## Design Chart for Geodesic Parabola Antenna Yoshiyuki Takeyasu / JA6XKQ

For your convenience, design chart for Geodesic Parabola Antenna is supplied here.

Dimensions of the antenna is calculated for various f/D ratio with normalized diameter. If you want to construct an antenna in different diameter, just multiply the dimensions by the scale factor of 1-meter and your size.

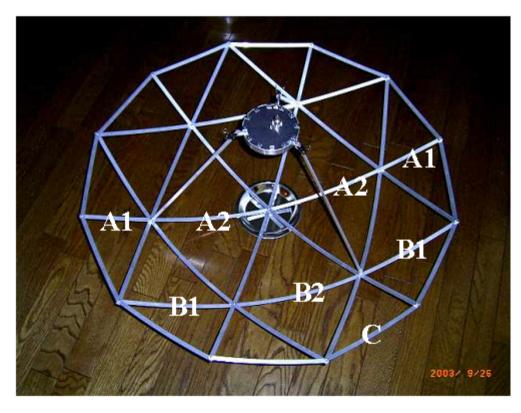
Photo –1 shows the definition of dimensions.

Diame- ter	1000 mm						
f/D	0.3	0.35	0.4	0.45	0.5	0.55	0.6
A1 (mm)	181	190	196	200	202	204	205
A2 (mm)	372	349	335	325	318	313	309
B1 (mm)	284	286	287	288	288	289	289
B2 (mm)	356	340	328	320	314	310	306
C (mm)	259	259	259	259	259	259	259

## Design example

$$\begin{array}{ll} Diameter = 800 \ mm \\ & then \\ f/D = 0.5 \end{array}$$

- eof -



**Photo** −1 : Definition of dimensions