

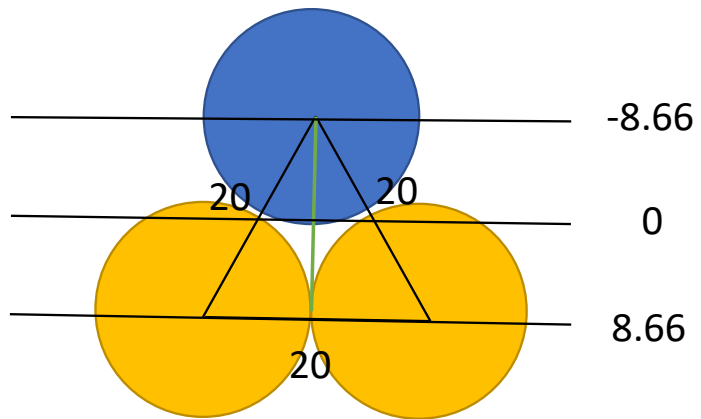
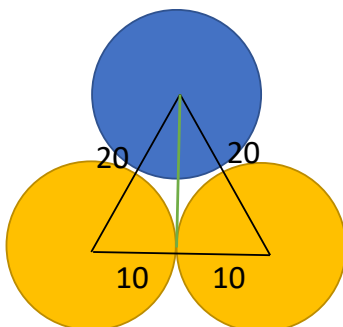
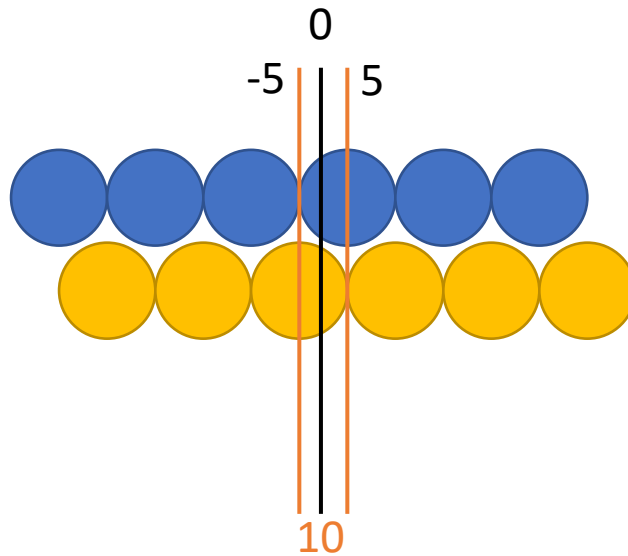
MS-12H90

MS-12L180						
Top Row	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6
Azimuth	-55	-35	-15	5	25	45
Elevation	(-8.7) Pointing Up					
Bottom Row	Beam 7	Beam 8	Beam 9	Beam 10	Beam 11	Beam 12
Azimuth	-45	-25	-5	15	35	55
Elevation	(8.7) Pointing Down					

$120/6 = 20$ degrees per beam

$20/2 = 10$ degree

Shift = $10/2 = 5$



Elevation tilt to keep
Distance 20 degrees
between all centers:
 $\sqrt{20*20 - 10*10}$
 $= \sqrt{300} = 17.3$