At-
aca
cama
Com-
pact
Ar-
ray
Morita
Ar-
ray
AEM
(DA)
12m
Vertex
(DV)
12m
MELCO
(PM)
12m
y
7m
base-
line
??
X
Y
$_B6antennas1.png DistribucindeantenasparaelmuestrodelobjetoHLTaurienbanda6.Fuente: Elaboracinpropia.$
$_B6antennasCenter.png CentrodeladistribucindeantenasparaelmuestrodelobjetoHLTaurienbanda6.Fuente: Elaboracinpr$
ar-
ray
H
δ
H
$360/24 =$
15
S
+90
−90
??
X
X
X
Y
H
δ
(X, Y, Z)
??
(X, Y, Z)
H
δ
(X, Y, Z)
(u, v, w)
(u, v, w)
S
H
δ
S
H
(u, v)

$$uvw = \sin H \cos H 0 -\sin \delta \cos H \sin \delta \sin H \cos \delta \cos \delta \cos H -\cos \delta \sin H \sin \delta XYZ$$
(1)
(X, Y, Z)

$$XYZ = D \cos d \cos h -\cos d \sin h \sin d$$
(2)
(H, δ)
base-
line
D
(h, d)
base-
line
??

$$uvw = D \cos d \sin(H - h) \sin d \cos \delta -\cos d \sin \delta \cos(H - h) \sin d \sin \delta +\cos d \cos \delta \cos(H - h)$$
(3)
(D, h, d)
E
az-
imuth
A
D
??
L

$$\sin d = \sin L \sin e +\cos L \cos e \cos A$$
(4)

$$XYZ = D \cos L \sin E -\sin L \cos E \cos A \cos E \sin A \sin L \sin E +\cos L \cos E \cos A$$