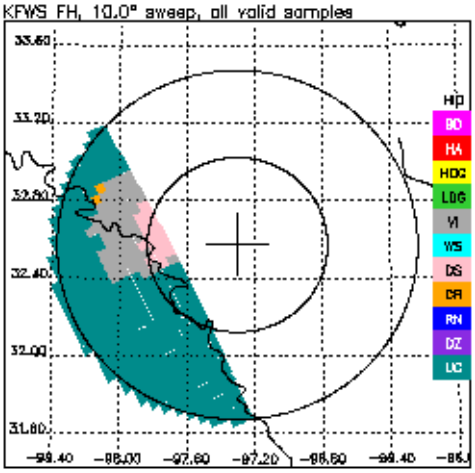
DPR/2ADPR RR, 10.0° sweep, ≥70% bins above thresh



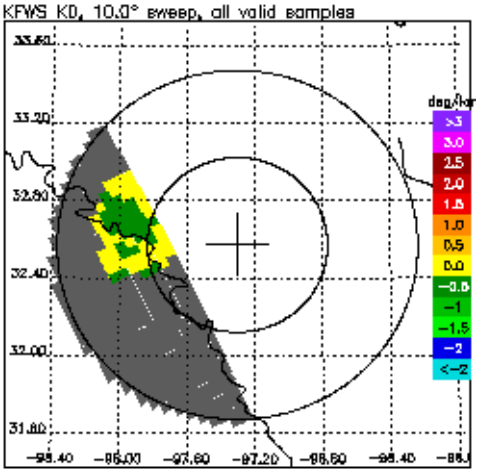
KFWS DP RR, 10.0° sweep, ≥70% bins above threshold



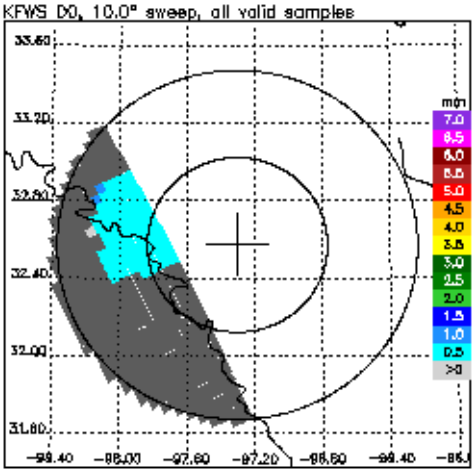
KFWS FH, 10.0° sweep, all valid samples



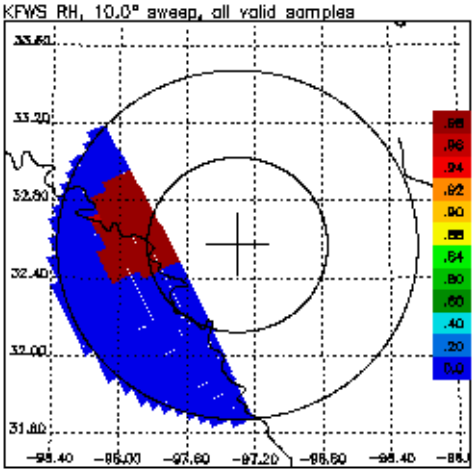
KFWS KD, 10.0° sweep, all valid samples



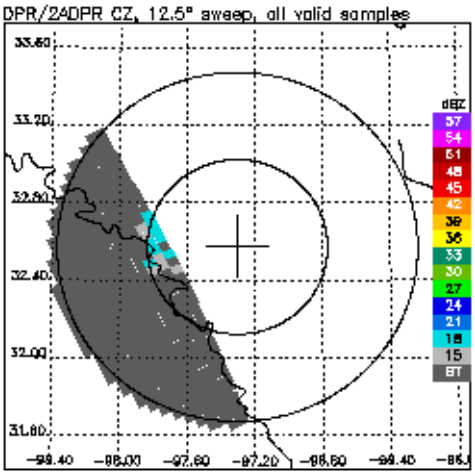
KFWS DO, 10.0° sweep, all valid samples



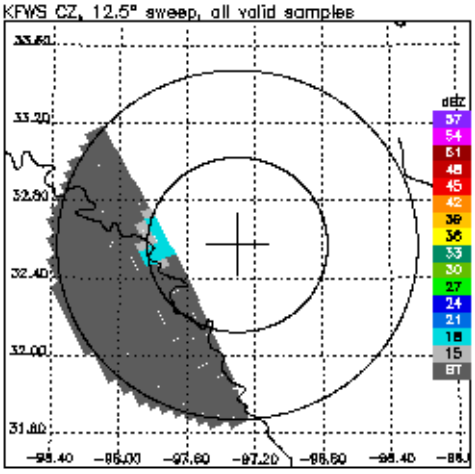
KFWS RH, 10.0° sweep, all valid samples



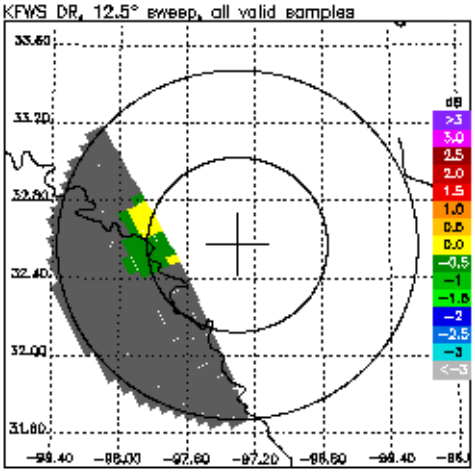
DPR/2ADPR CZ, 12.5° sweep, all valid samples



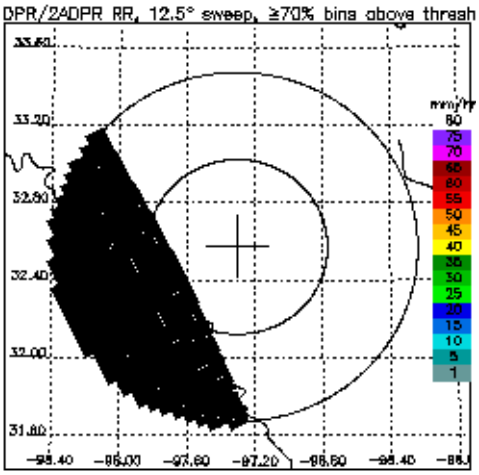
KFWS CZ, 12.5° sweep, all valid samples



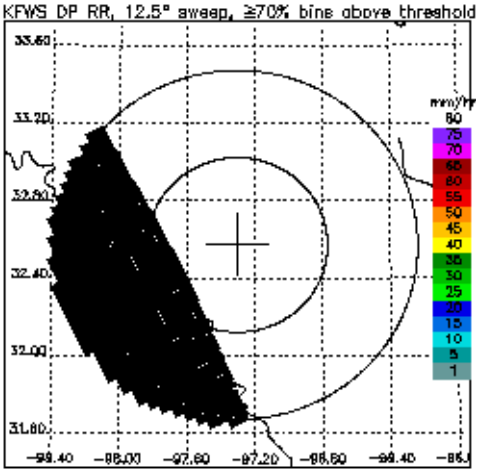
KFWS DR, 12.5° sweep, all valid samples



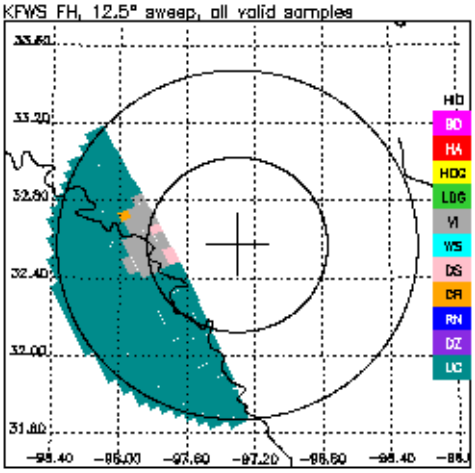
DPR/2ADPR RR, 12.5° sweep, ≥70% bins above thresh



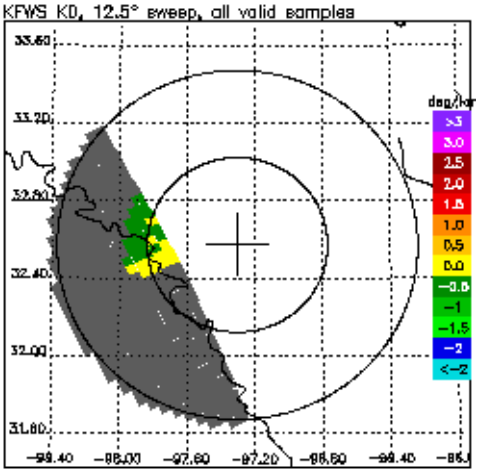
KFWS DP RR, 12.5° sweep, ≥70% bins above threshold



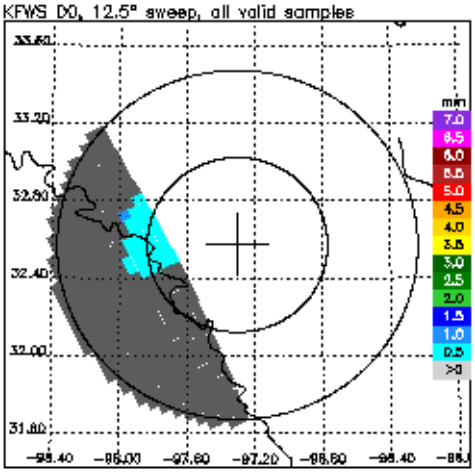
KFWS FH, 12.5° sweep, all valid samples



KFWS KD, 12.5° sweep, all valid samples



KFWS DO, 12.5° sweep, all valid samples



KFWS RH, 12.5° sweep, all valid samples