2GC Specifications	Primary	Secondary	Option	Remark
Number of antennas	64+16		80	ALMA64ant.+ACA
Number of correlations	2016+120		3160	
Bandwidth per baseband(2GHz)	2GHz			2GHzx8Basebands/baseline; Input=4Gsps3bits
Input clock frequency	125MHz			
Correlation mode	cross, auto			
180-degree phase switching	no	yes		
Image band rejection (90-degree switching)	no		yes	
(Coarse) delay compensation	yes			30km(+-15km)
Fine-delay compensation	yes			
Wave-front clock			yes	
Highest frequency resolution	< 5kHz			possibly not to reduce the total bandwidth
Correlation:Number of bits	3bit(4bit FX)	4bit(3bit FX)		
Maximum number of frequency-channels per baseline	1k	8k	2k,4k	
Typical integration time	0.1-10sec			
Minimum integration time	1or16msec			1msec=>auto-corr.
Maximum number of channels at 16msec-integration	96	768	192,384	
Sub-array	4+1(ACA)			
Polarimetry	yes			possibly not to reduce the total bandwidth and/or number of channel
Primary : primary target of each specification				
Secondary: the case that should equally be studied as the primary				
Option : may be not required to the 2GC but should be studied if possible				