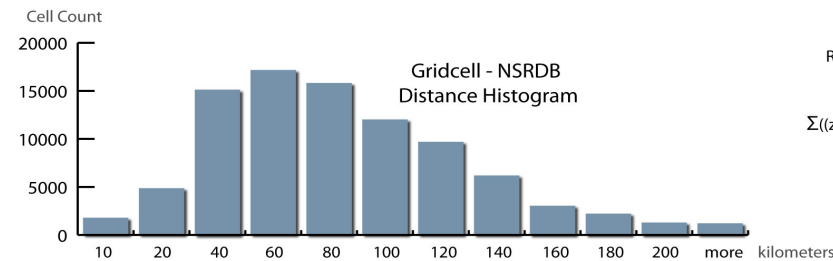


NSRDB Used Unused Gridcell Assignment  
Class 1 65,291 ~ 72%  
Class 2 25,178 ~ 28%

Normalization										Spatial Variance				Weights (%)				
Elevation Delta (meters)				Distance (kilometers)				NSRDB Uncertainty (%)				Coefficient of Variation (%)				Distance	Uncertainty	Elevation
0	-	4	... 10	0	-	8	... 10	0	-	2	... 10	0	-	1.06	...	18.41	66.09	15.5
4	-	16	... 9	8	-	11	... 9	2	-	4	... 9	1.06	-	1.62	...	22.09	63.91	14
16	-	31	... 8	11	-	18	... 8	4	-	6	... 8	1.62	-	2.26	...	26.51	60.99	12.5
31	-	63	... 7	18	-	26	... 7	6	-	9	... 7	2.26	-	3	...	31.82	57.18	11
63	-	125	... 6	26	-	39	... 6	9	-	13	... 6	3	-	3.88	...	38.18	52.32	9.5
125	-	250	... 5	39	-	58	... 5	13	-	18	... 5	3.88	-	4.96	...	45.18	46.19	8
250	-	500	... 4	58	-	85	... 4	18	-	25	... 4	4.96	-	6.4	...	54.98	38.52	6.5
500	-	1000	... 3	85	-	129	... 3	25	-	35	... 3	6.4	-	8.28	...	65.97	29.03	5
1000	-	2000	... 2	129	-	193	... 2	35	-	50	... 2	8.28	-	11.06	...	79.17	17.33	3.5
>2000	-		... 1	>193	-		... 1	NA	-		... 1	>11.06	-		...	95	3	2



Analysis Concept

Return 5 closest NSRDB < 350km  
Normalize then Maximize a  
where W is the weight and a =

$$\sum ((z(i,j) \cdot zW) + (u(j) \cdot uW) + (d(i,j) \cdot dW))$$

i gridcell  
j nsrdb  
z(i,j) elevation delta  
u(j) uncertainty  
d(i,j) distance