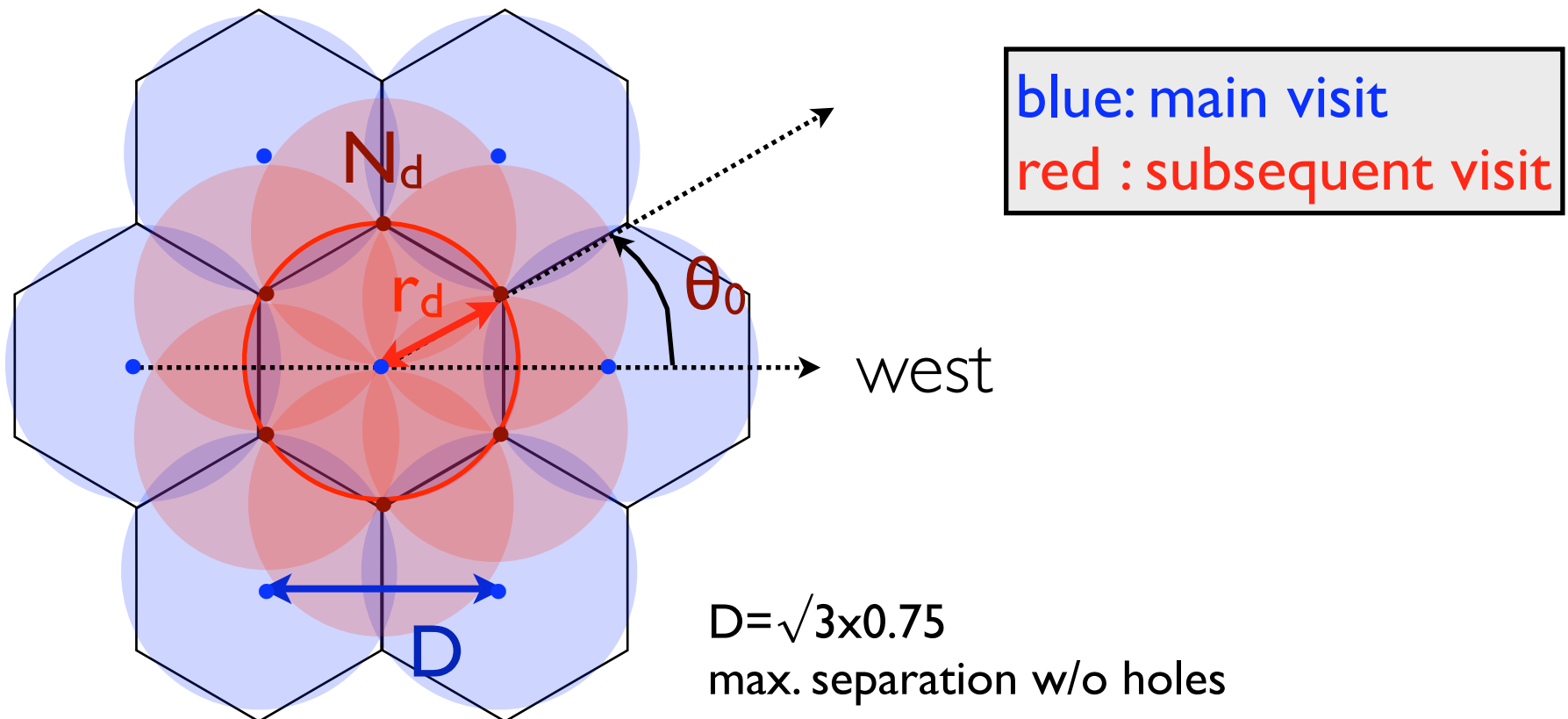


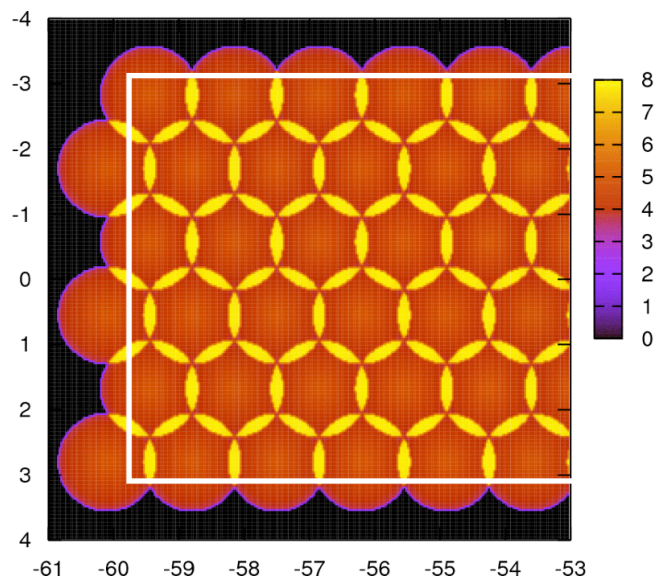
## 4 Free parameters to configure the survey tiling for Wide Survey

1. Separation of main visit :  $D = \sqrt{3} \times R_{\text{FoV}}$
2. Radius of subsequent visits :  $r_d = 0.6$
3. Number of subsequent visits associated to one main visit :  $N_d = 6$
4. Angle of reference subsequent visit from west :  $\theta_0 = 30$

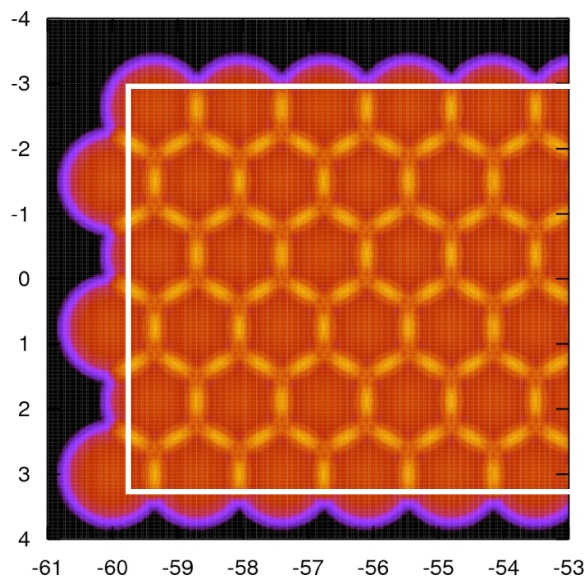


$$D = \sqrt{3} \times 0.75$$

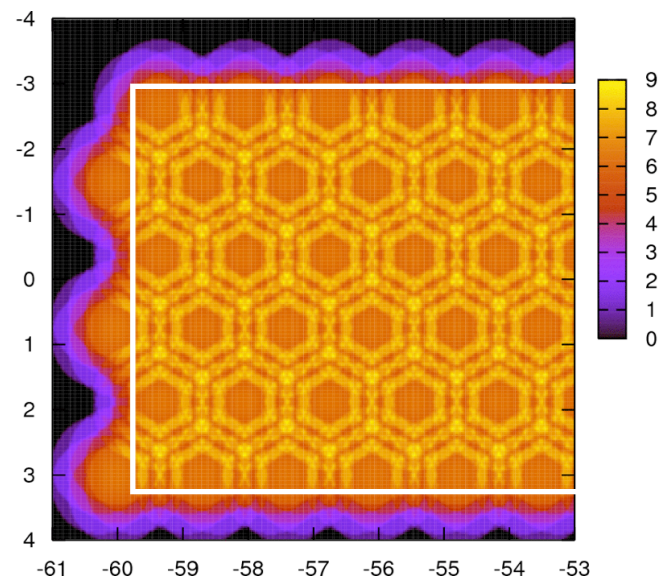
no dither



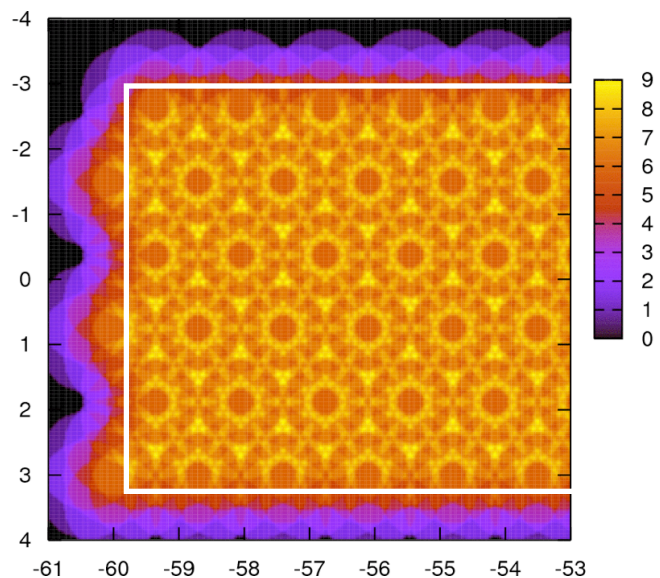
rd=0.1 deg



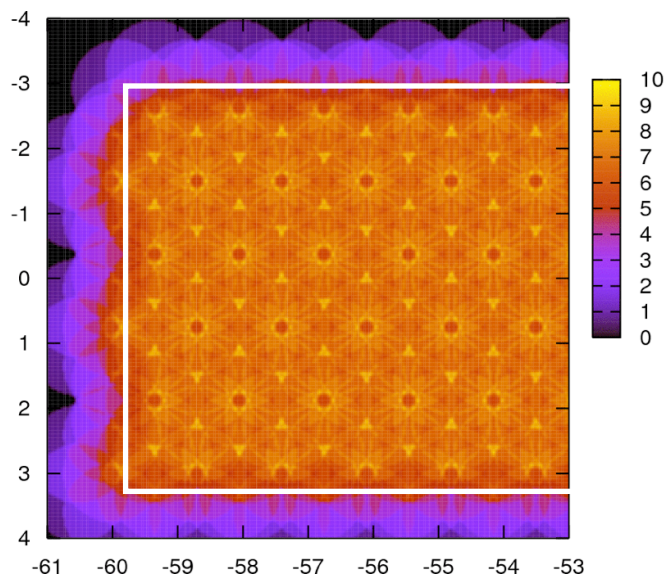
rd=0.3 deg



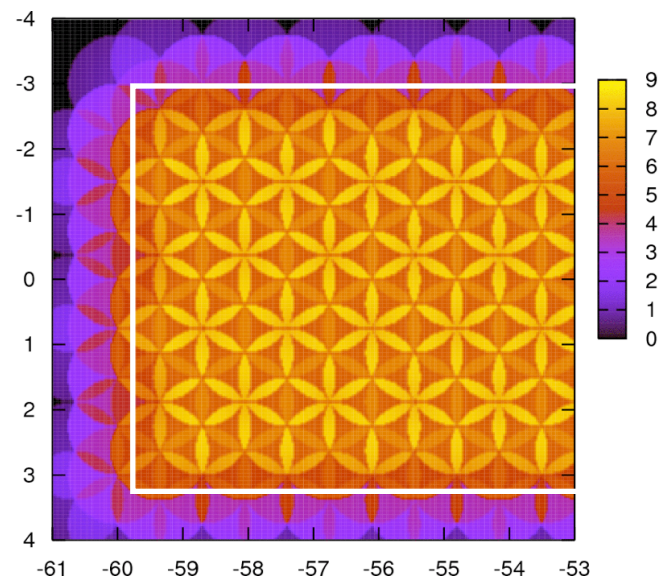
rd=0.45 deg



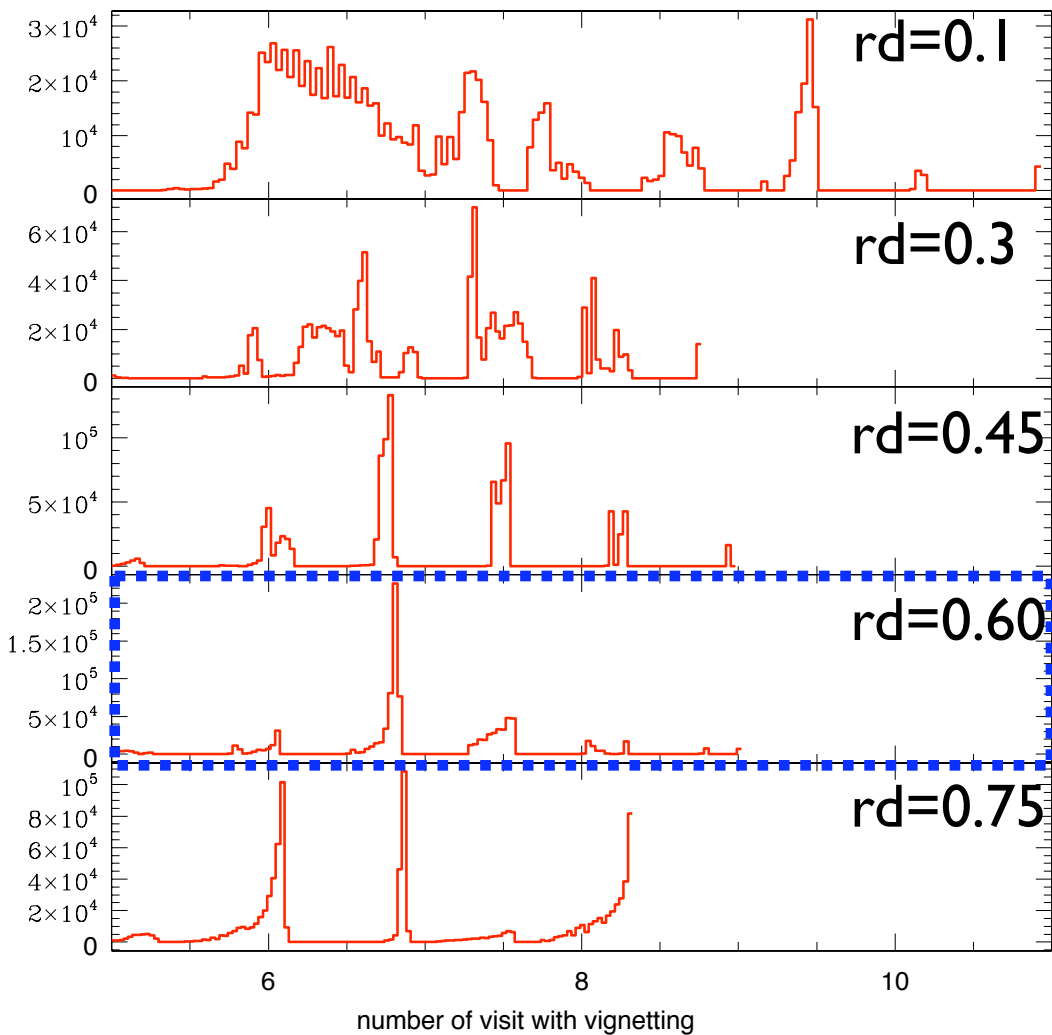
rd=0.60 deg



rd=0.75 deg



$D = \sqrt{3 \times 0.75} [\text{deg}]$ ,  
 $N_d = 6$ ,  
 $\theta_0 = 30 [\text{deg}]$

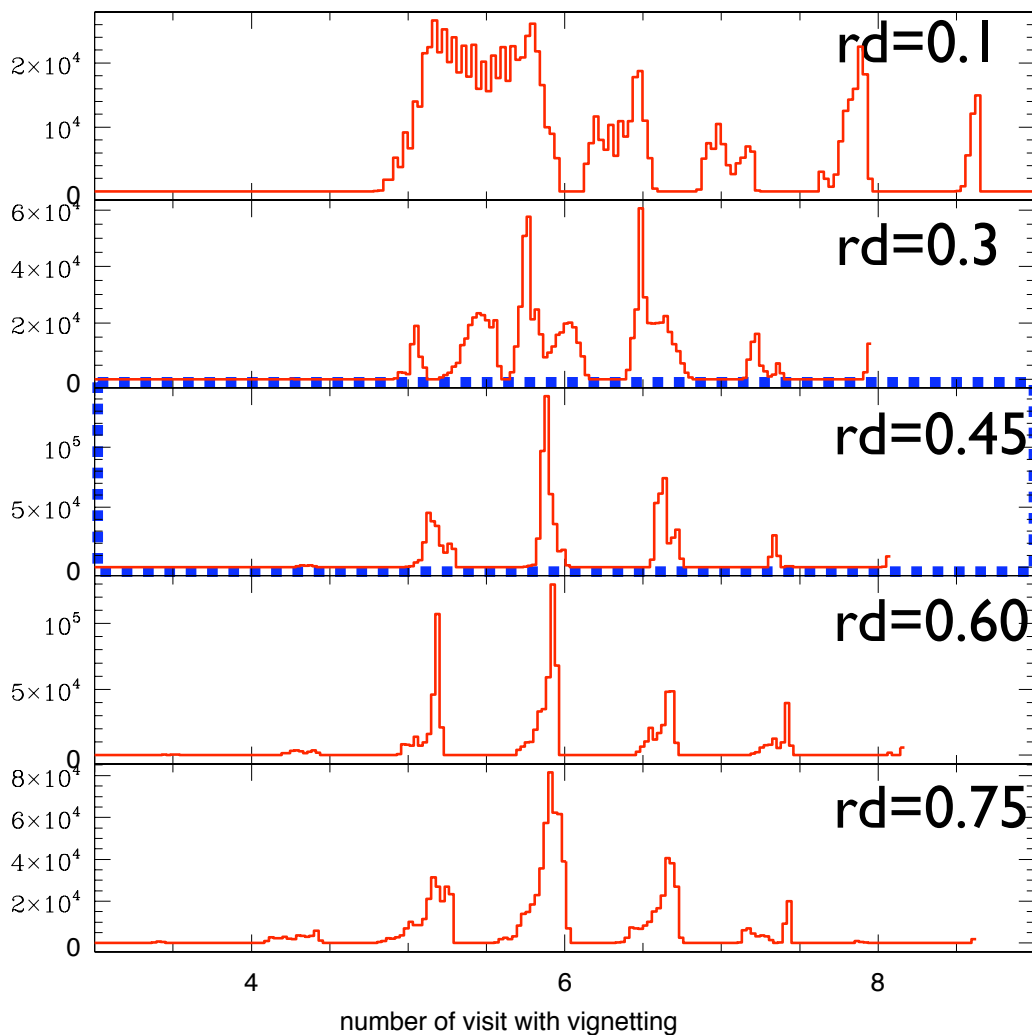


effective # of visit	# of shot to be taken	Number of nights for 720 deg <sup>2</sup>	shallower region rate
6.0	3906	160	11%
6.25	3096	154	11%
6.05	3096	159	12%
6.5	3096	149	12%
5.8	3096	165	9.4%

overhead = 15 sec/exp.  
 weather fact. = 0.7



$D = \sqrt{3 \times 0.75} [\text{deg}]$ ,  
 $N_d = 5$ ,  
 $\theta_0 = 30 [\text{deg}]$

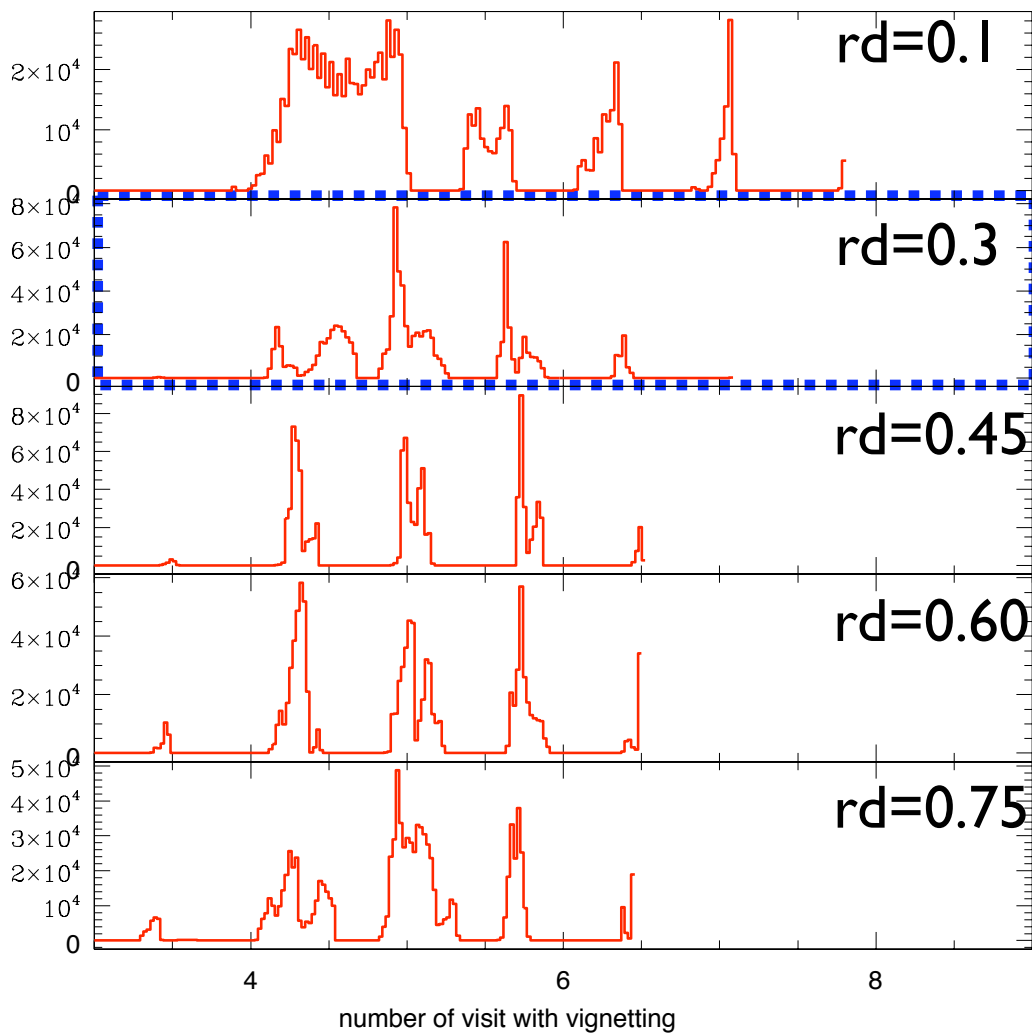


effective # of visit	# of shot to be taken	Number of nights for 720 deg <sup>2</sup>	shallower region rate
5.15	3348	157	11%
5.4	3348	150	12%
5.15	3348	157	8.9%
5.15	3348	157	10%
5.12	3348	158	10%

overhead = 15 sec/exp.  
 weather fact. = 0.7



$D = \sqrt{3 \times 0.75} [\text{deg}]$ ,  
 $N_d = 4$ ,  
 $\theta_0 = 30 [\text{deg}]$



effective # of visit	# of shot to be taken	Number of nights for 720 deg <sup>2</sup>	shallower region rate
4.28	2790	156	11%
4.42	2790	151	9.9%
4.28	2790	156	15%
4.26	2790	157	11%
4.22	2790	158	10%

overhead = 15 sec/exp.  
 weather fact. = 0.7

