

# Scale model of Tianlai cylinder

- Scale by factor of 8: 15 m x 40 m → 1.83 m x 5 m
- Focal length = 0.56 m ( $f/D = 0.32$ )
- Construct from styrofoam sheets glued to styrofoam 'ribs'. Attach aluminum foil with spray adhesive, join seams with Al tape.
- 'Coffee can' feeds are  $\sim 300/8 = 37.5$  mm in dia: PCB's for dipoles. Use small coax.
- Beam map outdoors on old 'Compass' rotating platform or use hexacopter with RF source.

