# SKA1-Mid Simulations

#### S. Makhathini, O. M. Smirnov

Rhodes University, South Africa Department of Physics and Electronics

Rhodes Centre for Radio Astronomy Techniques and Technologies

#### 1 Introduction

The SKA project is the pinnacle of a set of new radio interferometers for probing fundamental physics in the 21<sup>st</sup> century. Like other large interferometers the SKA is expected to conduct scientifically useful observations before its completion. Accordingly, the SKA at mid frequencies (SKA-Mid) will be built in two distinct phases, SKA-Mid phase one (SKA1-Mid) and phase two (SKA2-Mid). The key science goals for SKA1-Mid include the study of the history and role of neutral hydrogen in the Universe from the dark ages to the present-day, and the use of pulsars as probes of fundamental physics [1].

In this document, we attempt to gauge the scale-dependent sensitivity of the mid-frequency array described in the *SKA1 System Baseline Design* (BD) document [1]. The performance of this configuration is then compared four alternate configurations. We also explore different weighting and tapering schemes as a way of increasing performance.

The rest of this document is laid out as follows: in subsection 1.2 we discuss the science requirements for SKA1-Mid, then in subsection 1.3 we describe layouts that we will be considering. In  $\S$  2 we describe our simulation techniques and metrics we generated from the experiment. Finally, the results, discussions and concluding remarks are in sections  $\S$  3 and  $\S$  4.

#### 1.1 SKA1-Mid Baseline Design

The mid-frequency array described in the BD is a 254 dish array with about 50% of the dishes within a radius of 400m (core), 26% of the dishes are between 400m and 4km (outer-core) with the remaining 24% in 3 three spiral arm-like structures starting from abot 2km and stretching out to a radius around 70km. Figures 1 and 2 show the BL layout and baseline distribution histogram ( $log_{10}$  space). With about 220 fifteen metre (bar the 64 twelve metre MeerKAT dishes) dishes dishes within a radius of 4km, this array promises high sensitivity, with noise values around  $63\mu$ Jy beam<sup>-1</sup> hr<sup>1/2</sup> at low redshifts [1]. However, with three distinct dish-density regions, the resulting full sensitivity (natural weighting) PSF has two pedestals corresponding to the abrupt changes in dish densities form the core to the outer-core and from the outer-core to the spiral arms (see Figures ??). With such a configuration, a uv-weighting that tends towards uniform is required to obtain high resolution and uv-tapering might be also be required to get a well behaved PSF. Leading to lower sensitivity due to the down-weighting of baselines<sup>1</sup>. It is therefore important to quantify the scale-dependent sensitivity of this configuration, i.e., what is the sensitivity at different angular scales and how this sensitivity is affected by different uv-weighting and tapering schemes.

#### 1.2 SKA1-Mid science requirements

The general scientific requirements for SKA1 published by the SPO in March 2014 suggest that (at least for SKA1-Mid), an array with a maximum baseline of around 100km is required. In this section, we list some key science requirements for SKA1-Mid (We use keys given in the SKA1 Level 0 Science Requirements document, these keys are explained in the appendix) and the maximum baselines required (at least in terms of resolution) to achieve these goals. This list only includes the science goals that require high resolution, and the high resolution cases not included have similar requirements to those listed.

Science goal	Frequency range [MHz]	Resolution	Max baseline required [km]
SKA1-SCI-5	450 - 900	2"	41.91
SKA1-SCI-8	900 - 1800	0.5"	83.83
SKA1-SCI-27	8000 - 13000	0.1" to 1"	47.15
SKA1-SCI-12	1600 - 3000	0.5"	47.15
SKA1-SCI-14	1400 - 1700	0.7"	38.49
SKA1-SCI-16	near 12000	0.04"	78.59

<sup>&</sup>lt;sup>1</sup>uniform uv-weighting down-weights the uv-points corresponding to shorter baselines, and hence gives better resolution, while a uv-taper down-weights the edges of the uv-coverage (longer baselines) to decrease sidelobe levels

In light of these requirements, we seek a layout with the shortest possible maximum baseline that does at least as well as the "second generation" baseline design in the resolution range 0.4-1 arcsec over 650,800 and 1100MHz while not significantly compromising the performance at the larger angular scales. Moreover, having a layout which performs just as well as (or better) the baseline layout but which covers significantly less space translates to less trenching, which may present the opportunity to re-invest the funds somewhere else. In the next section we present 4 alternate layouts, these layouts have maximum baselines of 90,100,120 and 133 km. The scale dependent sensitivity of these layouts is compared to the baseline layout in section 2.

### 1.3 Background on Layouts

The following SKA1-Mid layouts are under consideration here:

**REF2** Second-generation layout (254 dishes) produced by Robert Braun (September 2013)<sup>2</sup>.

 $\mathbf{W}i$ - $j\mathbf{A}k\mathbf{B}l$  This is the REF2 layout with the core "puffed up" by 10%, with i additional dishes and j dishes from the outer core added to the spiral arms. The spacing in the arms is then optimized to get more sensitivity on the longer (> 50km) baselines (See baseline distribution histograms in Figure 2). Each spiral arm stretches out to k kilometres and the maximum baseline length is about k kilometres.

The details of the layouts are tabulated in Table 1, and Figure 1 shows the layouts and Figure 2 shows the baseline distribution histogram for the different layouts. Figure 3 shows the uv-coverage for the different layouts at 1.1GHz at declinations -50,-30,-10 degrees for 8hr tracks.

REF2 [254 dishes]	SKA dishes	MeerKAT dishes	Both	%
Core	63	30	93	36
Outer-core	67	34	101	40
Spiral-arms	60	0	60	24
W9-12A54B90 [266 dishes]				
Core	70	30	93	36
Outer-core	58	34	92	34
Spiral-arms	81	0	81	30
W9-12A60B100 [266 dishes]				
Core	70	30	93	36
Outer-core	58	34	92	34
Spiral-arms	81	0	81	30
W9-12A72B120 [266 dishes]				
Core	70	30	93	36
Outer-core	58	34	92	34
Spiral-arms	81	0	81	30
W9-12A80B133 [266 dishes]				
Core	70	30	93	36
Outer-core	58	34	92	34
Spiral-arms	81	0	81	30

Table 1: Table describing the layouts under consideration.

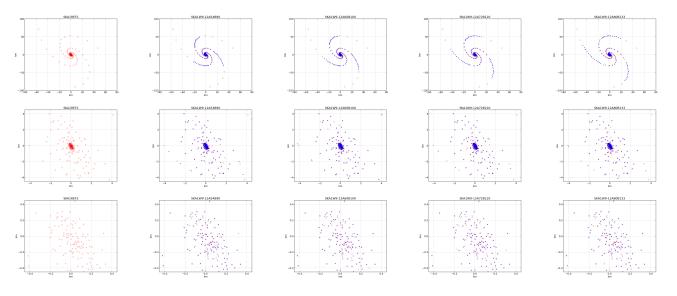


Figure 1: Antenna layouts, REF2 ploted as a reference (red crosses)

 $<sup>^2</sup>$ We assume this to be the baseline layout.

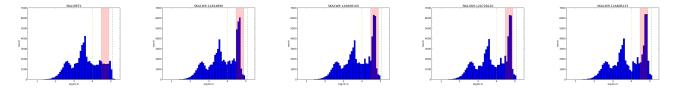


Figure 2: Baseline distribution with the uv-distance in  $log_{10}$  km . Yellow and green dashed lines mark 10 and 120 kilometres respectively, and the pink strip represents baselines from 30-80km.

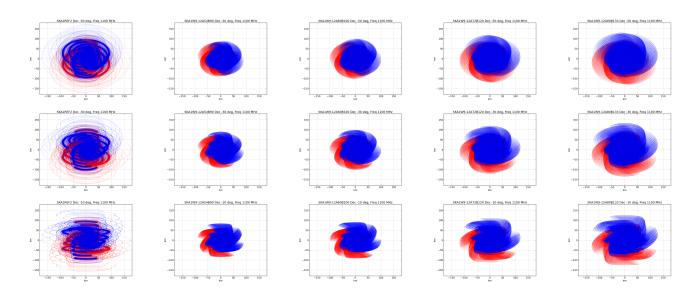


Figure 3: UV-Coverage for 8-hr tracks at 1.1 GHz (50MHz bandwidth) at declinations -50,-30,-10 for the different layouts. Blue indicates uv-points, red indicates conjugate uv-points.

# 2 The Experiment

This experiment aims to investigate the scale-dependent sensitivity of the layouts described in the previous section. We use the makems tool make simulated measurement sets of a an 8hr track with a 60s integration time on declinations {-50, -30, -10} degrees at frequencies of {650, 800, 1100}MHz with a single 50MHz channel. The expected rms noise per real and imaginary part for each visibility is calculated as

$$\sigma_{\rm vis} = \frac{\rm SEFD}{\sqrt{2\Delta t \Delta \nu}}.$$
 (1)

We use the baseline designs SEFD value of 400 corresponding to the 15 m dishes. We then fill the MS with random Gaussian noise using the computed value of the noise for a given integration and bandwidth. We then use the (CASA-derived) lwimager tool to make maps of the PSF, and dirty maps of the noise using various weighting schemes. Note that for uniform and robust weighting, a crucial parameter is the size of the uv-bin over which weights are uniformized. By default this is determined from the full image size, but lwimager allows one to uniformize the weights over bins corresponding to a user-defined FoV instead. For these simulations uv-bins corresponding to a FoV of 10 arcmin were used. The following metrics were generated:

**Note:** These metrics are generated at different angular scales, this is done by applying an inner-taper<sup>3</sup> to taper out baselines that don't fall with a given resolution range, i.e., only considering uv-points that correspond to a given resolution.

- PSF FWHM size (mean of the FWHM dimensions). This was measured by making high-resolution images of the PSF (0.05 arcsec resolution), and fitting a Gaussian to the PSF. Note that for the highly non-Gaussian PSFs corresponding to natural and (some) robust weighting schemes, the fit is very poor, so the size parameter becomes somewhat ill-defined (Table 2).
- PSF symmetry (PSF size parameters are obtained as explained above). As a measure of PSF symmetry, we define  $PSF_{sym} = 1 FWHM_{min}/FWHM_{maj}$ , then  $PSF_{sym} = 0$  is perfect symmetry, and the symmetry degenerates as  $PSF_{sym} \rightarrow 1$  (Table 3).

<sup>&</sup>lt;sup>3</sup>The weights for for the taper are generated using a Butterworth function.

- Rms pixel noise at different angular scales for 50 and 166MHz wide bands (Tables 4 and 5).
- SNR relative to a  $10\mu$ Jy source at 1100MHz with an spi of -0.7 after 8hrs for a 166MHz band (Table 6).
- Average SNR over frequencies 650, 800 and 1100MHz (166MHz band) after 8 hours, relative to a  $10\mu Jy$  source at 1100MHz with an spi of -0.7 (Table 7).  $\overline{SNR10} = \sqrt{SNR10_{650}^2 + SNR10_{800}^2 + SNR10_{1100}^2}$ .
- Hours required to reach a  $\overline{SNR10}$  of 10 (see Table 8).

# 3 Results and Discussions

1															
resbin	1	2	650MH 3	1z 4	5	1	2	800MI 3	Hz	5	1	2	1100MH	1z 4	5
SKA1REF2 SKA1W9-12A54B90	0.65	1.33	2.33	3.35 3.35	803.08 790.23	0.60	1.33	2.35 2.37	3.34	792.32 788.44	0.59	1.33	2.35 2.35	3.35 3.33	763.61 776.86
SKA1W9-12A60B100 SKA1W9-12A72B120	0.84	1.25 1.23	2.34 2.36	3.34 3.34	784.09 792.13	0.78 0.71	1.24 1.29	2.37 2.35	3.33 3.32	796.04 788.77	0.64	1.32 1.33	2.35 2.32	3.32 3.33	772.87 772.56
SKA1W9-12A80B133	0.74	1.25	2.35	3.34	794.47	0.66	1.31	2.35	3.28	796.14	0.54	1.34	2.30	3.33	770.28
1					(a) DE	EC=-10,	natura	l weigh	ting						
resbin	1	2	650MH 3	1z	5	1 1	2	800MI 3	Hz	5	1	2	1100MH	1z	5
SKA1REF2 SKA1W9-12A54B90	0.73	1.22	2.25 2.23	3.26 3.25	745.23 729.01	0.62	1.21	2.24	3.25 3.25	791.85 788.09	0.53	1.19	2.24 2.24	3.26 3.25	761.50 775.63
SKA1W9-12A60B100 SKA1W9-12A72B120	0.90 0.79	1.19 1.16	2.23 2.24	3.25 3.25	719.05 728.17	0.74 0.65	1.16 1.15	2.24 2.24	3.25 3.25	796.07 788.52	0.58 0.54	1.16 1.17	2.23 2.23	3.25 3.25	773.39 772.28
SKA1W9-12A80B133	0.73	1.16	2.24	3.25	730.77 (b) DF	0.62 C=-10,	1.15	2.23	3.24	796.37	0.52	1.17	2.23	3.26	772.18
1					(b) DE	C=-10,	TODUST-	Ü	Ü						
resbin	1	2	650MH 3	4	5	1	2	800MI 3	4	5	1	2	1100MH	4	5
SKA1REF2 SKA1W9-12A54B90	1.03	1.33 1.31 1.28	2.27 2.25 2.26	3.27	745.23 729.01	0.98 1.03 0.99	1.31 1.27 1.26	2.27	3.26	791.85 788.09	0.94 0.92 0.90	1.29 1.25 1.26	2.26 2.26 2.26	3.26 3.26 3.26	761.50 775.63 773.39
SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133	1.11 1.03 0.99	1.28 1.26 1.26	2.26 2.26 2.27	3.26 3.26 3.25	719.05 728.17 730.77	0.95	1.25 1.25	2.26 2.26 2.25	3.25 3.26 3.25	796.07 788.52 796.37	0.88	1.26 1.26 1.27	2.25 2.25	3.25 3.27	772.28 772.18
5KA1W9-12A60B133	0.99	1.20								aussian ta		1.21	2.20	3.21	112.16
1			650MH					800MI					1100MH	Tz.	
resbin SKA1REF2	0.65	1.34	3 2.35	4 3.37	5 797.29	0.60	1.33	3 2.35	4 3.34	5 790.58	0.59	1.33	3 2.35	4 3.35	5 759.20
SKA1W9-12A54B90 SKA1W9-12A60B100	0.87	1.28	2.36 2.36	3.34	784.00 779.45	0.81	1.23	2.36	3.34	788.98 806.09	0.68	1.32	2.36 2.35	3.33	773.51 762.72
SKA1W9-12A72B120 SKA1W9-12A80B133	0.79	1.23	2.37	3.35	787.78 790.79	0.70	1.30	2.35	3.31	788.13 799.24	0.56	1.35	2.31	3.34	765.95 763.55
					(d) DE	EC=-30,									
1			650MH	[z				800MI	Hz				1100MH	Iz	
resbin SKA1REF2	0.71	1.21	3 2.24	3.26	5 737.52	0.60	1.19	3 2.24	3.24	5 789.76	0.51	1.18	3 2.24	4 3.25	5 757.10
SKA1W9-12A54B90 SKA1W9-12A60B100	0.95 0.88	1.20 1.17	2.23 2.23	3.26 3.25	727.99 717.04	0.78 0.72	1.15 1.15	2.24 2.24	3.25 3.24	788.62 806.18	0.58 0.56	1.14 1.15	2.23 2.23	3.25 3.25	772.02 762.36
SKA1W9-12A72B120 SKA1W9-12A80B133	0.77 $0.71$	1.15 1.15	2.24 2.24	3.24 3.24	727.15 729.69	0.64 0.61	1.14 1.15	2.23 2.23	3.25 3.24	787.95 799.49	0.52 0.50	1.16 1.16	2.23 2.23	3.25 3.26	765.96 764.37
					(e) DE	C=-30,	robust-	2 weigh	ting						
1			650MH	[z				800MI	Ηz				1100MH	[z	
resbin SKA1REF2	1.02	1.31	3 2.26	3.26	5 737.52	0.97	1.29	3 2.27	3.25	5 789.76	0.93	1.28	3 2.26	4 3.26	5 757.10
SKA1W9-12A54B90 SKA1W9-12A60B100	1.15	1.29 1.26	2.25 2.25	3.26 3.26	727.99 717.04	1.02 0.98	1.25 1.25	2.26 2.26	3.26 3.25	788.62 806.18	0.91	1.25 1.26	2.25 2.25	3.26 3.25	772.02 762.36
SKA1W9-12A72B120 SKA1W9-12A80B133	1.01 0.97	1.25 1.25	2.26 2.26	3.25 3.25	727.15 729.70	0.93 0.91	1.25 1.26	2.25 2.25	3.25 3.25	787.95 799.49	0.88	1.26 1.26	2.25 2.25	3.25 3.27	765.96 764.37
•			(f) DE	C=-30,	robust-2	weighti	ng with	ı a 1 ar	csec G	aussian ta	per				
I			650MH	Iz				800MI	Ηz				1100MH	Iz	
resbin SKA1REF2	1 0.65	1.34	3 2.34	4 3.35	5 799.83	0.60	1.33	3 2.36	3.34	5 789.57	0.58	1.33	3 2.34	4 3.36	5 763.91
SKA1W9-12A54B90 SKA1W9-12A60B100	0.87 0.85	1.28 1.24	2.34 2.35	3.34 3.34	800.61 794.75	0.81 0.78	1.22 1.22	2.37 2.37	3.34 3.33	796.62 790.12	0.69 0.64	1.32 1.34	2.35 2.34	3.33 3.33	770.42 767.56
SKA1W9-12A72B120 SKA1W9-12A80B133	0.79 0.75	1.23 1.27	2.36 2.35	3.34 3.34	795.34 788.08	0.70 0.65	1.29 1.32	2.35 2.35	3.31 3.26	787.71 777.55	0.56 0.53	1.35 1.35	2.31 2.29	3.34 3.34	752.49 754.52
					(g) DE	EC=-50,	natura	l weigh	ting						
			650MH					800MI					1100MH		
resbin SKA1REF2	0.71	1.21	3 2.24	3.26	5 743.31	0.60	1.19	3 2.24	3.25	5 788.86	0.51	1.17	3 2.24	3.25	5 762.04
SKA1W9-12A54B90 SKA1W9-12A60B100	0.96	1.20	2.23	3.26	737.28 730.96	0.78	1.15	2.23	3.25	796.46 790.02	0.59	1.14	2.23	3.25	769.97 768.75
SKA1W9-12A72B120 SKA1W9-12A80B133	0.78	1.15	2.24	3.25 3.24	734.55 731.78	0.64	1.14 1.15	2.23	3.24	787.55 777.49	0.52	1.16	2.23	3.24 3.26	752.09 754.72
					(h) DE	C = -50,	robust-	2 weigł	nting						
			650MH					800MI					1100MH		
resbin SKA1REF2	1.02	1.31	2.26	3.27	5 743.31	0.97	1.29	3 2.26	3.26	5 788.86	0.92	1.27	2.26	3.26	5 762.04
SKA1W9-12A54B90 SKA1W9-12A60B100	1.16	1.29	2.25	3.26	737.28 730.96	0.98	1.25	2.26	3.26	796.46 790.02	0.91	1.25	2.25	3.26	769.97 768.75
SKA1W9-12A72B120 SKA1W9-12A80B133	1.02 0.98	1.25 1.25	2.26 2.26	3.26 3.25	734.55 731.78	0.93	1.25 1.25	2.25 2.25	3.25 3.24	787.55 777.49	0.88	1.26 1.26	2.25 2.25	3.25 3.27	752.09 754.72
			(i) DE	C—-50	robust_2	weighti	ng with	a 1 ar	ceec C	ussian ta	ner				

(i) DEC=-50, robust-2 weighting with a 1 arcsec Gaussian taper

Table 2: FWHM PSF sizes (in arcseconds) for the different layouts at different scales. These values are generated for angular scales  $\{0.4\text{-}1, 1\text{-}2, 2\text{-}3, 3\text{-}4, 600\text{-}3600\}$  arcsec labeled as resbin  $\{1, 2, 3, 4, 5\}$  respectively, for natural, robust-2 weighting and robust-2 weighting with a 1 arcsec Gaussian taper. For each column, the intensity of the color increases with the value.

			650MHz	z				800MH:	z				1100MHz	z	
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2	0.05	0.02	0.04	0.07	0.00	0.06	0.06	0.02	0.06	0.03	0.06	0.02	0.07	0.03	0.05
SKA1W9-12A54B90	0.03	0.05	0.05	0.06	0.02	0.06	0.05	0.01	0.06	0.03	0.06	0.02	0.06	0.02	0.01
SKA1W9-12A60B100	0.05	0.05	0.03	0.06	0.06	0.05	0.06	0.01	0.05	0.05	0.06	0.02	0.07	0.02	0.01
SKA1W9-12A72B120	0.05	0.03	0.05	0.06	0.05	0.06	0.05	0.00	0.07	0.03	0.05	0.01	0.07	0.01	0.02
SKA1W9-12A80B133	0.06	0.01	0.04	0.07	0.05	0.05	0.06	0.00	0.07	0.04	0.06	0.02	0.07	0.01	0.02
					(-) DE(	7 10 -	4 1								
					(a) DEC	C = -10, r	iaturai	weight	ıng						
		2	650MHz	z 4	-	11 1	2	800MH	z 4	-	11 1	2	1100MHz	z 4	5
resbin SKA1REF2	0.07	0.01	0.00	0.01	0.01	0.07	0.02	0.01	0.00	0.03	0.06	0.00	0.00	0.00	0.05
SKA1W9-12A54B90	0.07	0.01	0.00	0.00	0.01	0.07	0.02	0.01	0.00	0.03	0.06	0.00	0.00	0.00	0.00
SKA1W9-12A60B100	0.07	0.04	0.01	0.00	0.02	0.07	0.02	0.01	0.01	0.05	0.06	0.00	0.00	0.00	0.00
SKA1W9-12A72B120	0.06	0.02	0.00	0.01	0.04	0.06	0.00	0.01	0.00	0.03	0.05	0.01	0.00	0.00	0.02
SKA1W9-12A80B133	0.06	0.01	0.00	0.00	0.04	0.06	0.00	0.01	0.00	0.04	0.04	0.00	0.00	0.00	0.02
					(b) DEC	∑=-10, r	obust-2	weight	ing						
			650MHz	z				800MH:	z				1100MHz	Z	
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2	0.05	0.02	0.00	0.01	0.01	0.04	0.02	0.01	0.00	0.03	0.03	0.00	0.00	0.00	0.05
SKA1W9-12A54B90	0.05	0.03	0.01	0.00	0.02	0.04	0.01	0.01	0.00	0.03	0.02	0.00	0.00	0.00	0.00
SKA1W9-12A60B100	0.05	0.03	0.01	0.00	0.05	0.04	0.01	0.01	0.01	0.05	0.02	0.00	0.00	0.00	0.01
SKA1W9-12A72B120	0.04	0.01	0.00	0.01	0.04	0.03	0.00	0.01	0.00	0.03	0.01	0.01	0.00	0.00	0.02
SKA1W9-12A80B133	0.03	0.00	0.00	0.00	0.04	0.02	0.00	0.01	0.00	0.04	0.01	0.00	0.00	0.00	0.02
		(c)	DEC-	=-10 **	obust-2	weightin	o with	a 1 arc	sec Co	ussian t	aner				
		(C)	, בטבים	10, r	Joust-2	weighth.	ig with	ararc	sec Ga	ussiali l	abei				
			050355					0003.445					1100377		
rochin	1	2	650MH2			11 1	- 0	800MH			1 1	2	1100MH		
resbin SKA1REF2	0.13	0.07	0.08	0.06	0.02	0.09	0.08	0.06	0.08	0.03	0.06	0.08	0.06	0.05	0.07
SKA1REF2 SKA1W9-12A54B90	0.13	0.07	0.08	0.06	0.02	0.09	0.08	0.06	0.08	0.03	0.06	0.08	0.06	0.05	0.07
SKA1W9-12A54B90 SKA1W9-12A60B100	0.20	0.09	0.03	0.07	0.03	0.17	0.00	0.08	0.08	0.02	0.12	0.02	0.07	0.03	0.01
SKA1W9-12A72B120	0.16	0.02	0.06	0.07	0.06	0.13	0.01	0.07	0.05	0.02	0.11	0.07	0.05	0.03	0.01
SKA1W9-12A80B133	0.14	0.01	0.07	0.06	0.05	0.12	0.04	0.08	0.02	0.03	0.08	0.08	0.04	0.03	0.04
	0.12.2	0.02	0.0.	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02
					(d) DE0	C=-30, r	natural	weight	ing						
					` /			_	-						
			650MHz	z				800MH	z				1100MHz	z	
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2	0.12	0.04	0.02	0.01	0.05	0.11	0.03	0.00	0.01	0.03	0.07	0.02	0.00	0.01	0.07
SKA1W9-12A54B90	0.10	0.03	0.00	0.00	0.02	0.09	0.02	0.00	0.01	0.02	0.08	0.01	0.01	0.01	0.01
SKA1W9-12A60B100		0.00	0.01												
5KA1W9-12A00D100	0.10	0.03	0.01	0.01	0.06	0.10	0.02	0.00	0.01	0.02	0.07	0.01	0.01	0.01	0.02
SKA1W9-12A72B120	0.10	0.02	0.01	0.01	0.05	0.10	0.01	0.01	0.00	0.03	0.07	0.01	0.00	0.00	0.01
SKA1W9-12A72B120	0.10	0.02	0.01	0.01	0.05 0.04	0.10	0.01	0.01	0.00	0.03	0.07	0.01	0.00	0.00	0.01
SKA1W9-12A72B120	0.10	0.02	0.01	0.01	0.05	0.10	0.01	0.01	0.00	0.03	0.07	0.01	0.00	0.00	0.01
SKA1W9-12A72B120	0.10	0.02	0.01	0.01	0.05 0.04	0.10	0.01	0.01 0.01 weight	0.00 0.00 sing	0.03	0.07	0.01	0.00	0.00	0.01
SKA1W9-12A72B120 SKA1W9-12A80B133	0.10	0.02	0.01 0.01	0.01 0.00	0.05 0.04 (e) DEC	0.10 0.09 C=-30, re	0.01 0.00 obust-2	0.01 0.01 weight	0.00 0.00 ing	0.03	0.07	0.01 0.01	0.00 0.00	0.00 0.00	0.01
SKA1W9-12A72B120 SKA1W9-12A80B133	0.10 0.11	0.02 0.01	0.01 0.01 650MHz	0.01 0.00	0.05 0.04 (e) DEC	0.10 0.09 C=-30, re	0.01 0.00 obust-2	0.01 0.01 weight	0.00 0.00 sing	0.03 0.03	0.07	0.01 0.01	0.00 0.00 1100MHz	0.00 0.00	0.01 0.04
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2	0.10 0.11 1 0.07	0.02 0.01 2 0.04	0.01 0.01 650MHz 3 0.02	0.01 0.00 z 4 0.01	0.05 0.04 (e) DEC	0.10 0.09 C=-30, re	0.01 0.00 obust-2	0.01 0.01 weight	0.00 0.00 ing z 4 0.01	0.03 0.03 5 0.03	0.07 0.06	0.01 0.01 2 0.02	0.00 0.00 1100MHz 3 0.00	0.00 0.00 z 4 0.01	0.01 0.04 5 0.07
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1REF2	0.10 0.11 1 0.07 0.06	0.02 0.01 2 0.04 0.02	0.01 0.01 650MHz 3 0.02 0.00	0.01 0.00 z 4 0.01 0.00	0.05 0.04 (e) DEC	0.10 0.09 C=-30, re	0.01 0.00 obust-2 2 0.03 0.01	0.01 0.01 weight 800MH: 3 0.00 0.00	0.00 0.00 ing z 4 0.01 0.01	0.03 0.03 5 0.03 0.02	0.07 0.06	0.01 0.01 2 0.02 0.01	0.00 0.00 1100MH: 3 0.00 0.01	0.00 0.00 z 4 0.01 0.01	0.01 0.04 5 0.07 0.01
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100	0.10 0.11 1 0.07 0.06 0.05	0.02 0.01 2 0.04 0.02 0.02	0.01 0.01 650MHz 3 0.02 0.00 0.01	0.01 0.00 z 4 0.01 0.00 0.01	0.05 0.04 (e) DEC 5 0.05 0.02 0.06	0.10 0.09 C=-30, re	0.01 0.00 obust-2 2 0.03 0.01 0.01	0.01 0.01 weight 800MH: 3 0.00 0.00 0.00	0.00 0.00 0.00 z 4 0.01 0.01 0.01	5 0.03 0.03	0.07 0.06 1 1 0.03 0.02 0.02	0.01 0.01 2 0.02 0.01 0.00	0.00 0.00 1100MH: 3 0.00 0.01 0.01	0.00 0.00 2 4 0.01 0.01 0.00	5 0.07 0.01 0.02
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	0.10 0.11 1 0.07 0.06	0.02 0.01 2 0.04 0.02 0.02 0.01	0.01 0.01 650MHz 3 0.02 0.00	0.01 0.00 z 4 0.01 0.00 0.01 0.01	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05	0.10 0.09 S=-30, re	0.01 0.00 obust-2 2 0.03 0.01 0.01	0.01 0.01 weight 800MH: 3 0.00 0.00	0.00 0.00 0.00 ing z 4 0.01 0.01 0.01	0.03 0.03 0.03 5 0.03 0.02 0.02 0.03	0.07 0.06	2 0.01 0.02 0.01 0.00 0.00	0.00 0.00 1100MH: 3 0.00 0.01	0.00 0.00 z 4 0.01 0.01	0.01 0.04 5 0.07 0.01 0.02 0.01
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100	1 0.07 0.05 0.05	0.02 0.01 2 0.04 0.02 0.02 0.01 0.01	0.01 0.01 650MHz 3 0.02 0.00 0.01 0.01	0.01 0.00 2 4 0.01 0.00 0.01 0.01	0.05 0.04 (e) DEC	0.10 0.09 C=-30, re	0.01 0.00 obust-2 2 0.03 0.01 0.01 0.00	0.01 0.01 weight 800MH: 3 0.00 0.00 0.00 0.00	0.00 0.00 0.00 ing z 4 0.01 0.01 0.01 0.00 0.00	5 0.03 0.03 5 0.03 0.02 0.02 0.03 0.03	0.07 0.06 1 0.03 0.02 0.02 0.01	0.01 0.01 2 0.02 0.01 0.00	0.00 0.00 1100MH: 3 0.00 0.01 0.01	0.00 0.00 2 4 0.01 0.01 0.00 0.00	5 0.07 0.01 0.02
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	1 0.07 0.05 0.05	0.02 0.01 2 0.04 0.02 0.02 0.01 0.01	0.01 0.01 650MHz 3 0.02 0.00 0.01 0.01	0.01 0.00 2 4 0.01 0.00 0.01 0.01	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05	0.10 0.09 C=-30, re	0.01 0.00 obust-2 2 0.03 0.01 0.01 0.00	0.01 0.01 weight 800MH: 3 0.00 0.00 0.00 0.00	0.00 0.00 0.00 ing z 4 0.01 0.01 0.01 0.00 0.00	5 0.03 0.03 5 0.03 0.02 0.02 0.03 0.03	0.07 0.06 1 0.03 0.02 0.02 0.01	2 0.01 0.02 0.01 0.00 0.00	0.00 0.00 1100MH: 3 0.00 0.01 0.01	0.00 0.00 2 4 0.01 0.01 0.00 0.00	0.01 0.04 5 0.07 0.01 0.02 0.01
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	1 0.07 0.05 0.05	0.02 0.01 2 0.04 0.02 0.02 0.01 0.01	0.01 0.01 650MHz 3 0.02 0.00 0.01 0.01	0.01 0.00 2 4 0.01 0.00 0.01 0.01	0.05 0.04 (e) DEC	0.10 0.09 C=-30, re	0.01 0.00 obust-2 2 0.03 0.01 0.01 0.00	0.01 0.01 weight 800MH: 3 0.00 0.00 0.00 0.00	0.00 0.00 0.00 ing z 4 0.01 0.01 0.01 0.00 0.00	5 0.03 0.03 5 0.03 0.02 0.02 0.03 0.03	0.07 0.06 1 0.03 0.02 0.02 0.01	2 0.01 0.02 0.01 0.00 0.00	0.00 0.00 1100MH: 3 0.00 0.01 0.01	0.00 0.00 2 4 0.01 0.01 0.00 0.00	0.01 0.04 5 0.07 0.01 0.02 0.01
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120	1 0.07 0.05 0.05	0.02 0.01 2 0.04 0.02 0.02 0.01 0.01	0.01 0.01 650MHz 3 0.02 0.00 0.01 0.01 0.01 DEC=	z 4 0.01 0.00 0.01 0.01 0.01 0.00 -30, ro	0.05 0.04 (e) DEC	0.10 0.09 C=-30, re	0.01 0.00 obust-2 2 0.03 0.01 0.01 0.00 ag with	0.01 0.01 weight 800MH: 3 0.00 0.00 0.00 0.01 0.00	0.00 0.00 0.00 ing z 4 0.01 0.01 0.01 0.00 0.00	0.03 0.03 0.03 5 0.03 0.02 0.02 0.03 0.03	0.07 0.06 1 0.03 0.02 0.02 0.01	0.01 0.01 2 0.02 0.01 0.00 0.00 0.01	0.00 0.00 1100MH: 3 0.00 0.01 0.01 0.00 0.00	2 4 0.01 0.00 0.00 0.00 0.00	5 0.07 0.01 0.02 0.01 0.04
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05	2 0.04 0.02 0.02 0.02 0.01 (f)	0.01 0.01 650MH: 3 0.02 0.00 0.01 0.01 0.01 DEC=	0.01 0.00 2 4 0.01 0.00 0.01 0.01 0.00 =-30, re	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 bbust-2	0.10 0.09 C=-30, re	0.01 0.00 bbust-2 0.03 0.01 0.01 0.00 og with	0.01 0.01 weight 800MH: 3 0.00 0.00 0.00 0.01 0.00 a 1 arc	0.00 0.00 0.00 ing z 4 0.01 0.01 0.00 0.00 esec Ga	5 0.03 0.03 5 0.02 0.02 0.03 0.03 0.03	0.07 0.06 1 0.03 0.02 0.02 0.01 0.01 5aper	2 0.02 0.01 0.00 0.00 0.00 0.00	0.00 0.00 1100MH: 3 0.00 0.01 0.00 0.00 0.00	0.00 0.00 0.00 2 4 0.01 0.01 0.00 0.00 0.00	5 0.07 0.01 0.02 0.01 0.04
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05	2 0.04 0.02 0.02 0.02 0.01 0.01 (f)	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.01	0.01 0.00 4 0.01 0.00 0.01 0.01 0.00 =-30, ro	0.05 0.04 (e) DEC 5 0.05 0.06 0.06 0.05 0.04 bbust-2	0.10 0.09 C=-30, re 0.05 0.04 0.03 0.03 weightin	0.01 0.00 bbust-2 0.03 0.01 0.01 0.00 g with	0.01 0.01 weight 800MH: 3 0.00 0.00 0.00 0.01 0.00 a 1 arc	0.00 0.00 0.00 ing z 4 0.01 0.01 0.00 0.00 0.00 esec Ga	5 0.03 0.03 5 0.03 0.02 0.02 0.03 0.03 ussian t	0.07 0.06 1 0.03 0.02 0.02 0.01 0.01 3.aper	2 0.02 0.01 0.00 0.00 0.00 0.01	0.00 0.00 1100MH: 3 0.00 0.01 0.01 0.00 0.00	0.00 0.00 0.00 4 0.01 0.01 0.00 0.00 0.0	5 0.01 5 0.07 0.01 0.02 0.01 0.04
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1W9-12A80B13	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05	0.02 0.01 2 0.04 0.02 0.02 0.01 0.01 (f)	0.01 0.01 650MH2 3 0.02 0.00 0.01 0.01 DEC= 650MH2 3 0.06 0.06	0.01 0.00 4 0.01 0.00 0.01 0.00 =-30, ro	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04	0.10 0.09 C=-30, re 0.05 0.04 0.03 0.03 0.03 weightin	0.01 0.00 bbust-2 2 0.03 0.01 0.01 0.00 g with	0.01 0.01 weight 800MH: 3 0.00 0.00 0.00 0.00 a 1 arc	0.00 0.00 0.00 ing z 4 0.01 0.01 0.00 0.00 0.00 esec Ga	0.03 0.03 0.03 0.02 0.02 0.03 0.03 0.03	0.07 0.06 1 0.03 0.02 0.01 0.01 0.01 5.aper	2 0.02 0.01 0.00 0.00 0.00 0.01	0.00 0.00 1100MH: 3 0.00 0.01 0.01 0.00 0.00	0.00 0.00 0.00 2 4 0.01 0.00 0.00 0.00 0.00	5 0.07 0.07 0.01 0.02 0.01 0.04
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1W9-12A80B133	0.10 0.11 1 0.07 0.05 0.05 0.05 1 0.11 0.11 0.16	0.02 0.01 2 0.04 0.02 0.02 0.01 0.01 (f)	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.01 DEC= 650MHz 3 0.06 0.06	2 4 0.01 0.00 0.01 0.00 0.01 0.00 0.00 0.	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 bbust-2	0.10 0.09 2=-30, re 1 0.05 0.04 0.03 0.03 weightin	0.01 0.00 bbust-2 2 0.03 0.01 0.01 0.00 g with	0.01 0.01 weight 3 0.00 0.00 0.00 0.01 0.00 a 1 arc 800MH: 3 0.07	0.00 0.00 0.00 ing z 4 0.01 0.01 0.00 0.00 0.00 zsec Ga z 4 0.08	5 0.03 0.02 0.02 0.03 0.03 0.03 0.03 0.04	0.07 0.06 1 0.03 0.02 0.02 0.01 0.01 caper	0.01 0.01 2 0.02 0.01 0.00 0.00 0.01 2 0.05 0.02 0.03	0.00 0.00 1100MH: 3 0.00 0.01 0.00 0.00 0.00	2 4 0.01 0.00 0.00 0.00 0.00 0.00	5 0.01 0.04 5 0.07 0.02 0.01 0.04 5 0.08 0.08
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05	2 0.04 0.02 0.02 0.02 0.01 0.01 (f)	650MH; 3 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.01	z 4 0.01 0.00 0.01 0.00 0.01 0.00 c 2 4 0.02 0.06 0.05 0.02	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 bbust-2	0.10 0.09 C=-30, re 0.05 0.04 0.04 0.03 0.03 weightin	0.01 0.00 bbust-2 0.03 0.01 0.01 0.00 0.01 0.00 g with	0.01 0.01 weight 800MH: 3 0.00 0.00 0.01 0.00 a 1 arc 800MH: 3 0.07 0.05	0.00 0.00 0.00 ing z 4 0.01 0.01 0.00 0.00 0.00 esec Ga 2 4 0.08 0.09 0.09	0.03 0.03 0.03 0.02 0.02 0.03 0.03 ussian t	0.07 0.06 1 0.03 0.02 0.02 0.01 0.01 3aper	0.01 0.01 2 0.02 0.01 0.00 0.01 2 0.05 0.02 0.03 0.05 0.02	1100MH; 3 0.00 0.01 0.01 0.00 0.00 1100MH; 3 0.06 0.07 0.07	0.00 0.00 0.00 2 4 0.01 0.00	5 0.07 0.07 0.01 0.02 0.01 0.04 5 0.08 0.06 0.05
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1W9-12A80B133	0.10 0.11 1 0.07 0.05 0.05 0.05 1 0.11 0.11 0.16	0.02 0.01 2 0.04 0.02 0.02 0.01 0.01 (f)	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.01 DEC= 650MHz 3 0.06 0.06	2 4 0.01 0.00 0.01 0.00 0.01 0.00 0.00 0.	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 bbust-2	0.10 0.09 2=-30, re 1 0.05 0.04 0.03 0.03 weightin	0.01 0.00 bbust-2 2 0.03 0.01 0.01 0.00 g with	0.01 0.01 weight 3 0.00 0.00 0.00 0.01 0.00 a 1 arc 800MH: 3 0.07	0.00 0.00 0.00 ing z 4 0.01 0.01 0.00 0.00 0.00 zsec Ga z 4 0.08	5 0.03 0.02 0.02 0.03 0.03 0.03 0.03 0.04	0.07 0.06 1 0.03 0.02 0.02 0.01 0.01 caper	0.01 0.01 2 0.02 0.01 0.00 0.00 0.01 2 0.05 0.02 0.03	0.00 0.00 1100MH: 3 0.00 0.01 0.00 0.00 0.00	2 4 0.01 0.00 0.00 0.00 0.00 0.00	5 0.01 0.04 5 0.07 0.02 0.01 0.04 5 0.08 0.08
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05	2 0.04 0.02 0.02 0.02 0.01 0.01 (f)	650MH; 3 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.01	z 4 0.01 0.00 0.01 0.00 0.01 0.00 c 2 4 0.02 0.06 0.05 0.02	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 Obust-2	0.10 0.09 C=-30, re 1 0.05 0.04 0.03 0.03 weightin 1 0.10 0.13 0.12 0.10	0.01 0.00 bbust-2 2 0.03 0.01 0.01 0.00 g with	0.01 0.01 weight 800MH: 3 0.00 0.00 0.00 0.01 0.00 a 1 arc 800MH: 3 0.07 0.05 0.05	z 4 0.01 0.00 sec Ga 0.08 0.09 0.08 0.07 0.06	0.03 0.03 0.03 0.02 0.02 0.03 0.03 ussian t	0.07 0.06 1 0.03 0.02 0.02 0.01 0.01 3aper	0.01 0.01 2 0.02 0.01 0.00 0.01 2 0.05 0.02 0.03 0.05 0.02	1100MH; 3 0.00 0.01 0.01 0.00 0.00 1100MH; 3 0.06 0.07 0.07	0.00 0.00 0.00 2 4 0.01 0.00	5 0.07 0.07 0.01 0.02 0.01 0.04 5 0.08 0.06 0.05
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05	2 0.04 0.02 0.02 0.02 0.01 0.01 (f)	650MH; 3 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.01	z 4 0.01 0.00 0.01 0.00 0.01 0.00 c 2 4 0.02 0.06 0.05 0.02	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 Obust-2	0.10 0.09 C=-30, re 0.05 0.04 0.04 0.03 0.03 weightin	0.01 0.00 bbust-2 2 0.03 0.01 0.01 0.00 g with	0.01 0.01 weight 800MH: 3 0.00 0.00 0.00 0.01 0.00 a 1 arc 800MH: 3 0.07 0.05 0.05	z 4 0.01 0.00 sec Ga 0.08 0.09 0.08 0.07 0.06	0.03 0.03 0.03 0.02 0.02 0.03 0.03 ussian t	0.07 0.06 1 0.03 0.02 0.02 0.01 0.01 3aper	0.01 0.01 2 0.02 0.01 0.00 0.01 2 0.05 0.02 0.03 0.05 0.02	1100MH; 3 0.00 0.01 0.01 0.00 0.00 1100MH; 3 0.06 0.07 0.07	0.00 0.00 0.00 2 4 0.01 0.00	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.06 0.05
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05	2 0.04 0.02 0.02 0.02 0.01 0.01 (f)	650MH; 3 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.01	z 4 0.01 0.00 0.01 0.00 0.01 0.00 z 4 0.02 0.05 0.02 0.02	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 Obust-2	0.10 0.09 C=-30, re 1 0.05 0.04 0.03 0.03 weightin 1 0.10 0.13 0.12 0.10	0.01 0.00 bbust-2 2 0.03 0.01 0.01 0.00 g with	0.01 0.01 weight  800MH: 3 0.00 0.00 0.01 0.00 a 1 arc  800MH: 3 0.00 0.01 0.00 weighting	0.00 0.00 0.00 iing z 4 0.01 0.01 0.00 0.00 0.00 see Ga z 4 0.08 0.09 0.08 0.07 0.06 iing	0.03 0.03 0.03 0.02 0.02 0.03 0.03 ussian t	0.07 0.06 1 0.03 0.02 0.02 0.01 0.01 3aper	0.01 0.01 2 0.02 0.01 0.00 0.01 2 0.05 0.02 0.03 0.05 0.02	0.00 0.00 1100MH; 3 0.00 0.01 0.01 0.00 0.00 1100MH; 3 0.06 0.07 0.07	0.00 0.00 0.00 4 0.01 0.00 0.00 0.00 0.0	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.06 0.05
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 1 0.11 0.16 0.16 0.14 0.12	2 0.04 0.02 0.02 0.02 0.01 0.01 (f)	650MH; 3 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.01	z 4 0.01 0.00 0.01 0.00 0.01 0.00 z 4 0.02 0.05 0.02 0.02	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 0bust-2 0.03 0.03 0.03 0.05 0.03	0.10 0.09 C=-30, re 1 0.05 0.04 0.03 0.03 weightin 1 0.10 0.13 0.12 0.10	0.01 0.00 bbust-2 2 0.03 0.01 0.01 0.00 g with 2 0.07 0.04 0.02 0.01 0.03	0.01 0.01 weight  800MH: 3 0.00 0.00 0.00 0.01 a 1 arc  800MH: 3 0.07 0.06 0.05 weighti	0.00 0.00 iing z 4 0.01 0.01 0.00 0.00 esec Ga 2 4 0.08 0.09 0.08 0.07 0.06 iing	5 0.03 0.03 0.02 0.02 0.03 0.03 0.03 0.03	0.07 0.06 1 0.03 0.02 0.02 0.01 0.01 3aper	0.01 0.01 2 0.02 0.01 0.00 0.01 2 0.05 0.02 0.03 0.05 0.02	1100MH; 3 0.00 0.01 0.01 0.00 0.00 0.00 1100MH; 3 0.06 0.07 0.05 0.03	0.00 0.00 0.00 0.01 0.00 0.00 0.00 0.00	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.06 0.05
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05	2 0.04 0.02 0.01 0.01 0.01 (f) 2 0.08 0.08 0.08 0.04	650MH; 3 0.00 0.01 0.01 0.01 0.01 0.01 0.01 DEC= 650MH; 3 0.06 0.04 0.06 0.05 0.07	z 4 0.01 0.00 0.01 0.00 0.01 0.00 =-30, re 4 0.02 0.05 0.02 0.02	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 Obust-2	0.10 0.09 C=-30, re 1 0.05 0.04 0.03 0.03 weightin 1 0.10 0.13 0.12 0.10 0.10 C=-50, re	0.01 0.00 bbust-2 2 0.03 0.01 0.01 0.00 g with	0.01 0.01 weight 3 0.00 0.00 0.00 0.01 0.00 a 1 arc 800MH: 3 0.07 0.05 0.05 0.05 weighti	0.00 0.00 0.00 iing z 4 0.01 0.01 0.00 0.00 0.00 see Ga z 4 0.08 0.09 0.08 0.07 0.06 iing	0.03 0.03 0.03 0.02 0.02 0.03 0.03 ussian t	0.07 0.06 1 0.03 0.02 0.01 0.01 0.01 0.06 0.10 0.09 0.07	0.01 0.01 2 0.02 0.01 0.00 0.01 2 0.05 0.05 0.03 0.05 0.05	1100MH; 3 0.00 0.01 0.01 0.00 1100MH; 3 0.06 0.07 0.05 0.03	2 4 0.01 0.00 0.00 0.00 0.00 0.00 0.01 0.03 0.01 0.01 0.03	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.06 0.05 0.05
resbin SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.11 0.11 0.16 0.16 0.14 0.12	2 0.04 0.02 0.02 0.01 (f)	0.01 0.01 0.01 0.01 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.04 0.06 0.04 0.05 0.07	z 4 0.01 0.00 0.01 0.00 0.01 0.00 0.00 0.	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 Obust-2	0.10 0.09 C=-30, re 1 0.05 0.04 0.03 0.03 0.03 weightin 1 0.10 0.13 0.12 0.10 0.10 0.10	0.01 0.00 bbust-2 0.03 0.01 0.01 0.00 g with 2 0.07 0.04 0.02 0.01 0.03 natural	0.01 0.01 weight  800MH: 3 0.00 0.00 0.00 0.01 a 1 arc  800MH: 3 0.07 0.06 0.05 weighti	z 4 0.01 0.00 0.00 sec Ga 4 0.08 0.09 0.08 0.07 0.06 ing	0.03 0.03 0.03 0.02 0.02 0.03 0.03 ussian t	0.07 0.06	2 0.02 0.01 0.00 0.00 0.00 0.01 2 0.05 0.02 0.03 0.05	1100MH; 3 0.00 0.01 0.01 0.00 0.00 0.00 1100MH; 3 0.06 0.07 0.05 0.03	2 4 0.01 0.00 0.00 0.00 0.00 0.00 0.01 0.03 0.02	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.06 0.05 0.07
resbin SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.05 0.11 0.16 0.14 0.12	2 0.04 0.02 0.01 0.02 0.02 0.01 (f) 2 0.08 0.04 0.09 0.04	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.06 0.06	z 4 0.01 0.00 0.01 0.00 0.01 0.00 0.02 2 4 0.02 0.02 0.02 0.02	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 bbust-2 5 0.03 0.03 0.03 0.05 0.03	0.10 0.09 Z=-30, re 1 0.05 0.04 0.03 0.03 0.03 weightin 1 0.10 0.13 0.12 0.10 0.10 0.10 0.10 0.10	0.01 0.00 0bust-2 2 0.03 0.01 0.01 0.00 ag with 2 0.07 0.04 0.02 0.01 0.03	0.01 0.01 weight 800MH: 3 0.00 0.00 0.00 1 0.00 a 1 arc 800MH: 3 0.07 0.05 0.07 0.06 0.05 weighti	0.00 0.00 ing  z 4 0.01 0.01 0.00 0.00 0.00 esec Ga  z 4 0.08 0.09 0.08 0.07 0.06 ing z	5 0.03 0.03 0.02 0.02 0.03 0.03 0.03 0.03	0.07 0.06 1 0.03 0.02 0.02 0.01 0.01 0.06 0.10 0.10 0.09 0.07	0.01 0.01 2 0.02 0.01 0.00 0.00 0.01 2 0.05 0.02 0.03 0.05 0.05	0.00 0.00 1100MH: 3 0.00 0.01 0.01 0.00 0.00 0.00 1100MH: 3 0.07 0.05 0.03	4 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.05 0.05 0.07
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.16 0.16 0.14 0.12	2 0.04 0.02 0.01 (f) 2 0.04 0.01 (f) 2 0.04 0.08 0.04 0.00 0.04	650MH; 3 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.	z 4 0.01 0.00 0.01 0.00 2 2 4 0.02 0.02 0.02 0.02 0.01 0.01 0.01 0.01	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 0bust-2 0.03 0.03 0.05 0.05 0.02	0.10 0.09 Z=-30, re 1 0.05 0.04 0.03 0.03 0.03 weightin 1 0.10 0.13 0.12 0.10 0.1	0.01 0.00 0bust-2 2 0.03 0.01 0.01 0.00 ag with 2 0.07 0.04 0.02 0.01 0.03 natural	0.01 0.01 0.01 0.01 0.01 0.01 0.00 0.00	0.00 0.00 iing  z 4 0.01 0.01 0.00 0.00 csec Ga  z 4 0.08 0.09 0.08 0.07 0.06 iing  z 4 0.01 0.00 0.00 0.00	5 0.03 0.03 0.02 0.02 0.03 0.03 0.03 0.03	0.07 0.06 1 0.03 0.02 0.01 0.01 0.01 0.06 0.10 0.09 0.07	0.01 0.01 2 0.02 0.01 0.00 0.00 0.01 2 0.05 0.02 0.03 0.05 0.05 0.05 0.05	1100MH; 3 0.00 0.01 0.01 0.00 0.00 1100MH; 3 0.00 0.00 1100MH; 3 0.06 0.07 0.05 0.03	2 4 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.06 0.05 0.05 0.07
resbin SKA1W9-12A5B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A5B120 SKA1W9-12A5B120 SKA1W9-12A80B133  resbin SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A5B120 SKA1W9-12A5B120 SKA1W9-12A5B120 SKA1W9-12A5B120 SKA1W9-12A5B120 SKA1W9-12A5B120 SKA1W9-12A5B120 SKA1W9-12A5B133	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 1 0.11 0.16 0.16 0.14 0.12	2 0.04 0.02 0.02 0.02 0.01 0.01 (f) 2 0.04 0.08 0.04 0.00 0.00 0.04	650MH; 3 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.01	z 4 0.01 0.00 c 2 4 0.02 0.02 c 4 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 bbust-2 5 0.02 0.03 0.03 0.03 0.03 0.03 0.03 0.05 0.02	0.10 0.09 C=-30, red 0.05 0.04 0.04 0.03 0.03 0.03 0.03 0.10	0.01 0.00 bbust-2 2 0.03 0.01 0.01 0.00 g with 2 0.07 0.04 0.02 0.01 0.03 natural	0.01 0.01 weight  800MH: 3 0.00 0.00 0.00 0.01 0.00 a 1 arc  800MH: 3 0.07 0.05 0.07 0.06 0.05 weighti  800MH: 3 0.00 0.00	0.00 0.00 0.00 iing z 4 0.01 0.00 0.00 0.00 seec Ga z 4 0.08 0.09 0.08 0.07 0.06 iing z 4 0.01	0.03 0.03 0.03 0.02 0.02 0.03 0.03 0.04 0.04 0.04 0.04 0.04 0.04	0.07 0.06 1 0.03 0.02 0.02 0.01 0.01 caper 1 0.06 0.10 0.10 0.09 0.07	2 0.02 0.01 0.01 0.00 0.00 0.01 0.05 0.02 0.03 0.05 0.05 0.05	1100MH; 3 0.00 0.00 1100MH; 3 0.01 0.01 0.00 0.00 1100MH; 3 0.06 0.07 0.05 0.03	2 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.06 0.05 0.07
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.11 0.16 0.14 0.12 1 0.08 0.07 0.08	2 0.04 0.02 0.01 (f) 2 0.04 0.01 (f) 2 0.04 0.08 0.04 0.00 0.04	650MH; 3 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.	z 4 0.01 0.00 0.01 0.00 0.02 0.02 0.02 0.02	5 0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 0bust-2 0.03 0.03 0.03 0.05 0.03 0.05 0.03	0.10 0.09  Z=-30, re  1 0.05 0.04 0.03 0.03  weightin  1 0.10 0.13 0.12 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.01 0.00 0bust-2 2 0.03 0.01 0.01 0.00 ag with 2 0.07 0.04 0.02 0.01 0.03 natural	0.01 0.01 0.01 0.01 0.01 0.01 0.00 0.00	0.00 0.00 0.00 0.00 0.01 0.01 0.01 0.00 0.00 0.00 0.08 0.07 0.06 0.00 0.00 0.00 0.00 0.00	5 0.03 0.03 0.02 0.02 0.03 0.03 0.03 0.03	0.07 0.06 1 0.03 0.02 0.01 0.01 0.01 0.06 0.10 0.09 0.07	2 0.02 0.01 0.00 0.00 0.01 0.05 0.05 0.05 0.05	1100MH; 3 0.00 0.01 0.01 0.00 0.00 1100MH; 3 0.00 0.00 1100MH; 3 0.06 0.07 0.05 0.03	2 4 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.05 0.05 0.07
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.11 0.16 0.14 0.12 1 0.08 0.07 0.08	2 0.04 0.02 0.01 (f) 2 0.04 0.01 (f) 2 0.04 0.08 0.04 0.00 0.04	650MH; 3 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.	z 4 0.01 0.00 0.01 0.00 0.02 0.02 0.02 0.02	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 0bust-2 0.03 0.03 0.05 0.05 0.02	0.10 0.09  Z=-30, re  1 0.05 0.04 0.03 0.03  weightin  1 0.10 0.13 0.12 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.01 0.00 0bust-2 2 0.03 0.01 0.01 0.00 ag with 2 0.07 0.04 0.02 0.01 0.03 natural	0.01 0.01 0.01 0.01 0.01 0.01 0.00 0.00	0.00 0.00 0.00 0.00 0.01 0.01 0.01 0.00 0.00 0.00 0.08 0.07 0.06 0.00 0.00 0.00 0.00 0.00	5 0.03 0.03 0.02 0.02 0.03 0.03 0.03 0.03	0.07 0.06 1 0.03 0.02 0.01 0.01 0.01 0.06 0.10 0.09 0.07	2 0.02 0.01 0.00 0.00 0.01 0.05 0.05 0.05 0.05	1100MH; 3 0.00 0.01 0.01 0.00 0.00 1100MH; 3 0.00 0.00 1100MH; 3 0.06 0.07 0.05 0.03	2 4 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.05 0.05 0.07
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.11 0.16 0.14 0.12 1 0.08 0.07 0.08	2 0.04 0.02 0.01 (f) 2 0.04 0.01 (f) 2 0.04 0.08 0.04 0.00 0.04	650MH; 3 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.	z 4 0.01 0.00 0.01 0.00 0.02 0.02 0.02 0.02	5 0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 0bust-2 0.03 0.03 0.03 0.05 0.03 0.05 0.03	0.10 0.09  Z=-30, re  1 0.05 0.04 0.03 0.03  weightin  1 0.10 0.13 0.12 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.01 0.00 0bust-2 2 0.03 0.01 0.01 0.00 ag with 2 0.07 0.04 0.02 0.01 0.03 natural	0.01 0.01 0.01 0.01 0.01 0.01 0.00 0.00	0.00 0.00 0.00 0.00 0.01 0.01 0.01 0.00 0.00 0.00 0.08 0.07 0.06 0.00 0.00 0.00 0.00 0.00	5 0.03 0.03 0.02 0.02 0.03 0.03 0.03 0.03	0.07 0.06 1 0.03 0.02 0.01 0.01 0.01 0.06 0.10 0.09 0.07	2 0.02 0.01 0.00 0.00 0.01 0.05 0.05 0.05 0.05	1100MH; 3 0.00 0.01 0.01 0.00 0.00 1100MH; 3 0.00 0.00 1100MH; 3 0.06 0.07 0.05 0.03	2 4 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.05 0.05 0.07
resbin SKA1W9-12A54B90 SKA1W9-12A60B103 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A5B120 SKA1W9-12A5B133	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.11 0.16 0.14 0.12 1 0.08 0.07 0.08	2 0.04 0.01 0.01 0.01 (f) 2 0.04 0.08 0.04 0.08 0.04 0.00 0.04	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.01	z 4 0.00  -30, ro  z 4 0.01  0.01  0.01  0.02  0.02  0.02  0.02  0.01  0.01  0.01  0.00	5 0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 0bust-2 0.03 0.03 0.03 0.05 0.03 0.05 0.03	0.10 0.09  Z=-30, re  1 0.05 0.04 0.03 0.03  weightin  1 0.10 0.13 0.12 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.01 0.00 0bust-2 0.03 0.01 0.01 0.00 0 with 2 0.07 0.04 0.02 0.01 0.03 0.01 0.03 0.01 0.01 0.01 0.03 0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01 0.00 0.00	0.00 0.00 0.00 0.00 0.01 0.01 0.01 0.00 0.00 0.00 0.08 0.07 0.06 0.09 0.00 0.00 0.00 0.00 0.00 0.00	5 0.03 0.03 0.02 0.02 0.03 0.03 0.03 ussian t	0.07 0.06 1 0.03 0.02 0.01 0.01 0.01 0.06 0.10 0.09 0.07	2 0.02 0.01 0.00 0.00 0.00 0.01 2 0.05 0.02 0.03 0.05 0.05 0.05	1100MH; 3 0.00 0.01 0.01 0.00 0.00 1100MH; 3 0.00 0.00 1100MH; 3 0.06 0.07 0.05 0.03	2 4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.07 0.01 0.02 0.01 0.04 5 0.06 0.05 0.05 0.08 0.06 0.05 0.09
SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1W9-12A80B133  resbin SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A60B103 SKA1W9-12A60B103 SKA1W9-12A72B120 SKA1W9-12A80B133	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.11 0.16 0.14 0.12 1 0.08 0.07 0.08	2 0.04 0.02 0.01 (f) 2 0.04 0.01 (f) 2 0.04 0.08 0.04 0.00 0.04	650MH; 3 0.02 0.00 0.01  DEC= 650MH; 3 0.06 0.04 0.06 0.05 0.07	z 4 0.00  -30, ro  z 4 0.01  0.01  0.01  0.02  0.02  0.02  0.02  0.01  0.01  0.01  0.00	5 0.05 0.04 (e) DEC  5 0.05 0.02 0.06 0.05 0.04  bbust-2  5 0.02 0.03 0.03 0.05 0.03 (g) DEC  5 0.02 0.03 0.03 0.04 0.05 0.05 0.05	0.10 0.09  Z=-30, re  1 0.05 0.04 0.03 0.03  weightin  1 0.10 0.13 0.12 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.01 0.00 0bust-2 2 0.03 0.01 0.01 0.00 ag with 2 0.07 0.04 0.02 0.01 0.03 natural	0.01 0.01 0.01 0.01 0.01 0.01 0.00 0.00	2 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.03 0.02 0.02 0.03 0.03 0.03 0.03 0.04 0.04 0.04 0.04	0.07 0.06 1 0.03 0.02 0.01 0.01 0.06 0.10 0.09 0.07	2 0.02 0.01 0.00 0.00 0.01 0.05 0.05 0.05 0.05	1100MH; 3 0.00 0.00 1100MH; 3 0.00 0.00 1100MH; 3 0.06 0.07 0.05 0.03	2 4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.05 0.05 0.07
resbin SKA1W9-12A54B90 SKA1W9-12A60B103 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A5B120 SKA1W9-12A5B133	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.11 0.16 0.14 0.12 1 0.08 0.07 0.08 0.07	2 0.04 0.01 0.01 0.01 (f) 2 0.04 0.08 0.04 0.09 0.04 0.00 0.04	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.01	z 4 0.01 0.00 0.01 0.00 0.05 0.02 0.02	0.05 0.04 (e) DEC 5 0.05 0.02 0.06 0.05 0.04 bbust-2 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.0	0.10 0.09  Z=-30, re  1 0.05 0.04 0.03 0.03  weightin  1 0.10 0.13 0.12 0.10 0.10 0.10 0.10 C=-50, I	0.01 0.00 0bust-2 0.03 0.01 0.01 0.00 0 with 2 0.07 0.04 0.02 0.01 0.03 0.01 0.03 0.01 0.01 0.01 0.03 0.01 0.01	0.01 0.01 weight 800MH: 3 0.00 0.00 0.00 1 0.00 a 1 arc 800MH: 3 0.07 0.05 0.07 0.06 0.05 weight: 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0.00 0.00 0.00 0.00 0.01 0.01 0.01 0.00 0.00 0.00 0.08 0.07 0.06 0.09 0.00 0.00 0.00 0.00 0.00 0.00	5 0.03 0.03 0.02 0.02 0.03 0.03 0.03 ussian t	1 0.03 0.02 0.01 0.01 0.01 0.00 0.09 0.07	2 0.02 0.01 0.00 0.00 0.00 0.01 2 0.05 0.02 0.03 0.05 0.05 0.05	1100MH; 3 0.00 0.01 0.01 0.00 0.00 0.00 1100MH; 3 0.06 0.07 0.05 0.03	4 0.01 0.00 0.00 0.00 0.00 0.00 0.01 0.0	5 0.07 0.01 0.02 0.01 0.04 5 0.06 0.05 0.05 0.08 0.06 0.05 0.09
resbin SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.01 0.11 0.16 0.16 0.14 0.12 1 0.08 0.07 0.08 0.07	2 0.04 0.02 0.01 (f) 2 0.02 0.01 (f) 2 0.04 0.08 0.04 0.00 0.04 0.02 0.02 0.03 0.02 0.02 0.03	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.01	z 4 0.00 -30, re z 4 0.01 0.00 -30, re z 4 0.02 0.05 0.02 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.00	5 0.05 0.04 (e) DEC  5 0.05 0.02 0.06 0.05 0.04  bbust-2  5 0.02 0.03 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.00 0.05 0.00 0.00	0.10 0.09 C=-30, re  1 0.05 0.04 0.03 0.03 0.03 0.03 0.12 0.10 0.10 0.10 0.10 0.10 0.10 0.07 0.07	0.01 0.00 0bust-2 0.03 0.01 0.01 0.00 0 g with 2 0.07 0.04 0.02 0.01 0.03 0.01 0.03 0.01 0.01 0.03 0.01 0.03 0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01 0.00 0.00	0.00 0.00 0.00 0.00 0.01 0.01 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5 0.03 0.03 0.02 0.02 0.03 0.03 0.03 0.03	0.07 0.06 1 0.03 0.02 0.01 0.01 0.01 0.06 0.10 0.10 0.09 0.07	2 0.02 0.01 0.00 0.00 0.01 0.00 0.01 2 0.05 0.02 0.03 0.05 0.05 0.05	1100MH; 3 0.00 0.01 0.01 0.00 0.00 1100MH; 3 0.00 0.05 0.03 1100MH; 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.01 0.04 5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.06 0.05 0.05 0.05 0.05 0.05 0.06
SKA1W9-12A7B120	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 1 0.11 0.16 0.16 0.14 0.12 1 0.07 0.09 0.07 0.09 1 0.09	2 0.04 0.02 0.01  (f)  2 0.04 0.02 0.01  (f)  2 0.04 0.08 0.04 0.00 0.01  2 0.03 0.02 0.01  2 0.03 0.02 0.01	650MH: 3 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.01	z 4 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.	5 0.05 0.04 (e) DEC  5 0.05 0.02 0.06 0.05 0.04  bbust-2  5 0.02 0.03 0.05 0.03 (g) DEC  5 0.02 0.03 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.04 0.03 0.03 0.03 0.03 0.03 0.03	0.10 0.09 C=-30, re  1 0.05 0.04 0.03 0.03 weightin  1 0.10 0.13 0.12 0.10 0.10 0.10 C=-50, re  1 0.08 0.07 0.07 0.06 C=-50, re	0.01 0.00  bbust-2  0.03 0.01 0.01 0.00  g with  2  0.07 0.04 0.02 0.01 0.03  natural	0.01 0.01 0.01 0.01 0.01 0.01 0.00 0.00	2 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.03 0.03 0.02 0.02 0.03 0.03 0.03 0.03	0.07 0.06 1 1 0.03 0.02 0.01 0.01 0.06 0.10 0.10 0.09 0.07	2 0.02 0.01 0.00 0.00 0.00 0.01 2 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.	1100MH: 3 0.00 0.00 1100MH: 3 0.00 0.01 0.01 0.00 0.00 1100MH: 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	2 4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.05 0.05 0.07 5 0.08 0.06 0.05 0.05 0.06
resbin SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1W9-12A54B90	1 0.07 0.06 0.05 0.05 0.05 0.05 0.05 0.01 0.16 0.16 0.16 0.12 0.08 0.07 0.07 0.07	2 0.04 0.01 0.01 0.01 (f) 2 0.04 0.08 0.04 0.08 0.04 0.00 0.04 0.00 0.01	650MHz 3 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.	z 4 0.01 0.00 0.01 0.00 0.01 0.00 0.00 0.	0.05 0.04 (e) DEC  5 0.05 0.02 0.06 0.05 0.04  bbust-2  5 0.02 0.03 0.03 0.05 0.03 0.03 0.05 0.03 0.05 0.02 0.03 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.03	0.10 0.09  Z=-30, re  1 0.05 0.04 0.03 0.03 0.03 0.12 0.10 0.10 0.10 0.10 0.10 0.07 0.07 0.07	0.01 0.00 obust-2 2 0.03 0.01 0.01 0.00 og with 2 0.07 0.04 0.02 0.01 0.03 og with 2 0.07 0.04 0.02 0.01 0.03 0.01 0.00 og with 0.01 0.01 0.00 0.01 0.00 0.01 0.01 0.00 0.01 0.0	800MH: 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	2 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.03 0.03 0.02 0.02 0.03 0.03 0.03 ussian t	1 0.02 0.01 0.01 0.01 0.01 0.01 0.01 0.0	2 0.02 0.01 0.00 0.00 0.00 0.01 2 0.05 0.02 0.03 0.05 0.05 0.05 0.02 0.01 0.00 0.00	1100MH; 3 0.00 0.01 0.01 0.00 0.00 1100MH; 3 0.06 0.07 0.05 0.03 1100MH; 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	2 4 0.01 0.00 0.00 0.01 0.00 0.00 0.00 0.	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.05 0.05 0.05 0.05 0.05 0.05 0.
SKA1W9-12A7B120	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 1 0.11 0.16 0.16 0.14 0.12 1 0.07 0.09 0.07 0.09 1 0.09	2 0.04 0.02 0.01  (f)  2 0.04 0.02 0.01  (f)  2 0.04 0.08 0.04 0.00 0.01  2 0.03 0.02 0.01  2 0.03 0.02 0.01	650MH: 3 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.01	z 4 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.	5 0.05 0.04 (e) DEC  5 0.05 0.02 0.06 0.05 0.04  bbust-2  5 0.02 0.03 0.05 0.03 (g) DEC  5 0.02 0.03 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.04 0.03 0.03 0.03 0.03 0.03 0.03	0.10 0.09 C=-30, re  1 0.05 0.04 0.03 0.03 weightin  1 0.10 0.13 0.12 0.10 0.10 0.10 C=-50, re  1 0.08 0.07 0.07 0.06 C=-50, re	0.01 0.00  bbust-2  0.03 0.01 0.01 0.00  g with  2  0.07 0.04 0.02 0.01 0.03  natural	0.01 0.01 0.01 0.01 0.01 0.01 0.00 0.00	2 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.03 0.03 0.02 0.02 0.03 0.03 0.03 0.03	0.07 0.06 1 1 0.03 0.02 0.01 0.01 0.06 0.10 0.10 0.09 0.07	2 0.02 0.01 0.00 0.00 0.00 0.01 2 0.05 0.05 0.05 0.05 0.05 0.01 0.00 0.01	1100MH: 3 0.00 0.00 1100MH: 3 0.00 0.01 0.01 0.00 0.00 1100MH: 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	2 4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.05 0.05 0.05 0.05 0.06 0.05 0.06
resbin SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1W9-12A54B90	1 0.07 0.06 0.05 0.05 0.05 0.05 0.05 0.01 0.16 0.16 0.16 0.12 0.08 0.07 0.07 0.07	2 0.04 0.01 0.01 0.01 (f) 2 0.04 0.08 0.04 0.09 0.04 0.00 0.04 0.00 0.01 0.01	650MH; 3 0.02 0.00 0.01 0.01  DEC= 650MH; 3 0.06 0.05 0.07  650MH; 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	z 4 0.01 0.00 0.01 0.00 0.00 0.00 0.00 0.	0.05 0.04 (e) DEC  5 0.05 0.02 0.06 0.05 0.04  bbust-2  5 0.02 0.03 0.03 0.03 0.03 0.04 0.03 0.04 0.03 0.04 0.03	0.10 0.09 C=-30, re  1 1 0.05 0.04 0.03 0.03 0.03 0.03 0.10 0.10 0.10 0.10	0.01 0.00 0.00 0.00 0.00 0.01 0.01 0.01 0.02 0.01 0.03 0.01 0.03 0.01 0.00	0.01 0.01 0.01 0.01 0.01 0.00 0.00 0.00	2 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.03 0.03 0.02 0.02 0.03 0.03 0.04 0.04 0.04 0.04 0.04 0.04	1	2 0.02 0.01 0.00 0.00 0.00 0.01 2 0.05 0.02 0.03 0.05 0.05 0.05 0.02 0.01 0.00 0.00	1100MH; 3 0.00 0.01 0.01 0.00 0.00 1100MH; 3 0.06 0.07 0.05 0.03 1100MH; 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	2 4 0.01 0.00 0.00 0.01 0.00 0.00 0.00 0.	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.05 0.05 0.05 0.05 0.05 0.05 0.
resbin SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1W9-12A54B90	1 0.07 0.06 0.05 0.05 0.05 0.05 0.05 0.01 0.16 0.16 0.16 0.12 0.08 0.07 0.07 0.07	2 0.04 0.01 0.01 0.01 (f) 2 0.04 0.08 0.04 0.09 0.04 0.00 0.04 0.00 0.01 0.01	650MH; 3 0.02 0.00 0.01 0.01  DEC= 650MH; 3 0.06 0.05 0.07  650MH; 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	z 4 0.01 0.00 0.01 0.00 0.00 0.00 0.00 0.	0.05 0.04 (e) DEC  5 0.05 0.02 0.06 0.05 0.04  bbust-2  5 0.02 0.03 0.03 0.05 0.03 0.03 0.06  5 0.02 0.03 0.03 0.05 0.03 0.05 0.02 0.03 0.03 0.05 0.03 0.03 0.05 0.03 0.03	0.10 0.09 C=-30, re  1 1 0.05 0.04 0.03 0.03 0.03 0.03 0.10 0.10 0.10 0.10	0.01 0.00 0.00 0.00 0.00 0.01 0.01 0.01 0.02 0.01 0.03 0.01 0.03 0.01 0.00	0.01 0.01 0.01 0.01 0.01 0.00 0.00 0.00	2 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.03 0.03 0.02 0.02 0.03 0.03 0.04 0.04 0.04 0.04 0.04 0.04	1	2 0.02 0.01 0.00 0.00 0.00 0.01 2 0.05 0.02 0.03 0.05 0.05 0.05 0.02 0.01 0.00 0.00	1100MH; 3 0.00 0.01 0.01 0.00 0.00 1100MH; 3 0.06 0.07 0.05 0.03 1100MH; 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	2 4 0.01 0.00 0.00 0.01 0.00 0.00 0.00 0.	5 0.07 0.01 0.02 0.01 0.04 5 0.08 0.05 0.05 0.05 0.05 0.05 0.05 0.

Table 3: PSF symetetry (see  $\S$  2) for the different layouts at different scales. These values are generated for angular scales  $\{0.4\text{-}1,\ 1\text{-}2,\ 2\text{-}3,\ 3\text{-}4,\ 600\text{-}3600\}$  arcsec labeled as resbin  $\{1,\ 2,\ 3,\ 4,\ 5\}$  respectively, for natural, robust-2 weighting and robust-2 weighting with a 1 arcsec Gaussian taper. For each column, the intensity of the color increases with the value.

ı															
			650MH:					800MH					1100MH		
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2 SKA1W9-12A54B90	2.80 3.70	2.90 1.80	3.90 3.50	4.70	9.50	2.60	2.90	4.00 3.50	4.80	12.00 14.00	2.50 1.80	3.00 2.50	4.10 3.50	4.70	17.00 20.00
SKA1W9-12A54B90 SKA1W9-12A60B100	2.80	1.90	3.50	4.10	12.00	2.10	2.20	3.50	4.10	15.00	1.80	2.60	3.50	4.40	22.00
SKA1W9-12A72B120	2.20	2.10	3.50	4.10	11.00	1.90	2.50	3.50	4.40	14.00	1.70	2.70	3.70	5.10	20.00
SKA1W9-12A80B133	2.00	2.40	3.50	4.20	11.00	1.80	2.60	3.50	4.70	14.00	1.70	2.70	3.90	5.40	20.00
					(a) DE	C_ 10	notunal	woight	ine						
					(a) DE	C— <b>-</b> 10,	naturai	weight	ing						
			CEOMIN					0003.511					11003411		
resbin	1	2	650MH:	<u>4</u>	5	1	2	800MH 3	4	5	1	2	1100MH	4	5
SKA1REF2	3.20	3.90	5.10	5.50	9.30	3.20	4.10	4.90	5.30	12.00	3.20	4.20	4.60	4.90	17.00
SKA1W9-12A54B90	3.20	2.80	3.50	4.30	11.00	3.20	2.50	3.80	4.10	14.00	3.10	2.70	3.50	3.90	20.00
SKA1W9-12A60B100	3.00	2.50	3.80	4.30	11.00	3.00	2.50	3.90	4.10	15.00	2.90	3.00	3.60	4.10	22.00
SKA1W9-12A72B120 SKA1W9-12A80B133	2.80	2.50	4.20	4.40	11.00	2.70 2.60	2.90 3.10	4.00	4.40	14.00 14.00	2.60	3.50	3.90 4.00	4.90 5.40	20.00
SICAL W 3-12AGGB133	2.00	2.10	4.50	4.00	11.00	2.00	3.10	4.10	4.50	14.00	2.40	3.00	4.00	0.40	20.00
					(b) DE0	C = -10, 1	robust-2	2 weight	ting						
I					` '										
1			650MH:	z				800MH	z				1100MH	z	
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2 SKA1W9-12A54B90	3.00 2.40	3.70 2.50	5.00 3.50	5.50 4.30	9.30	3.10 2.30	3.80 2.40	4.90 3.70	5.30 4.10	12.00 14.00	3.10 2.10	3.90 2.60	4.50 3.50	4.80 3.90	17.00 20.00
SKA1W9-12A54B90 SKA1W9-12A60B100	2.40	2.40	3.80	4.30	11.00	2.30	2.40	3.70	4.10	15.00	2.10	2.80	3.50	4.10	22.00
SKA1W9-12A00B100 SKA1W9-12A72B120	2.20	2.50	4.10	4.40	11.00	2.20	2.80	4.00	4.40	14.00	2.30	3.20	3.80	4.10	20.00
SKA1W9-12A80B133	2.20	2.70	4.30	4.50	11.00	2.30	3.00	4.00	4.90	14.00	2.40	3.30	4.00	5.40	20.00
			a) DEC	_ 10	nobust 0	woinht:	no:41	0.1.00	2000 CI -	1100ic = 1	onor				
		(	c) DEC	=-10,	robust-2	weignti	ng with	a 1 arc	sec Ga	ussian ta	aper				
resbin	1	2	650MH:	z 4	5	1 1	2	800MH 3	z 4	5	1 1	2	1100MH	z 4	5
SKA1REF2	2.80	3.00	3.90	4.80	10.00	2.50	3.00	4.00	4.70	13.00	2.50	3.00	4.10	4.70	19.00
SKA1W9-12A54B90	3.40	1.80	3.60	4.10	11.00	2.30	2.10	3.50	4.10	15.00	1.80	2.60	3.50	4.30	21.00
SKA1W9-12A60B100	2.70	1.90	3.50	4.10	13.00	2.00	2.30	3.50	4.20	16.00	1.80	2.60	3.50	4.50	23.00
SKA1W9-12A72B120	2.10	2.20	3.60	4.20	12.00	1.80	2.60	3.40	4.50	15.00	1.70	2.70	3.80	5.30	21.00
SKA1W9-12A80B133	1.90	2.50	3.50	4.30	12.00	1.80	2.70	3.50	5.00	15.00	1.70	2.70	4.00	5.50	21.00
					(d) DE	C = -30,	natural	weight	ing						
					(a) DE	c— 00,	iia ai ai	W015110	6						
I			650MH:	7				800MH	7				1100MH	7	
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2	3.00	0.70	4 50												19.00
		3.70	4.70	5.00	9.90	3.00	3.90	4.50	4.80	13.00	3.10	3.90	4.20	4.50	
SKA1W9-12A54B90	3.10	2.40	3.60	4.00	11.00	3.10	2.20	3.50	3.80	15.00	3.00	2.60	3.30	3.70	21.00
SKA1W9-12A54B90 SKA1W9-12A60B100	3.10 2.90	2.40 2.20	3.60 3.80	4.00 4.00	11.00 12.00	3.10 2.80	2.20 2.30	3.50 3.60	3.80 3.90	15.00 16.00	3.00 2.70	2.60 2.90	3.30 3.30	3.70 3.90	21.00 23.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	3.10	2.40	3.60	4.00	11.00	3.10	2.20	3.50	3.80	15.00	3.00	2.60	3.30	3.70	21.00
SKA1W9-12A54B90 SKA1W9-12A60B100	3.10 2.90 2.60	2.40 2.20 2.40	3.60 3.80 3.90	4.00 4.00 4.00	11.00 12.00 12.00 12.00	3.10 2.80 2.60 2.40	2.20 2.30 2.80 3.10	3.50 3.60 3.60 3.70	3.80 3.90 4.20 4.60	15.00 16.00 15.00	3.00 2.70 2.40	2.60 2.90 3.20	3.30 3.30 3.60	3.70 3.90 4.80	21.00 23.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	3.10 2.90 2.60	2.40 2.20 2.40	3.60 3.80 3.90	4.00 4.00 4.00	11.00 12.00 12.00	3.10 2.80 2.60 2.40	2.20 2.30 2.80 3.10	3.50 3.60 3.60 3.70	3.80 3.90 4.20 4.60	15.00 16.00 15.00	3.00 2.70 2.40	2.60 2.90 3.20	3.30 3.30 3.60	3.70 3.90 4.80	21.00 23.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	3.10 2.90 2.60	2.40 2.20 2.40	3.60 3.80 3.90 3.90	4.00 4.00 4.00 4.20	11.00 12.00 12.00 12.00	3.10 2.80 2.60 2.40	2.20 2.30 2.80 3.10	3.50 3.60 3.60 3.70 weight	3.80 3.90 4.20 4.60	15.00 16.00 15.00	3.00 2.70 2.40	2.60 2.90 3.20	3.30 3.30 3.60 3.90	3.70 3.90 4.80 5.30	21.00 23.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120	3.10 2.90 2.60 2.40	2.40 2.20 2.40 2.60	3.60 3.80 3.90 3.90	4.00 4.00 4.00 4.20	11.00 12.00 12.00 12.00 12.00 (e) DEO	3.10 2.80 2.60 2.40 C=-30, 1	2.20 2.30 2.80 3.10 robust-2	3.50 3.60 3.60 3.70 weight	3.80 3.90 4.20 4.60	15.00 16.00 15.00 15.00	3.00 2.70 2.40	2.60 2.90 3.20 3.40	3.30 3.30 3.60 3.90	3.70 3.90 4.80 5.30	21.00 23.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133	3.10 2.90 2.60 2.40	2.40 2.20 2.40 2.60	3.60 3.80 3.90 3.90 650MH:	4.00 4.00 4.00 4.20	11.00 12.00 12.00 12.00 12.00 (e) DEO	3.10 2.80 2.60 2.40 C=-30, 1	2.20 2.30 2.80 3.10 cobust-2	3.50 3.60 3.60 3.70 weight	3.80 3.90 4.20 4.60 zing	15.00 16.00 15.00 15.00	3.00 2.70 2.40 2.30	2.60 2.90 3.20 3.40	3.30 3.30 3.60 3.90	3.70 3.90 4.80 5.30	21.00 23.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133	3.10 2.90 2.60 2.40 1 2.90	2.40 2.20 2.40 2.60 2.60	3.60 3.80 3.90 3.90 3.90	4.00 4.00 4.00 4.20	11.00 12.00 12.00 12.00 (e) DEC	3.10 2.80 2.60 2.40 2.40 2.20 2.40	2.20 2.30 2.80 3.10 cobust-2	3.50 3.60 3.60 3.70 2 weight 800MH 3 4.40	3.80 3.90 4.20 4.60 2 2 4 4.80	15.00 16.00 15.00 15.00 15.00	3.00 2.70 2.40 2.30 2.30	2.60 2.90 3.20 3.40 2 3.50	3.30 3.30 3.60 3.90 1100MH: 3 4.20	3.70 3.90 4.80 5.30	21.00 23.00 21.00 21.00 5 19.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133	3.10 2.90 2.60 2.40	2.40 2.20 2.40 2.60	3.60 3.80 3.90 3.90 650MH:	4.00 4.00 4.00 4.20	11.00 12.00 12.00 12.00 12.00 (e) DEO	3.10 2.80 2.60 2.40 C=-30, 1	2.20 2.30 2.80 3.10 cobust-2	3.50 3.60 3.60 3.70 weight	3.80 3.90 4.20 4.60 zing	15.00 16.00 15.00 15.00	3.00 2.70 2.40 2.30	2.60 2.90 3.20 3.40	3.30 3.30 3.60 3.90	3.70 3.90 4.80 5.30	21.00 23.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 SKA1W9-12A80B133 Pesbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120	3.10 2.90 2.60 2.40 1 2.90 2.20 2.10 2.10	2.40 2.20 2.40 2.60 2.60 2.3.50 2.20 2.10 2.40	3.60 3.80 3.90 3.90 3.90 650MH: 3 4.60 3.60 3.70 3.80	4.00 4.00 4.00 4.20 z z 4 5.00 3.90 4.00 4.00	11.00 12.00 12.00 12.00 (e) DEO 5 9.90 11.00 12.00	3.10 2.80 2.60 2.40 C=-30, 1 1 2.80 2.10 2.00 2.10	2.20 2.30 2.80 3.10 cobust-2 2 3.60 2.10 2.30 2.70	3.50 3.60 3.60 3.70 2 weight 800MH 3 4.40 3.50 3.60 3.50	3.80 3.90 4.20 4.60 sing z 4 4.80 3.80 3.90 4.20	15.00 16.00 15.00 15.00 15.00 5 13.00 15.00 16.00 15.00	3.00 2.70 2.40 2.30 2.30 1.90 2.00 2.20	2.60 2.90 3.20 3.40 2.50 2.50 2.70 2.90	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.20 3.30 3.60	3.70 3.90 4.80 5.30 2 4 4.50 3.70 3.90 4.80	21.00 23.00 21.00 21.00 21.00 5 19.00 21.00 23.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 Fesbin SKA1REF2 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A50B100	3.10 2.90 2.60 2.40 1 2.90 2.20 2.10	2.40 2.20 2.40 2.60 2.60 2.3.50 2.20 2.10	3.60 3.80 3.90 3.90 650MH: 3 4.60 3.60 3.70	4.00 4.00 4.00 4.20 z z 4 5.00 3.90 4.00	11.00 12.00 12.00 12.00 (e) DEC	3.10 2.80 2.60 2.40 2=-30, 1 1 2.80 2.10 2.00	2.20 2.30 2.80 3.10 cobust-2 2 3.60 2.10 2.30	3.50 3.60 3.60 3.70 2 weight 800MH 3 4.40 3.50 3.60	3.80 3.90 4.20 4.60 sing z 4 4.80 3.80 3.90	15.00 16.00 15.00 15.00 15.00 5 13.00 15.00	3.00 2.70 2.40 2.30 2.30 1.90 2.00	2.60 2.90 3.20 3.40 2 3.50 2.50 2.70	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.20 3.30	3.70 3.90 4.80 5.30 2 4 4.50 3.70 3.90	21.00 23.00 21.00 21.00 21.00 5 19.00 21.00 23.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 SKA1W9-12A80B133 Pesbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120	3.10 2.90 2.60 2.40 1 2.90 2.20 2.10 2.10	2.40 2.20 2.40 2.60 2.60 2.3.50 2.20 2.10 2.40 2.60	3.60 3.80 3.90 3.90 650MH: 3 4.60 3.60 3.70 3.80 3.80	z 4.00 4.00 4.20 z 4 5.00 3.90 4.00 4.20	11.00 12.00 12.00 12.00 (e) DEC 5 9.90 11.00 12.00 12.00	3.10 2.80 2.60 2.40 2=-30, 1 1 2.80 2.10 2.00 2.10 2.10	2.20 2.30 2.80 3.10 cobust-2 2 3.60 2.10 2.30 2.70 2.90	3.50 3.60 3.60 3.70 Weight 800MH 3 4.40 3.50 3.60 3.50 3.60	3.80 3.90 4.20 4.60 2 4 4.80 3.80 3.90 4.20 4.60	15.00 16.00 15.00 15.00 15.00 5 13.00 15.00 16.00 15.00	3.00 2.70 2.40 2.30 2.30 1.90 2.00 2.20 2.30	2.60 2.90 3.20 3.40 2.50 2.50 2.70 2.90	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.20 3.30 3.60	3.70 3.90 4.80 5.30 2 4 4.50 3.70 3.90 4.80	21.00 23.00 21.00 21.00 21.00 5 19.00 21.00 23.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 SKA1W9-12A80B133 Pesbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120	3.10 2.90 2.60 2.40 1 2.90 2.20 2.10 2.10	2.40 2.20 2.40 2.60 2.60 2.3.50 2.20 2.10 2.40 2.60	3.60 3.80 3.90 3.90 650MH: 3 4.60 3.60 3.70 3.80 3.80	z 4.00 4.00 4.20 z 4 5.00 3.90 4.00 4.20	11.00 12.00 12.00 12.00 (e) DEO 5 9.90 11.00 12.00	3.10 2.80 2.60 2.40 2=-30, 1 1 2.80 2.10 2.00 2.10 2.10	2.20 2.30 2.80 3.10 cobust-2 2 3.60 2.10 2.30 2.70 2.90	3.50 3.60 3.60 3.70 Weight 800MH 3 4.40 3.50 3.60 3.50 3.60	3.80 3.90 4.20 4.60 2 4 4.80 3.80 3.90 4.20 4.60	15.00 16.00 15.00 15.00 15.00 5 13.00 15.00 16.00 15.00	3.00 2.70 2.40 2.30 2.30 1.90 2.00 2.20 2.30	2.60 2.90 3.20 3.40 2.50 2.50 2.70 2.90	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.20 3.30 3.60	3.70 3.90 4.80 5.30 2 4 4.50 3.70 3.90 4.80	21.00 23.00 21.00 21.00 21.00 5 19.00 21.00 23.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 SKA1W9-12A80B133 Pesbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120	3.10 2.90 2.60 2.40 1 2.90 2.20 2.10 2.10	2.40 2.20 2.40 2.60 2.60 2.3.50 2.20 2.10 2.40 2.60	3.60 3.80 3.90 3.90 650MH: 3 4.60 3.60 3.70 3.80 3.80	4.00 4.00 4.00 4.20 2 4 5.00 3.90 4.00 4.20 =-30,	11.00 12.00 12.00 12.00 (e) DEC 5 9.90 11.00 12.00 12.00	3.10 2.80 2.60 2.40 2=-30, 1 1 2.80 2.10 2.00 2.10 2.10	2.20 2.30 2.80 3.10 cobust-2 2 3.60 2.10 2.30 2.70 2.90	3.50 3.60 3.60 3.70 Weight 800MH 3 4.40 3.50 3.60 3.50 3.60	3.80 3.90 4.20 4.60 3.80 3.80 3.90 4.20 4.60	15.00 16.00 15.00 15.00 15.00 5 13.00 15.00 16.00 15.00	3.00 2.70 2.40 2.30 2.30 1.90 2.00 2.20 2.30	2.60 2.90 3.20 3.40 2.50 2.50 2.70 2.90	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.20 3.30 3.60	3.70 3.90 4.80 5.30 2 4 4.50 3.70 3.90 4.80 5.30	21.00 23.00 21.00 21.00 21.00 5 19.00 21.00 23.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133	1 2.90 2.40 2.40 1 1 2.90 2.20 2.10 2.10	2.40 2.20 2.40 2.60 2.60 2.350 2.20 2.10 2.40 2.60	3.60 3.80 3.90 3.90 3.90 4.60 3.60 3.60 3.80 3.80 5.00 4.60 6.00 4.60 3.80 3.80	z 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.20  =-30,	11.00 12.00 12.00 12.00 (e) DEC 5 9.90 11.00 12.00 12.00 12.00 robust-2	3.10 2.80 2.60 2.40 2.30 2.10 2.10 2.10 2.10 2.10	2.20 2.30 2.80 3.10 cobust-2 2 3.60 2.10 2.30 2.70 2.90 ng with	3.50 3.60 3.60 3.70 2 weight 800MH 3 4.40 3.50 3.50 3.60 3.50 3.60 a 1 arc	3.80 3.90 4.20 4.60 Sing z 4 4.80 3.80 3.90 4.20 4.60 esec Ga	5 13.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	3.00 2.70 2.40 2.30 2.30 1.90 1.90 2.00 2.20 2.30	2.60 2.90 3.20 3.40 2 3.50 2.50 2.70 2.90 3.00	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.20 3.30 3.60 3.80	3.70 3.90 4.80 5.30 2 4 4.50 3.70 3.90 4.80 5.30	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133	1 2.90 2.40 2.40 1 2.90 2.20 2.10 2.10 2.10	2.40 2.20 2.40 2.60 2.60 2.3.50 2.20 2.10 2.40 2.60	3.60 3.80 3.90 3.90 3.90 4.60 3.70 3.80 (f) DEC	z 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.20  =-30,	11.00 12.00 12.00 12.00 (e) DEC 5 9.90 11.00 12.00 12.00 robust-2	3.10 2.80 2.60 2.40 2.40 2.80 2.10 2.00 2.10 2.10 2.10 2.10 2.10 2.1	2.20 2.30 2.80 3.10 robust-2 2 3.60 2.10 2.30 2.70 2.90 ng with	3.50 3.60 3.60 3.70 2 weight 800MH 3.50 3.50 3.60 a 1 arc 800MH 3	3.80 3.90 4.20 4.60 iing z 4 4.80 3.80 3.90 4.20 4.60 esec Ga	15.00 16.00 15.00 15.00 15.00 15.00 16.00 15.00 ussian ta	3.00 2.70 2.40 2.30 2.30 1.90 2.00 2.20 2.30 2.50	2.60 2.90 3.20 3.40 2.3.50 2.50 2.70 2.90 3.00	3.30 3.30 3.60 3.90 1100MH: 3.20 3.20 3.30 3.60 3.80	3.70 3.90 4.80 5.30 2 4 4.50 3.70 3.90 4.80 5.30	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133	1 2.90 2.40 2.40 1 2.90 2.20 2.10 2.10 2.10 2.10 2.10	2.40 2.20 2.40 2.60 2.60 2.3.50 2.10 2.40 2.60	3.60 3.80 3.90 3.90 3.90 650MH: 3 4.60 3.70 3.80 3.80 650MH: 3 3.90 3.50	z 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.20  =-30,	11.00 12.00 12.00 12.00 (e) DEC 5 9.90 11.00 12.00 12.00 12.00 robust-2	3.10 2.80 2.60 2.40 2.40 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.20 2.10 2.1	2.30 2.30 2.80 3.10 cobust-2 2 3.60 2.10 2.30 2.70 2.90 mg with	3.50 3.60 3.60 3.70 2 weight 800MH 3 4.40 3.50 3.60 3.50 3.60 a 1 arc	3.80 3.90 4.20 4.60 2 4.80 3.80 3.90 4.20 4.60 esec Ga	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	1 1 2.50 1.80	2.60 2.90 3.20 3.40 2 3.50 2.50 2.70 2.90 3.00	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.20 3.30 3.60 3.80	3.70 3.90 4.80 5.30 2 4 4.50 3.70 3.90 4.80 5.30	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133	1 2.90 2.40 2.40 1 2.90 2.20 2.10 2.10 2.10 2.10 2.20 2.10 2.1	2.40 2.20 2.40 2.60 2.60 2.3.50 2.20 2.10 2.40 2.60 (	3.60 3.80 3.90 3.90 3.90 4.60 3.70 3.80 (f) DEC 650MH: 3 3.90 3.50	z 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.20  =-30, z 4 4.80 4.10	11.00 12.00 12.00 12.00 (e) DEC 5 9.90 11.00 12.00 12.00 robust-2	2.80 2.80 2.60 2.40 2.30, 1 2.80 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.20 2.30 2.80 3.10 2.00 2.10 2.30 2.70 2.90 ng with	3.50 3.60 3.60 3.70 2 weight 800MH 3.50 3.50 3.60 a 1 arc 800MH 3 4.10 3.50 3.50 3.50	3.80 3.90 4.20 4.60 2 4.80 3.80 3.80 4.20 4.60 2 2 4 4.70 4.10	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 ussian ta	2.70 2.40 2.30 2.30 2.30 2.30 1.90 2.00 2.20 2.20 2.30 2.50 1.80	2.60 2.90 3.20 3.40 2.50 2.50 2.70 2.90 3.00 2.60 2.70 2.70	3.30 3.30 3.60 3.90 1100MH 3 4.20 3.20 3.30 3.60 3.80	3.70 3.90 4.80 5.30 2 4 4.50 3.70 3.90 4.80 5.30	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133	1 2.90 2.40 2.40 1 2.90 2.20 2.10 2.10 2.10 2.10 2.10	2.40 2.20 2.40 2.60 2.60 2.3.50 2.10 2.40 2.60	3.60 3.80 3.90 3.90 3.90 650MH: 3 4.60 3.70 3.80 3.80 650MH: 3 3.90 3.50	z 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.20  =-30,	11.00 12.00 12.00 12.00 (e) DEC 5 9.90 11.00 12.00 12.00 12.00 robust-2	3.10 2.80 2.60 2.40 2.40 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.20 2.10 2.1	2.30 2.30 2.80 3.10 cobust-2 2 3.60 2.10 2.30 2.70 2.90 mg with	3.50 3.60 3.60 3.70 2 weight 800MH 3 4.40 3.50 3.60 3.50 3.60 a 1 arc	3.80 3.90 4.20 4.60 2 4.80 3.80 3.90 4.20 4.60 esec Ga	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	1 1 2.50 1.80	2.60 2.90 3.20 3.40 2 3.50 2.50 2.70 2.90 3.00	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.20 3.30 3.60 3.80	3.70 3.90 4.80 5.30 2 4 4.50 3.70 3.90 4.80 5.30	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90	1 2.90 2.40 2.40 1 2.90 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 2.350 2.20 2.10 2.40 2.60 ( 2 3.00 1.80 1.90 2.20	3.60 3.80 3.90 3.90 4.60 3.70 3.80 3.70 3.80 3.3.80 3.3.80 3.50 3.50 3.50	4.00 4.00 4.00 4.20	11.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 12.00 12.00 11.00 12.00 11.00 12.00 11.00 12.00	3.10 2.80 2.60 2.40 2-30, 1 2.80 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.20 2.30 2.80 3.10 20bust-2 2 3.60 2.70 2.90 2.90 2.00 2.00 2.60 2.70	3.50 3.60 3.60 3.70 2 weight 800MH 3 4.40 3.50 3.50 3.60 3.50 3.60 4.10 3.50 3.50 3.50 3.50 3.50	3.80 3.90 4.20 4.60 2 4 4.80 3.80 3.80 3.90 4.20 4.60 2 4.70 4.10 4.10 4.40 4.40 4.90	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	1 2.90 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	2.60 2.90 3.20 3.40 2.50 2.50 2.70 2.90 3.00 2.60 2.70 2.70	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.30 3.60 3.80 1100MH: 3 4.00 3.40 3.50 3.80	3.70 3.90 4.80 5.30 2 4 4.50 3.70 3.90 4.80 5.30	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90	1 2.90 2.40 2.40 1 2.90 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 2.60 2.3.50 2.20 2.10 2.40 2.60 (	3.60 3.80 3.90 3.90 4.60 3.70 3.80 3.70 3.80 3.3.80 3.3.80 3.50 3.50 3.50	4.00 4.00 4.00 4.20	11.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 12.00 12.00 11.00 12.00 11.00 12.00 11.00 12.00	3.10 2.80 2.60 2.40 2.30 2.10	2.20 2.30 2.80 3.10 20bust-2 2 3.60 2.70 2.90 2.90 2.00 2.00 2.60 2.70	3.50 3.60 3.60 3.70 2 weight 800MH 3 4.40 3.50 3.50 3.60 3.50 3.60 4.10 3.50 3.50 3.50 3.50 3.50	3.80 3.90 4.20 4.60 cing z 4 4.80 3.80 3.90 4.20 4.60 2 4.70 4.10 4.10 4.40 4.40 4.90	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	1 2.90 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	2.60 2.90 3.20 3.40 2.50 2.50 2.70 2.90 3.00 2.60 2.70 2.70	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.30 3.60 3.80 1100MH: 3 4.00 3.40 3.50 3.80	3.70 3.90 4.80 5.30 2 4 4.50 3.70 3.90 4.80 5.30	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90	1 2.90 2.40 2.40 1 2.90 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 2.60 2.3.50 2.20 2.10 2.40 2.60 (	3.60 3.80 3.90 3.90 3.90 4.60 3.70 3.80 3.80 3.80 3.80 3.50 650MH: 3 3.50 3.50 3.50	z 4.00 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.20  =-30, z 4 4.80 4.10 4.10 4.10 4.20 4.30	11.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 12.00 12.00 11.00 12.00 11.00 12.00 11.00 12.00	3.10 2.80 2.60 2.40 2-30, 1 2.80 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.20 2.30 2.80 3.10 20bust-2 2 3.60 2.70 2.90 2.90 2.00 2.00 2.60 2.70	3.50 3.60 3.60 3.70 2 weight 800MH 3.50 3.60 3.50 3.60 4.10 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.5	3.80 3.90 4.20 4.60 iing z 4 4.80 3.80 4.20 4.60 esec Ga z 4 4.70 4.10 4.10 4.90 iing	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	1 2.90 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	2.60 2.90 3.20 3.40 2.50 2.50 2.70 2.90 3.00 2.60 2.70 2.70	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.20 3.30 3.60 3.80 1100MH: 3 4.00 3.40 3.40 3.50 3.80	3.70 3.90 4.80 5.30 2 4 4.50 3.70 4.80 5.30 2 4 4.70 4.20 4.50 5.30 5.50	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 20.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A54B90	1 2.90 2.40 2.40 2.40 2.20 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 2.350 2.20 2.10 2.40 2.60 ( 2.300 1.80 1.90 2.20 2.40	3.60 3.80 3.90 3.90 3.90 650MH: 3 4.60 3.70 3.80 (f) DEC 650MH: 3 3.90 3.50 3.50 3.50 3.50	z 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.00 4.20  =-30, z 4.80 4.10 4.20 4.30	11.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 12.00 12.00 12.00 11.00 12.00 11.00 12.00 12.00 10.00 11.00 12.00 10	2.80 2.80 2.60 2.40 2.20 2.10 2.00 2.10 2.10 2.10 2.10 2.1	2.20 2.30 3.10 2.80 3.10 2.00 2.10 2.30 2.70 2.90 2.90 2.00 2.00 2.60 2.70 2.70	3.50 3.60 3.60 3.70 2 weight 800MH 3.50 3.60 a 1 arc 800MH 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	3.80 3.90 4.20 4.60 cing z 4 4.80 3.80 3.90 4.20 4.40 2 4.10 4.10 4.10 4.40 4.90 ing	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	3.00 2.70 2.40 2.30 2.30 1.90 2.00 2.20 2.20 2.30 aper 1.80 1.80 1.80 1.70	2.60 2.90 3.20 3.40 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.30 3.60 3.80 1100MH: 3 4.00 3.40 3.50 3.80 4.00	z 4.50 5.30 2.4 4.50 3.70 3.90 4.80 5.30 2.4 4.70 4.20 4.50 5.30	21.00 23.00 21.00 21.00 21.00 21.00 21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90	1 2.90 2.40 2.40 1 2.90 2.10 2.10 2.10 2.10 2.10 2.10 1 2.80 3.50 2.80 2.10 1.90	2.40 2.20 2.40 2.60 2.35 2.20 2.10 2.40 2.60 ( 2 3.00 1.80 1.90 2.20 2.40	3.60 3.80 3.90 3.90 3.90  650MH: 3 4.60 3.60 3.70 3.80 3.70 3.80 3.50 3.50 3.50 3.50 3.50 3.50	z 4.00 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.00 4.20  =-30, z 4 4.80 4.10 4.10 4.20 4.30	11.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 12.00 12.00 11.00 11.00 12.00 11.00 12.00 15 10.00 11.00 12.00 11.00 12.00 15 15 10.00 11.00 12.00 11.00	3.10 2.80 2.60 2.40 2.40 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.30 2.80 3.10  cobust-2  2 3.60 2.10 2.30 2.70 2.90 ng with  2 2.90 2.00 2.20 2.60 2.70  natural	3.50 3.60 3.60 3.70 2 weight 800MH 3.50 3.50 3.60 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.5	3.80 3.90 4.20 4.60 cing z 4 4.80 3.80 3.90 4.20 4.60 esec Ga z 4 4.70 4.10 4.10 4.90 ing	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 14.00 14.00 15.00 14.00	3.00 2.70 2.40 2.30 2.30 1.90 2.20 2.20 2.20 2.30 1.80 1.80 1.70	2.60 2.90 3.20 3.40 2.350 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70	3.30 3.30 3.60 3.90 1100MH: 3.20 3.30 3.60 3.80 1100MH: 3.40 3.50 3.40 4.00	3.70 3.90 4.80 5.30  z 4 4.50 3.70 3.70 3.70 4.80 5.30  z 4 4.70 4.20 4.50 5.30 5.50	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A54B90	1 2.90 2.40 2.40 2.40 2.20 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 2.350 2.20 2.10 2.40 2.60 ( 2.300 1.80 1.90 2.20 2.40	3.60 3.80 3.90 3.90 3.90 650MH: 3 4.60 3.70 3.80 (f) DEC 650MH: 3 3.90 3.50 3.50 3.50 3.50	z 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.00 4.20  =-30, z 4.80 4.10 4.20 4.30	11.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 12.00 12.00 12.00 11.00 12.00 11.00 12.00 12.00 10.00 11.00 12.00 10	2.80 2.80 2.60 2.40 2.20 2.10 2.00 2.10 2.10 2.10 2.10 2.1	2.20 2.30 3.10 2.80 3.10 2.00 2.10 2.30 2.70 2.90 2.90 2.00 2.00 2.60 2.70 2.70	3.50 3.60 3.60 3.70 2 weight 800MH 3.50 3.60 a 1 arc 800MH 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	3.80 3.90 4.20 4.60 cing z 4 4.80 3.80 3.90 4.20 4.40 2 4.10 4.10 4.10 4.40 4.90 ing	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	3.00 2.70 2.40 2.30 2.30 1.90 2.00 2.20 2.20 2.30 aper 1.80 1.80 1.80 1.70	2.60 2.90 3.20 3.40 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.30 3.60 3.80 1100MH: 3 4.00 3.40 3.50 3.80 4.00	z 4.50 5.30 2.4 4.50 3.70 3.90 4.80 5.30 2.4 4.70 4.20 4.50 5.30	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90	1 2.90 2.40 2.40 1 2.90 2.20 2.10 2.10 2.10 2.10 1 1 2.80 3.50 2.80 2.10 1.90	2.40 2.20 2.40 2.60 2.60 2.3.50 2.10 2.40 2.60 ( 2.3.00 1.80 1.90 2.20 2.40 2.40 2.40	3.60 3.80 3.90 3.90 3.90 3.90  650MH: 3 4.60 3.70 3.80 3.70 3.80 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.5	z 4.00 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.00 4.20  =-30, z 4 4.80 4.10 4.10 4.20 4.30  z 4 4.80 3.80 3.80	11.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 12.00 12.00 12.00 11.00 11.00 12.00 11.00 12.00 11.00 11.00 11.00 12.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00	3.10 2.80 2.60 2.60 2.40 C=-30, 1 2.80 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.50 2.40 2.10 1.80 C=-50,	2.30 2.30 2.80 3.10  cobust-2  2 3.60 2.10 2.30 2.70 2.90 2.20 2.20 2.20 2.40 2.30 2.70  matural	3.50 3.60 3.60 3.70 2 weight 800MH 3.50 3.50 3.60 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.5	3.80 3.90 4.20 4.60 sing 2 4 4.80 3.80 3.90 4.20 4.20 4.10 4.10 4.10 4.10 4.10 4.10 4.10 3.90 3.90 3.90 4.20 3.20 4.20 3.00 3.00	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 14.00 14.00 15.00 14.00 15.00 14.00	3.00 2.70 2.40 2.30 2.30 2.30 1.90 2.20 2.30 2.20 2.30 3.00 1.80 1.80 1.70	2.60 2.90 3.20 3.40 2.3.50 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70 2.70 2.70 2.70	3.30 3.30 3.60 3.90 1100MH: 3.20 3.30 3.60 3.80 1100MH: 3.40 3.50 3.80 4.00	3.70 3.90 4.80 5.30  z  4 4.50 3.70 3.90 4.80 5.30  z  4 4.70 4.20 4.50 5.30 5.50	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90	1 2.90 2.40 2.40 2.40 2.20 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 2.60 2.35 2.20 2.10 2.40 2.60 ( 2.30 2.40 2.20 2.40 2.20 2.40 2.20 2.40	3.60 3.80 3.90 3.90 3.90 650MH: 3 4.60 3.70 3.80 (f) DEC 650MH: 3 3.90 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.5	z 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.00 4.20  =-30, z 4.80 4.10 4.20 4.30  z 4.80 3.80 3.80 3.90	11.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 robust-2  5 10.00 11.00 12.00 11.00 12.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00	2.80 2.80 2.60 2.40 2.60 2.40 2.10 2.00 2.10	2.20 2.30 2.80 3.10 2.00 2.10 2.30 2.70 2.90 2.00 2.20 2.60 2.70 natural	3.50 3.60 3.60 3.70 2 weight 800MH 3.50 3.60 a 1 arc 800MH 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	3.80 3.90 4.20 4.60 Sing 2 4 4.80 3.80 3.90 4.20 4.80 3.80 3.90 4.20 4.10	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 14.00 15.00 15.00 15.00 15.00	3.00 2.70 2.40 2.30  1 2.90 1.90 2.20 2.20 2.30  aper  1 2.50 1.80 1.70 1.70 1.70	2.60 2.90 3.20 3.40 2.50 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70 2.70 2.70 2.70	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.30 3.80 1100MH: 3 4.00 3.40 3.50 3.80 4.00	z 4 4.50 3.70 3.90 4.80 5.30  z 4 4.50 3.70 3.90 4.80 5.30  z 4 4.70 4.20 4.50 5.30 5.50  z 4 4.30 3.60 3.80 4.70	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90	1 2.90 2.40 2.40 1 2.90 2.20 2.10 2.10 2.10 2.10 1 1 2.80 3.50 2.80 2.10 1.90	2.40 2.20 2.40 2.60 2.60 2.3.50 2.10 2.40 2.60 ( 2.3.00 1.80 1.90 2.20 2.40 2.40 2.40	3.60 3.80 3.90 3.90 3.90 3.90  650MH: 3 4.60 3.70 3.80 3.70 3.80 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.5	z 4.00 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.00 4.20  =-30, z 4 4.80 4.10 4.10 4.20 4.30  z 4 4.80 3.80 3.80	11.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 12.00 12.00 12.00 11.00 11.00 12.00 11.00 12.00 11.00 11.00 11.00 12.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00	3.10 2.80 2.60 2.60 2.40 C=-30, 1 2.80 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.50 2.40 2.10 1.80 C=-50,	2.30 2.30 2.80 3.10  cobust-2  2 3.60 2.10 2.30 2.70 2.90 2.20 2.20 2.20 2.40 2.30 2.70  matural	3.50 3.60 3.60 3.70 2 weight 800MH 3.50 3.50 3.60 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.5	3.80 3.90 4.20 4.60 sing 2 4 4.80 3.80 3.90 4.20 4.20 4.10 4.10 4.10 4.10 4.10 4.10 4.10 3.90 3.90 3.90 4.20 3.20 4.20 3.00 3.00	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 14.00 14.00 15.00 14.00 15.00 14.00	3.00 2.70 2.40 2.30 2.30 2.30 1.90 2.20 2.30 2.20 2.30 3.00 1.80 1.80 1.70	2.60 2.90 3.20 3.40 2.3.50 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70 2.70 2.70 2.70	3.30 3.30 3.60 3.90 1100MH: 3.20 3.30 3.60 3.80 1100MH: 3.40 3.50 3.80 4.00	3.70 3.90 4.80 5.30  z  4 4.50 3.70 3.90 4.80 5.30  z  4 4.70 4.20 4.50 5.30 5.50	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90	1 2.90 2.40 2.40 2.40 2.20 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 2.60 2.35 2.20 2.10 2.40 2.60 ( 2.30 2.40 2.20 2.40 2.20 2.40 2.20 2.40	3.60 3.80 3.90 3.90 3.90 650MH: 3 4.60 3.70 3.80 (f) DEC 650MH: 3 3.90 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.5	z 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.00 4.20  =-30, z 4.80 4.10 4.20 4.30  z 4.80 3.80 3.80 3.90	11.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 robust-2  5 10.00 11.00 12.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00	1   2.80   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.20   2.10   2.2	2.20 2.30 2.80 3.10 2.00 2.10 2.30 2.70 2.90 2.00 2.20 2.60 2.70 natural	3.50 3.60 3.60 3.70 2 weight 800MH 3.50 3.60 a 1 arc 800MH 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	3.80 3.90 4.20 4.60 sing  2  4  4.80  3.80  3.90  4.20  4.60  sec Ga  2  4  4.70  4.10  4.40  4.90  ing  2  4  4.70  3.80  4.40	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 14.00 15.00 15.00 15.00 15.00	3.00 2.70 2.40 2.30  1 2.90 1.90 2.20 2.20 2.30  aper  1 2.50 1.80 1.70 1.70 1.70	2.60 2.90 3.20 3.40 2.50 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70 2.70 2.70 2.70	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.30 3.80 1100MH: 3 4.00 3.40 3.50 3.80 4.00	z 4 4.50 3.70 3.90 4.80 5.30  z 4 4.50 3.70 3.90 4.80 5.30  z 4 4.70 4.20 4.50 5.30 5.50  z 4 4.30 3.60 3.80 4.70	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90	1 2.90 2.40 2.40 2.40 2.20 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 2.60 2.35 2.20 2.10 2.40 2.60 ( 2.30 2.40 2.20 2.40 2.20 2.40 2.20 2.40	3.60 3.80 3.90 3.90 3.90 650MH: 3 4.60 3.70 3.80 (f) DEC 650MH: 3 3.90 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.5	z 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.00 4.20  =-30, z 4.80 4.10 4.20 4.30  z 4.80 3.80 3.80 3.90	11.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 robust-2  5 10.00 11.00 12.00 11.00 12.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00	1   2.80   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.20   2.10   2.2	2.20 2.30 2.80 3.10 2.00 2.10 2.30 2.70 2.90 2.00 2.20 2.60 2.70 natural	3.50 3.60 3.60 3.70 2 weight 800MH 3.50 3.60 a 1 arc 800MH 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	3.80 3.90 4.20 4.60 Sing  2  4  4.80  3.80  3.90  4.20  4.60  Sec Ga  2  4  4.70  4.10  4.40  4.90  sing  2  4  4.70  3.80  4.40	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 14.00 15.00 15.00 15.00 15.00	3.00 2.70 2.40 2.30  1 2.90 1.90 2.20 2.20 2.30  aper  1 2.50 1.80 1.70 1.70 1.70	2.60 2.90 3.20 3.40 2.50 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70 2.70 2.70 2.70	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.30 3.80 1100MH: 3 4.00 3.40 3.50 3.80 4.00	z 4 4.50 3.70 3.90 4.80 5.30  z 4 4.50 3.70 3.90 4.80 5.30  z 4 4.70 4.20 4.50 5.30 5.50  z 4 4.30 3.60 3.80 4.70	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90	1 2.90 2.40 2.40 2.40 2.20 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 2.60 2.35 2.20 2.10 2.40 2.60 ( 2.30 2.40 2.20 2.40 2.20 2.40 2.20 2.40	650MH: 3 4.60 3.70 3.80 3.70 3.80 3.80 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.5	z 4.00 4.00 4.00 4.00 4.20  z 4 5.00 4.00 4.00 4.00 4.00 4.20  z 4.00 4.00 4.20  z 4.80 4.10 4.10 4.10 4.20 4.30  z 4.80 3.80 3.80 3.80 3.90 4.00	11.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 robust-2  5 10.00 11.00 12.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00	1   2.80   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.20   2.10   2.2	2.20 2.30 2.80 3.10 2.00 2.10 2.30 2.70 2.90 2.00 2.20 2.60 2.70 natural	3.50 3.60 3.60 3.70 2 weight 800MH 3 4.40 3.50 3.60 3.50 3.60 3.50 3.60 3.50 3.60 3.50 3.60 3.50	3.80 3.90 4.20 4.60 sing 2 4 4.80 3.80 3.90 4.20 4.60 esec Ga 2 4.70 4.10	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 14.00 15.00 15.00 15.00 15.00	3.00 2.70 2.40 2.30  1 2.90 1.90 2.20 2.20 2.30  aper  1 2.50 1.80 1.70 1.70 1.70	2.60 2.90 3.20 3.40 2.50 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70 2.70 2.70 2.70	3.30 3.30 3.60 3.90 3.20 3.20 3.30 3.60 3.80 1100MH: 3.40 3.50 3.80 4.00	z 4 4.50 3.90 4.80 5.30  z 4 4.50 3.70 3.90 4.80 5.30  z 4 4.70 4.20 4.50 5.30 5.50  z 4 4.30 3.60 3.80 4.70 5.30	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90	1 2.90 2.40 2.40 2.40 2.20 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 2.60 2.35 2.20 2.10 2.40 2.60 ( 2.30 2.40 2.20 2.40 2.20 2.40 2.20 2.40	3.60 3.80 3.90 3.90 3.90 650MH: 3 4.60 3.70 3.80 (f) DEC 650MH: 3 3.90 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.5	z 4.00 4.00 4.00 4.00 4.20  z 4 5.00 4.00 4.00 4.00 4.00 4.20  z 4.00 4.00 4.20  z 4.80 4.10 4.10 4.10 4.20 4.30  z 4.80 3.80 3.80 3.80 3.90 4.00	11.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 robust-2  5 10.00 11.00 12.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00	1   2.80   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.10   2.20   2.10   2.2	2.20 2.30 2.80 3.10 2.00 2.10 2.30 2.70 2.90 2.00 2.20 2.60 2.70 natural	3.50 3.60 3.60 3.70 2 weight 800MH 3.50 3.60 a 1 arc 800MH 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	3.80 3.90 4.20 4.60 sing 2 4 4.80 3.80 3.90 4.20 4.60 esec Ga 2 4.70 4.10	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 14.00 15.00 15.00 15.00 15.00	3.00 2.70 2.40 2.30  1 2.90 1.90 2.20 2.20 2.30  aper  1 2.50 1.80 1.70 1.70 1.70	2.60 2.90 3.20 3.40 2.50 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70 2.70 2.70 2.70	3.30 3.30 3.60 3.90 1100MH: 3 4.20 3.30 3.80 1100MH: 3 4.00 3.40 3.50 3.80 4.00	z 4 4.50 3.90 4.80 5.30  z 4 4.50 3.70 3.90 4.80 5.30  z 4 4.70 4.20 4.50 5.30 5.50  z 4 4.30 3.60 3.80 4.70 5.30	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B133	1 2.90 2.40 2.40 2.40 2.20 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 2.35 2.20 2.10 2.40 2.60 ( 2 3.00 1.80 1.90 2.20 2.40 2.20 2.40 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	3.60 3.80 3.90 3.90 3.90 3.90  650MH: 3 4.60 3.70 3.80 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.5	z 4 4.00 4.00 4.00 4.20  z 4 5.00 4.00 4.00 4.00 4.00 4.00 4.00 4.	11.00 12.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 12.00 11.00 11.00 (g) DEC  5 9.90 11.00 11.00 (h) DEC	3.10 2.80 2.60 2.60 2.40 C=-30, 1 2.80 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.30 2.30 2.80 3.10  cobust-2  2 3.60 2.10 2.30 2.70 2.90 ng with  2 2.90 2.00 2.00 2.00 2.00 2.00 2.00 2	3.50 3.60 3.60 3.70 2 weight 800MH 3 4.40 3.50 3.60 3.50 3.60 3.50	3.80 3.90 4.20 4.60 sing z 4 4.80 3.80 3.90 4.20 4.20 4.10	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00 14.00 15	3.00 2.70 2.40 2.30  1 2.90 2.20 2.30  2.90 2.20 2.30  2.90 1.80 1.80 1.80 1.70 1.70 1.70  1.20 2.20 2.20 2.20 2.20 2.20 2.20 2.	2.60 2.90 3.40 3.40 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70 2.70 2.70 2.70 2.3.80 2.60 2.70 2.70 2.70 2.3.8	3.30 3.30 3.30 3.60 3.90  1100MH: 3 4.20 3.30 3.60 3.80  1100MH: 3 4.00 3.50 3.80 4.10 1100MH: 3 4.10 3.70 1100MH: 3 4.10 3.70 1100MH: 3.70 3.80 4.00	3.70 3.90 4.80 5.30  z 4 4.50 3.70 3.90 4.80 5.30  z 4 4.70 4.20 4.50 5.30 5.50  z 4 4.30 3.60 3.80 4.70 5.30	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90	1 2.90 2.40 2.40 2.40 2.20 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 3.50 2.20 2.10 2.40 2.60 1.90 2.20 2.40 2.20 2.40 2.20 2.30 2.20 2.40	3.60 3.80 3.90 3.90 3.90 3.90 3.90 650MH: 3 3.60 3.70 3.80 650MH: 3 3.50 3.50 3.50 3.50 3.50 3.80 3.80 650MH: 3 4.40 3.80 3.80	z 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.20  =-30, z 4 4.80 4.10 4.20 4.30  z 4 4.80 3.80 3.80 3.90 4.00	11.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 12.00 12.00 12.00 12.00 11.00 12.00 11.00	2.80 2.20 2.10 2.20 2.10 2.20 2.10 2.10 2.1	2.20 2.30 3.10  robust-2  2 3.60 2.10 2.30 2.70 2.90 ng with  2 2.90 2.00 2.20 2.60 2.70 3.80 2.10 2.20 2.60 2.70 3.00  cobust-2	3.50 3.60 3.70 2 weight 800MH 3 4.40 3.50 3.60 3.50	3.80 3.90 4.20 4.60 sing  2  4  4.80  3.80  3.90  4.20  4.60  sec Ga  2  4  4.70  4.10  4.40  4.90  ing  2  4.70  3.70  3.80  sec Ga  4.70  3.70  3.70  3.70  3.70  3.70  3.70  3.70  3.70  3.70  3.70  3.70  3.70	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00 15.00 16	3.00 2.70 2.40 2.30  1 2.90 1.90 2.00 2.20 2.30  2.50 1.80 1.70 1.70 1.70 2.40 2.20 2.40 2.20 2.40 2.10 2.80 1.90 2.70 2.40 2.20	2.60 2.90 3.20 3.40 2.50 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70 2.70 2.70 2.70 2.38 2.60 2.60 2.30 3.20 3.20 3.20 3.20 3.20 3.20 3.2	3.30 3.30 3.60 3.90  1100MH: 3 4.20 3.30 3.80  1100MH: 3 4.00 3.40 1100MH: 3 4.10 3.20 3.370 1100MH: 3 4.10 3.20 3.370	z 4 4.50 5.30  z 4 4.50 5.30  z 4 4.50 5.30  z 4 4.70 4.20 5.30 5.50  z 4 4.70 4.50 5.30 5.50	21.00 23.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A54B90	1 2.90 2.40 2.40 2.40 2.40 2.20 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 2.3.50 2.20 2.10 2.40 2.60 2.3.00 1.80 1.90 2.20 2.40 2.20 2.3.00 2.20 2.3.00 2.20 2.40 2.20 2.20 2.20 2.20 2.20 2	650MH: 3 4.60 3.80 3.90 3.90 3.90  650MH: 3 3.80 650MH: 3 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.	z 4.00 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.00 4.00 4.20  =-30,  z 4 4.80 4.10 4.20 4.30  z 4 4.80 3.80 3.80 3.90 4.00  z 4 4.80 3.80 3.80 3.80 3.80 3.80 3.80 3.80 3	11.00 12.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 12.00 12.00 11.00	3.10 2.80 2.60 2.40 C=-30, 1 2.80 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.20 2.30 2.80 3.10  cobust-2  2 3.60 2.10 2.30 2.70 2.90 ng with  2 2.90 2.00 2.20 2.60 2.70 3.00  cobust-2  2 3.80 3.10 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2	3.50 3.60 3.60 3.70 2 weight 800MH 3.50 3.60 3.50 3.60 3.50 3.60 3.50 3.60 3.50 3.60 3.50 3	3.80 3.90 4.20 4.60 sing 2 4 4.80 3.80 3.90 4.20 4.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 6.00	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00	3.00 2.70 2.30  1	2.60 2.90 3.20 3.40 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.7	3.30 3.30 3.60 3.90  1100MH: 3 4.20 3.30 3.80 1100MH: 3 4.00 3.40 3.50 3.80 4.00  1100MH: 3 4.00 3.10 3.30 3.70	z 4 4.50 3.70 3.90 4.80 5.30  z 4 4.50 3.70 3.90 4.80 5.30  z 4 4.70 4.20 4.50 5.30 5.50  z 4 4.30 3.60 3.80 4.70 5.30	21.00 23.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90	1 2.90 2.40 2.40 2.40 2.40 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 2.40 2.60 2.20 2.10 2.40 2.60 1.80 1.90 2.20 2.40 2.20 2.30 2.50	3.60 3.80 3.90 3.90 3.90 3.90  650MH: 3 4.60 3.70 3.80 3.70 3.80 3.50 3.50 3.50 3.50 3.50 3.50 3.60 3.80 3.80 3.80 3.80 3.80 3.80 3.80 3.8	z 4.00 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.00 4.20  z 4 4.80 4.10 4.10 4.20 4.30  z 4 4.80 3.80 3.80 3.80 3.80 3.80 3.80 3.80 3	11.00 12.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 11.00 11.00 11.00 11.00 (f) DEC  (h) DEC	3.10 2.80 2.60 2.40 C=-30, 1  1 2.80 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.30 2.30 2.80 3.10  cobust-2  2 3.60 2.10 2.30 2.70 2.90 2.90 2.00 2.20 2.70 anatural  2 3.80 2.70 2.90 cobust-2  2 3.80 2.10 2.20 2.70 3.00 cobust-2	3.50 3.60 3.60 3.70 2 weight 800MH 3 4.40 3.50 3.60 3.50 3.60 3.50	3.80 3.90 4.20 4.60 sing 2 4 4.80 3.80 3.90 4.20 4.20 4.10	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00 15.00 14.00 15.00 15.00 15.00 15.00	3.00 2.70 2.30  1 2.90 2.30  1.90 2.20 2.30  2.30  2.30  2.30 2.20 2.30  2.30	2 3.50 2.70 2.90 3.40 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70 2.70 2.70 2.40 2.40 2.40 2.90	3.30 3.30 3.30 3.60 3.90  1100MH: 3 4.20 3.30 3.60 3.80  1100MH: 3 4.00 3.40 3.50 3.50 3.70  1100MH: 3 4.00 3.40 3.50 3.70	3.70 3.90 4.80 5.30  z  4 4.50 3.70 3.90 4.80 5.30  z  4 4.70 4.20 4.50 5.30 5.50  z  4 4.70 5.30 5.50	21.00 23.00 21.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A54B90	1 2.90 2.40 2.40 2.40 2.40 2.20 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.40 2.20 2.40 2.60 2.40 2.60 2.20 2.10 2.40 2.60 1.80 1.90 2.20 2.40 2.20 2.30 2.20 2.30 2.20 2.30 2.20 2.30 2.20 2.30 2.20 2.30 2.20 2.30 2.20 2.30 2.3	3.60 3.80 3.90 3.90 3.90 3.90  650MH: 3 4.60 3.70 3.80 3.50 3.50 3.50 3.50 3.50 3.50 3.60 3.80 3.80 3.80 3.80 3.80 3.80 3.80 3.8	z 4.00 4.00 4.00 4.00 4.20  z 4 5.00 3.90 4.00 4.00 4.20  z 4.80 4.10 4.10 4.10 4.10 4.20 4.30  z 4 4.80 3.80 3.80 3.80 3.80 3.80 3.80 3.80 3	11.00 12.00 12.00 12.00 12.00 12.00 (e) DEC  5 9.90 11.00 12.00 12.00 12.00 12.00 11.00	3.10 2.80 2.60 2.40 2.40 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2.30 2.30 2.80 3.10  cobust-2  2 3.60 2.10 2.30 2.70 2.90 2.00 2.00 2.20 2.60 2.70  matural  2 3.80 2.10 2.20 2.70 2.20 2.70 2.20 2.70 2.20 2.70 3.00 2.20 2.20 2.20 2.20 2.20 2.20 2.2	3.50 3.60 3.60 3.70 2 weight 800MH 3 4.40 3.50	3.80 3.90 4.20 4.60 sing    4 4.80 3.80 3.90 4.20 4.60 seec Ga   4 4.70 4.10 4.10 4.10 4.90 sing    4 4.70 3.70 3.80 4.10 4.40 sing   4 4.70 3.70 3.70 3.70 3.70 3.70 3.70 3.70 4.10 4.40	15.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00 14.00 15.00 15.00 14.00 15.00 15.00 15.00 15.00 16.00 15.00 16.00 15.00 16	3.00 2.70 2.40 2.30  1 2.90 2.20 2.30  2.30  2.90 2.20 2.30  1.80 1.80 1.80 1.80 1.70 1.70 1.70  1 3.00 2.70 2.40 2.20 2.20 2.20 2.20 2.20 2.20	2.60 2.90 3.20 3.40 2.50 2.70 2.90 3.00 2.60 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.7	3.30 3.30 3.60 3.90  1100MH: 3 4.20 3.30 3.80 1100MH: 3 4.00 3.40 3.50 3.80 4.00  1100MH: 3 4.00 3.10 3.30 3.70	z 4 4.50 3.70 3.90 4.80 5.30  z 4 4.50 3.70 3.90 4.80 5.30  z 4 4.70 4.20 4.50 5.30 5.50  z 4 4.30 3.60 3.80 4.70 5.30	21.00 23.00 21.00

(i) DEC=-50, robust-2 weighting with a 1 arcsec Gaussian taper

Table 4: Noise (in  $\mu$ Jy) for a 50MHz band after an 8hr synthesis with a 60s integration for the differenr layouts at different scales. These values are generated at 650, 800 and 1100 MHz, at angular scales {0.4-1, 1-2, 2-3, 3-4, 600-3600} arcsec labeled as resbin {1, 2, 3, 4, 5} respectively, for natural, robust-2 weighting and robust-2 weighting with a 1 arcsec Gaussian taper. For each column, the intensity of the color increases with the value.

			650MHz					800MHz					1100MHz		
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2 SKA1W9-12A54B90	2.00	1.60	2.10 1.90	2.60	5.20 6.00	1.40	1.60	2.20 1.90	2.60	6.60 7.70	1.40	1.60	2.20 1.90	2.60	9.40
SKA1W9-12A54B90 SKA1W9-12A60B100	1.60	1.10	1.90	2.20	6.40	1.20	1.10	1.90	2.30	8.40	0.98	1.40	1.90	2.40	12.00
SKA1W9-12A72B120	1.20	1.20	1.90	2.20	6.10	1.00	1.40	1.90	2.40	7.70	0.94	1.50	2.00	2.80	11.00
SKA1W9-12A80B133	1.10	1.30	1.90	2.30	6.10	0.99	1.40	1.90	2.60	7.70	0.94	1.50	2.20	3.00	11.00
					(a) DEC	C = -10, 1	$_{ m natural}$	weighti	ing						
			650MHz					800 MHz					1100MHz		
resbin	1 00	2	3	4	5	1 70	2	3	4	5	1 00	2	3	4	5
SKA1REF2 SKA1W9-12A54B90	1.80	2.10 1.50	2.80 1.90	3.00 2.40	5.10 5.80	1.70	2.20 1.40	2.70	2.90	6.60 7.70	1.80	2.30 1.50	2.50 1.90	2.70	9.40
SKA1W9-12A54B90 SKA1W9-12A60B100	1.70	1.40	2.10	2.40	6.20	1.70	1.40	2.10	2.30	8.40	1.60	1.60	2.00	2.20	12.00
SKA1W9-12A72B120	1.50	1.40	2.30	2.40	5.90	1.50	1.60	2.20	2.40	7.70	1.40	1.90	2.10	2.70	11.00
SKA1W9-12A80B133	1.40	1.50	2.40	2.50	5.90	1.40	1.70	2.20	2.70	7.80	1.30	2.00	2.20	3.00	11.00
					(L) DEC	Y 40	1								
				(	(b) DEC	=-10, 1	obust-2	weight?	ing						
			650MHz					800MHz					1100MHz		
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2	1.70	2.00	2.80	3.00	5.10	1.70	2.10	2.70	2.90	6.60	1.70	2.10	2.50	2.60	9.40
SKA1W9-12A54B90 SKA1W9-12A60B100	1.30	1.40	1.90 2.10	2.30	5.80 6.20	1.30	1.30	2.00	2.20	7.70	1.10	1.40	1.90	2.10	11.00
SKA1W9-12A60B100 SKA1W9-12A72B120	1.30	1.30	2.10	2.40	5.90	1.20	1.50	2.10	2.40	8.40 7.70	1.30	1.70	2.10	2.70	11.00
SKA1W9-12A72B120 SKA1W9-12A80B133	1.20	1.50	2.30	2.50	5.90	1.30	1.70	2.20	2.70	7.80	1.30	1.70	2.20	3.00	11.00
		-													
		(c	:) DEC=	=-10, ro	bust-2	weighti	ng with	a 1 arc	sec Ga	ussian t	aper				
		`				-									
			650MHz					$800 \mathrm{MHz}$					1100MHz		
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2	1.50	1.60	2.10	2.60	5.50	1.40	1.60	2.20	2.60	7.00	1.40	1.60	2.20	2.60	10.00
SKA1W9-12A54B90	1.90	1.00	2.00	2.20	6.30	1.30	1.20	1.90	2.30	8.20	1.00	1.40	1.90	2.30	12.00
SKA1W9-12A60B100	1.50	1.10	1.90	2.30	6.90	1.10	1.30	1.90	2.30	9.00	0.96	1.40	1.90	2.50	12.00
SKA1W9-12A72B120 SKA1W9-12A80B133	1.10	1.20	1.90	2.30	6.50	1.00 0.96	1.40	1.90	2.50	8.30 8.30	0.93	1.50	2.10	3.00	12.00
SKA1W9-12A80B133	1.00	1.40	1.90	2.30	0.50	0.90	1.30	1.90	2.70	8.30	0.95	1.50	2.20	3.00	12.00
					(d) DEO	C = -30.	$_{ m natural}$	weighti	ing						
					()	,			0						
Г			650MHa	,				800MHz					1100MHs		
resbin	1	2	650MHz	4	5	1	2	800MHz		5	1	2	1100MHz	4	5
resbin SKA1REF2	1 1.70	2 2.00			5 5.40	1 1.60	2 2.10		4 2.60	5 7.00	1 1.70	2 2.20			5 10.00
			3	4				3	4				3	4	10.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100	1.70 1.70 1.60	2.00 1.30 1.20	3 2.60 2.00 2.10	4 2.80 2.20 2.20	5.40 6.20 6.70	1.60 1.70 1.60	2.10 1.20 1.30	3 2.50 1.90 2.00	2.60 2.10 2.20	7.00 8.20 9.00	1.70 1.60 1.50	2.20 1.40 1.60	3 2.30 1.80 1.80	2.50 2.10 2.20	10.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	1.70 1.70 1.60 1.40	2.00 1.30 1.20 1.30	3 2.60 2.00 2.10 2.10	2.80 2.20 2.20 2.20	5.40 6.20 6.70 6.30	1.60 1.70 1.60 1.40	2.10 1.20 1.30 1.50	3 2.50 1.90 2.00 2.00	4 2.60 2.10 2.20 2.30	7.00 8.20 9.00 8.30	1.70 1.60 1.50 1.30	2.20 1.40 1.60 1.80	3 2.30 1.80 1.80 2.00	2.50 2.10 2.20 2.70	10.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100	1.70 1.70 1.60	2.00 1.30 1.20	3 2.60 2.00 2.10	4 2.80 2.20 2.20 2.20 2.30	5.40 6.20 6.70 6.30 6.40	1.60 1.70 1.60 1.40 1.30	2.10 1.20 1.30 1.50 1.70	3 2.50 1.90 2.00 2.00 2.00	4 2.60 2.10 2.20 2.30 2.50	7.00 8.20 9.00	1.70 1.60 1.50	2.20 1.40 1.60	3 2.30 1.80 1.80	2.50 2.10 2.20	10.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	1.70 1.70 1.60 1.40	2.00 1.30 1.20 1.30	3 2.60 2.00 2.10 2.10	4 2.80 2.20 2.20 2.20 2.30	5.40 6.20 6.70 6.30 6.40	1.60 1.70 1.60 1.40 1.30	2.10 1.20 1.30 1.50 1.70	3 2.50 1.90 2.00 2.00 2.00	4 2.60 2.10 2.20 2.30 2.50	7.00 8.20 9.00 8.30	1.70 1.60 1.50 1.30	2.20 1.40 1.60 1.80	3 2.30 1.80 1.80 2.00	2.50 2.10 2.20 2.70	10.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	1.70 1.70 1.60 1.40	2.00 1.30 1.20 1.30	3 2.60 2.00 2.10 2.10	4 2.80 2.20 2.20 2.20 2.30	5.40 6.20 6.70 6.30	1.60 1.70 1.60 1.40 1.30	2.10 1.20 1.30 1.50 1.70	3 2.50 1.90 2.00 2.00 2.00	4 2.60 2.10 2.20 2.30 2.50	7.00 8.20 9.00 8.30	1.70 1.60 1.50 1.30	2.20 1.40 1.60 1.80	3 2.30 1.80 1.80 2.00	2.50 2.10 2.20 2.70	10.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	1.70 1.70 1.60 1.40	2.00 1.30 1.20 1.30	3 2.60 2.00 2.10 2.10	4 2.80 2.20 2.20 2.20 2.30	5.40 6.20 6.70 6.30 6.40	1.60 1.70 1.60 1.40 1.30	2.10 1.20 1.30 1.50 1.70	3 2.50 1.90 2.00 2.00 2.00	4 2.60 2.10 2.20 2.30 2.50 2.50	7.00 8.20 9.00 8.30	1.70 1.60 1.50 1.30	2.20 1.40 1.60 1.80	3 2.30 1.80 1.80 2.00	4 2.50 2.10 2.20 2.70 2.90	10.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133	1.70 1.70 1.60 1.40 1.30	2.00 1.30 1.20 1.30 1.40	3 2.60 2.00 2.10 2.10 2.20 650MHz	4 2.80 2.20 2.20 2.20 2.30	5.40 6.20 6.70 6.30 6.40 (e) DEC	1.60 1.70 1.60 1.40 1.30 =-30, r	2.10 1.20 1.30 1.50 1.70 robust-2	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 3	4 2.60 2.10 2.20 2.30 2.50 2.50	7.00 8.20 9.00 8.30 8.40	1.70 1.60 1.50 1.30 1.20	2.20 1.40 1.60 1.80 1.90	3 2.30 1.80 1.80 2.00 2.10	4 2.50 2.10 2.20 2.70 2.90	10.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2	1.70 1.70 1.60 1.40 1.30	2.00 1.30 1.20 1.30 1.40	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.50	4 2.80 2.20 2.20 2.20 2.30 2.30	5.40 6.20 6.70 6.30 6.40 (e) DEC	1.60 1.70 1.60 1.40 1.30 2=-30, r	2.10 1.20 1.30 1.50 1.70 robust-2	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 3 2.40	4 2.60 2.10 2.20 2.30 2.50 2.50 ing	7.00 8.20 9.00 8.30 8.40	1.70 1.60 1.50 1.30 1.20	2.20 1.40 1.60 1.80 1.90	3 2.30 1.80 1.80 2.00 2.10 1100MHz 3 2.30	4 2.50 2.10 2.20 2.70 2.90 4 2.50	10.00 12.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1REF2	1.70 1.70 1.60 1.40 1.30	2.00 1.30 1.20 1.30 1.40	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.50 2.00	4 2.80 2.20 2.20 2.20 2.30 2.30	5.40 6.20 6.70 6.30 6.40 (e) DEC	1.60 1.70 1.60 1.40 1.30 C=-30, r	2.10 1.20 1.30 1.50 1.70 robust-2	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 2.50 ing 4 2.60 2.10	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20	1.70 1.60 1.50 1.30 1.20	2.20 1.40 1.60 1.80 1.90	3 2.30 1.80 1.80 2.00 2.10 1100MHz 3 2.30 1.80	4 2.50 2.10 2.20 2.70 2.90 4 2.50 2.00	10.00 12.00 12.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A50B100	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.50 2.00 2.00	4 2.80 2.20 2.20 2.30 2.30 2.4 2.70 2.20 2.20	5.40 6.20 6.70 6.30 6.40 (e) DEC	1.60 1.70 1.60 1.40 1.30 U=-30, r	2.10 1.20 1.30 1.50 1.70 cobust-2 2 2.00 1.20 1.30	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 2.50 2.60 2.10 2.20	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00	1.70 1.60 1.50 1.30 1.20 1.20	2.20 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50	3 2.30 1.80 1.80 2.00 2.10 1100MHz 3 2.30 1.80	4 2.50 2.10 2.20 2.70 2.90 4 2.50 2.00 2.10	10.00 12.00 12.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	1.70 1.70 1.60 1.40 1.30 1.60 1.20 1.20 1.10	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.30	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.50 2.00 2.00 2.10	4 2.80 2.20 2.20 2.30 2.30 2.4 2.70 2.20 2.20 2.20 2.20	5.40 6.20 6.70 6.30 6.40 (e) DEC	1.60 1.70 1.60 1.40 1.30 5=-30, r 1.60 1.10 1.10 1.10	2.10 1.20 1.30 1.50 1.70 cobust-2 2 2.00 1.20 1.30 1.50	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.40 1.90 2.00 1.90	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.10 2.20 2.30	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30	1.70 1.60 1.50 1.30 1.20 1.20	2.20 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50 1.60	3 2.30 1.80 1.80 2.00 2.10 1100MHz 3 2.30 1.80 2.00	4 2.50 2.10 2.20 2.70 2.90 4 2.50 2.00 2.10 2.60	10.000 12.000 12.000 12.000 12.000 12.000 5 10.000 12.000 12.000 12.000
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A50B100	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.20 1.30 1.40	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.50 2.00 2.10 2.10	4 2.80 2.20 2.20 2.30 2.30 4 4 2.70 2.20 2.20 2.20 2.30	5.40 6.20 6.70 6.30 6.40 (e) DEC 5 5.40 6.20 6.70 6.30 6.40	1.60 1.70 1.60 1.40 1.30 S=-30, r  1.60 1.10 1.10 1.10 1.20	2.10 1.20 1.30 1.50 1.70 robust-2 2 2.00 1.20 1.30 1.50	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 3 2.40 1.90 2.00 1.90	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.10 2.20 2.30 2.50	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40	1.70 1.60 1.50 1.30 1.20 1.20	2.20 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50	3 2.30 1.80 1.80 2.00 2.10 1100MHz 3 2.30 1.80	4 2.50 2.10 2.20 2.70 2.90 4 2.50 2.00 2.10	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	1.70 1.70 1.60 1.40 1.30 1.60 1.20 1.20 1.10	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.20 1.30 1.40	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.50 2.00 2.10 2.10	4 2.80 2.20 2.20 2.30 2.30 4 4 2.70 2.20 2.20 2.20 2.30	5.40 6.20 6.70 6.30 6.40 (e) DEC	1.60 1.70 1.60 1.40 1.30 S=-30, r  1.60 1.10 1.10 1.10 1.20	2.10 1.20 1.30 1.50 1.70 robust-2 2 2.00 1.20 1.30 1.50	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 3 2.40 1.90 2.00 1.90	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.10 2.20 2.30 2.50	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40	1.70 1.60 1.50 1.30 1.20 1.20	2.20 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50 1.60	3 2.30 1.80 1.80 2.00 2.10 1100MHz 3 2.30 1.80 2.00	4 2.50 2.10 2.20 2.70 2.90 4 2.50 2.00 2.10 2.60	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	1.70 1.70 1.60 1.40 1.30 1.60 1.20 1.20 1.10	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.20 1.30 1.40	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.50 2.00 2.10 2.10	4 2.80 2.20 2.20 2.30 2.30 4 4 2.70 2.20 2.20 2.20 2.30	5.40 6.20 6.70 6.30 6.40 (e) DEC 5 5.40 6.20 6.70 6.30 6.40	1.60 1.70 1.60 1.40 1.30 S=-30, r  1.60 1.10 1.10 1.10 1.20	2.10 1.20 1.30 1.50 1.70 robust-2 2 2.00 1.20 1.30 1.50	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 3 2.40 1.90 2.00 1.90	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.10 2.20 2.30 2.50	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40	1.70 1.60 1.50 1.30 1.20 1.20	2.20 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50 1.60	3 2.30 1.80 1.80 2.00 2.10 1100MHz 3 2.30 1.80 2.00	4 2.50 2.10 2.20 2.70 2.90 4 2.50 2.00 2.10 2.60	10.000 12.000 12.000 12.000 12.000 12.000 5 10.000 12.000 12.000 12.000
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A72B120 SKA1W9-12A80B133	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.20 1.10	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.20 1.30 (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.50 2.00 2.00 2.10 2.10	4 2.80 2.20 2.20 2.20 2.30 (2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.30	5.40 6.20 6.70 6.30 6.40 (e) DEC 5 5.40 6.20 6.70 6.30 6.40	1.60 1.70 1.60 1.40 1.30 2=-30, r 1.60 1.10 1.10 1.10 1.20	2.10 1.20 1.30 1.50 1.70 cobust-2 2 2.00 1.20 1.30 1.50	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 1.90 2.00 1.90 2.00 1.90 2.00	4 2.60 2.10 2.20 2.30 2.50 2.50 2.10 2.20 2.30 2.50 2.10 2.20 2.30 2.50 Sec Ga	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40	1.70 1.60 1.50 1.30 1.20 1.20 1.10 1.00 1.10 1.20 1.30	2.20 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50 1.60 1.70	3 2.30 1.80 1.80 2.00 2.10 2.10 2.10 2.10 2.10 2.10 2.1	4 2.50 2.10 2.20 2.70 2.90 2.90 2.10 2.60 2.90	10.000 12.000 12.000 12.000 12.000 12.000 12.000 12.000 12.000 12.000
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.20 1.10 1.10	2.00 1.30 1.20 1.30 1.40  2 1.90 1.20 1.30 1.40  (f	3 2.60 2.00 2.10 2.10 2.20 650MH <sub>2</sub> 3 2.50 2.00 2.10 2.10 2.10 2.10 3	4 2.80 2.20 2.20 2.20 2.30 4 2.70 2.20 2.20 2.30 =-30, ro	5.40 6.20 6.70 6.30 6.40 (e) DEC 5 5.40 6.20 6.40 (e) bec	1.60 1.70 1.60 1.40 1.30 5=-30, r  1.60 1.10 1.10 1.20  weightin	2.10 1.20 1.30 1.50 1.70 obust-2 2 2.00 1.20 1.30 1.50 1.60 ng with	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.10 2.20 2.30 2.50 Sec Ga	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40	1.70 1.60 1.50 1.30 1.20 1.60 1.00 1.10 1.20 1.30 aper	2.20 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50 1.60 1.70	3 2.30 1.80 1.80 2.10 2.10 1100MHz 3 2.30 1.80 2.00 2.10	4 2.50 2.10 2.20 2.70 2.90 2.90 2.10 2.60 2.90	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B103 resbin resbin SKA1K9-12A80B133	1.70 1.70 1.60 1.40 1.30 1.60 1.20 1.10 1.10	2.00 1.30 1.20 1.30 1.40  2 1.90 1.20 1.20 1.20 1.20 (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.50 2.00 2.10 2.10 2.10 2.10 650MHz 3 2.00 2.10 2.10	4 2.80 2.20 2.20 2.30 4 4 2.70 2.30 2.30 2.30 2.30 2.30 2.30 2.70 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	5.40 6.20 6.70 6.30 6.40 (e) DEC 5 5.40 6.20 6.70 6.30 6.40 bust-2	1.60 1.70 1.60 1.70 1.60 1.40 1.30 2:=-30, r  1.60 1.10 1.10 1.10 1.10 1.10 1.10 1.1	2.10 1.20 1.30 1.50 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.60 ng with	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 1.90 2.00 1.90 2.00 1.90 2.00 3 1.90 2.00	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.10 2.20 2.30 2.50 2.60 2.10 2.20 2.30 2.50 Sec Ga	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40 ussian t	1.70 1.60 1.50 1.30 1.20  1 1 1.60 1.00 1.10 1.10 1.20  aper	2.20 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50 1.60 1.70	3 2.30 1.80 1.80 2.00 2.10 2.10 1100MHz 3 2.30 1.80 2.00 2.10	4 2.50 2.10 2.20 2.70 2.90 2.90 2.10 2.60 2.90	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A80B100 SKA1W9-12A80B100 SKA1W9-12A80B100	1.70 1.70 1.60 1.40 1.30 1.60 1.20 1.20 1.10 1.10	2.00 1.30 1.20 1.30 1.40  2 1.90 1.20 1.30 1.40  (f	3 2.60 2.00 2.10 2.10 2.20 2.20 650MHz 3 2.50 2.00 2.10 2.10 2.10 2.10 2.10 2.10 2.1	4 2.80 2.20 2.20 2.30 4 4 2.70 2.20 2.3030, ro	5.40 6.20 6.30 6.40 (e) DEC 5 5.40 6.20 6.30 6.40 bbust-2	1.60 1.70 1.60 1.70 1.60 1.40 1.30 2=-30, I  1.60 1.10 1.10 1.10 1.10 1.20 weightin	2.10 1.20 1.30 1.50 1.70 cobust-2 2.00 1.20 1.30 1.50 1.60 1.60 1.60 1.10	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.10 2.30 2.50 3.6 2.10 2.20 4.6 2.20 2.30 2.50	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40 ussian t	1.70 1.60 1.50 1.30 1.20  1 1.60 1.00 1.10 1.20 1.30 1.40 1.40 0.99	2.20 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50 1.60 1.70	3 2.30 1.80 1.80 2.00 2.10 1100MH2 3 2.30 1.80 2.00 2.10	4 2.50 2.10 2.20 2.70 2.90 2.90 4 2.50 2.00 2.10 2.60 2.90	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B103 resbin resbin SKA1K9-12A80B133	1.70 1.70 1.60 1.40 1.30 1.60 1.20 1.10 1.10	2.00 1.30 1.20 1.30 1.40  2 1.90 1.20 1.20 1.20 1.20 (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.50 2.00 2.10 2.10 2.10 2.10 2.10 2.10 2.1	4 2.80 2.20 2.20 2.30 4 4 2.70 2.30 2.30 2.30 2.30 2.30 2.30 2.70 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	5.40 6.20 6.70 6.30 6.40 (e) DEC 5 5.40 6.20 6.70 6.30 6.40 bust-2	1.60 1.70 1.60 1.70 1.60 1.40 1.30 2:=-30, r  1.60 1.10 1.10 1.10 1.10 1.10 1.10 1.1	2.10 1.20 1.30 1.50 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.60 ng with	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 1.90 2.00 1.90 2.00 1.90 2.00 3 1.90 2.00	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.10 2.20 2.30 2.50 2.60 2.10 2.20 2.30 2.50 Sec Ga	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40 ussian t	1.70 1.60 1.50 1.30 1.20  1 1 1.60 1.00 1.10 1.10 1.20  aper	2.20 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50 1.60 1.70	3 2.30 1.80 1.80 2.00 2.10 2.10 1100MHz 3 2.30 1.80 2.00 2.10	4 2.50 2.10 2.20 2.70 2.90 2.90 2.10 2.60 2.90	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30  1 1.60 1.20 1.20 1.10 1.10 1.50 1.50 1.50 1.20	2.00 1.30 1.20 1.30 1.40  2 1.90 1.20 1.20 1.40  (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.50 2.00 2.10 2.10 2.10 2.10 1.10 2.10 2.1	4 2.80 2.20 2.20 2.30 4 2.70 2.20 2.30	5.40 6.20 6.70 6.30 6.40 (e) DEC 5 5.40 6.20 6.70 6.30 6.40 bust-2	1.60 1.70 1.60 1.70 1.60 1.40 1.30 5=-30, I  1.60 1.10 1.10 1.10 1.10 1.20 weightii  1.40 1.30 1.10 1.00	2.10 1.20 1.30 1.50 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.60 1.60 1.10 1.20 1.40	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 1.90 2.00 1.90 2.00 3 2.00 1.90 2.00 1.90 2.00	4 2.60 2.20 2.30 4 2.60 2.20 2.30 2.50 2.30 2.50 2.30 2.30 2.30 2.30 2.30 2.30 2.30 2.3	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40 ussian t	1.70 1.60 1.50 1.30 1.20  1 1.60 1.00 1.10 1.10 1.20 1.30 aper	2.20 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50 1.60 1.70 2 1.70 1.40 1.50 1.50 1.50	3 2.30 1.80 1.80 2.00 2.10 2.10 2.10 2.10 1100MHz 3 2.20 2.10 1100MHz 3 2.20 1.90 1.90 1.90	4 2.50 2.10 2.20 2.70 2.90 2.90 2.50 2.10 2.60 2.90 4 4 2.60 2.30 2.40 2.90	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A58B133  resbin resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	1.70 1.70 1.60 1.60 1.40 1.30  1 1 1.60 1.20 1.10 1.10 1.10 1.10 1.50 1.90 1.50	2 1.30 1.40 2 1.20 1.20 1.20 1.20 1.20 1.40 (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.50 2.00 2.10 2.10 2.10 2.10 2.10 2.10 2.1	4 2.20 2.20 2.30 4 2.70 2.20 2.30, rc 2 4 2.70 2.20 2.30 2.30, rc 2 2.30 2.30 2.30 2.30	5.40 6.20 6.70 6.30 6.40 (e) DEC 5 5.40 6.20 6.70 6.30 6.40 bust-2	1.60 1.70 1.60 1.40 1.30 2:=-30, r  1.60 1.10 1.10 1.10 1.10 1.20  weightin  1.40 1.30 1.10 1.10 1.00 0.96	2.10 1.20 1.30 1.50 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.60 ng with 2 1.60 1.10 1.20 1.40 1.50	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.20 2.30 4 2.60 2.20 2.30 2.50 2.50 2.40 2.40 2.70	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40 ussian t	1.70 1.60 1.50 1.30 1.20  1 1.60 1.00 1.10 1.10 1.20 1.30 aper  1 1.40 0.99 0.96	2.20 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50 1.70 2 1.70 1.50 1.70	3 2.30 1.80 1.80 2.00 2.10 1100MHz 3 2.30 1.80 2.00 2.10 1100MHz 3 2.20 2.10	4 2.50 2.10 2.20 2.70 2.90 4 2.50 2.00 2.10 2.60 2.90	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30  1 1.60 1.20 1.20 1.10 1.10 1.50 1.50 1.50 1.20	2.00 1.30 1.20 1.30 1.40  2 1.90 1.20 1.20 1.40  (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.50 2.00 2.10 2.10 2.10 2.10 1.10 2.10 2.1	4 2.20 2.20 2.30 4 2.70 2.20 2.30, rc 2 4 2.70 2.20 2.30 2.30, rc 2 2.30 2.30 2.30 2.30	5.40 6.20 6.70 6.30 6.40 (e) DEC 5 5.40 6.20 6.70 6.30 6.40 bust-2	1.60 1.70 1.60 1.40 1.30 2:=-30, r  1.60 1.10 1.10 1.10 1.10 1.20  weightin  1.40 1.30 1.10 1.10 1.00 0.96	2.10 1.20 1.30 1.50 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.60 ng with 2 1.60 1.10 1.20 1.40 1.50	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.20 2.30 4 2.60 2.20 2.30 2.50 2.50 2.40 2.40 2.70	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40 ussian t	1.70 1.60 1.50 1.30 1.20  1 1.60 1.00 1.10 1.10 1.20 1.30 aper	2.20 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50 1.60 1.70 2 1.70 1.40 1.50 1.50 1.50	3 2.30 1.80 1.80 2.00 2.10 2.10 2.10 2.10 1100MHz 3 2.20 2.10 1100MHz 3 2.20 1.90 1.90 1.90	4 2.50 2.10 2.20 2.70 2.90 2.90 2.50 2.10 2.60 2.90 4 4 2.60 2.30 2.40 2.90	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30  1 1.60 1.20 1.20 1.10 1.10 1.50 1.50 1.50 1.20	2.00 1.30 1.20 1.30 1.40  2 1.90 1.20 1.20 1.40  (f	3 2.60 2.00 2.10 2.10 2.20 2.20 650MH2 3 2.50 2.00 2.10 2.10 2.10 2.10 1.90 1.90 1.90	2.20 2.20 2.20 2.20 2.30 2.30 2.30 2.20 2.2	5.40 6.20 6.70 6.30 6.40 (e) DEC 5 5.40 6.20 6.70 6.30 6.40 bust-2	1.60 1.70 1.60 1.40 1.30 2:=-30, r  1.60 1.10 1.10 1.10 1.10 1.20  weightin  1.40 1.30 1.10 1.10 1.00 0.96	2.10 1.20 1.30 1.50 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.60 ng with 2 1.60 1.10 1.20 1.40 1.50	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.20 2.30 4 2.60 2.20 2.30 2.50 2.50 2.40 2.40 2.70	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40 ussian t	1.70 1.60 1.50 1.30 1.20  1 1.60 1.00 1.10 1.10 1.20 1.30 aper	2.20 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50 1.60 1.70 2 1.70 1.40 1.50 1.50 1.50	3 2.30 1.80 2.00 2.10 2.10 1100MH2 3 2.30 1.80 2.00 2.10 1100MH2 3 2.20 1.90 2.10	4 2.50 2.10 2.20 2.70 2.90 2.90 2.90 2.10 2.10 2.60 2.90 2.30 2.40 2.30 2.40 2.90	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A54B90 SKA1W9-12A5B133	1.70 1.70 1.60 1.40 1.30  1 1 1.60 1.20 1.10 1.10 1.10 1.50 1.90 1.50 1.20 1.00	2 1.30 1.40 1.20 1.30 1.40 2 1.20 1.20 1.30 1.40 (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.50 2.00 2.10 2.10 2.10 2.10 1.90 1.90 1.90	4 2.80 2.20 2.20 2.30 4 2.70 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	5.40 6.20 6.30 6.40 (e) DEC 5 5.40 6.20 6.70 6.30 6.40 bbust-2 5 5.60 6.30 6.40	1.60 1.70 1.60 1.40 1.30 2:=-30, r  1.60 1.10 1.10 1.10 1.10 1.20  weightin  1.40 1.30 1.10 1.10 1.00 0.96	2.10 1.20 1.30 1.50 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.60 ng with  2 1.60 1.10 1.20 1.40 1.50 natural	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.10 2.20 2.30 2.50 sec Ga 4 2.60 2.10 2.30 2.50 ing 4 2.60 2.10 2.30 2.50 ing 4 2.60 2.20 2.30 2.40 2.70 ing	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40 ussian t	1.70 1.60 1.50 1.30 1.20  1 1.60 1.00 1.10 1.10 1.20 1.30 aper	2.20 1.40 1.60 1.80 1.90  2 1.90 1.40 1.50 1.60 1.70  2 1.70 1.40 1.50 1.50 1.50	3 2.30 1.80 2.00 2.10 2.10 1100MHz 3 2.30 1.80 2.00 2.10 2.10 1.90 1.90 2.20 1.90 2.20	4 2.50 2.10 2.20 2.70 2.90 4 2.50 2.00 2.10 2.60 2.90 2.30 2.30 2.40 2.90 3.00	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00
SKA1REF2 SKA1W9-12A50B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A50B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A50B100 SKA1W9-12A72B120 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A72B120 SKA1W9-12A80B133	1.70 1.70 1.60 1.40 1.30  1 1.60 1.20 1.10 1.10 1.50 1.90 1.50 1.90 1.100	2.00 1.30 1.20 1.30 1.40  2 1.90 1.20 1.20 1.20 1.30 1.40  (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.00 2.00 2.10 2.10 2.10 2.10 2.10 2.10	4 2.80 2.20 2.20 2.30 4 2.70 2.20 2.20 2.30 5 4 4 2.70 2.20 2.30 6 4 4 2.70 2.20 2.30 6 4 4 2.70 2.20 2.30 2.30 2.30	5.40 6.20 6.30 6.40 (e) DEC 5 5.40 6.20 6.30 6.40 bust-2 5 5.60 6.60 6.40 (g) DEC	1.60 1.70 1.60 1.70 1.60 1.40 1.30 C=-30, r  1.60 1.10 1.10 1.10 1.10 1.20 weightin  1.40 1.30 1.10 1.00 0.96 C=-50,	2.10 1.20 1.30 1.50 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.60 1.60 1.10 1.20 1.40 1.50 natural	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 1.90 2.00 1.90 2.00 3 2.00 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.20 2.30 2.50 csec Ga 4 4 2.60 2.20 2.30 2.50 csec Ga 4 4 4 2.60 2.20 2.30 2.70 csec Ga 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	5 7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40 ussian t	1.70 1.60 1.50 1.30 1.20  1 1.60 1.00 1.10 1.10 1.20 1.140 1.90 0.96 0.93 0.94	2.20 1.40 1.60 1.80 1.90  2 1.90 1.40 1.50 1.60 1.70  2 1.70 1.40 1.50 1.50 1.50	3 2.30 1.80 1.80 2.00 2.10 2.10 2.10 2.10 1100MHz 3 3 2.20 2.10 1.90 1.90 2.20 2.20	4 2.50 2.10 2.20 2.70 2.90 2.90 4 2.50 2.10 2.60 2.90 4 4 2.60 2.30 2.40 2.30 2.40 2.90	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 11.00 11.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30  1 1.60 1.20 1.10 1.10 1.150 1.20 1.90 1.50 1.20 1.10	2 1.30 1.40 2 1.90 1.20 1.20 1.20 1.30 1.40 (f	3 2.60 2.00 2.10 2.10 2.20 2.20 2.20 2.50 2.00 2.10 2.10 2.10 2.10 2.10 2.10 1.90 1.90 1.90 1.90	2.20 2.20 2.20 2.30  2.4 2.70 2.20 2.20 2.30  2.4 2.70 2.20 2.20 2.30  2.30  2.30  2.30  2.30  2.30  2.30  2.30  2.30  2.4 4 2.70 2.20 2.30 2.30 2.30 2.30 2.30	5.40 6.20 6.30 6.40 (e) DEC 5 5.40 6.20 6.70 6.30 6.40 bbust-2 5 5.60 6.30 6.40 bbust-2	1.60 1.70 1.60 1.70 1.60 1.40 1.30 S=-30, r 1.60 1.10 1.10 1.10 1.20 weightin 1.40 1.30 1.10 1.30 1.10 1.30 1.10 1.40 1.40 1.40 1.40 1.40 1.40 1.4	2.10 1.20 1.30 1.50 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.60 ng with  2 1.60 1.10 1.20 1.40 1.50 1.50 1.50	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.10 2.20 2.30 2.50 3.50 sec Ga	7.00 8.20 9.00 8.30 8.40 5 7.00 8.20 9.00 8.30 8.40 ussian t	1.70 1.60 1.50 1.30 1.20  1.100 1.00 1.10 1.20 1.30 1.20 1.40 1.90 1.90 1.90 1.90 1.90 1.90 1.90 1.9	2 1.40 1.60 1.80 1.90 2 1.90 1.40 1.50 1.70 2 1.70 1.50 1.50 1.50	3 2.30 1.80 2.00 2.10 2.10 1100MH <sub>2</sub> 3 2.30 1.80 2.00 2.10 1100MH <sub>2</sub> 3 2.20 1.90 2.10 2.10 2.10 2.10 2.10	4 2.50 2.10 2.20 2.70 2.90 2.90 2.90 2.10 2.10 2.60 2.90 2.40 2.30 2.40 2.30 3.00	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30  1.60 1.20 1.20 1.10 1.10 1.50 1.90 1.50 1.90 1.100 1.100	2.00 1.30 1.20 1.30 1.40  2 1.90 1.20 1.20 1.30 1.40  (f	3 2.60 2.00 2.10 2.10 2.10 2.20 650MHz 3 2.00 2.00 2.10 2.10 2.10 2.10 2.10 2.10	4 2.80 2.20 2.20 2.30 4 2.70 2.20 2.30 2.30, rc 2 4 2.70 2.20 2.30 2.30 2.30 4 4 2.70 2.20 2.30 2.30 2.30 2.30 2.30	5.40 6.20 6.30 6.40 (e) DEC 5 5.40 6.20 6.70 6.30 6.40 bust-2 5 5.60 6.30 6.40 c) DEC	1.60 1.70 1.60 1.70 1.60 1.40 1.30 2:=-30, r  1.60 1.10 1.10 1.10 1.20  weightin  1.40 1.30 1.10 1.00 0.96  C:=-50,	2.10 1.20 1.30 1.50 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.60 ag with 2 1.60 1.10 1.20 1.40 1.50 anatural	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.20 2.30 2.50 2.50 2.50 2.20 2.30 2.50 3.5 cc Ga	7.00 8.20 9.00 8.30 8.40  5 7.00 8.20 9.00 8.30 8.40  ussian t  5 6.90 7.90 8.00 7.80	1.70 1.60 1.50 1.30 1.20  1 1.60 1.00 1.10 1.10 1.120 1.30 aper  1 1.40 0.99 0.96 0.93 0.94	2.20 1.40 1.60 1.80 1.90  2 1.90 1.40 1.50 1.70  2 1.70 1.40 1.50 1.50 1.50 1.50 1.40 1.50 1.50 1.50 1.50	3 2.30 1.80 1.80 2.00 2.10 2.10 1100MHz 3 2.20 2.10 1100MHz 3 2.20 1.90 1.90 2.10 2.10 2.20 1.90 1.90 2.10	4 2.50 2.10 2.20 2.70 2.90 2.90 2.10 2.60 2.90 2.40 2.30 2.40 2.90 3.00	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 11.00 12.00
SKA1REF2 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A50B103 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103	1.70 1.70 1.60 1.40 1.30  1.60 1.20 1.20 1.10 1.10 1.10 1.50 1.20 1.90 1.50 1.20 1.00	2 1.30 1.40 2 1.90 1.20 1.20 1.20 1.20 1.30 1.40 (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.00 2.10 2.10 2.10 2.20 2.00 2.10 2.10	2 2.20 2.20 2.30 2.30 2.4 2.70 2.20 2.20 2.30 2.20 2.30 2.20 2.20 2.2	5.40 6.20 6.30 6.40 6.20 6.70 6.30 6.40 6.20 6.70 6.30 6.40 6.20 6.70 6.30 6.40 6.20 6.40 6.20 6.50 6.40 6.20 (g) DEC	1.60 1.70 1.60 1.40 1.30 1.30 1.30 1.10 1.10 1.10 1.10 1.1	2.10 1.20 1.30 1.50 1.70 2 2.00 1.20 1.30 1.50 1.70 1.20 1.20 1.30 1.50 1.60 ng with  2 1.60 1.10 1.20 1.40 1.50 natural	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.20 2.30 2.50 ing 4 4 2.60 2.20 2.30 2.70 ing 4 4 2.60 2.20 2.30 2.70 ing 4 2.60 2.70 ing 4 2.60 2.70 ing 4 2.60 2.00 2.10 2.10 2.10	5 7.00 8.20 9.00 8.30 8.40  5 7.00 8.20 9.00 8.30 8.40  ussian t  5 6.90 7.80	1.70 1.60 1.50 1.30 1.20  1.60 1.00 1.00 1.10 1.20 1.30 aper  1 1.40 0.99 0.96 0.93 0.94	2.20 1.40 1.80 1.90 1.40 1.50 1.50 1.50 1.40 1.50 1.40 1.50 1.40 1.50 1.60 1.60 1.70	3 2.30 1.80 1.80 2.00 2.10 2.10 1100MHz 3 2.30 1.80 2.00 2.10 1.90 1.90 1.90 2.20 1.90 2.20 1.90 2.20 1.90 2.20	4 2.50 2.10 2.20 2.70 2.90 2.90 2.90 2.10 2.60 2.90 2.30 2.40 2.30 2.40 2.90 3.00	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B133  Fesbin SKA1W9-12A72B120 SKA1W9-12A80B133  Fesbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30  1 1 1.60 1.20 1.10 1.10 1.10 1.50 1.90 1.50 1.90 1.100	2 1.30 1.40 1.20 1.30 1.40 2 1.20 1.20 1.30 1.40 (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.00 2.00 2.10 2.10 2.10 2.00 2.00 2.10 2.1	2.20 2.20 2.30  2.20 2.30  2.30  2.30  2.30  2.30  2.20 2.20	5.40 6.20 6.30 6.40 (e) DEC 5 5.40 6.20 6.70 6.30 6.40 bbust-2 5 5.60 6.30 6.40 6.20 6.70 6.30 6.40 9.50 6.40 6.50 6.50 6.40 6.20 6.70 6.30 6.40	1.60 1.70 1.60 1.60 1.40 1.30 S=-30, r  1 1.60 1.10 1.10 1.10 1.20 weightin  1 1.40 1.30 1.10 1.60 1.70 1.60 1.70 1.60 1.70 1.60 1.70 1.60 1.70 1.60 1.70	2.10 1.20 1.30 1.50 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.60 ng with  2 1.60 1.10 1.20 1.40 1.50 natural	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.30 2.40 2.70 ing	7.00 8.20 9.00 8.30 8.40  5 7.00 8.20 9.00 8.30 8.40  ussian t  5 6.90 7.90 8.10 8.00 7.80	1.70 1.60 1.50 1.30 1.20  1 1.60 1.00 1.10 1.10 1.20 1.30 aper  1 1.40 0.99 0.96 0.93 0.94	2.20 1.40 1.60 1.80 1.90  2 1.90 1.40 1.50 1.70  2 1.70 1.40 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5	3 2.30 1.80 2.10 2.10 2.10 1100MHz 3 2.20 2.10 1100MHz 3 2.20 1.90 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	4 2.50 2.90 2.90 2.90 2.90 2.90 2.00 2.10 2.60 2.90 2.30 2.40 2.30 2.40 2.40 2.40 2.40 2.40 2.40 2.60 2.60 2.90	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 11.00 11.00 11.00 11.00 12.00 11.00 12.00 11.00 11.00 12.00 11.00 12.00 11.00 12.00 11.00 12.00
SKA1REF2 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A50B103 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103	1.70 1.70 1.60 1.40 1.30  1.60 1.20 1.20 1.10 1.10 1.10 1.50 1.20 1.90 1.50 1.20 1.00	2 1.30 1.40 2 1.90 1.20 1.20 1.20 1.20 1.30 1.40 (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.00 2.10 2.10 2.10 2.20 2.00 2.10 2.10	2.20 2.20 2.30  2.4 2.70 2.20 2.30  2.30	5.40 6.20 6.30 6.40 6.20 6.70 6.30 6.40 6.20 6.70 6.30 6.40 6.20 6.70 6.30 6.40  bbust-2  5 5.60 6.30 6.40 (g) DEC	1.60 1.70 1.60 1.40 1.30 1.30 1.10 1.10 1.10 1.10 1.10 1.1	2.10 1.20 1.30 1.50 1.70 cobust-2 2.00 1.20 1.30 1.50 1.60 ng with  2 1.60 1.10 1.20 1.40 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.20 2.40 2.70 ing	5 7.00 8.20 9.00 8.30 8.40  5 7.00 8.20 9.00 8.30 8.40  ussian t  5 6.90 7.80	1.70 1.60 1.50 1.30 1.20  1.60 1.00 1.00 1.10 1.20 1.30 aper  1 1.40 0.99 0.96 0.93 0.94	2.20 1.40 1.80 1.90 1.40 1.50 1.50 1.50 1.40 1.50 1.40 1.50 1.40 1.50 1.60 1.60 1.70	3 2.30 1.80 1.80 2.00 2.10 2.10 1100MHz 3 2.30 1.80 2.00 2.10 1.90 1.90 1.90 2.20 1.90 2.20 1.90 2.20 1.90 2.20	4 2.50 2.10 2.20 2.70 2.90 2.90 2.90 2.10 2.60 2.90 2.30 2.40 2.30 2.40 2.90 3.00	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 11.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B133  Fesbin SKA1W9-12A72B120 SKA1W9-12A80B133  Fesbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30  1 1 1.60 1.20 1.10 1.10 1.10 1.50 1.90 1.50 1.90 1.100	2 1.30 1.40 1.20 1.30 1.40 2 1.20 1.20 1.30 1.40 (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.00 2.00 2.10 2.10 2.10 2.00 2.00 2.10 2.1	2.20 2.20 2.30  2.4 2.70 2.20 2.30  2.30	5.40 6.20 6.30 6.40 (e) DEC 5 5.40 6.20 6.70 6.30 6.40 bbust-2 5 5.60 6.30 6.40 6.20 6.70 6.30 6.40 9.50 6.40 6.50 6.50 6.40 6.20 6.70 6.30 6.40	1.60 1.70 1.60 1.40 1.30 1.30 1.10 1.10 1.10 1.10 1.10 1.1	2.10 1.20 1.30 1.50 1.70 cobust-2 2.00 1.20 1.30 1.50 1.60 ng with  2 1.60 1.10 1.20 1.40 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.20 2.40 2.70 ing	7.00 8.20 9.00 8.30 8.40  5 7.00 8.20 9.00 8.30 8.40  ussian t  5 6.90 7.90 8.10 8.00 7.80	1.70 1.60 1.50 1.30 1.20  1 1.60 1.00 1.10 1.10 1.20 1.30 aper  1 1.40 0.99 0.96 0.93 0.94	2.20 1.40 1.60 1.80 1.90  2 1.90 1.40 1.50 1.70  2 1.70 1.40 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5	3 2.30 1.80 2.10 1100MHz 3 2.20 2.10 1100MHz 3 2.20 1.90 2.10 1100MHz 3 2.20 1.80 1.80 1.90 1.90 1.90 1.90 1.90 1.90 1.90 1.9	4 2.50 2.90 2.90 2.90 2.90 2.90 2.00 2.10 2.60 2.90 2.30 2.40 2.30 2.40 2.40 2.40 2.40 2.40 2.40 2.60 2.60 2.90	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 11.00 11.00 11.00 11.00 12.00 11.00 12.00 11.00 11.00 12.00 11.00 12.00 11.00 12.00 11.00 12.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B133  Fesbin SKA1W9-12A72B120 SKA1W9-12A80B133  Fesbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30  1 1 1.60 1.20 1.10 1.10 1.10 1.50 1.90 1.50 1.90 1.100	2 1.30 1.40 1.20 1.30 1.40 2 1.20 1.20 1.30 1.40 (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.00 2.00 2.10 2.10 2.10 2.00 2.00 2.10 2.1	2.20 2.20 2.30  2.4 2.70 2.20 2.30  2.30	5.40 6.20 6.30 6.40 6.20 6.70 6.30 6.40 6.20 6.70 6.30 6.40 6.20 6.70 6.30 6.40  bbust-2  5 5.60 6.30 6.40 (g) DEC	1.60 1.70 1.60 1.40 1.30 1.30 1.10 1.10 1.10 1.10 1.10 1.1	2.10 1.20 1.30 1.50 1.70 cobust-2 2.00 1.20 1.30 1.50 1.60 ng with  2 1.60 1.10 1.20 1.40 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.20 2.40 2.70 ing	7.00 8.20 9.00 8.30 8.40  5 7.00 8.20 9.00 8.30 8.40  ussian t  5 6.90 7.90 8.10 8.00 7.80	1.70 1.60 1.50 1.30 1.20  1 1.60 1.00 1.10 1.10 1.20 1.30 aper  1 1.40 0.99 0.96 0.93 0.94	2.20 1.40 1.60 1.80 1.90  2 1.90 1.40 1.50 1.70  2 1.70 1.40 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5	3 2.30 1.80 2.10 1100MHz 3 2.20 2.10 1100MHz 3 2.20 1.90 2.10 1100MHz 3 2.20 1.80 1.80 1.90 1.90 1.90 1.90 1.90 1.90 1.90 1.9	4 2.50 2.90 2.90 2.90 2.90 2.90 2.00 2.10 2.60 2.90 2.30 2.40 2.30 2.40 2.40 2.40 2.40 2.40 2.40 2.60 2.60 2.90	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00
SKA1REF2 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A50B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A50B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A50B100 SKA1W9-12A72B120 SKA1W9-12A80B133	1.70 1.70 1.60 1.40 1.30  1 1 1.60 1.20 1.10 1.10 1.10 1.50 1.90 1.50 1.90 1.100	2 1.30 1.40 2 1.90 1.20 1.20 1.20 1.20 1.30 1.40 (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.00 2.00 2.10 2.10 2.10 2.00 2.00 2.10 2.1	2 2.20 2.20 2.30 2.30 2.30 2.30 2.30 2.30	5.40 6.20 6.30 6.40 6.20 6.30 6.40 6.20 6.30 6.40 6.20 6.30 6.40 6.20 6.30 6.40 6.20 6.30 6.40 6.20 6.40 6.20 6.40 6.20 6.40 6.20 6.40 6.20 6.40 6.20 6.40 6.20 6.40	1.60 1.70 1.60 1.40 1.30 1.30 1.10 1.10 1.10 1.10 1.10 1.1	2.10 1.20 1.30 1.50 1.70 cobust-2 2.00 1.20 1.30 1.50 1.60 ng with  2 1.60 1.10 1.20 1.40 1.50 1.40 1.50 1.40 1.50 1.70 1.70 1.70 1.70 1.70 1.70 1.70	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.20 2.30 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	7.00 8.20 9.00 8.30 8.40  5 7.00 8.20 9.00 8.30 8.40  ussian t  5 6.90 7.90 8.10 8.00 7.80	1.70 1.60 1.50 1.30 1.20  1 1.60 1.00 1.10 1.10 1.20 1.30 aper  1 1.40 0.99 0.96 0.93 0.94	2 1.40 1.60 1.80 1.90 1.40 1.50 1.70 1.40 1.50 1.50 1.50 1.50 1.50 1.80 1.80	3 2.30 1.80 2.10 1100MHz 3 2.20 2.10 1100MHz 3 2.20 1.90 2.10 1100MHz 3 2.20 1.80 1.80 1.90 1.90 1.90 1.90 1.90 1.90 1.90 1.9	4 2.50 2.10 2.20 2.70 2.90 2.90 2.10 2.60 2.10 2.60 2.30 2.40 2.30 2.40 2.90 3.00 2.10 2.90	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30  1 1 1.60 1.20 1.10 1.10 1.10 1.10 1.50 1.90 1.50 1.20 1.00 1.30 1.30	2 1.30 1.40 1.20 1.30 1.40 2 1.20 1.20 1.30 1.40 (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.00 2.00 2.10 2.10 2.10 2.10 2.10 2.10	4 2.80 2.20 2.20 2.30 4 2.70 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	5.40 6.20 6.30 6.40 (e) DEC  5 5.40 6.20 6.70 6.30 6.40 bbust-2  5 5.60 6.30 6.40 6.20 6.70 6.30 6.40 bbust-2	1.60 1.70 1.60 1.40 1.30 S=-30, r  1 1.60 1.10 1.10 1.10 1.20 weightin  1.10 1.20   1.10 1.30  1.10 1.30	2.10 1.20 1.30 1.50 1.70 cobust-2 2.00 1.20 1.30 1.50 1.60 ng with  2 1.60 1.10 1.20 1.40 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.30 2.40 2.70 ing	7.00 8.20 9.00 8.30 8.40  5 7.00 8.20 9.00 8.30 8.40  ussian t  5 6.90 7.90 8.10 8.00 7.80	1.70 1.60 1.50 1.30 1.20  1 1.60 1.00 1.00 1.10 1.20 1.30 aper  1 1.40 0.99 0.96 0.93 0.94  1 1.70 1.60 1.50 1.30 1.20	2.20 1.40 1.60 1.80 1.90  2 1.90 1.40 1.50 1.70  2 1.70 1.40 1.50 1.50 1.50 1.50 1.50 1.50 1.80 1.80	3 2.30 1.80 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	4 2.50 2.10 2.20 2.70 2.90 2.90 2.90 2.10 2.60 2.90 2.40 2.40 2.40 2.40 2.40 2.40 2.40 2.4	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00
SKA1REF2 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A50B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A72B120 SKA1W9-12A50B103	1.70 1.70 1.60 1.40 1.30  1 1.60 1.20 1.10 1.10 1.50 1.90 1.50 1.90 1.00 1.10 1.10 1.10 1.10 1.10 1.1	2 1.30 1.40 2 1.90 1.20 1.20 1.20 1.20 1.30 1.40 (f	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.00 2.00 2.10 2.10 2.10 2.10 2.10 2.10	4 2.80 2.20 2.20 2.30 4 2.70 2.20 2.30 2.30 4 2.70 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	5.40 6.20 6.30 6.40 6.20 6.30 6.40 6.20 6.30 6.40 6.20 6.30 6.40 6.20 6.30 6.40 6.20 6.40 6.20 6.5 6.60 6.20 6.60 6.20 6.70 6.30 6.20 6.30 6.20 6.30 6.30 6.20 6.30 6.30 6.30 6.30 6.30 6.30 6.30 6.3	1.60 1.70 1.60 1.40 1.30 2:=-30, I  1.60 1.10 1.10 1.10 1.10 1.20  weightin  1.40 1.30 1.10 1.00 0.96  C:=-50, I  1.60 1.70 1.60 1.40 1.30  C:=-50, I	2.10 1.20 1.30 1.50 1.70 2 2.00 1.20 1.30 1.50 1.60 ng with  2 1.60 1.10 1.20 1.40 1.50 natural	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 img  4 2.60 2.10 2.20 2.30 2.50 img  4 2.60 2.20 2.30 2.50 img  4 2.60 2.20 2.30 2.70 img  4 2.60 2.20 2.30 2.40 2.70 img	5 7.00 8.20 9.00 8.30 8.40  5 7.00 8.20 9.00 8.30 8.40  ussian t  5 6.90 7.80  5 6.90 7.80	1.70 1.60 1.50 1.30 1.20  1 1 1.60 1.00 1.10 1.10 1.20  2 1 1 1.40 0.99 0.96 0.93 0.94  1 1.70 1.60 1.50 1.30 1.20	2 1.40 1.60 1.80 1.90 1.40 1.50 1.60 1.70 2 2 1.70 1.40 1.50 1.50 1.50 1.50 1.50	3 2.30 1.80 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	4 2.50 2.10 2.20 2.70 2.90 2.90 2.90 2.10 2.60 2.90 2.40 2.30 2.40 2.90 3.00 2.10 2.60 2.90	10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 11.00 12.00 11.00 12.00 11.00 11.00 11.00 12.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30  1 1.60 1.20 1.10 1.10 1.10 1.10 1.50 1.20 1.30 1.50 1.30 1.60 1.70 1.60 1.40 1.30	2 1.30 1.40 2 1.90 1.20 1.20 1.20 1.30 1.40 (f	3 2.60 2.00 2.10 2.10 2.10 2.20 650MHz 3 2.50 1.90 1.90 1.90 2.10 2.10 1.90 2.10 2.10 1.90 1.90 1.90 2.10 2.10 2.10 1.90 1.90 1.90 1.90 1.90 1.90 1.90 1	2 2.00 2.20 2.30 2.30 2.30 2.4 2.70 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	5.40 6.20 6.30 6.40 6.20 6.70 6.30 6.40 6.20 6.70 6.30 6.40 6.20 6.70 6.30 6.40  bbust-2  5 5.40 6.00 6.20 6.00 6.00 6.00 6.00 6.00 6.0	1.60 1.70 1.60 1.40 1.30 1.40 1.30 1.10 1.10 1.10 1.10 1.10 1.20 weightin  1.40 1.30 1.10 1.30 1.10 1.30 1.10 1.30 1.10 1.30 1.10 1.30 1.10 1.30 1.10 1.30 1.10 1.1	2.10 1.20 1.30 1.50 1.70 2 2.00 1.20 1.30 1.50 1.60 ng with  2 1.60 1.10 1.20 1.40 1.50 1.50 1.50 1.70  cobust-2	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 3 3 2.50 4 2.60 2.10 2.20 2.30 2.50 3 3 2.50 4 2.60 2.10 2.20 2.30 2.40 2.70 3 3 2.50 3 2.50 3 3 2.50 3 3 2.50 3 3 2.50 3 3 2.50 3 3 2.50 3 3 3 2.50 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7.00 8.20 9.00 8.30 8.40  5 7.00 8.20 9.00 8.30 8.40  ussian t  5 6.90 7.90 8.10 8.00 7.80  5 6.90 7.90 8.10 8.70 8.70 8.70 8.70 8.70 8.70 8.70 8.7	1.70 1.60 1.50 1.30 1.20  1.100 1.100 1.10 1.20 1.30 aper  1.40 0.99 0.96 0.93 0.94  1.170 1.60 1.150 1.30 1.20	2 1.40 1.80 1.80 1.90 1.40 1.50 1.60 1.70 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5	3 2.30 1.80 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	4 2.50 2.10 2.20 2.70 2.90 2.90 2.90 2.10 2.60 2.90 2.30 2.40 2.30 2.40 2.90 3.00 2.40 2.90 2.90 3.00	5 10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A5B133	1.70 1.70 1.70 1.60 1.40 1.30  1 1.60 1.20 1.10 1.10 1.10 1.50 1.90 1.50 1.20 1.00 1.30 1.10 1.10 1.10 1.10 1.10 1.1	2 1.30 1.40 1.20 1.30 1.40 1.20 1.20 1.30 1.40 (f 2 1.60 1.10 1.20 1.30 1.20 1.30 1.40	3 2.60 2.00 2.10 2.10 2.20 650MHz 3 2.00 2.00 2.10 2.10 2.10 2.10 2.10 2.10	2 4 2.20 2.20 2.30 4 2.70 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	5.40 6.20 6.30 6.40 (e) DEC  5.40 6.20 6.70 6.30 6.40 bbust-2  5.560 6.30 6.40 6.20 6.70 6.30 6.40 bbust-2  5.560 6.30 6.40 6.20 6.70 6.30 6.40 6.20 6.30 6.30 6.30 6.30 6.30 6.30 6.30 6.3	1.60 1.70 1.60 1.60 1.40 1.30 1.30 1.10 1.10 1.10 1.10 1.20 weightin 1.40 1.30 1.10 1.40 1.30 1.10 1.40 1.30 1.10 1.00 0.96 C=-50, 1 1 1.60 1.70 1.60 1.70 1.60 1.40 1.30 1.10 1.10 1.10 1.10 1.10 1.10 1.1	2.10 1.20 1.30 1.50 1.70 cobust-2 2.00 1.20 1.30 1.50 1.60 ng with  2 1.60 1.10 1.20 1.40 1.50 natural	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.10 2.20 2.30 2.50 ing 4 2.60 2.20 2.30 2.40 2.70 ing 4 2.60 2.00 2.10 2.20 2.30 2.10 2.20 2.10 2.1	7.00 8.20 9.00 8.30 8.40  5 7.00 8.20 9.00 8.30 8.40  ussian t  5 6.90 7.90 8.10 8.00 7.80	1.70 1.60 1.50 1.30 1.20  1 1.60 1.00 1.10 1.10 1.20 1.30 aper  1 1.40 0.99 0.96 0.93 0.94  1 1.70 1.60 1.50 1.30 1.20	2.20 1.40 1.60 1.80 1.90 1.40 1.90 1.40 1.50 1.60 1.70 1.40 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5	3 2.30 1.80 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	4 2.50 2.10 2.20 2.70 2.90 2.90 2.90 2.10 2.60 2.90 2.30 2.40 2.30 2.40 2.90 2.90 2.90 2.90 2.90 2.90 2.90 2.9	5 10.00 12.0
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133  resbin SKA1REF2 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30  1 1.60 1.20 1.10 1.10 1.10 1.10 1.50 1.20 1.30 1.50 1.30 1.60 1.70 1.60 1.40 1.30	2 1.30 1.40 2 1.90 1.20 1.20 1.20 1.30 1.40 (f	3 2.60 2.00 2.10 2.10 2.10 2.20 650MHz 3 2.50 1.90 1.90 1.90 2.10 2.10 1.90 2.10 2.10 1.90 1.90 1.90 2.10 2.10 2.10 1.90 1.90 1.90 1.90 1.90 1.90 1.90 1	2 2.00 2.20 2.30 2.30 2.30 2.4 2.70 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	5.40 6.20 6.30 6.40 6.20 6.70 6.30 6.40 6.20 6.70 6.30 6.40 6.20 6.70 6.30 6.40  bbust-2  5 5.40 6.00 6.20 6.00 6.00 6.00 6.00 6.00 6.0	1.60 1.70 1.60 1.40 1.30 1.40 1.30 1.10 1.10 1.10 1.10 1.10 1.20 weightin  1.40 1.30 1.10 1.30 1.10 1.30 1.10 1.30 1.10 1.30 1.10 1.30 1.10 1.30 1.10 1.30 1.10 1.1	2.10 1.20 1.30 1.50 1.70 2 2.00 1.20 1.30 1.50 1.60 ng with  2 1.60 1.10 1.20 1.40 1.50 1.50 1.50 1.70  cobust-2	3 2.50 1.90 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2	4 2.60 2.10 2.20 2.30 2.50 3 3 2.50 4 2.60 2.10 2.20 2.30 2.50 3 3 2.50 4 2.60 2.10 2.20 2.30 2.40 2.70 3 3 2.50 3 2.50 3 3 2.50 3 3 2.50 3 3 2.50 3 3 2.50 3 3 2.50 3 3 3 2.50 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7.00 8.20 9.00 8.30 8.40  5 7.00 8.20 9.00 8.30 8.40  ussian t  5 6.90 7.90 8.10 8.00 7.80  5 6.90 7.90 8.10 8.70 8.70 8.70 8.70 8.70 8.70 8.70 8.7	1.70 1.60 1.50 1.30 1.20  1.100 1.100 1.10 1.20 1.30 aper  1.40 0.99 0.96 0.93 0.94  1.170 1.60 1.150 1.30 1.20	2 1.40 1.80 1.80 1.90 1.40 1.50 1.60 1.70 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5	3 2.30 1.80 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	4 2.50 2.10 2.20 2.70 2.90 2.90 2.90 2.10 2.60 2.90 2.30 2.40 2.30 2.40 2.90 3.00 2.40 2.90 2.90 3.00	5 10.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 11.0

(i) DEC=-50, robust-2 weighting with a 1 arcsec Gaussian taper

Table 5: Noise (in  $\mu$ Jy) for a 166MHz band after an 8hr synthesis with a 60s integration for the different layouts at different scales. These values are generated at 650, 800 and 1100 MHz, at angular scales {0.4-1, 1-2, 2-3, 3-4, 600-3600} arcsec labeled as resbin {1, 2, 3, 4, 5} respectively, for natural, robust-2 weighting and robust-2 weighting with a 1 arcsec Gaussian taper. For each column, the intensity of the color increases with the value.

1			650MHz					800MHz	:				1100MHz	z	
resbin SKA1REF2 SKA1W9-12A54B90	9.33	8.99	3 6.76	5.57	2.76	8.83	7.77	3 5.72	4 4.79	1.88	7.19	6.09	3 4.49	4 3.88	1.07
SKA1W9-12A34B90 SKA1W9-12A60B100 SKA1W9-12A72B120	7.19 9.27 11.76	14.28 13.73 12.32	7.62 7.55 7.58	6.49 6.43 6.50	2.41 2.26 2.38	9.44 10.84 12.21	11.30 10.51 9.09	6.51 6.55 6.56	5.56 5.54 5.15	1.62 1.48 1.62	9.89 10.19 10.59	7.22 6.95 6.80	5.27 5.28 4.91	4.34 4.14 3.54	0.92 0.84 0.89
SKA1W9-12A80B133	13.26	11.13	7.61	6.29	2.37	12.67	8.70	6.52	4.81	1.61	10.68	6.80	4.64	3.39	0.91
I					(a) DEC	C=-10, 1			ng						
resbin SKA1REF2	1 8.21	6.75	650MHz 3 5.16	4 4.78	5 2.84	7.15	2 5.62	800MHz 3 4.61	4 4.26	5 1.88	1 5.61	11 2 4.29	00MHz 3 4.00	4 3.75	5
SKA1W9-12A54B90 SKA1W9-12A60B100	8.22 8.68	9.46	7.45	6.13	2.51	7.09	9.13 9.01	6.03	5.54 5.53	1.62	5.90	6.71	5.15	4.64 4.46	0.92
SKA1W9-12A72B120 SKA1W9-12A80B133	9.50 10.02	10.37 9.81	6.31 6.08	5.97 5.77	2.47 2.44	8.46 8.89	7.97 7.28	5.64 5.61	5.13 4.68	1.62 1.61	7.09 7.53	5.28 5.00		3.70 3.37	0.89
				(1	b) DEC=	=-10, ro	bust-2 w	veightin	g						
resbin	1	2	650MHz	4	5	II 1	2	800MHz 3	4	5	1 1	2	100MHz 3	4	5
SKA1REF2 SKA1W9-12A54B90	8.73 10.80	7.15	5.23 7.51	4.80 6.17	2.84	7.39 9.99	6.01 9.61	4.68 6.11	4.28 5.57	1.88 1.62	5.86 8.70	4.70 7.02	4.06 5.24	3.78 4.66	1.06 0.92
SKA1W9-12A60B100 SKA1W9-12A72B120	11.37	10.96	7.00 6.41	6.17	2.34	10.28	9.26 8.12	5.88 5.73	5.55 5.14	1.48	8.58 7.84	6.53 5.78	5.15 4.78	3.72	0.84
SKA1W9-12A80B133	11.94	9.84 (c)	6.18 DEC=	5.79 -10, ro	2.44 bust-2 v	9.93 veighting	7.57 g with a	5.70 1 arcse	4.69 ec Gaus	ssian tap	7.50 er	5.50	4.54	3.38	0.90
1			650MHz					800MHz		<b>r</b>			1100MHz	z	
resbin SKA1REF2	9.44	2 8.82	3 6.79	4 5.49	5 2.61	8.98	7.67	3 5.67	4.83	5 1.78	7.21	6.13	3 4.49	3.86	5 0.98
SKA1W9-12A54B90 SKA1W9-12A60B100	7.76 9.84	14.45	7.40 7.52 7.42	6.46	2.30	9.79 11.30	9.96	6.51	5.53 5.44	1.53	10.03	7.06 6.93	5.23	4.29	0.85
SKA1W9-12A72B120 SKA1W9-12A80B133	12.66 13.91	11.86 10.69	7.42	6.33	2.23	12.54 12.98	8.83 8.52	6.60	5.10 4.56	1.50	10.80	6.82	4.79	3.47	0.85
1					(d) DE	C=-30, 1	natural ·	weighti	ng						
resbin	1	2	650MHz 3	4	5	1	2	800MHz 3	4	5	1	2	100MHz 3	4	5
SKA1REF2 SKA1W9-12A54B90	8.72 8.58	7.14	5.65 7.29	5.24 6.66	2.67	7.67 7.46	5.91 10.49	5.08 6.44	4.73 5.93	1.78	5.90 6.15	4.64 6.98	4.30 5.53	4.02	0.98
SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133	9.19 10.12 10.77	11.81 11.14 10.19	7.00 6.81 6.72	6.62 6.57 6.24	2.15 2.28 2.27	8.00 8.84 9.48	9.89 8.22 7.37	6.27 6.35 6.20	5.78 5.41 4.94	1.39 1.50 1.50	6.66 7.60 8.05	6.18 5.63 5.40	5.45 5.05 4.71	4.64 3.76 3.42	0.81 0.85 0.86
		20120	9712		e) DEC:					2,00	3.33	0.00		0.122	0.00
I			650MHz					800MHz					1100MHz		
resbin SKA1REF2	9.22	7.61	3 5.74	4 5.26	2.67	8.02	6.39	3 5.17	4 4.76	1.78	6.37	5.14	3 4.38	4 4.05	0.98
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	11.79 12.48 12.82	11.94 12.28 11.16	7.40 7.11 6.94	6.70 6.65 6.59	2.33 2.15 2.28	10.99 11.42 10.89	9.90 8.49	6.55 6.39 6.45	5.95 5.80 5.43	1.53 1.39 1.50	9.58 9.19 8.24	7.34 6.68 6.22	5.62 5.53 5.10	4.89 4.66 3.78	0.85 0.81 0.85
SKA1W9-12A80B133	12.67	10.24	6.85	6.26	2.27	10.70	7.83	6.28	4.94	1.50	7.89	5.98	4.73	3.44	0.86
1		(f	) DEC=	=-30, re	obust-2 v	weightin	g with a			ssian tap	per				
resbin	1 9.50	2 8.80	650MHz 3 6.79	4	5	1	2	800MHz 3	4	5	1 7.10	2	1100MHz 3	4 3.88	5
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100	7.43 9.54	14.32 13.73	7.53	5.44 6.42 6.46	2.31	9.04 9.58 11.06	7.75 11.21 10.27	5.56 6.44 6.47	4.82 5.56 5.51	1.80 1.59 1.54	7.18 10.13 10.40	6.04 7.03 6.85	4.54 5.29 5.18	4.30 4.09	0.91 0.87
SKA1W9-12A72B120 SKA1W9-12A80B133	12.32 13.95	12.02	7.45	6.24	2.25	12.31 12.97	8.74 8.52	6.51 6.47	5.15 4.64	1.56 1.61	10.72 10.61	6.84	4.85 4.56	3.41	0.87
					(g) DE	C=-50, 1	natural	weightii	ng						
resbin	1	2	650MHz 3	4	5	II 1	2	800MHz 3	4	5	1 1	2	100MHz 3	4	5
SKA1REF2 SKA1W9-12A54B90	8.93 8.66	7.27	5.89 7.60	5.51	2.66	7.84	6.06	5.29 6.61	4.87 6.16	1.80 1.59	6.05	4.78 7.10	4.47 5.71	4.20	0.99
SKA1W9-12A60B100 SKA1W9-12A72B120	9.24 10.24	12.17 11.35	7.31 6.98	6.93 6.69	2.30 2.33	8.01 9.03	10.23 8.46	6.43 6.54	6.07 5.61	1.54 1.56	6.77 7.59	6.28 5.70	5.58 5.25	4.79 3.88	0.87 0.87
SKA1W9-12A80B133	10.90	10.45	6.99	6.60	2.42 h) DEC	9.64 =-50, ro	7.57 bust-2 v	6.43 veightir	5.12	1.61	8.18	5.57	4.95	3.43	0.89
1			CEONATA		,			Ü	0				1100MHz		
resbin SKA1REF2	9.45	7.77	650MHz 3 5.98	4 5.53	5 2.66	1 8.21	6.58	800MHz 3 5.37	4 4.89	5 1.80	6.53	5.33	1100MHz 3 4.56	4.22	5
SKA1W9-12A54B90 SKA1W9-12A60B100	12.07 12.84	12.19 12.66	7.71 7.43	6.89 6.96	2.41 2.30	11.31 11.69	11.05 10.24	6.73 6.55	6.19 6.09	1.59 1.54	9.84 9.29	7.47 6.84	5.81 5.67	5.08 4.81	0.91 0.87
SKA1W9-12A72B120 SKA1W9-12A80B133	13.04 12.95	11.35 10.50	7.12 7.13	6.72 6.62	2.33 2.42	11.38 10.91	8.72 8.05	6.64 6.53	5.62 5.12	1.56 1.61	8.47 8.17	6.35 6.22	5.30 4.97	3.90 3.45	0.87 0.89
		(i	DEC-	-50 rc	huet_2 t	voightin	o with a	1 2000	oc Can	ssian tar	ner .				

(i) DEC=-50, robust-2 weighting with a 1 arcsec Gaussian taper

Table 6: SNR after 8 hours relative to a  $10\mu Jy$  source at 1100 Hz (166 MHz band) with a spectral index of -0.7 for the different layouts. These values are generated at 650, 800 and 1100 MHz, at angular scales {0.4-1, 1-2, 2-3, 3-4, 600-3600} arcsec labeled as resbin {1, 2, 3, 4, 5} respectively, for natural, robust-2 weighting and robust-2 weighting with a 1 arcsec Gaussian taper. For each column, the intensity of the color increases with the value.

resbin	1	2	3	4	5
SKA1REF2	14.72	13.35	9.93	8.31	3.51
SKA1W9-12A54B90	15.45	19.59	11.32	9.58	3.05
SKA1W9-12A60B100	17.53	18.64	11.30	9.44	2.83
SKA1W9-12A72B120	19.99	16.75	11.17	9.02	3.01
SKA1W9-12A80B133	21 22	15.68	11.04	8.61	3.01

(a) DEC=-10, natural weighting

resbin	1	2	3	4	5
SKA1REF2	12.85	10.45	8.11	7.46	3.57
SKA1W9-12A54B90	17.09	15.94	11.01	9.53	3.13
SKA1W9-12A60B100	17.56	15.77	10.50	9.43	2.89
SKA1W9-12A72B120	17.61	14.45	9.84	8.73	3.09
SKA1W9-12A80B133	17.24	13.58	9.55	8 18	3.06

(c) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper

resbin	1	2	3	4	5
SKA1REF2	13.03	10.36	8.73	8.13	3.36
SKA1W9-12A54B90	12.93	16.57	11.19	10.16	2.92
SKA1W9-12A60B100	13.89	16.59	10.86	9.93	2.69
SKA1W9-12A72B120	15.44	14.95	10.59	9.31	2.86
SKA1W9-12A80B133	16.44	13.69	10.28	8.66	2.85

(e) DEC=-30, robust-2 weighting

resbin	1	2	3	4	5
SKA1REF2	14.95	13.20	9.88	8.24	3.32
SKA1W9-12A54B90	15.80	19.50	11.23	9.52	2.95
SKA1W9-12A60B100	17.93	18.46	11.17	9.43	2.83
SKA1W9-12A72B120	20.45	16.36	11.02	8.78	2.87
SKA1W9-12A80B133	21.80	15.34	11.00	8.41	2.97

(g) DEC=-50, natural weighting

resbin	1	2	3	4	5
SKA1REF2	14.12	11.49	9.24	8.51	3.36
SKA1W9-12A54B90	19.24	18.07	11.77	10.56	3.03
SKA1W9-12A60B100	19.70	17.67	11.41	10.42	2.90
SKA1W9-12A72B120	19.27	15.66	11.08	9.59	2.93
SKA1W9-12A80B133	18.80	14.62	10.87	9.05	3.04

(i) DEC=-50, robust-2 weighting with a 1 arcsec Gaussian taper

resbin	1	2	3	4	5
SKA1REF2	12.25	9.78	7.99	7.43	3.57
SKA1W9-12A54B90	12.35	14.76	10.88	9.48	3.13
SKA1W9-12A60B100	13.14	15.02	10.35	9.39	2.89
SKA1W9-12A72B120	14.56	14.10	9.70	8.70	3.09
SKA1W9-12A80B133	15.37	13.20	9.42	8.16	3.06

(b) DEC=-10, robust-2 weighting

resbin	1	2	3	4	5
SKA1REF2	14.89	13.20	9.93	8.27	3.31
SKA1W9-12A54B90	16.02	19.40	11.16	9.52	2.89
SKA1W9-12A60B100	18.23	18.23	11.19	9.32	2.65
SKA1W9-12A72B120	20.84	16.29	11.02	8.84	2.82
SKA1W9-12A80B133	21.77	15.23	10.98	8.36	2.81

(d) DEC=-30, natural weighting

resbin	1	2	3	4	5
SKA1REF2	13.78	11.19	8.88	8.17	3.36
SKA1W9-12A54B90	18.75	17.65	11.37	10.21	2.92
SKA1W9-12A60B100	19.25	17.13	11.04	9.98	2.69
SKA1W9-12A72B120	18.73	15.34	10.76	9.34	2.86
SKA1W9-12A80B133	18.36	14.21	10.43	8.68	2.85

(f) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper

resbin	1	2	3	4	5
SKA1REF2	13.33	10.60	9.09	8.47	3.36
SKA1W9-12A54B90	13.00	16.92	11.58	10.51	3.03
SKA1W9-12A60B100	13.98	17.09	11.22	10.38	2.90
SKA1W9-12A72B120	15.62	15.26	10.91	9.56	2.93
SKA1W9-12A80B133	16.70	14.05	10.71	9.03	3.04

(h) DEC=-50, robust-2 weighting

Table 7: SNR after 8 hours relative to a  $10\mu$ Jy source at 1100Hz (166 MHz band) with a spectral index of -0.7 averaged over 650,800 and 1100MHz, for the different layouts at different scales. These values are generated for angular scales {0.4-1, 1-2, 2-3, 3-4, 600-3600} arcsec labeled as resbin {1, 2, 3, 4, 5} respectively, for natural, robust-2 weighting and robust-2 weighting with a 1 arcsec Gaussian taper. For each column, the intensity of the color increases with the value.

resbin	1	2	3	4	5
SKA1REF2	3.69	4.49	8.12	11.59	64.98
SKA1W9-12A54B90	3.35	2.09	6.24	8.71	86.22
SKA1W9-12A60B100	2.60	2.30	6.26	8.97	99.96
SKA1W9-12A72B120	2.00	2.85	6.42	9.84	88.12
SKA1W9-12A80B133	1.78	3.25	6.56	10.79	88 29

(a) DEC=-10, natural weighting

resbin	- 1	2	3	4	5
	101	# 00	40.45	44.00	
SKA1REF2	4.84	7.32	12.17	14.38	62.87
SKA1W9-12A54B90	2.74	3.15	6.60	8.81	81.91
SKA1W9-12A60B100	2.59	3.22	7.26	8.99	95.76
SKA1W9-12A72B120	2.58	3.83	8.26	10.50	83.93
SKA1W9-12A80B133	2.69	4.34	8.77	11.95	85.43

(c) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper

resbin	1	2	3	4	5
SKA1REF2	4.71	7.45	10.49	12.11	71.03
SKA1W9-12A54B90	4.79	2.91	6.39	7.75	94.04
SKA1W9-12A60B100	4.15	2.91	6.78	8.11	110.59
SKA1W9-12A72B120	3.36	3.58	7.13	9.24	97.66
SKA1W9-12A80B133	2.96	4.27	7.57	10.66	98.41

(e) DEC=-30, robust-2 weighting

resbin	1	2	3	4	5
SKA1REF2	3.58	4.59	8.20	11.79	72.72
SKA1W9-12A54B90	3.21	2.10	6.34	8.82	91.86
SKA1W9-12A60B100	2.49	2.35	6.41	9.00	99.97
SKA1W9-12A72B120	1.91	2.99	6.59	10.38	97.29
SKA1W9-12A80B133	1.68	3.40	6.62	11.31	90.53

(g) DEC=-50, natural weighting

resbin	1	2	3	4	5
SKA1REF2	4.01	6.06	9.36	11.06	70.86
SKA1W9-12A54B90	2.16	2.45	5.78	7.17	87.38
SKA1W9-12A60B100	2.06	2.56	6.14	7.36	95.25
SKA1W9-12A72B120	2.15	3.26	6.51	8.70	92.94
SKA1W9-12A80B133	2.26	3.74	6.77	9.77	86.58

(i) DEC=-50, robust-2 weighting with a 1 arcsec Gaussian taper

resbin	1	2	3	4	5
SKA1REF2	5.33	8.37	12.52	14.51	62.87
SKA1W9-12A54B90	5.24	3.67	6.76	8.90	81.91
SKA1W9-12A60B100	4.63	3.55	7.47	9.07	95.76
SKA1W9-12A72B120	3.77	4.02	8.51	10.56	83.93
SKA1W9-12A80B133	3.39	4.59	9.01	12.01	85.43

(b) DEC=-10, robust-2 weighting

resbin	1	2	3	4	5
SKA1REF2	3.61	4.59	8.12	11.69	73.01
SKA1W9-12A54B90	3.12	2.12	6.43	8.82	95.61
SKA1W9-12A60B100	2.41	2.41	6.39	9.21	114.06
SKA1W9-12A72B120	1.84	3.02	6.59	10.24	100.69
SKA1W9-12A80B133	1.69	3.45	6.63	11.44	101.65

(d) DEC=-30, natural weighting

resbin	1	2	3	4	5
SKA1REF2	4.21	6.39	10.15	12.00	71.03
SKA1W9-12A54B90	2.28	2.57	6.19	7.68	94.04
SKA1W9-12A60B100	2.16	2.73	6.56	8.04	110.59
SKA1W9-12A72B120	2.28	3.40	6.91	9.18	97.66
SKA1W9-12A80B133	2.37	3.96	7.36	10.61	98.41

(f) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper

resbin	1	2	3	4	5
SKA1REF2	4.50	7.12	9.68	11.16	70.86
SKA1W9-12A54B90	4.73	2.79	5.97	7.24	87.38
SKA1W9-12A60B100	4.09	2.74	6.35	7.43	95.25
SKA1W9-12A72B120	3.28	3.43	6.72	8.76	92.94
SKA1W9-12A80B133	2.87	4.05	6.98	9.82	86.58

(h) DEC=-50, robust-2 weighting

Table 8: The hours required to reach an average SNR of 10 (average over 650,800 and 1100MHz), assuming a  $10\mu$ Jy source at 1100MHz with a spectral index of -0.7 for the different layouts at different scales. These values are generated for angular scales  $\{0.4\text{-}1, 1\text{-}2, 2\text{-}3, 3\text{-}4, 600\text{-}3600\}$  arcsec labeled as resbin  $\{1, 2, 3, 4, 5\}$  respectively, for natural, robust-2 weighting and robust-2 weighting with a 1 arcsec Gaussian taper. For each column, the intensity of the color increases with the value.

## 4 Conclusions

The metrics we have used suggest that the science goals (at least those listed in the SRD) can met by a layout which covers significantly less space compared the baseline layout. Some of these "smaller" perform better than the baseline layout at smaller scales, while not significantly compromising the larger scales. This obviously presents an opportunity to reduce trenching, which takes up a sizeable part of the budget. Moreover, bringing in the dishes further out translates to a greater sensitivity on the relevant (to the science goals of SKA1-Mid) smaller scales, as can be seen in tables 4-8. Even more encouraging is the fact that this doesn't compromise the size nor the symmetry of the PSF as seen in tables 2 and 3.

#### References

[1] http://www.skatelescope.org/wp-content/uploads/2013/05/SKA-TEL-SKO-DD-001-1\_BaselineDesign1.pdf