

Figure 1

2. Main antenna phasing

Oblique & Perpendicular 150kM Beam 3 March 2026

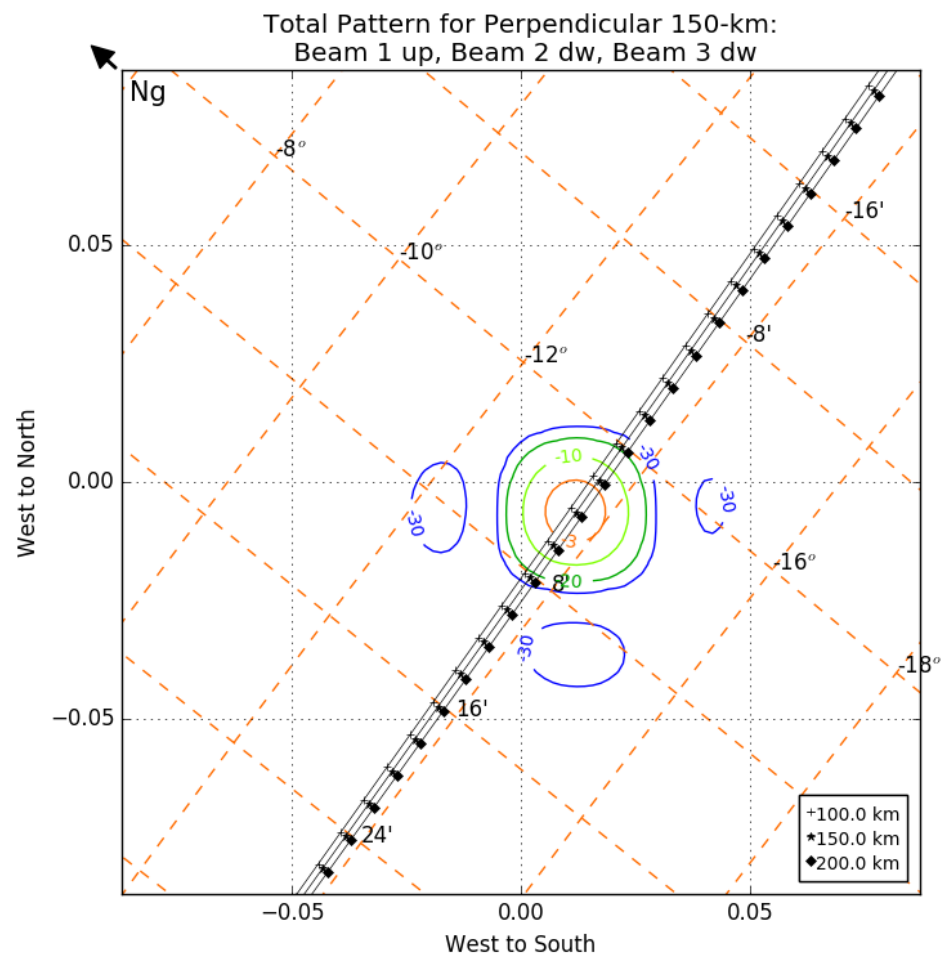
North Quarter				East Quarter			
0.0	0.0	0.0	3.5	0.5	0.5	0.5	0.5
1.5	2.0	2.0	2.0	3.5	4.0	4.0	4.5
3.5	3.5	3.5	3.5	0.5	0.5	0.5	0.5
1.5	2.0	2.0	2.5	0.0	0.0	0.5	0.5
3.5	3.5	3.5	3.5	0.5	0.5	0.5	0.0
2.0	2.0	2.5	2.5	0.0	0.5	0.5	1.0
3.5	3.0	3.0	3.0	0.0	0.0	0.0	0.0
2.0	5.0	2.5	3.0	0.0	0.5	1.0	1.0
West Quarter				South Quarter			
1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
0.0	0.5	1.0	1.0	0.0	0.5	1.0	1.0
1.0	0.5	0.5	0.5	3.5	3.5	3.5	3.5
0.0	0.5	0.5	1.0	0.5	0.5	1.0	1.0
0.5	0.5	0.5	0.5	3.5	3.5	3.5	3.5
0.5	0.5	1.0	1.0	0.5	1.0	1.0	1.5
0.5	0.5	0.5	0.5	3.5	3.5	3.5	3.5
0.5	1.0	1.0	1.5	1.0	1.0	1.5	1.5

With ABS: <http://10.10.20.128:8030/abs/484/>

11-03-2026

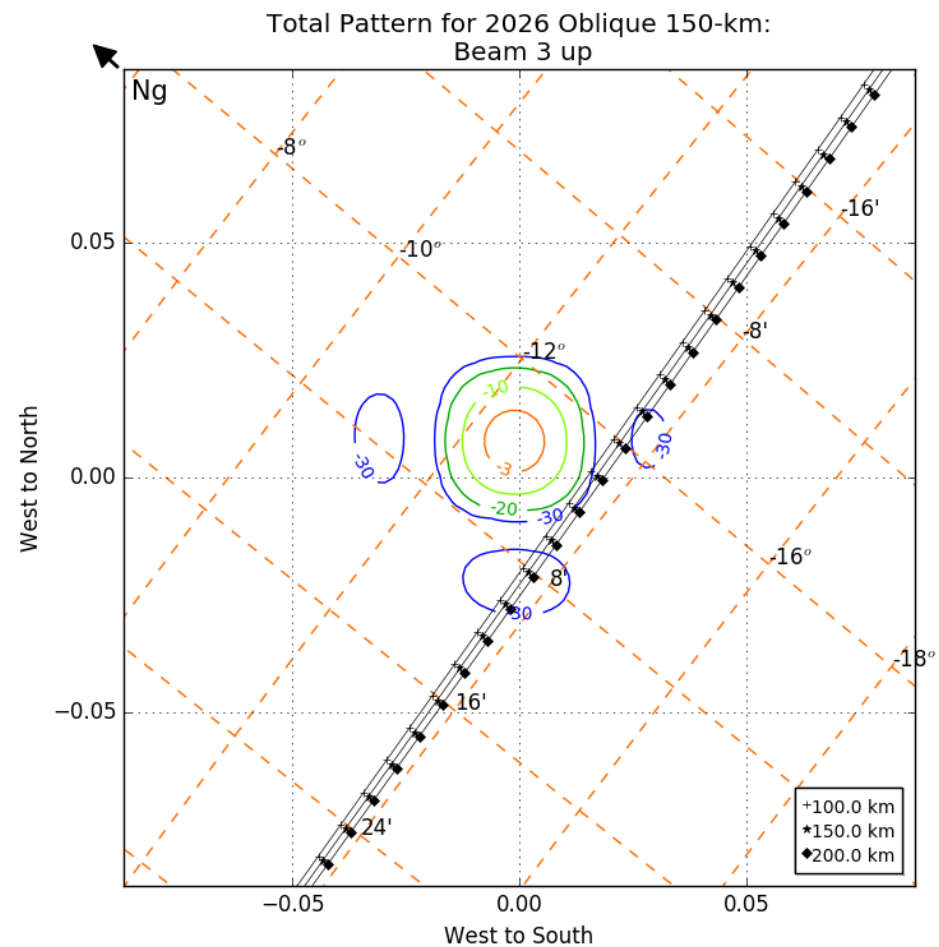
Figure 2

3. Antenna pattern



Over Jicamarca: 10-Mar-2026 (069)

Figure 3



Over Jicamarca: 10-Mar-2026 (069)

Figure 4

SKY BRIGHTNESS AT 50Mhz - Date: 11-Mar-2026 (070)
Galaxy Pass at 07:26:18 LT (18:35:33 LST)

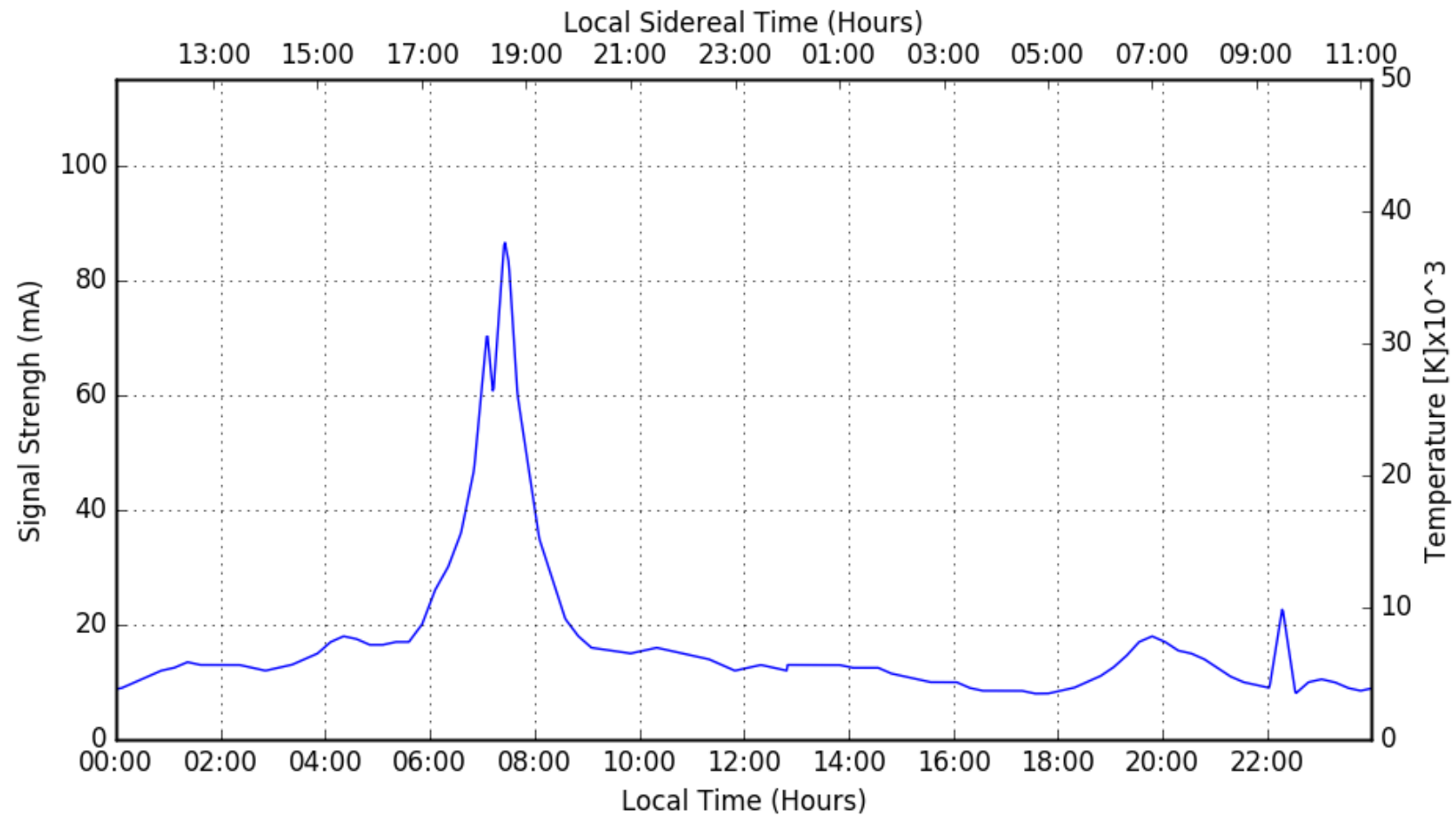


Figure 5

4. Experiment overview

Schedule	11, 12 March 2026	
Beam mode	Oblique	Perpendicular
Synchronization	3 PPS	
NTX	4,000	
IPP [Km]	112.5	
TXA [Km]	4.95	3.6
CODEA	Barker11	CC8
	A, B, -A, -B	C, D, -C, -D
Duty cycle[%]	4.4	3.2
Transmitters (See Fig. 1)	2 HP	1 HP
Transmission antennas	All Up	North Down
Acquisition system	JARS2	
Sampling window	H0=20 DH=.45 Km NSA=200 HF= 109.5 Km	
Nro. Channels	4	4
Reception antennas	4 Up quarters	4 Down quarters
Profiles per block	4,000	
Data rate [GB/hora]	28.6	
Data type	RAW	

Table 1

* Barker 11

A = 11100010010

B = 01001000111 (Reversed)

CC8

C = 11101101

D = 11100010

Table 2

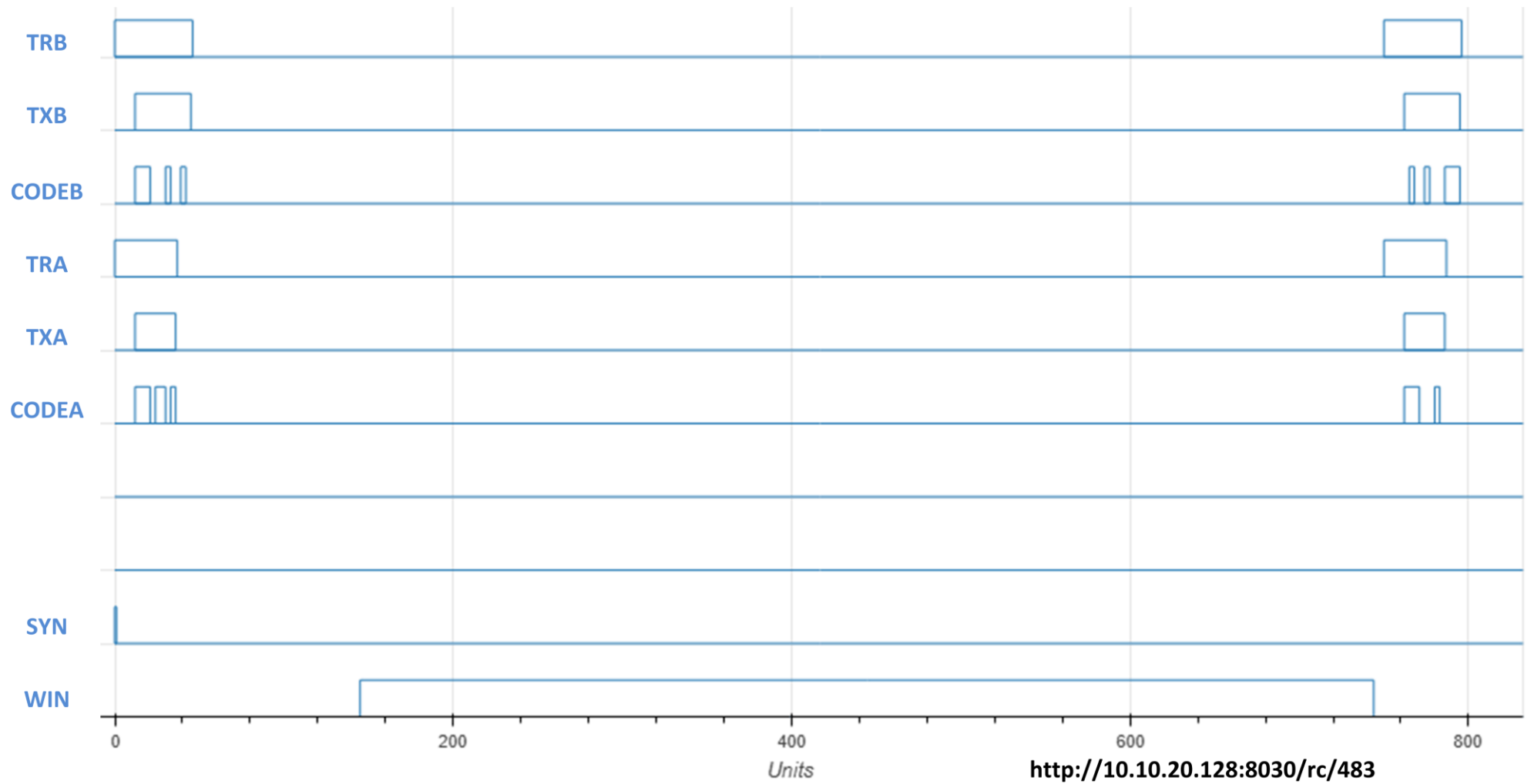


Figure 6

<http://10.10.20.128:8030/rc/483>