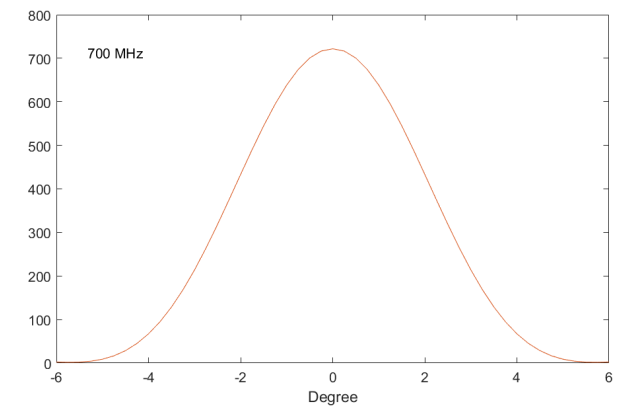
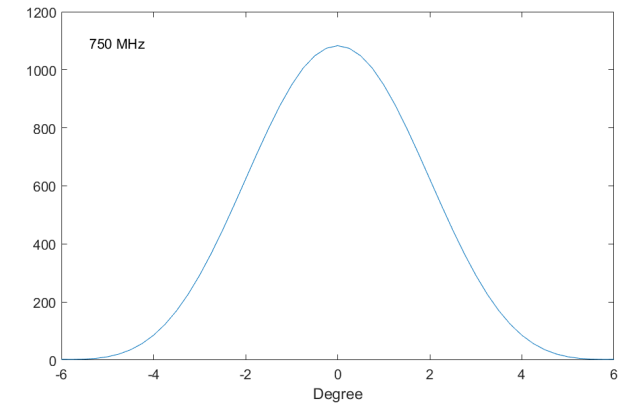
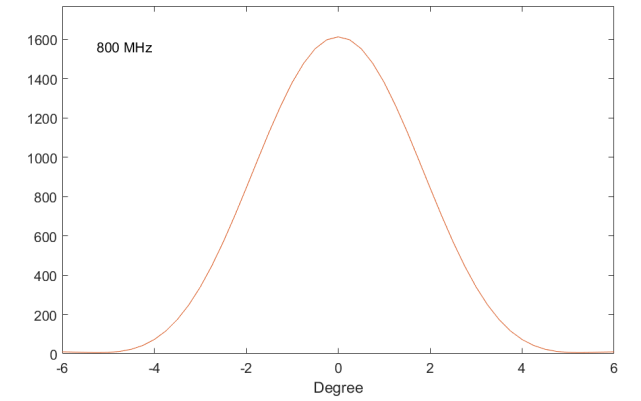
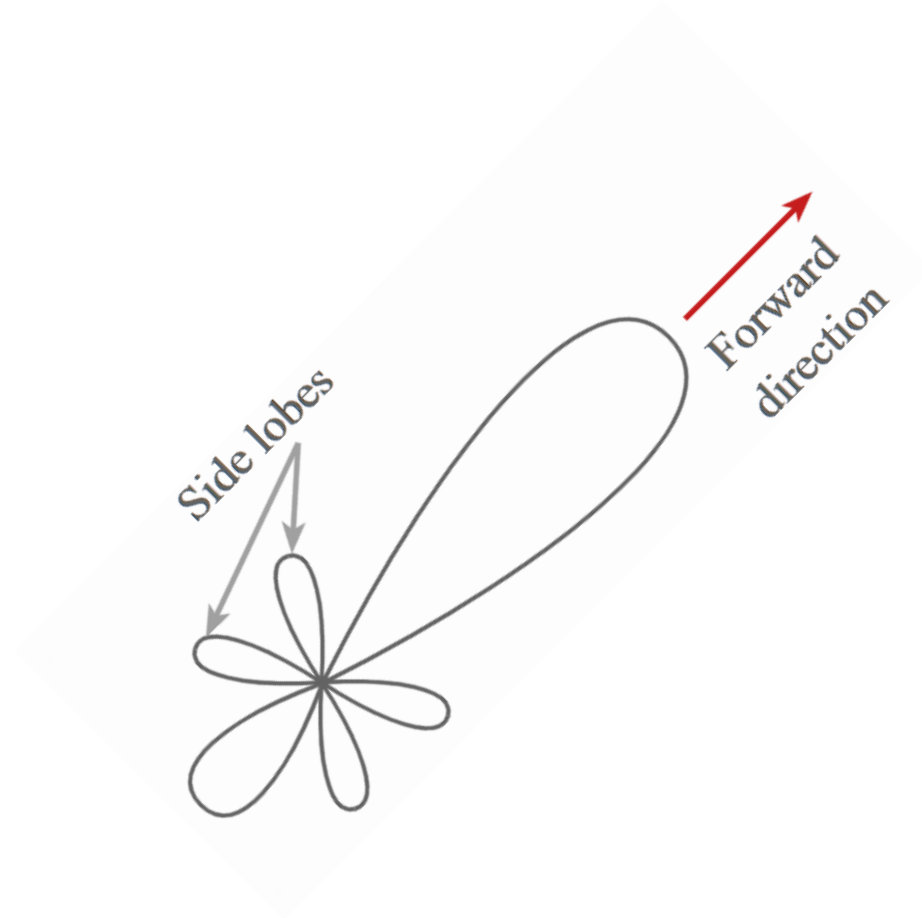


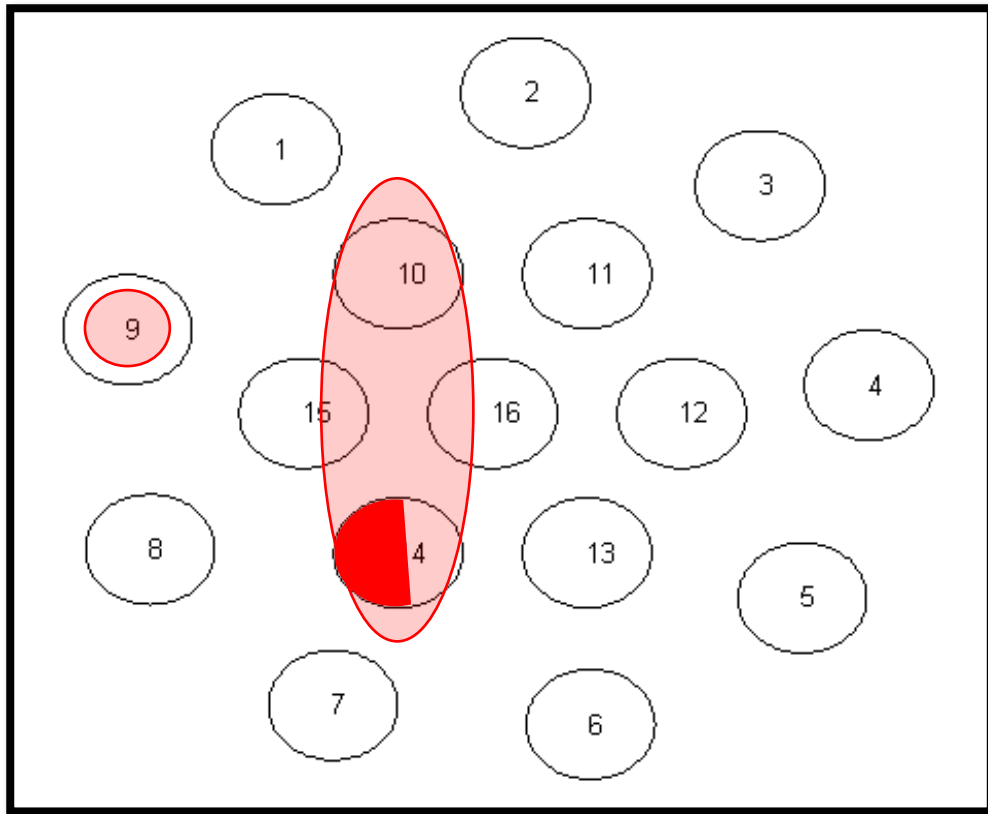
Simulated Beam Pattern for Tianlai Dish array

Santanu Das

Our group members **Kevin** and **Celeste** calculated the theoretical beam pattern for the dishes. They are now working on the cylinder array.

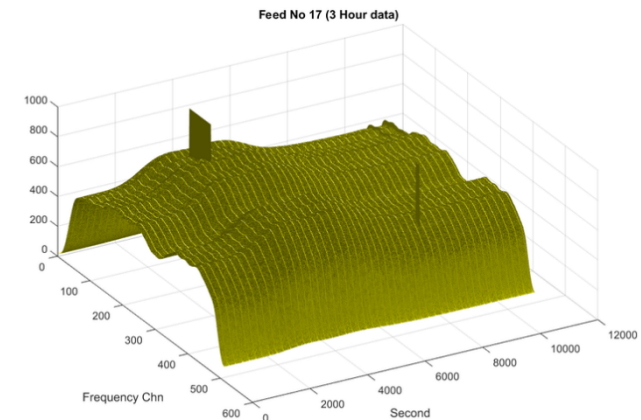
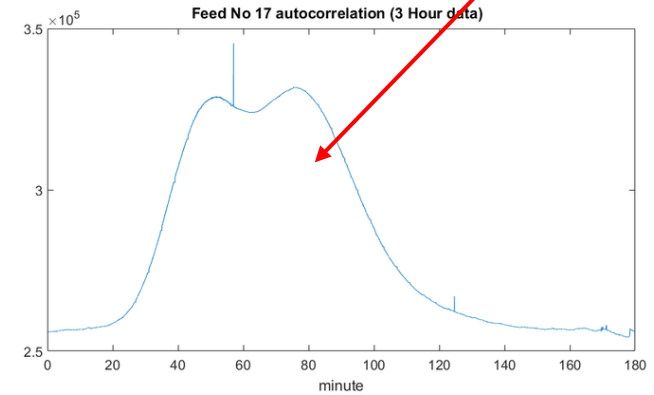


Auto-correlation Signals

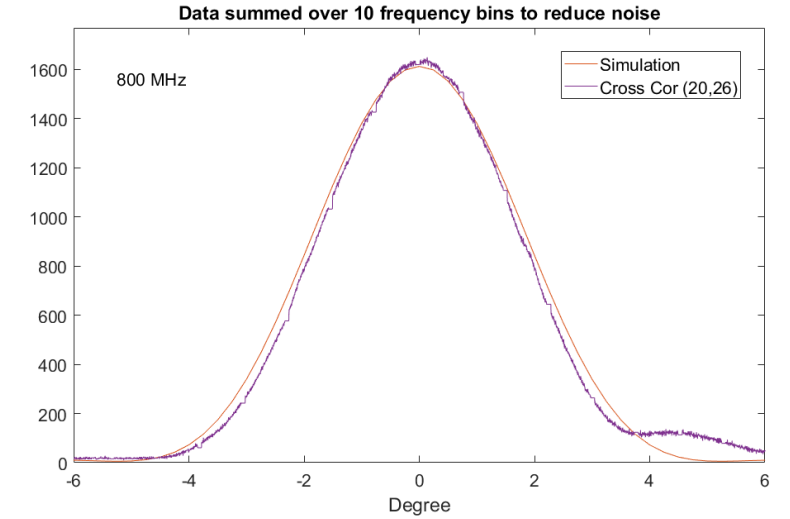
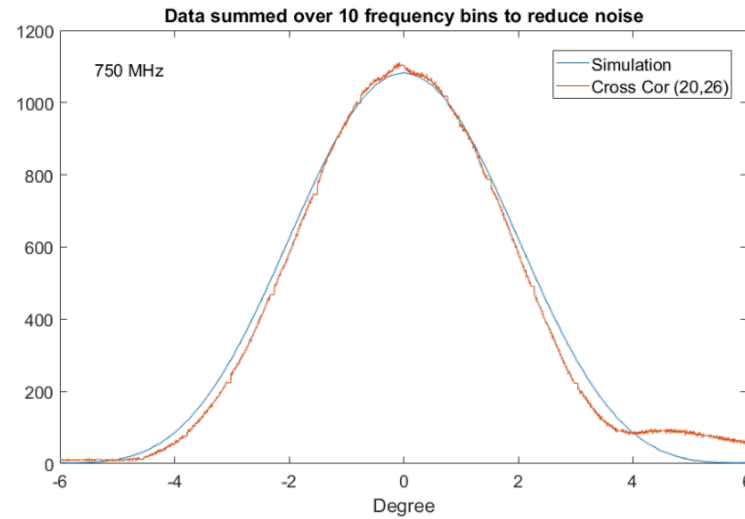
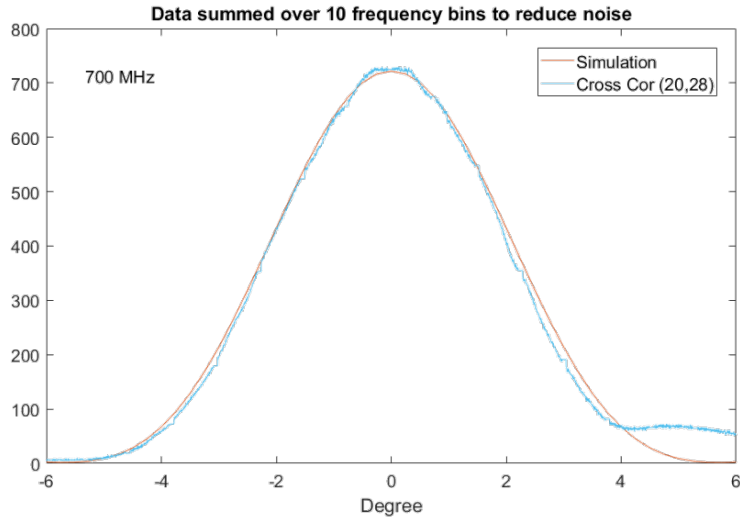


The East-Waste separation between these two dishes are just 0.013 m. So beam pattern will be same as single dish.

Cygnus X ??



Fit between Cygnus A data and simulated beam



Data files can be downloaded from :

[http://tianlai.bao.ac.cn/wiki/index.php/Data_201605-06_\(NP_Data_and_Sun_CygnusA_Data\)#Simulated_Beam_Pattern_for_Dish_array_.28by_Kevin_and_Celeste.29](http://tianlai.bao.ac.cn/wiki/index.php/Data_201605-06_(NP_Data_and_Sun_CygnusA_Data)#Simulated_Beam_Pattern_for_Dish_array_.28by_Kevin_and_Celeste.29)

Thank You