

1. Configuración de conexiones generales: Pase de Sol (Feb 2014)

Radio Observatorio de Jicamarca - Instituto Geofísico del Perú - Lima, Perú

Pase de Sol
Feb2014, Feb2013

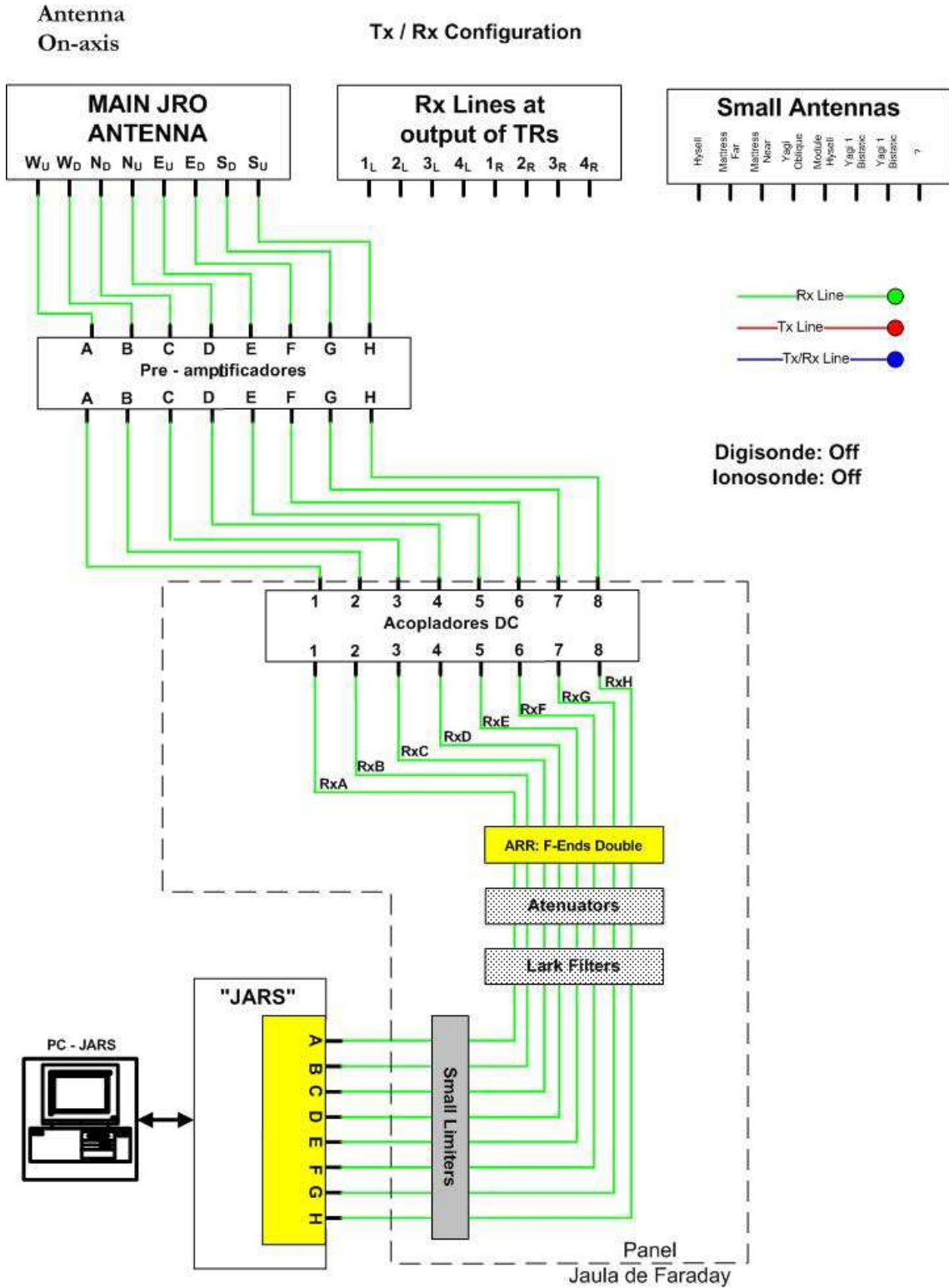


Figura 1

2. Enfasamiento de módulos en antena principal

Pase de Sol
Antena : On - axis
Jicamarca: Feb2014, Feb2013

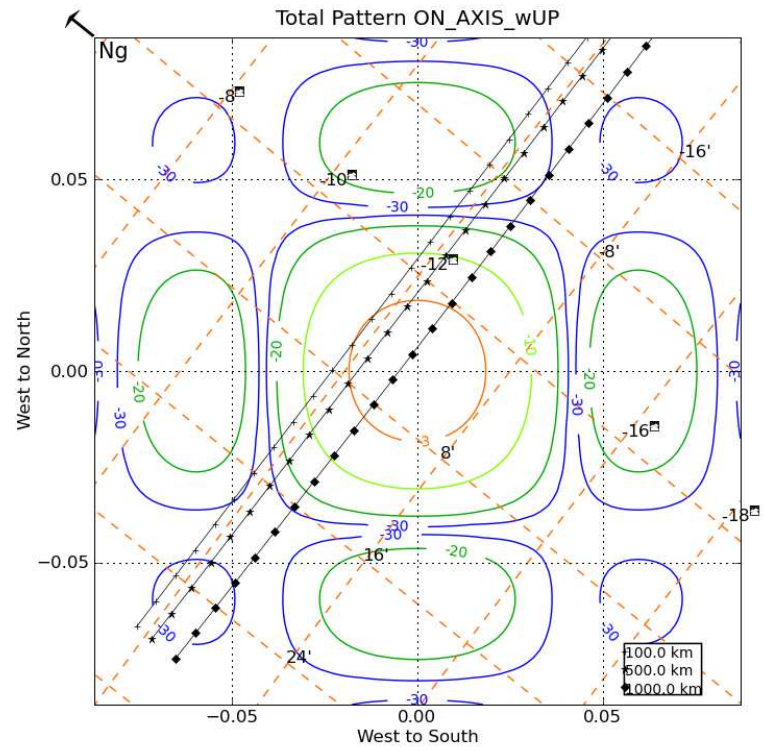
Main Antenna Phasing

North Quarter				East Quarter			
4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2
4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2
4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2
4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2

West Quarter				South Quarter			
5/3	5/3	5/3	5/3	5/3	5/3	5/3	5/3
5/3	5/3	5/3	5/3	5/3	5/3	5/3	5/3
5/3	5/3	5/3	5/3	5/3	5/3	5/3	5/3
5/3	5/3	5/3	5/3	5/3	5/3	5/3	5/3

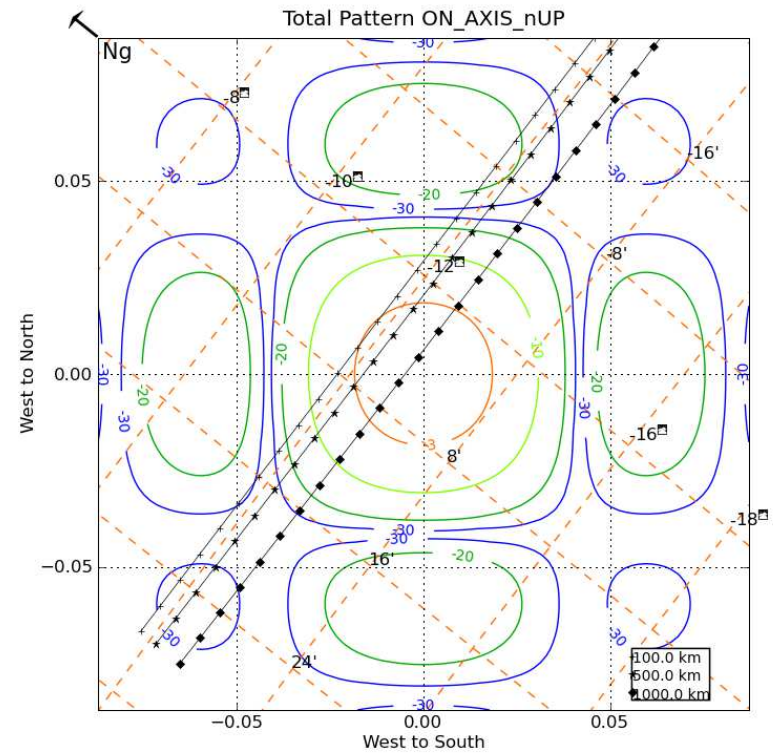
Figura 2

3. Patrones de antena



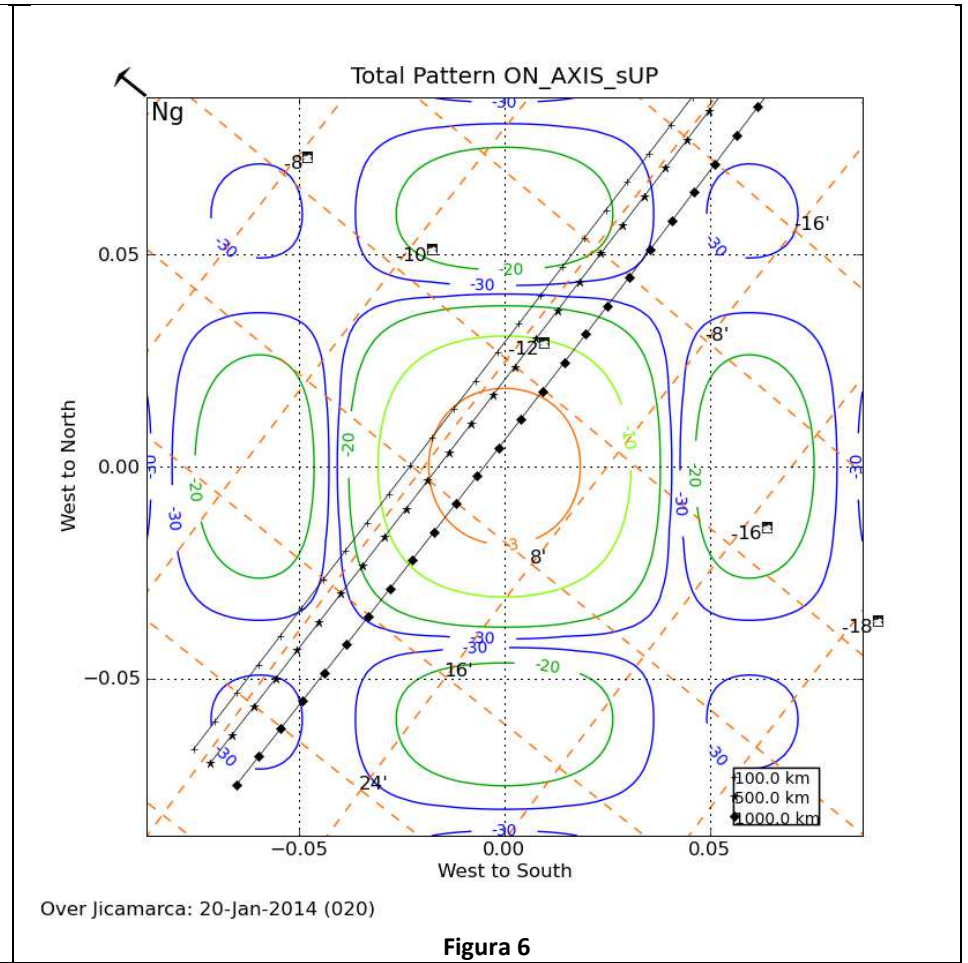
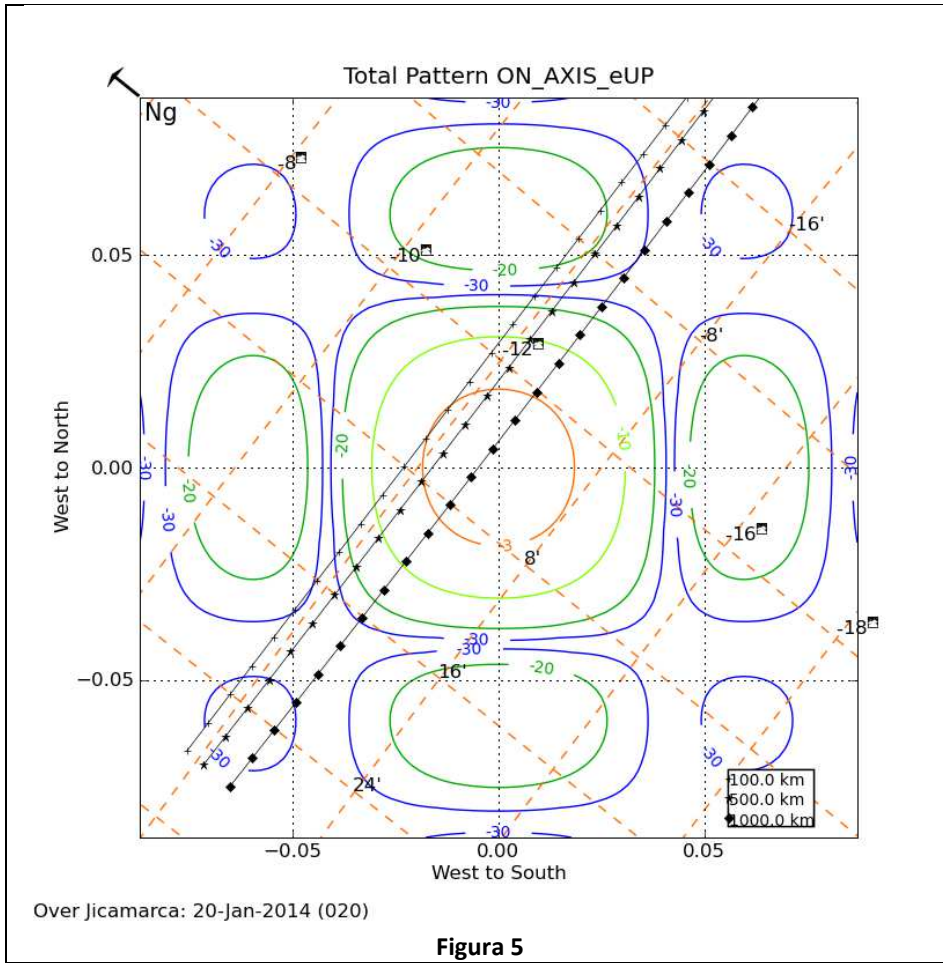
Over Jicamarca: 20-Jan-2014 (020)

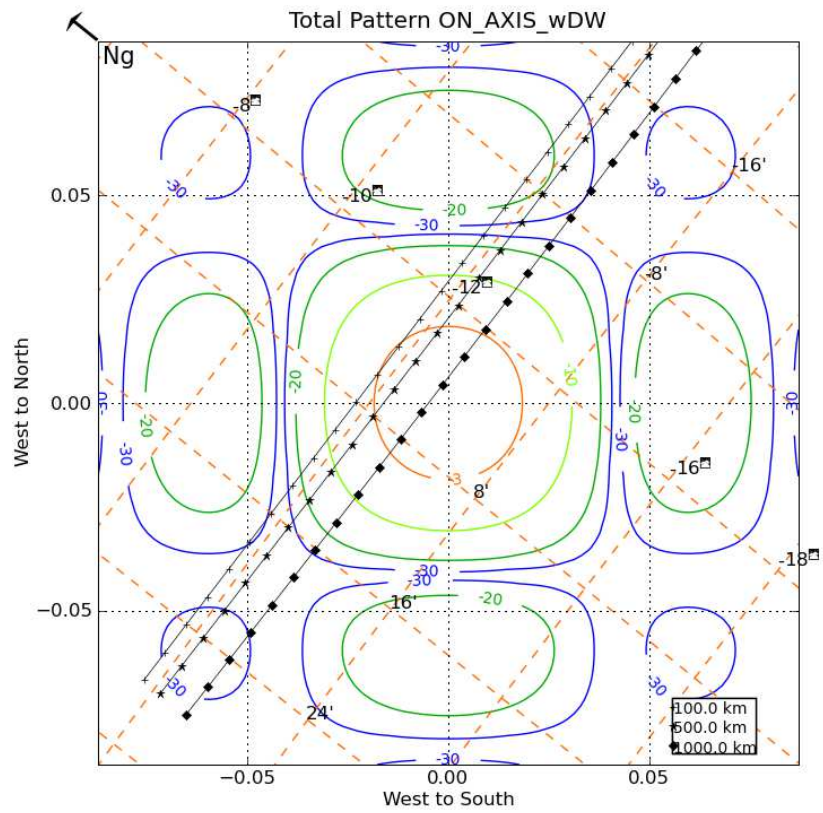
Figura 3



Over Jicamarca: 20-Jan-2014 (020)

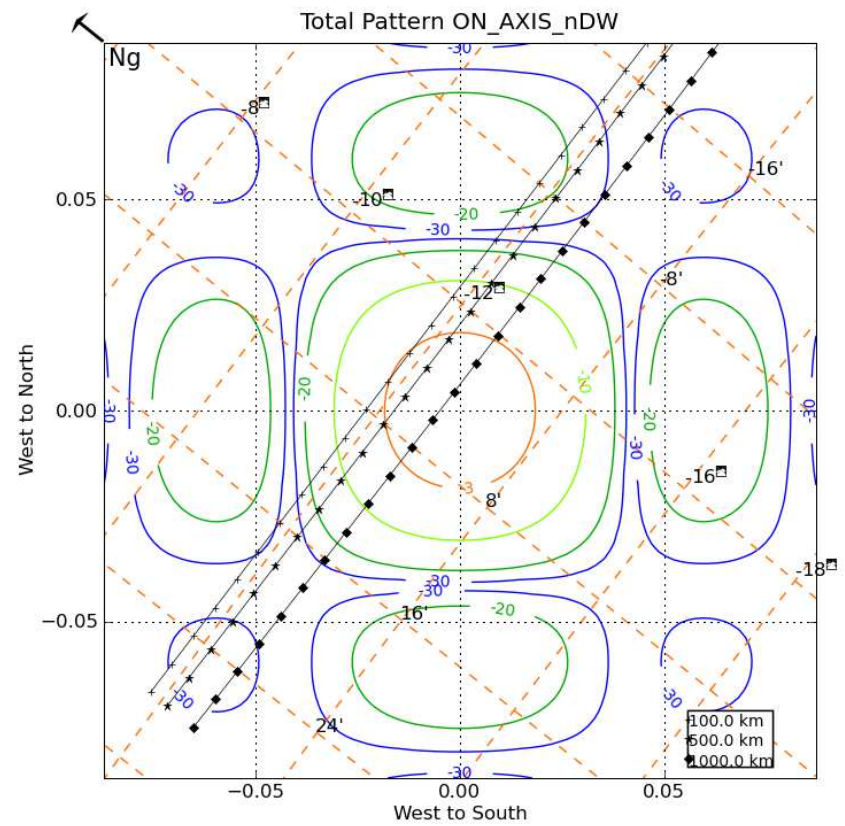
Figura 4





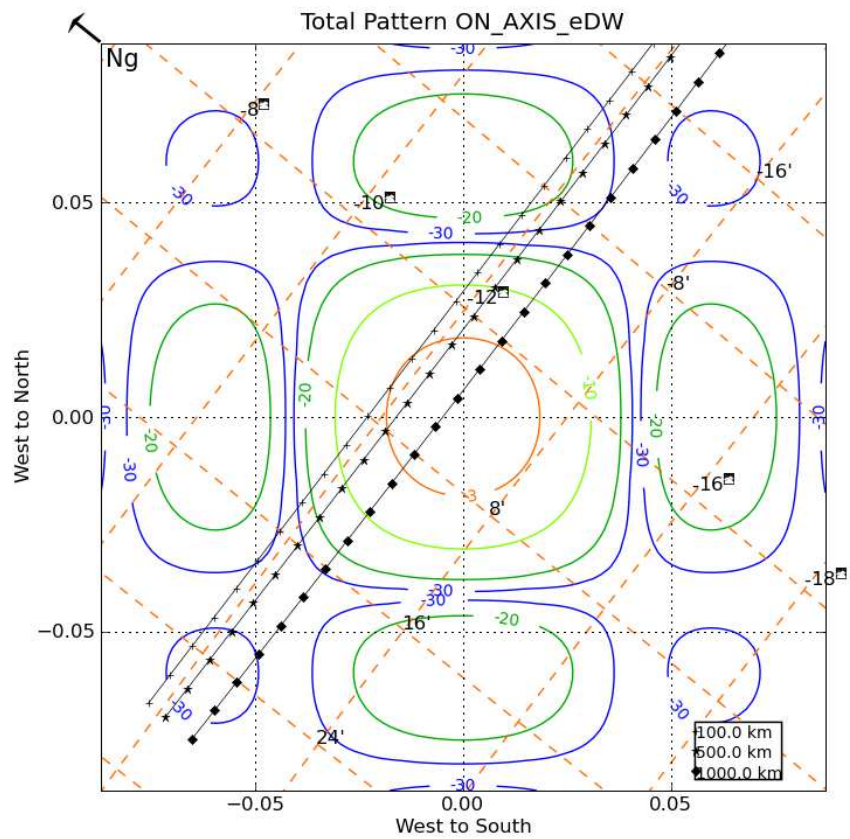
Over Jicamarca: 20-Jan-2014 (020)

Figura 7



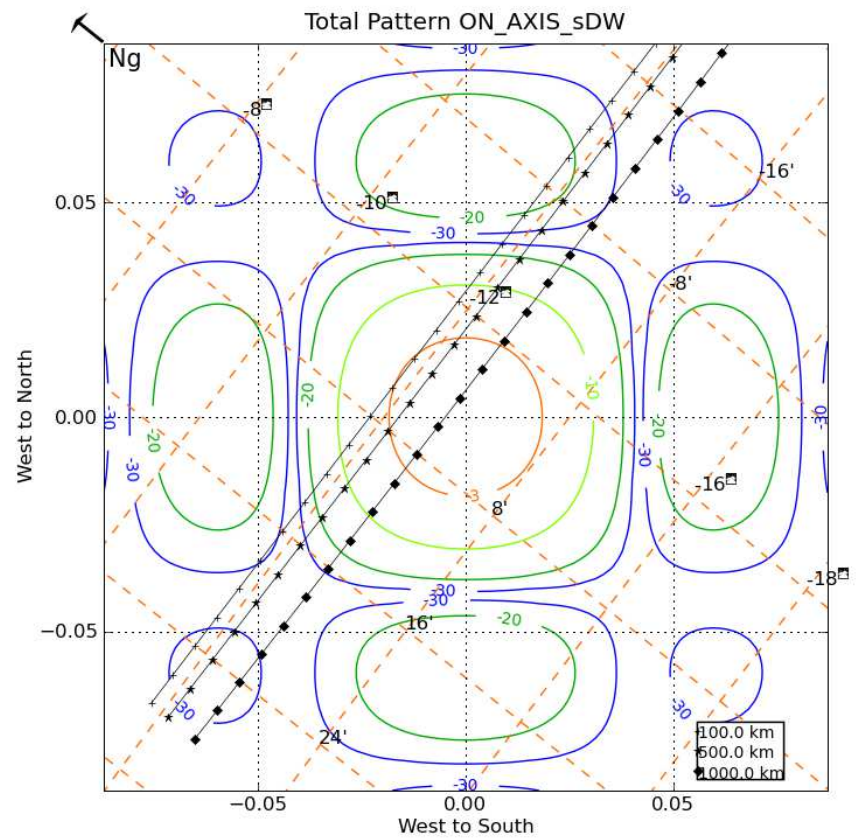
Over Jicamarca: 20-Jan-2014 (020)

Figura 8



Over Jicamarca: 20-Jan-2014 (020)

Figura 9



Over Jicamarca: 20-Jan-2014 (020)

Figura 10

4. Conexión de equipos en sala de Operaciones

4.1. Reloj y sincronismo

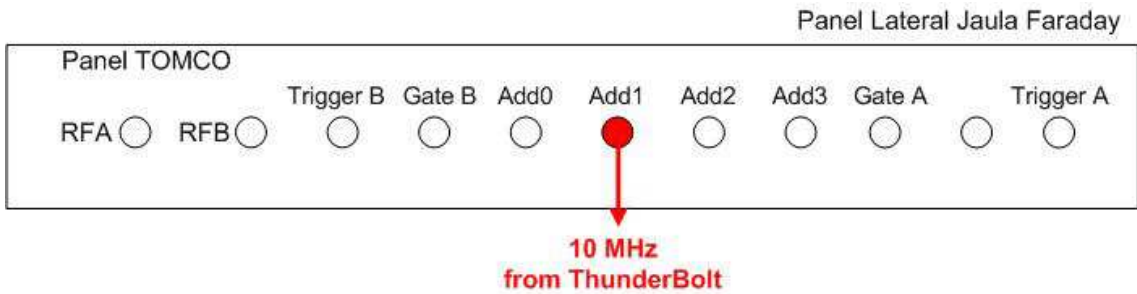


Figura 11

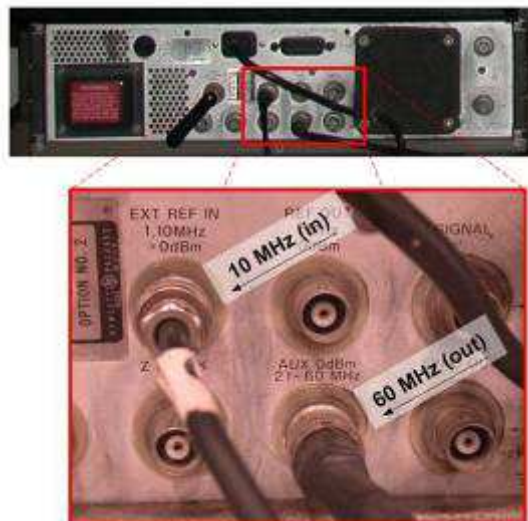


Figura 12 (Panel Posterior HP)

Ingreso de 10MHz de ThunderBolt y Salida de 60MHz

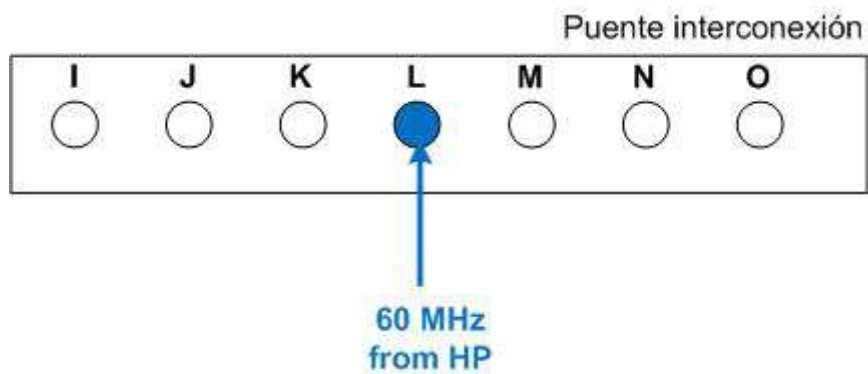
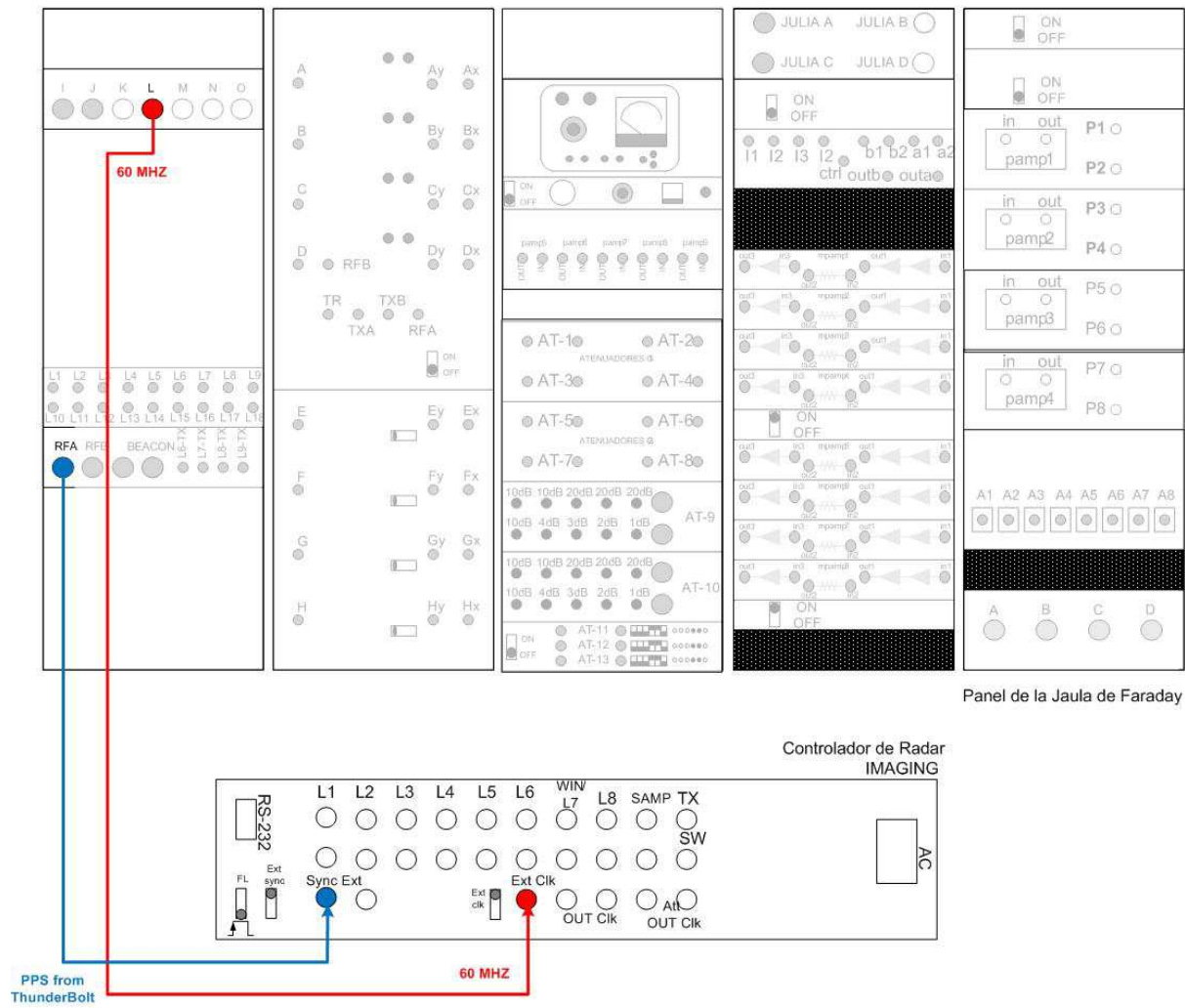


Figura 13



Panel de la Jaula de Faraday

Figura 14 Pulso de sincronismo para sistema desde ThunderBolt

4.2. Adquisición

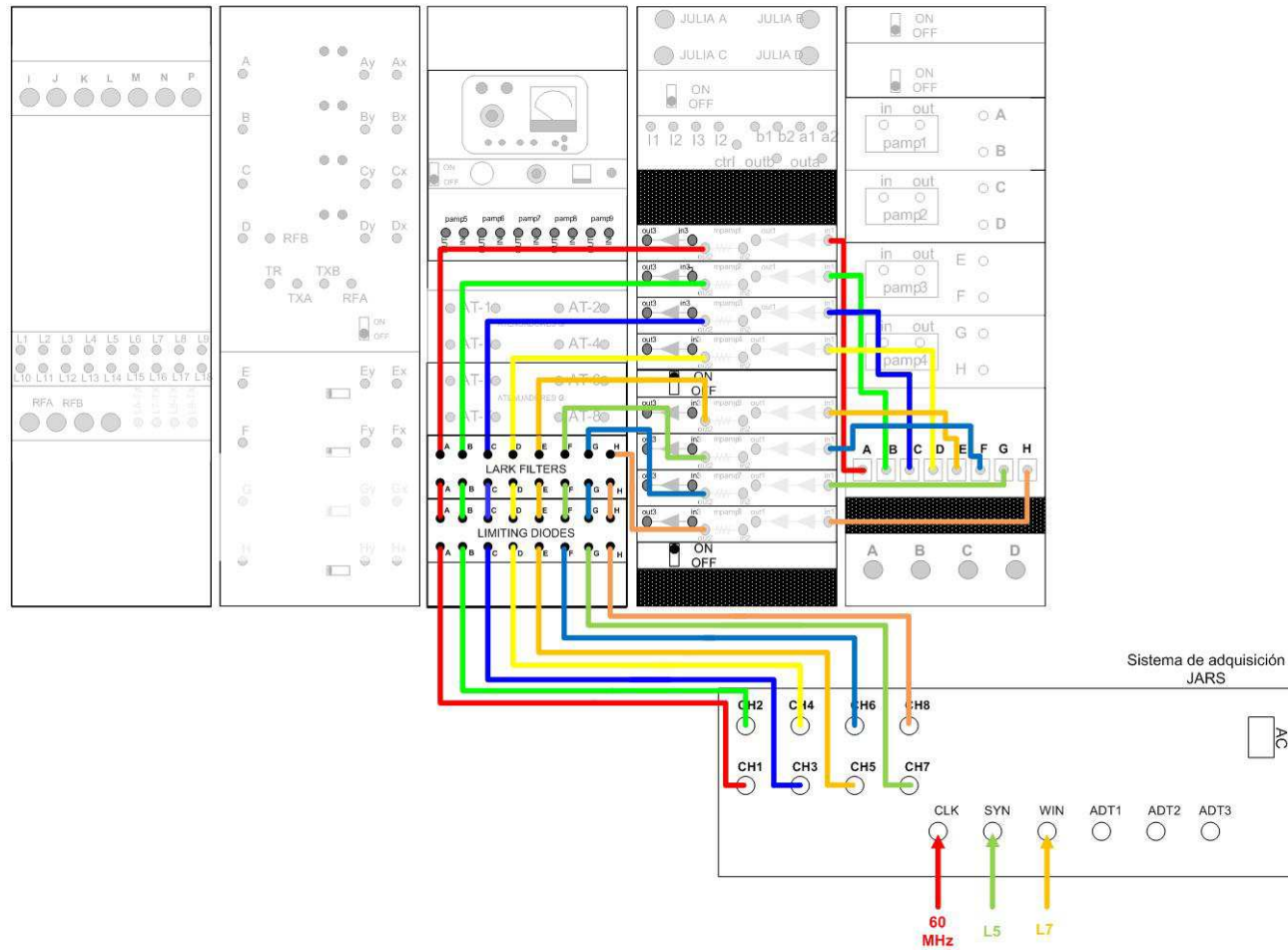


Figura 15

5. Resumen de experimento

Experiment	Pase de Sol	
Horario	10:00 - 13:00	08:00 - 10:00, 13:00 - 18:00
Sist. Adq (PC)	JARS	
Sincronismo	PPS de ThunderBolt	
NTXs	1	1
IPP	937.5 km	9375 km
TXA	NO	NO
TXB	NO	NO
BEACOM	NO	NO
Synchro	1.95 – 2.25 km	1.95 – 2.25 km
Sampling Window	H0 = 70.05 km DH = 0.15 km NSA = 5120	H0 = 70.05 km DH = 1.5 km NSA = 5120
Chs	A : Wu, B : Wd, C: Nd, D : Nu, E : Eu, F : Ed, G : Sd, H : Su	
Type of data	Raw data	Raw data
NumProf	160	16
BlockPerFile	20	200
TXs	NO	NO