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 21st 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 63μ Jy beam⁻¹ hr^{1/2} 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 baselines¹. 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

¹uniform 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)². This layout has a maximum baseline of 173km.

 $\mathbf{W}i\text{-}j\mathbf{A}k\mathbf{B}l$ This is the REF2 layout with the core (within a radial distance of 300m from the centre REF2) "puffed up" by 10%, with i additional dishes and j dishes from the outer core (between 400m and 4km from the centre of REF2) 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.

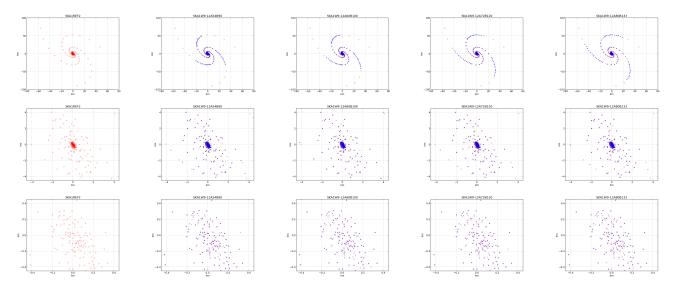


Figure 1: Antenna layouts, REF2 ploted as a reference (red crosses)

 $^{^2}$ We assume this to be the baseline layout.

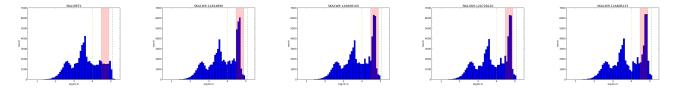


Figure 2: Baseline distribution with the uv-distance in log_{10} km . Yellow and green dashed lines mark 10 and 120 kilometres respectively, and the pink strip represents baselines from 30-80km.

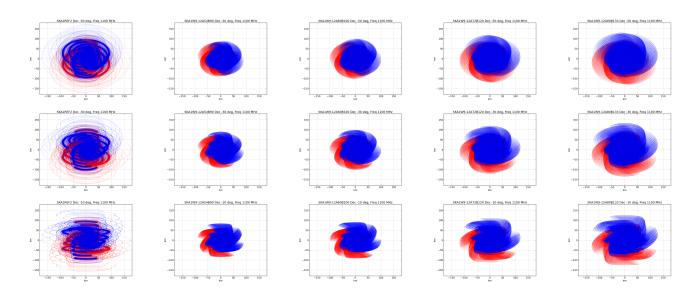


Figure 3: UV-Coverage for 8-hr tracks at 1.1 GHz (50MHz bandwidth) at declinations -50,-30,-10 for the different layouts. Blue indicates uv-points, red indicates conjugate uv-points.

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-taper³ 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).

³The 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 10μ 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

			650MH	Iz				800MF	Ιz				1100MF	Iz	
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2	0.65	1.33	2.33	3.35	803.08	0.60	1.33	2.35	3.34	792.32	0.59	1.33	2.35	3.35	763.61
SKA1W9-12A54B90	0.85	1.29	2.32	3.34	794.44	0.81	1.24	2.35	3.33	790.43	0.69	1.28	2.34	3.33	767.45 767.82
SKA1W9-12A60B100 SKA1W9-12A72B120	0.84	1.25	2.35	3.35	796.90 798.73	0.77	1.23	2.36 2.35	3.34	789.93 790.38	0.64	1.30	2.34	3.34	767.82
SKA1W9-12A72B120 SKA1W9-12A80B133	0.74	1.25	2.34	3.32	797.36	0.70	1.30	2.36	3.28	790.65	0.54	1.32	2.32	3.33	767.22
5K211 W 3-122100D133	0.14	1.20	2.04	0.02	131.30	0.00	1.00	2.00	0.20	130.00	0.04	1.02	2.50	0.00	101.22
					(a) DE	C = -10	natural	weigh	ting						
resbin	1	2	650MH 3	1z 	5	1 1	2	800MF 3	1z 4	5	II 1	2	1100MF 3	1z 	5
SKA1REF2	0.73	1.22	2.25	3.26	745.23	0.62	1.21	2.24	3.25	791.85	0.53	1.19	2.24	3.26	761.50
SKA1W9-12A54B90	0.96	1.22	2.23	3.25	732.34	0.78	1.16	2.23	3.25	790.56	0.59	1.15	2.24	3.25	766.98
SKA1W9-12A60B100	0.88	1.19	2.23	3.25	735.91	0.72	1.16	2.24	3.25	789.78	0.57	1.16	2.24	3.25	767.31
SKA1W9-12A72B120	0.77	1.16	2.24	3.25	736.00	0.64	1.15	2.24	3.25	790.19	0.53	1.17	2.23	3.25	761.79
SKA1W9-12A80B133	0.71	1.16	2.24	3.25	734.91	0.61	1.15	2.23	3.25	790.41	0.51	1.17	2.23	3.26	766.24
					(b) DE	C = -10,	robust-	2 weigh	nting						
ı			650MH	Iz				800MI	Ηz				1100MH	[z	
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2	1.03	1.33	2.27	3.27	745.23	0.98	1.31	2.27	3.26	791.85	0.94	1.29	2.26	3.26	761.50
SKA1W9-12A54B90	1.15	1.31	2.25	3.26	732.34	1.02	1.26	2.25	3.26	790.56	0.91	1.25	2.26	3.26	766.98
SKA1W9-12A60B100	1.09	1.28	2.25	3.26	735.91	0.98	1.25	2.26	3.26	789.78	0.89	1.26	2.26	3.26	767.31
SKA1W9-12A72B120 SKA1W9-12A80B133	0.98	1.26 1.25	2.26	3.26 3.25	736.00 734.91	0.93	1.25 1.25	2.26	3.26	790.19 790.41	0.87	1.26	2.25	3.26 3.27	761.79
5KA1W9-12A60B133	0.56	1.20										1.21	2.23	3.21	700.2
			(c) DE	∪ - -10,	100ust-2	weignt	mg with	ı a ı ar	usec Ga	aussian ta	rhei				
resbin	1	2	650MH	Iz 4	5	1	2	800MF	Iz 4	5	1 1	2	1100MF	Iz	5
resbin SKA1REF2	0.65	1.34	2.35	3.37	797.29	0.60	1.33	2.35	3.34	790.58	0.59	1.33	2.35	3.35	759.2
SKA1W9-12A54B90	0.87	1.27	2.35	3.35	788.73	0.81	1.22	2.35	3.33	791.56	0.68	1.30	2.34	3.34	761.5
SKA1W9-12A60B100	0.85	1.24	2.34	3.33	790.37	0.77	1.22	2.36	3.35	790.15	0.63	1.31	2.34	3.33	762.2
SKA1W9-12A72B120	0.78	1.22	2.37	3.35	792.88	0.69	1.29	2.34	3.31	790.22	0.56	1.33	2.32	3.34	752.2
SKA1W9-12A80B133	0.74	1.27	2.34	3.33	791.02	0.64	1.31	2.36	3.28	790.01	0.53	1.33	2.30	3.34	762.1
					(d) DF	C=-30	natural	weigh	ting						
					(a) DI	20- 00	navara.	we1811	8						
	-		650MH		-	11 4		800MI			П 4		1100MF		_
resbin SKA1REF2	0.71	1.21	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	3.25	5 757.1
SKA1W9-12A54B90	0.93	1.19	2.23	3.25	729.39	0.76	1.15	2.24	3.25	791.60	0.58	1.14	2.23	3.25	760.6
		1.10	2.20					2.2.	00						761.3
SKA1W9-12A60B100	0.86	1.17	2.23	3.25	729.56	0.70	1.14	2.24	3.25	789.93	0.55	1.15	2.23	3.25	
SKA1W9-12A60B100 SKA1W9-12A72B120	0.86 0.75	1.17 1.15	2.23 2.24	3.25 3.25	729.56 732.45	0.70	1.14	2.24	3.25 3.24	789.93 789.92	0.55 0.52	1.15 1.16	2.23	3.25 3.25	
SKA1W9-12A72B120															750.8
	0.75	1.15	2.24	3.25	732.45 729.42	0.63	1.14	2.23 2.24	3.24 3.24	789.92	0.52	1.16	2.22	3.25	750.8 761.0
SKA1W9-12A72B120	0.75	1.15	2.24 2.23	3.25 3.24	732.45 729.42	0.63	1.14 1.15	2.23 2.24 2 weigh	3.24 3.24 ating	789.92	0.52	1.16	2.22 2.23	3.25	750.8
SKA1W9-12A72B120 SKA1W9-12A80B133	0.75	1.15 1.14	2.24 2.23	3.25 3.24	732.45 729.42 (e) DE	0.63 0.60 C=-30,	1.14 1.15 robust-2	2.23 2.24 2 weigh	3.24 3.24 ating	789.92 789.70	0.52	1.16	2.22 2.23	3.25 3.26	750.8 761.0
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin	0.75	1.15 1.14	2.24 2.23 650MH 3	3.25 3.24 Iz	732.45 729.42 (e) DE	0.63 0.60 C=-30,	1.14 1.15 robust-2	2.23 2.24 2 weigh 800MH 3	3.24 3.24 ting	789.92 789.70	0.52	1.16 1.16	2.22 2.23 1100MH 3	3.25 3.26	750.8 761.0
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2	0.75 0.70 1 1.02	1.15 1.14 2 1.31	2.24 2.23 650MH 3 2.26	3.25 3.24 Iz 4 3.26	732.45 729.42 (e) DE	0.63 0.60 $C=-30$,	1.14 1.15 robust-2 2 1.29	2.23 2.24 2 weigh 800MH 3 2.27	3.24 3.24 sting Hz 4 3.25	789.92 789.70 5 789.76	0.52 0.50 1 0.93	1.16 1.16 2 1.28	2.22 2.23 1100MF 3 2.26	3.25 3.26 3.26 4 3.26	750.8 761.0 5 757.1
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90	0.75	1.15 1.14	2.24 2.23 650MH 3	3.25 3.24 Iz	732.45 729.42 (e) DE	0.63 0.60 C=-30,	1.14 1.15 robust-2	2.23 2.24 2 weigh 800MH 3	3.24 3.24 ting	789.92 789.70	0.52	1.16 1.16	2.22 2.23 1100MH 3	3.25 3.26	750.8 761.0 5 757.1 760.6
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	1 1.02 1.13 1.07	1.15 1.14 2 1.31 1.29 1.26 1.25	2.24 2.23 650MH 3 2.26 2.25 2.25 2.25	3.25 3.24 4 3.26 3.26 3.26 3.26	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92	1.14 1.15 robust-2 2 1.29 1.25 1.25 1.24	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.26 2.25	3.24 3.24 3.24 ting 4 3.25 3.26 3.26 3.26	789.92 789.70 5 789.76 791.60 789.93 789.92	0.52 0.50 1 0.93 0.90 0.89 0.87	1.16 1.16 2 1.28 1.25 1.25 1.26	2.22 2.23 1100MF 3 2.26 2.25 2.26 2.25	3.25 3.26 3.26 3.26 3.26 3.25 3.26	750.8 761.0 5 757.1 760.6 761.3 750.8
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100	0.75 0.70 1 1.02 1.13 1.07	1.15 1.14 2 1.31 1.29 1.26	2.24 2.23 650MH 3 2.26 2.25 2.25	3.25 3.24 Iz 4 3.26 3.26 3.26	732.45 729.42 (e) DE 5 737.52 729.39 729.56	0.63 0.60 C=-30,	1.14 1.15 robust-2 2 1.29 1.25 1.25	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.26	3.24 3.24 ating Hz 4 3.25 3.26 3.26	789.92 789.70 5 789.76 791.60 789.93	0.52 0.50 1 0.93 0.90 0.89	1.16 1.16 2 1.28 1.25 1.25	2.22 2.23 1100MF 3 2.26 2.25 2.26	3.25 3.26 3.26 4 3.26 3.26 3.25	750.8 761.0 5 757.1 760.6 761.3 750.8
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	1 1.02 1.13 1.07	1.15 1.14 2 1.31 1.29 1.26 1.25	2.24 2.23 650MH 3 2.26 2.25 2.25 2.25 2.26 2.26	3.25 3.24 4 3.26 3.26 3.26 3.26 3.26 3.25	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90	1.14 1.15 robust-2 2 1.29 1.25 1.25 1.24 1.25	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.26 2.25 2.26	3.24 3.24 3.24 ting 4 3.25 3.26 3.26 3.25 3.25	789.92 789.70 5 789.76 791.60 789.93 789.92	0.52 0.50 1 0.93 0.90 0.89 0.87	1.16 1.16 2 1.28 1.25 1.25 1.26	2.22 2.23 1100MF 3 2.26 2.25 2.26 2.25	3.25 3.26 3.26 4 3.26 3.26 3.25 3.26	750.8 761.0 5 757.1 760.6 761.3 750.8
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	1 1.02 1.13 1.07	1.15 1.14 2 1.31 1.29 1.26 1.25	2.24 2.23 650MH 3 2.26 2.25 2.25 2.26 2.26 (f) DE6	3.25 3.24 4 3.26 3.26 3.26 3.26 3.26 3.25 C=-30,	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90	1.14 1.15 robust-2 2 1.29 1.25 1.25 1.24 1.25	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.26 2.25 2.26 a 1 ar	3.24 3.24 3.24 4 3.25 3.26 3.26 3.25 3.25 3.25	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70	0.52 0.50 1 0.93 0.90 0.89 0.87	1.16 1.16 2 1.28 1.25 1.25 1.26	2.22 2.23 1100MF 3 2.26 2.25 2.26 2.25 2.25	3.25 3.26 3.26 3.26 3.25 3.26 3.27	750.8 761.0 5 757.1 760.6 761.3 750.8
resbin SKA1W9-12A5BB133 resbin SKA1REF2 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133	1 1.02 1.13 1.07	1.15 1.14 2 1.31 1.29 1.26 1.25	2.24 2.23 650MH 3 2.26 2.25 2.25 2.25 2.26 2.26	3.25 3.24 4 3.26 3.26 3.26 3.26 3.26 3.25 C=-30,	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90	1.14 1.15 robust-2 2 1.29 1.25 1.25 1.24 1.25	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.26 2.25 2.26	3.24 3.24 3.24 4 3.25 3.26 3.26 3.25 3.25 3.25	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70	0.52 0.50 1 0.93 0.90 0.89 0.87	1.16 1.16 2 1.28 1.25 1.25 1.26	2.22 2.23 1100MF 3 2.26 2.25 2.26 2.25	3.25 3.26 3.26 3.26 3.25 3.26 3.27	750.8 761.0 5 757.1 760.6 761.3 750.8
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B130	1 1.02 1.13 1.07 1.00 0.96	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25	2.24 2.23 650MH 3 2.26 2.25 2.25 2.26 2.26 (f) DE	3.25 3.24 4 3.26 3.26 3.26 3.26 3.25 C=-30,	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight	1.14 1.15 robust-2 2 1.29 1.25 1.25 1.24 1.25	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.26 2.25 2.26 a 1 ar 800MF 3	3.24 3.24 3.24 3.25 4 3.25 3.26 3.25 3.25 3.25 3.25	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87	1.16 1.16 2 1.28 1.25 1.25 1.26 1.26	2.22 2.23 1100MF 3 2.26 2.25 2.25 2.25 2.25 2.25 2.25	3.25 3.26 3.26 3.26 3.26 3.25 3.26 3.27	750.8 761.0 5 757.1 760.6 761.6 761.6
FRA1W9-12A72B120 SKA1W9-12A80B133 FRA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 FRA1W9-12A80B133	1 1.02 1.13 1.07 1.00 0.96	1.15 1.14 2 1.31 1.29 1.25 1.25 1.25	2.24 2.23 650MH 3 2.26 2.25 2.26 2.26 2.26 (f) DE	3.25 3.24 4 3.26 3.26 3.26 3.26 3.25 C=-30,	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight	1.14 1.15 robust-: 2 1.29 1.25 1.25 1.24 1.25 ing with	2.23 2.24 2 weigh 800MH 3 2.27 2.26 2.25 2.25 2.26 a 1 ar 800MH 3 2.36 2.35	3.24 3.24 3.24 3.25 3.26 3.26 3.25 3.25 3.25 4.25 4.33 4.33 4.33 4.33	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87	1.16 1.16 1.28 1.25 1.25 1.26 1.26	2.22 2.23 1100MF 3 2.26 2.25 2.25 2.25 2.25 2.25 2.25 2.25	3.25 3.26 3.26 3.26 3.26 3.27 4 3.36 3.37	750.8 761.0 5 757.1 760.6 761.3 761.0
SKA1W9-12A72B120 SKA1W9-12A80B133 SKA1W9-12A80B133 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133	1 1.02 1.13 1.07 1.00 0.96	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25	2.24 2.23 650MH 3 2.26 2.25 2.25 2.26 2.26 (f) DE	3.25 3.24 4 3.26 3.26 3.26 3.26 3.25 C=-30,	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight	1.14 1.15 robust-2 2 1.29 1.25 1.25 1.24 1.25 ing with	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.26 2.25 2.26 a 1 ar 800MF 3	3.24 3.24 3.24 3.25 3.25 3.26 3.25 3.25 3.25 3.25	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87	1.16 1.16 1.28 1.25 1.25 1.26 1.26	2.22 2.23 1100MF 3 2.26 2.25 2.25 2.25 2.25 2.25 2.25	3.25 3.26 3.26 3.26 3.26 3.25 3.26 3.27	750.8 761.0 5 757.1 760.6 761.3 761.0
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	1 1.02 1.13 1.00 0.96 1 1 0.65 0.87 0.85 0.79	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 1.25	650MH 3 2.25 2.25 2.25 2.26 (f) DE 650MH 3 2.34 2.34 2.34 2.34 2.35	3.25 3.24 4 3.26 3.26 3.26 3.25 C=-30, 4 3.35 3.33 3.33 3.33	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 5 799.83 793.72 796.94 796.94	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight 1 0.60 0.81 0.77	1.14 1.15 robust-: 2 1.29 1.25 1.25 1.24 1.25 1.24 1.25 1.24 1.25 1.22 1.23 1.22 1.22	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.25 2.26 a 1 ar 800MF 3 2.36 2.35 2.35 2.35	3.24 3.24 3.24 4.3.25 3.26 3.26 3.25 3.25 3.25 CSEC Ga	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87 per	1.16 1.16 1.28 1.25 1.25 1.26 1.26 1.33 1.31 1.32	1100MF 3 2.26 2.25 2.25 2.25 2.25 2.34 2.34 2.34 2.34	3.25 3.26 3.26 3.26 3.25 3.26 3.27 4 3.36 3.34 3.34 3.34	750 761 5 757 760 761 5 763 761 756
SKA1W9-12A72B120 SKA1W9-12A80B133 Presbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 Presbin SKA1W9-12A480B133 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100	1 1.02 1.13 1.07 1.00 0.96	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 1.25	650MH 3 2.26 2.25 2.26 2.26 (f) DE 650MH 3 2.34 2.34 2.34 2.34	3.25 3.24 4 3.26 3.26 3.26 3.25 C=-30,	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 5 799.83 793.72 796.94 796.68 796.20	0.63 0.60 C=-30, 1.00 0.97 0.92 0.90 weight 1 0.60 0.81 0.77 0.70 0.65	1.14 1.15 robust-: 2 1.29 1.25 1.25 1.25 1.25 1.25 1.25 1.21 1.22 1.33 1.22 1.28 1.31	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.25 2.26 2.25 2.26 1 a 1 ar 800MF 3 2.36 2.35 2.36 2.35 2.36	3.24 3.24 3.24 4.3.25 3.26 3.25 3.25 3.25 csec Ga 4.3.34 3.34 3.33 3.34 3.32 3.27	789.92 789.70 5 789.76 791.60 789.92 789.92 789.70 aussian ta	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87	1.16 1.16 1.16 2 1.28 1.25 1.26 1.26 1.26	2.22 2.23 1100MF 3 2.26 2.25 2.25 2.25 2.25 2.25 2.25	3.25 3.26 4 3.26 3.26 3.25 3.26 3.27	750.8 761.0 5 757.1 760.6 761.2 750.8 761.2 761.2
SKA1W9-12A72B120 SKA1W9-12A80B133 Presbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 Presbin SKA1W9-12A480B133 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100	1 1.02 1.13 1.00 0.96 1 1 0.65 0.87 0.85 0.79	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 1.25	650MH 3 2.25 2.25 2.25 2.26 (f) DE 650MH 3 2.34 2.34 2.34 2.34 2.35	3.25 3.24 4 3.26 3.26 3.26 3.25 C=-30, 4 3.35 3.33 3.33 3.33	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 5 799.83 793.72 796.94 796.68 796.20	0.63 0.60 C=-30, 1.00 0.97 0.92 0.90 weight 1 0.60 0.81 0.77 0.70 0.65	1.14 1.15 robust-: 2 1.29 1.25 1.25 1.24 1.25 1.24 1.25 1.24 1.25 1.22 1.23 1.22 1.22	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.25 2.26 2.25 2.26 1 a 1 ar 800MF 3 2.36 2.35 2.36 2.35 2.36	3.24 3.24 3.24 4.3.25 3.26 3.25 3.25 3.25 csec Ga 4.3.34 3.34 3.33 3.34 3.32 3.27	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87 per	1.16 1.16 1.28 1.25 1.25 1.26 1.26 1.33 1.31 1.32	1100MF 3 2.26 2.25 2.25 2.25 2.25 2.34 2.34 2.34 2.34	3.25 3.26 3.26 3.26 3.25 3.26 3.27 4 3.36 3.34 3.34 3.34	750.8 761.0 5 757.1 760.0 761.1 750.8 761.1 761.2 761.2
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120	1 1.02 1.13 1.07 1.00 0.96	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 1.25	650MH 3 2.26 2.25 2.26 2.26 2.26 2.34 2.34 2.34 2.33 2.35 2.33	3.25 3.24 4 3.26 3.26 3.26 3.25 C=-30, Iz 4 3.35 3.33 3.33 3.33 3.33	732.45 729.42 (e) DE 5 737.52 729.39 729.56 729.42 robust-2 5 799.83 793.72 796.94 796.68 796.20 (g) DE	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight 1 0.60 0.81 0.77 0.70 0.65 CC=-50,	1.14 1.15 robust-2 1.29 1.25 1.25 1.24 1.25 ing with 2 1.33 1.22 1.28 1.31 natural	2.23 2.24 2 weigh 800MF 2.27 2.26 2.26 2.25 2.26 a 1 ar 800MF 3 2.36 2.35 2.36 2.35 2.36 2.35 2.36	3.24 3.24 3.24 4.3.25 3.26 3.26 3.25 3.25 3.25 3.25 3.25 4.3.34 3.34 3.34 3.32 3.27 ting	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta 5 789.57 786.93 787.46 786.41 786.28	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87 per	1.16 1.16 1.16 1.16 1.28 1.25 1.26 1.26 1.26 1.33 1.33 1.33 1.33	1100MF 3 2.26 2.25 2.25 2.25 2.25 2.25 2.25 2.25	3.25 3.26 4 3.26 3.25 3.25 3.27 4 3.34 3.34 3.34 3.34 3.34	750.8 761.6 5 757.1 760.6 761.5 761.6 761.2 761.2 761.2
resbin SKA1W9-12A5B120 SKA1W9-12A80B133 ressbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	1 1.02 1.13 1.07 1.00 0.96	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 1.25 1.25	650MH 3 2.26 2.25 2.26 (f) DE 650MH 3 2.34 2.34 2.34 2.33 2.35 2.33	3.25 3.24 4 3.26 3.26 3.26 3.25 3.25 3.35 3.33 3.33 3.33 3.33 3.33	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 5 799.83 793.72 796.94 796.68 796.20 (g) DE	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight 1 0.60 0.81 0.70 0.65 CC=-50,	1.14 1.15 robust-: 2 1.29 1.25 1.25 1.24 1.25 1.25 1.24 1.25 1.33 1.22 1.28 1.31 natural	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.26 2.25 2.26 3 a 1 ar 800MF 3 2.36 2.35 2.36 2.35 2.36 2.35 2.36	3.24 3.24 3.24 4 3.25 3.26 3.26 3.25 3.25 csec Ga 4 3.34 3.34 3.34 3.32 3.27 ting	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87 per	1.16 1.16 1.28 1.25 1.25 1.26 1.26 1.33 1.31 1.32 1.33 1.33	1100MF 3 2.26 2.25 2	3.25 3.26 3.26 3.26 3.25 3.26 3.27 4 3.36 3.34 3.34 3.34 3.34	750.8 761.0 5 757.1 760.6 761.3 750.8 761.0 761.2 761.2 762.5
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90	1 1.02 1.13 1.07 1.00 0.96 1 0.65 0.87 0.85 0.79 0.74	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 1.25 2 1.34 1.27 1.24 1.22 1.26	650MH 3 2.26 2.25 2.26 2.26 2.26 (f) DE 650MH 3 2.34 2.34 2.33 2.35 2.35 2.33	3.25 3.24 4 3.26 3.26 3.26 3.25 C=-30, 4 3.35 3.33 3.33 3.34 3.32	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 5 799.83 793.72 796.94 796.68 796.20 (g) DE	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight 1 0.60 0.81 0.77 0.70 0.70 0.65 0.	1.14 1.15 robust-1.29 1.29 1.25 1.25 1.25 1.25 1.25 1.22 1.22 1.22	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.26 2.25 2.26 a 1 ar 800MF 3 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.25	3.24 3.24 3.24 tting 12 4 3.25 3.26 3.25 3.25 3.25 csec Ga 12 4 3.34 3.33 3.34 3.32 3.27 tting	789.92 789.70 5 789.76 791.60 789.92 789.70 aussian ta 5 789.57 786.93 787.46 786.41 786.28	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87 0.87 0.50 0.51	1.16 1.16 1.16 1.16 1.20 1.28 1.25 1.26 1.26 1.26 1.31 1.31 1.32 1.33 1.33 1.33	1100MF 3 2.26 2.25 2	3.25 3.26 3.26 3.26 3.25 3.25 3.27 4 3.36 3.34 3.34 3.34 3.34 3.34	750.8 761.0 5 757.1 760.6 761.3 750.8 761.0 5 761.2 761.2 761.2
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120	1 1.02 1.13 1.07 1.00 0.96	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 2 1.34 1.27 1.24 1.22 1.26	650MH 3 2.26 2.25 2.26 (f) DE/ 650MH 3 2.34 2.34 2.34 2.33 2.35 2.33	3.25 3.24 4 3.26 3.26 3.26 3.25 C=-30, 1z 4 3.35 3.33 3.33 3.33 3.34 3.32	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 5 799.83 793.72 796.68 796.20 (g) DE	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight 1 0.60 0.81 0.77 0.70 0.65 C=-50,	1.14 1.15 robust-2 1.29 1.25 1.25 1.24 1.25 1.25 1.24 1.25 1.33 1.22 1.28 1.31 natural	2.23 2.24 2 weigh 800MF 3 2.26 2.26 2.25 2.26 a 1 ar 800MF 3 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.25 2.26 2.25 2.26 2.26 2.27 2.26 2.27 2.26 2.27 2.27	3.24 3.24 3.24 3.24 3.24 3.24 3.25 3.26 3.26 3.25 3.25 csec Ga 4 3.34 3.34 3.33 3.32 3.27 ting	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta 5 789.57 786.93 787.46 786.41 786.28	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87 0.87 0.58 0.68 0.68 0.56 0.53	1.16 1.16 1.16 1.16 1.16 1.28 1.25 1.26 1.26 1.26 1.33 1.31 1.32 1.33 1.33 1.31 1.31 1.32 1.33 1.31 1.31	1100MF 3 2.26 2.25 2.25 2.25 2.25 2.25 2.25 2.25	3.25 3.26 3.26 3.26 3.25 3.25 3.27 4 3.36 3.34 3.34 3.34 3.34 3.34 3.34 3.	750.8 761.0 5 757.1 760.6 761.2 750.8 761.2 761.2 762.3 762.3
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120	1 1.02 1.13 1.07 1.00 0.96 1 0.65 0.87 0.87 0.79 0.74	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 1.25 1.25 1.25 1.27 1.27 1.29 1.26 1.27 1.27 1.29 1.26	650MH 3 2.26 2.25 2.26 2.26 (f) DE 650MH 3 2.34 2.34 2.34 2.33 2.35 2.33	3.25 3.24 4 3.26 3.26 3.26 3.25 3.25 3.33 3.33 3.33 3.33 4 3.26 3.25 3.25 3.25	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 5 799.83 793.72 796.94 796.68 796.20 (g) DE	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight 1 0.60 0.81 0.77 0.70 0.65 CC=-50,	1.14 1.15 robust-: 2 1.29 1.25 1.25 1.24 1.25 1.28 1.31 natural	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.26 2.25 2.26 2.36 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.24 2.24 2.24	3.24 3.24 3.24 4 3.25 3.26 3.26 3.25 3.25 csec Ga 4 3.34 3.34 3.32 3.32 3.27 ting	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta 5 786.93 787.46 786.41 786.28	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87 0.87 0.58 0.68 0.64 0.56 0.53	1.16 1.16 1.16 2 1.28 1.25 1.26 1.26 1.33 1.31 1.32 1.33 1.33 1.31	1100MF 3 2.26 2.25 2.25 2.25 2.25 2.25 2.25 2.25	3.25 3.26 3.26 3.26 3.25 3.26 3.27 4 3.36 3.34 3.34 3.34 3.34 3.34 3.34 3.	750.8 761.0 5 757.1 760.6 761.3 750.8 761.2 761.2 761.2 762.5
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	1 1.02 1.13 1.07 1.00 0.96	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 2 1.34 1.27 1.24 1.22 1.26	650MH 3 2.26 2.25 2.26 (f) DE/ 650MH 3 2.34 2.34 2.34 2.33 2.35 2.33	3.25 3.24 4 3.26 3.26 3.25 3.25 3.35 4 3.33 3.33 3.33 3.33 3.33 3.32 4 3.26 3.25 3.25 3.26 3.25	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 5 799.83 793.72 796.68 796.20 (g) DE	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight 1 0.60 0.81 0.77 0.70 0.65 C=-50,	1.14 1.15 robust-2 1.29 1.25 1.25 1.24 1.25 1.25 1.24 1.25 1.33 1.22 1.28 1.31 natural	2.23 2.24 2 weigh 800MF 3 2.26 2.26 2.25 2.26 a 1 ar 800MF 3 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.25 2.26 2.25 2.26 2.26 2.27 2.26 2.27 2.26 2.27 2.27	3.24 3.24 3.24 3.24 3.24 3.24 3.25 3.26 3.26 3.25 3.25 csec Ga 4 3.34 3.34 3.33 3.32 3.27 ting	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta 5 789.57 786.93 787.46 786.41 786.28	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87 0.87 0.58 0.68 0.68 0.56 0.53	1.16 1.16 1.16 1.16 1.16 1.20 1.21 1.25 1.26 1.26 1.26 1.26 1.33 1.33 1.33 1.33 1.33 1.33 1.33	1100MF 3 2.26 2.25 2.25 2.25 2.25 2.25 2.25 2.25	3.25 3.26 3.26 3.26 3.25 3.25 3.27 4 3.36 3.34 3.34 3.34 3.34 3.34 3.34 3.	750.8 761.6 5 757.1 760.6 761.6 761.6 761.6 762.6 762.6 762.6 762.6 760.8
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	1 1.02 1.13 1.07 1.00 0.96 1 0.65 0.87 0.74	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 2 1.34 1.27 1.24 1.22 1.26 2 1.11 1.19 1.16	650MH 3 2.26 2.25 2.26 2.26 2.26 (f) DE 650MH 3 2.34 2.34 2.34 2.35 2.35 2.35 2.33 2.26 2.27 2.28 2.88 2.	3.25 3.24 4 3.26 3.26 3.26 3.25 3.25 3.33 3.33 3.33 3.33 4 3.26 3.25 3.25 3.25	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 5 799.83 793.72 796.94 796.68 796.20 (g) DE 5 743.31 735.05 738.92 741.45 737.83	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight 1 0.60 0.81 0.77 0.70 0.65 0.65 0.77 0.70 0.65 0.65 0.77 0.70 0.65 0.	1.14 1.15 robust-1 2 1.29 1.25 1.25 1.25 1.25 1.25 1.22 1.22 1.28 1.31 natural	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.25 2.26 2.25 2.26 3 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.25 2.36 2.25 2.36 2.25 2.36 2.25 2.36 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.36 2.35 2.36 2.35 2.36 2.36 2.36 2.36 2.36 2.36 2.36 2.36	3.24 3.24 3.24 3.24 4 3.25 3.26 3.25 3.25 3.25 csec Ga 4 3.34 3.34 3.32 3.27 ting 4 4 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta 5 786.93 787.46 786.41 786.28	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87 0.87 0.50 1 0.56 0.53	1.16 1.16 1.16 2 1.28 1.25 1.26 1.26 1.33 1.31 1.32 1.33 1.33 1.31	1100MF 3 2.26 2.25 2.25 2.25 2.25 2.25 2.25 2.25	3.25 3.26 3.26 3.26 3.25 3.27 4 3.36 3.34 3.34 3.34 3.34 3.34 3.34 3.	750.8 761.6 5 757.1 760.6 761.6 761.6 761.6 762.6 762.6 762.6 762.6 760.8
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120	1 1.02 1.13 1.07 1.00 0.96 1 0.65 0.87 0.74	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 2 1.34 1.27 1.24 1.22 1.26 2 1.11 1.19 1.16	650MH 3 2.26 2.25 2.26 2.26 2.26 (f) DE 650MH 3 2.34 2.34 2.34 2.35 2.35 2.35 2.33 2.26 2.27 2.28 2.88 2.	3.25 3.24 4 3.26 3.26 3.25 3.25 3.35 4 3.33 3.33 3.33 3.33 3.33 3.32 4 3.26 3.25 3.25 3.26 3.25	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 5 799.83 793.72 796.94 796.68 796.20 (g) DE 5 743.31 735.05 738.92 741.45 737.83	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight 1 0.60 0.81 0.77 0.70 0.65 0.65 0.77 0.70 0.65 0.65 0.77 0.70 0.65 0.	1.14 1.15 robust-2 1.29 1.25 1.25 1.25 1.25 1.25 1.22 1.22 1.28 1.31 natural	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.25 2.26 2.25 2.26 3 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.25 2.36 2.25 2.36 2.25 2.36 2.25 2.36 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.36 2.35 2.36 2.35 2.36 2.36 2.36 2.36 2.36 2.36 2.36 2.36	3.24 3.24 3.24 3.24 4 3.25 3.26 3.25 3.25 3.25 csec Ga 4 3.34 3.34 3.32 3.27 ting 4 4 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta 5 786.93 787.46 786.41 786.28	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87 0.87 0.50 1 0.56 0.53	1.16 1.16 1.16 1.16 1.16 1.20 1.21 1.25 1.26 1.26 1.26 1.26 1.33 1.33 1.33 1.33 1.33 1.33 1.33	1100MF 3 2.26 2.25 2.25 2.25 2.25 2.25 2.25 2.25	3.25 3.26 3.26 3.26 3.25 3.27 4 3.36 3.34 3.34 3.34 3.34 3.34 3.34 3.	750.8 761.6 5 757.1 760.6 761.6 761.6 761.6 762.6 762.6 762.6 762.6 760.8
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133	1 1.02 1.13 1.07 1.00 0.96 1 0.65 0.87 0.85 0.79 0.74	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 2 1.34 1.27 1.24 1.22 1.26 2 1.11 1.10 1.11 1.11 1.11	650MH 3 650MH 3 2.26 2.25 2.26 2.26 2.26 3 2.34 2.34 2.33 2.35 2.33 2.42 2.23 2.24 2.23	3.25 3.24 4 3.26 3.26 3.25 C=-30, Iz 4 3.33 3.33 3.33 3.34 3.32 4 3.26 3.25 3.25 3.25 3.26 3.25 3.26 3.25 3.26 3.25 3.26 3.25 3.26 3.36 3.66 3.66 3.66 3.66 3.66 3.66 3.66 3.66 3.66 3.66 3.66 3.66 3.66 3.6	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 5 799.83 793.72 796.94 796.68 796.20 (g) DE 5 743.31 735.05 743.83 (h) DE	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight 1 0.60 0.81 0.77 0.70 0.60 0.77 0.70 0.63 0.60 C=-50,	1.14 1.15 robust-1.29 1.29 1.25 1.25 1.25 1.25 1.25 1.22 1.28 1.31 natural	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.25 2.26 a 1 ar 800MF 3 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.25 2.25 2.25 2.26 2.25 2.25 2.26 2.25 2.25	3.24 3.24 3.24 3.24 4 4 3.25 3.26 3.25 3.25 3.25 csec Ga Hz 4 3.34 3.32 3.37 ting Hz 4 3.25 3.25 3.25 3.24 3.24 3.24 3.24	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta 5 786.93 787.46 786.41 786.28 5 788.86 786.91 787.29 786.27	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87 0.87 0.56 0.53	1.16 1.16 1.16 1.16 1.16 1.28 1.25 1.26 1.26 1.26 1.33 1.31 1.32 1.33 1.33 1.33 1.33 1.31	1100MF 3 2.26 2.25 2	3.25 3.26 3.26 3.26 3.25 3.27 4 3.36 3.34 3.34 3.34 3.34 3.34 3.25 3.25 3.25 3.25 3.26	750.8 761.6 761.6 761.6 761.6 761.6 761.6 761.6 762.6 762.6 762.6 762.6 762.6
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A80B133	1 1.02 1.13 1.07 1.00 0.96 1 0.65 0.87 0.85 0.79 0.74	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 2 1.34 1.27 1.24 1.22 1.26 2 1.1.11 1.19 1.16 1.15 1.14	650MH 3 2.26 2.25 2.26 2.26 2.26 2.34 2.34 2.34 2.34 2.35 2.35 2.33 2.35 2.32 2.33 650MH 3 2.24 2.23 2.23 2.23 2.23	3.25 3.24 4 3.26 3.26 3.25 C=-30, Iz 4 3.35 3.33 3.33 3.33 3.34 3.25 3.25 3.25 3.25 3.25	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 5 799.83 793.72 796.94 796.68 796.20 (g) DE 5 743.31 735.05 738.92 741.45 737.83 (h) DE	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight 1 0.60 0.81 0.77 0.70 0.65 CC=-50,	1.14 1.15 robust-2 1.29 1.25 1.25 1.24 1.25 ing with 2 1.33 1.22 1.28 1.31 natural	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.25 2.26 2.25 2.26 3 1 ar 800MF 3 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.25 2.36 2.25 2.36 2.25 2.36 2.25 2.36 2.25 2.36 2.25 2.36 2.36 2.36 2.36 2.36 2.36 2.36 2.36	3.24 3.24 3.24 3.24 3.24 3.24 3.25 3.26 3.26 3.25 3.25 3.25 csec Ga 4 3.34 3.33 3.34 3.32 3.27 ting 4 4 3.25 3.25 3.25 3.24 3.24 atting	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta 5 786.93 787.46 786.41 786.28	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87 0.87 0.50 1 0.56 0.53 1 0.51 0.58 0.58 0.58	1.16 1.16 1.16 1.16 1.16 1.28 1.25 1.26 1.26 1.26 1.31 1.32 1.33 1.33 1.33 1.33 1.33 1.33	1100MF 3 2.26 2.25 2	Iz 4 3.26 3.26 3.26 3.25 3.26 3.27 Iz 4 3.34 3.34 3.34 3.34 3.34 3.35 3.25 3.25 3.25 3.25 3.25 3.25 3.26	750.8 761.6 5 757.1 760.6 761.6 761.6 761.6 762.6 762.6 762.6 762.6 762.6
FRAINW9-12A72B120 SKA1W9-12A80B133 FRESDIN SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B133 FRESDIN SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90	1 1.02 1.13 1.07 1.00 0.96 1 1 0.65 0.87 0.85 0.79 0.74 1 0.94 0.87 0.76 0.70	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 1.25 1.26 1.1.11 1.12 1.12 1.12 1.13 1.14 1.15 1.14	650MH 3 2.26 2.25 2.25 2.26 (f) DE 650MH 3 2.34 2.34 2.34 2.34 2.34 2.35 2.35 2.35 2.36 650MH 3 2.24 2.23 2.24 2.23 2.24 2.23 2.24 2.23 2.24 2.23 2.24 2.23 2.24 2.23 2.24 2.23 2.24 2.23 2.24 2.23 2.24 2.25 2.26 650MH 3.26 650MH 3.26 650MH 3.26 650MH 3.26 650MH 3.26 650MH 3.26 650MH 3.26 650MH 3.26 650MH 3.26 650MH 3.26 650MH 3.26 650MH 3.26 650MH 3.27 650MH 3.00MH 3.00MH 3.00MH 3.00MH 3.00MH 3.00MH 3.00MH	3.25 3.24 4 3.35 3.26 3.26 3.26 3.26 3.25 C=-30, Iz 4 3.35 3.33 3.33 3.34 3.32 4 3.25 3.25 3.25 4 3.25 3.26 4 3.26 3.33 3.33 3.33 3.32 3.26 3.2	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 robust-2 6 799.83 793.72 796.94 796.68 796.20 (g) DF 743.31 735.05 738.92 741.45 737.83 (h) DE	1	1.14 1.15 robust-: 2 1.29 1.25 1.25 1.25 1.25 1.25 1.28 1.31 natural	2.23 2.24 2 weigh 800MH 3 2.26 2.26 2.25 2.26 1 a 1 ar 800MH 3 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.25 2.36 2.25 2.26 2.26	3.24 3.24 3.24 3.24 3.24 3.24 3.24 3.25 3.26 3.26 3.25 3.25 4 3.34 3.33 3.32 3.27 ting Hz 4 3.25 3.25 3.25 3.24 atting	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta 5 789.57 786.93 787.46 786.41 786.28	0.52 0.50 1 1 0.93 0.90 0.87 0.87 0.87 0.87 0.58 0.68 0.56 0.53 1 0.51 0.58 0.56 0.52 0.50	1.16 1.16 1.16 1.16 1.16 1.28 1.25 1.26 1.26 1.26 1.33 1.31 1.32 1.33 1.33 1.31 1.32 1.16 1.16 1.16 1.16	1100MF 3 2.26 2.25 2.25 2.25 2.25 2.25 2.25 1100MF 3 2.24 2.23 2.23 2.24 2.23 2.23 2.24 2.23 2.23	3.25 3.26 3.26 3.26 3.25 3.26 3.27 4 3.36 3.34 3.34 3.34 3.34 3.34 3.25 3.25 3.26	750.8 761.6 5 757.1 760.6 761.3 750.8 761.2 761.2 762.5 762.5 762.5
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90	1 1.02 1.13 1.07 1.00 0.96 1 0.65 0.87 0.85 0.79 0.74 1 0.71 0.94 0.87 0.76 0.70	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 2 1.34 1.27 1.24 1.22 1.26 2 1.31 1.19 1.16 1.15 1.11 1.28	650MH 3 2.26 2.25 2.26 2.26 2.26 2.34 2.34 2.34 2.34 2.35 2.35 2.33 2.35 2.33 650MH 3 2.24 2.23 2.23 2.23 2.23	3.25 3.24 4 3.26 3.26 3.25 C=-30, 4 3.35 3.33 3.34 3.32 4 3.25 3.25 3.25 3.24	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 5 799.83 793.72 796.94 796.68 796.20 (g) DE 5 743.31 735.05 741.45 737.83 (h) DE	0.63 0.60 C=-30, 1 0.97 1.00 0.97 0.92 0.90 weight 1 0.60 0.81 0.77 0.70 0.65 CC=-50,	1.14 1.15 robust-1 2 1.29 1.25 1.25 1.25 1.25 1.25 1.22 1.22 1.22	2.23 2.24 2 weigh 800MF 3 2.27 2.26 2.25 2.26 a 1 ar 800MF 3 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.29 2.29 2.29 2.29 2.29 2.29 2.29 2.2	3.24 3.24 3.24 3.24 3.24 3.24 3.25 3.26 3.25 3.25 csec Ga 4 3.34 3.32 3.27 ting 4 3.25 3.25 3.24 3.25 3.24 3.24 3.24 4 4 3.26 3.26	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta 5 786.93 787.46 786.41 786.28	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87 0.87 0.50 0.51 0.56 0.53 1 0.51 0.58 0.56 0.52 0.50	1.16 1.16 1.16 1.16 1.16 1.28 1.25 1.25 1.26 1.26 1.31 1.32 1.33 1.33 1.33 1.33 1.33 1.33	1100MF 3 2.26 2.25 2	3.25 3.26 3.26 3.26 3.25 3.25 3.27 4 3.34 3.34 3.34 3.34 3.34 3.34 3.34 3	750.8 761.0 5 757.1 760.6 761.3 761.2 761.2 761.2 762.6 762.6 762.6 762.6 762.6
SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A54B90	1 1.02 1.13 1.07 1.00 0.96 1 1 0.65 0.87 0.85 0.79 0.74 1 0.94 0.87 0.76 0.70	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 1.25 1.26 1.1.11 1.12 1.12 1.12 1.13 1.14 1.15 1.14	650MH 3 2.26 2.25 2.26 2.26 2.26 2.34 2.34 2.34 2.33 2.35 2.35 2.32 2.24 2.23 2.24 2.23 2.24 2.23 2.24 2.23	3.25 3.24 4 3.35 3.26 3.26 3.26 3.26 3.25 C=-30, Iz 4 3.35 3.33 3.33 3.34 3.32 4 3.25 3.25 3.25 4 3.25 3.26 4 3.26 3.33 3.33 3.33 3.32 3.26 3.2	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 robust-2 6 799.83 793.72 796.94 796.68 796.20 (g) DF 743.31 735.05 738.92 741.45 737.83 (h) DE	0.63 0.60 C=-30, 1 1 0.97 1.00 0.97 0.92 0.90 weight 0.60 0.77 0.70 0.65 0.67 0.71 0.63 0.60 C=-50,	1.14 1.15 robust-: 2 1.29 1.25 1.25 1.25 1.25 1.25 1.28 1.31 natural	2.23 2.24 2 weigh 800MH 3 2.26 2.26 2.25 2.26 1 a 1 ar 800MH 3 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.25 2.36 2.25 2.26 2.26	3.24 3.24 3.24 3.24 3.24 3.24 3.24 3.25 3.26 3.26 3.25 3.25 4 3.34 3.33 3.32 3.27 ting Hz 4 3.25 3.25 3.25 3.24 atting	789.92 789.70 5 789.76 791.60 789.92 789.70 aussian ta 5 789.57 786.93 787.46 786.41 786.28 5 788.86 786.91	0.52 0.50 1 1 0.93 0.90 0.87 0.87 0.87 0.87 0.58 0.68 0.56 0.53 1 0.51 0.58 0.56 0.52 0.50	1.16 1.16 1.16 1.16 1.16 1.28 1.25 1.26 1.26 1.26 1.33 1.31 1.32 1.33 1.33 1.31 1.32 1.16 1.16 1.16 1.16	1100MF 3 2.26 2.25 2.25 2.25 2.25 2.25 2.25 1100MF 3 2.24 2.23 2.23 2.24 2.23 2.23 2.24 2.23 2.23	3.25 3.26 3.26 3.26 3.25 3.26 3.27 4 3.36 3.34 3.34 3.34 3.34 3.34 3.25 3.25 3.26	750.8 761.0 5 757.1 760.6 761.5 761.6 761.2 761.2 762.5 762.6 762.5 762.6 762.6 762.6
SKA1W9-12A72B120 SKA1W9-12A80B133 Fesbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A80B133	1 1.02 1.13 1.07 1.00 0.96 1 0.65 0.87 0.85 0.79 0.74 1 0.71 0.94 0.87 0.76 0.70	1.15 1.14 2 1.31 1.29 1.26 1.25 1.25 1.25 2 1.34 1.27 1.24 1.22 1.26 2 1.11 1.19 1.16 1.15 1.14	650MH 3 2.26 2.26 2.26 2.34 2.34 2.34 2.34 2.33 2.35 2.33 650MH 3 2.24 2.23 2.24 2.23 2.24 2.23 2.24 2.23 2.24 2.23	3.25 3.24 4 3.26 3.26 3.26 3.25 C=-30, Iz 4 3.35 3.33 3.33 3.34 3.32 4 3.26 3.25 3.26 3.25 3.26 3.25 3.26 3.35 3.33 3.33 3.33 3.34 3.32 3.26 3.27 3.2	732.45 729.42 (e) DE 5 737.52 729.39 729.56 732.45 729.42 robust-2 5 799.83 793.72 796.94 796.68 796.20 (g) DE 5 743.31 735.05 738.92 741.45 737.83 (h) DE	1	1.14 1.15 robust-2 1.29 1.25 1.25 1.25 1.25 1.33 1.22 1.28 1.31 natural 2 1.19 1.15 1.15 1.15 1.15 1.15 1.15 1.15	2.23 2.24 2 weigh 800MF 3 2.26 2.26 2.25 2.26 3 1 ar 800MF 3 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.25 2.25 2.26 2.25 2.26 2.25 2.26 2.25 2.26 2.25 2.26 2.25 2.26 2.25 2.26 2.25 2.26 2.25 2.26 2.25 2.26 2.25 2.26 2.25 2.26 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.35 2.36 2.25 2.25 2.25 2.26 2.25 2.26 2.25 2.26 2.25 2.26 2.25 2.26 2.25 2.26 2.26	3.24 3.24 3.24 3.24 3.24 3.24 3.24 3.25 3.26 3.26 3.25 3.25 ccc Ga 4 3.34 3.34 3.32 3.27 ting 4 4 3.25 3.25 3.25 3.24 4 4 4 3.25 3.25 3.24 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	789.92 789.70 5 789.76 791.60 789.93 789.92 789.70 aussian ta 5 789.57 786.93 787.46 786.41 786.28	0.52 0.50 1 0.93 0.90 0.89 0.87 0.87 0.58 0.68 0.56 0.53 1 0.51 0.58 0.56 0.50	1.16 1.16 1.16 1.16 1.16 1.25 1.25 1.26 1.26 1.26 1.33 1.31 1.32 1.33 1.33 1.31 1.31 1.32 1.32	1100MF 3 2.26 2.25 2.25 2.25 2.25 2.25 2.25 1100MF 3 2.34 2.34 2.34 2.32 2.29 1100MF 3 2.24 2.23 2.24 2.23 2.24 2.23 2.24 2.25 2.25	12 4 3.26 3.26 3.27 4 3.34 3.34 3.34 3.34 3.34 3.35 3.25 3.25 3.25 3.25 3.25 3.25 3.25	750.: 761.: 5 757. 760.: 761.: 750.: 761.: 750.: 761.: 750.: 761.: 761.: 761.: 762.: 760.: 760.: 760.: 760.: 760.: 760.: 760.: 760.: 760.: 760.: 760.:

(1) DEC=-50, 105ust-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.

1															
			650MHz					800MH					1100MH		
resbin SKA1REF2	1	2	3	0.07	5	1	2	3	4	5	1	2	0.07	0.03	5
SKA1KEF2 SKA1W9-12A54B90	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
SKA1W9-12A60B100	0.05	0.05	0.03	0.04	0.01	0.05	0.07	0.00	0.07	0.02	0.06	0.03	0.08	0.01	0.02
SKA1W9-12A72B120	0.05	0.03	0.05	0.06	0.00	0.06	0.06	0.01	0.06	0.03	0.05	0.00	0.06	0.01	0.01
SKA1W9-12A80B133	0.06	0.00	0.04	0.04	0.01	0.05	0.06	0.01	0.06	0.02	0.06	0.01	0.07	0.02	0.03
					(a) DE(С=-10, 1	atural	weight	ino						
					(a) DEC	J—-10, 1	iaturai	weight	mg						
I			650MHz	,				800MH	7				1100MH	7	
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
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 SKA1W9-12A60B100	0.07 0.07	0.04	0.01	0.00	0.00	0.07	0.02	0.01	0.00	0.02	0.07	0.00	0.00	0.00	0.02
SKA1W9-12A72B120	0.06	0.04	0.00	0.00	0.01	0.07	0.00	0.01	0.00	0.03	0.04	0.00	0.00	0.00	0.02
SKA1W9-12A80B133	0.06	0.01	0.00	0.00	0.00	0.06	0.00	0.01	0.01	0.02	0.04	0.00	0.01	0.00	0.03
				,	'L) DEC	7_ 10	alarrat O		·						
				(n) DEC	C=-10, r	obust-2	weight	ıng						
1			0803.533										11003111		
resbin	1	2	650MHz	4	5	II 1	2	800MH	z 4	5	П 1	2	1100MH	z 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	0.00	0.04	0.01	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.02
SKA1W9-12A60B100	0.05	0.03	0.01	0.00	0.01	0.04	0.01	0.01	0.00	0.03	0.02	0.00	0.00	0.00	0.02
SKA1W9-12A72B120 SKA1W9-12A80B133	0.04	0.01	0.00	0.00	0.01	0.03	0.00	0.01	0.00	0.03	0.01	0.01	0.00	0.00	0.01
JR111 W 3-12/100/D100	0.03											0.00	0.00	0.00	0.03
		(c)	DEC=	=-10, re	bust-2	weightin	g with	a 1 arc	sec Ga	ussian t	aper				
I		` ′				-					_				
			650MHz					800MH					1100MH		
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
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
SKA1W9-12A60B100	0.19	0.06	0.06	0.08	0.03	0.17	0.00	0.07	0.07	0.03	0.12	0.05	0.07	0.04	0.04
SKA1W9-12A72B120	0.16	0.01	0.05	0.06	0.02	0.13	0.00	0.07	0.06	0.03	0.11	0.06	0.05	0.04	0.04
SKA1W9-12A80B133	0.14	0.02	0.06	0.08	0.03	0.12	0.03	0.07	0.01	0.02	0.08	0.07	0.06	0.04	0.04
					(d) DE0	C=-30, 1	atural	weight	ing						
					(a) DL(O—-00, I	iauarai	WCISII	1116						
I			650MHz	,				800MH	7				1100MH	7	
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	0.10	0.02	0.00	0.01	0.01	0.08	0.01	0.01	0.00	0.04
SKA1W9-12A60B100	0.10	0.03	0.01	0.01	0.04	0.10	0.02	0.00	0.00	0.03	0.07	0.01	0.01	0.01	0.04
SKA1W0-12A72B120			0.01	0.00	0.03					0.03				0.00	0.04
SKA1W9-12A72B120 SKA1W9-12A80B133	0.10	0.01	0.01 0.01	0.00	0.03 0.04	0.10	0.01	0.01	0.01	0.03	0.06	0.00	0.01	0.00	0.04
	0.10	0.01		0.00	0.04	0.10	0.01	0.01	0.01		0.06	0.00	0.01		
	0.10	0.01		0.00	0.04	0.10	0.01	0.01	0.01		0.06	0.00	0.01		
	0.10	0.01	0.01	0.00	0.04	0.10	0.01	0.01 0.00 weight	0.01 0.00 sing		0.06	0.00	0.01	0.00	
SKA1W9-12A80B133	0.10	0.01	0.01 650MHz	0.00	0.04 (e) DEC	0.10	0.01 0.00 obust-2	0.01 0.00 weight	0.01 0.00 ing	0.02	0.06	0.00	0.01 0.01	0.00 z	0.05
SKA1W9-12A80B133	0.10	0.01 0.01	0.01 650MHz 3	0.00 z	0.04 (e) DEC	0.10 0.09 C=-30, re	0.01 0.00 obust-2	0.01 0.00 weight	0.01 0.00 sing	0.02	0.06	0.00	0.01 0.01 1100MH	0.00 z	0.05
SKA1W9-12A80B133	0.10	0.01	0.01 650MHz	0.00	0.04 (e) DEC	0.10	0.01 0.00 obust-2	0.01 0.00 weight	0.01 0.00 ing	0.02	0.06	0.00	0.01 0.01	0.00 z	0.05
resbin SKA1REF2 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100	0.10 0.11 1 0.07 0.06 0.05	0.01 0.01 2 0.04 0.02 0.02	650MHz 3 0.02 0.00 0.01	0.00 z 4 0.01 0.00 0.01	0.04 (e) DEC 5 0.05 0.02 0.04	0.10 0.09 C=-30, re	0.01 0.00 0.00 0.01 0.01	0.01 0.00 weight 800MH 3 0.00 0.00 0.00	0.01 0.00 ing z 4 0.01 0.01 0.00	5 0.03 0.01 0.03	0.06 0.06 1 1 0.03 0.02 0.02	0.00 0.01 2 0.02 0.01 0.00	0.01 0.01 1100MH 3 0.00 0.01 0.01	0.00 z 4 0.01 0.00 0.01	5 0.07 0.04 0.04
resbin SKA1W9-12A80B133 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	0.10 0.11 1 0.07 0.06 0.05 0.05	0.01 0.01 2 0.04 0.02 0.02 0.01	650MHz 3 0.02 0.00 0.01 0.01	0.00 2 4 0.01 0.00 0.01 0.00	0.04 (e) DEC 5 0.05 0.02 0.04 0.03	0.10 0.09 S=-30, re	0.01 0.00 0.00 0.01 0.01 0.01	0.01 0.00 weight 800MH: 3 0.00 0.00 0.00 0.00	0.01 0.00 ing z 4 0.01 0.01 0.00 0.01	5 0.03 0.01 0.03 0.03	0.06 0.06 1 0.03 0.02 0.02 0.01	2 0.02 0.01 0.00 0.00	0.01 0.01 1100MH 3 0.00 0.01 0.01	0.00 z 4 0.01 0.00 0.01 0.00	5 0.07 0.04 0.04 0.04
resbin SKA1REF2 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100	0.10 0.11 1 0.07 0.06 0.05	2 0.04 0.02 0.02 0.01 0.01	650MHz 3 0.02 0.00 0.01 0.01 0.01	0.00 4 0.01 0.00 0.01 0.00 0.00	0.04 (e) DEC 5 0.05 0.02 0.04 0.03 0.04	0.10 0.09 C=-30, re	0.01 0.00 obust-2 2 0.03 0.01 0.01 0.00	0.01 0.00 weight 800MH: 3 0.00 0.00 0.00 0.00	0.01 0.00 ing z 4 0.01 0.01 0.00 0.01	5 0.03 0.01 0.03 0.03 0.02	0.06 0.06 0.06 1 0.03 0.02 0.02 0.01	0.00 0.01 2 0.02 0.01 0.00	0.01 0.01 1100MH 3 0.00 0.01 0.01	0.00 z 4 0.01 0.00 0.01	5 0.07 0.04 0.04
resbin SKA1W9-12A80B133 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	0.10 0.11 1 0.07 0.06 0.05 0.05	2 0.04 0.02 0.02 0.01 0.01	650MHz 3 0.02 0.00 0.01 0.01 0.01	0.00 4 0.01 0.00 0.01 0.00 0.00	0.04 (e) DEC 5 0.05 0.02 0.04 0.03 0.04	0.10 0.09 C=-30, re	0.01 0.00 obust-2 2 0.03 0.01 0.01 0.00	0.01 0.00 weight 800MH: 3 0.00 0.00 0.00 0.00	0.01 0.00 ing z 4 0.01 0.01 0.00 0.01	5 0.03 0.01 0.03 0.03	0.06 0.06 0.06 1 0.03 0.02 0.02 0.01	2 0.02 0.01 0.00 0.00	0.01 0.01 1100MH 3 0.00 0.01 0.01	0.00 z 4 0.01 0.00 0.01 0.00	5 0.07 0.04 0.04 0.04
resbin SKA1W9-12A80B133 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	0.10 0.11 1 0.07 0.06 0.05 0.05	2 0.04 0.02 0.02 0.01 0.01	650MHz 3 0.02 0.00 0.01 0.01 0.01	0.00 4 0.01 0.00 0.01 0.00 0.00	0.04 (e) DEC 5 0.05 0.02 0.04 0.03 0.04	0.10 0.09 C=-30, re	0.01 0.00 obust-2 2 0.03 0.01 0.01 0.00	0.01 0.00 weight 800MH: 3 0.00 0.00 0.00 0.00	0.01 0.00 ing z 4 0.01 0.01 0.00 0.01	5 0.03 0.01 0.03 0.03 0.02	0.06 0.06 0.06 1 0.03 0.02 0.02 0.01	2 0.02 0.01 0.00 0.00	0.01 0.01 1100MH 3 0.00 0.01 0.01	0.00 z 4 0.01 0.00 0.01 0.00	5 0.07 0.04 0.04
resbin SKA1W9-12A80B133 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05	0.01 0.01 2 0.04 0.02 0.02 0.01 0.01	0.01 650MHz 3 0.02 0.00 0.01 0.01 0.01 DEC=	0.00 2 4 0.01 0.00 0.01 0.00 0.00 -30, rc	0.04 (e) DEC 5 0.05 0.02 0.04 0.03 0.04 0bust-2	0.10 0.09 C=-30, re 0.05 0.04 0.04 0.03 0.03	0.01 0.00 bbust-2 2 0.03 0.01 0.01 0.00 g with	0.01 0.00 weight 800MH: 3 0.00 0.00 0.00 0.01 0.00 a 1 arc	0.01 0.00 ing z 4 0.01 0.00 0.01 0.00 esec Ga	5 0.03 0.01 0.03 0.03 0.02 cussian t	0.06 0.06 0.06 1 0.03 0.02 0.02 0.01 0.01	0.00 0.01 2 0.02 0.01 0.00 0.00 0.00	0.01 0.01 1100MH 3 0.00 0.01 0.01 0.01	0.00 z 4 0.01 0.00 0.01 0.00 0.00	5 0.07 0.04 0.04 0.04 0.05
resbin 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 0.01 0.01	650MHz 3 0.02 0.00 0.01 0.01 DEC= 650MHz 3	0.00 4 0.01 0.00 0.01 0.00 0.00 -30, rc	0.04 (e) DEC 5 0.05 0.02 0.04 0.03 0.04 0bust-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 0.00 weight 800MH: 3 0.00 0.00 0.00 0.01 0.00 a 1 arc	0.01 0.00 ing z 4 0.01 0.01 0.00 0.01 0.00	5 0.03 0.01 0.03 0.03 0.02 cussian t	0.06 0.06 0.06 0.03 0.02 0.02 0.01 0.01 aper	2 0.02 0.01 0.01 0.00 0.00 0.00	0.01 0.01 1100MH 3 0.00 0.01 0.01 0.01 0.01	z 4 0.01 0.00 0.01 0.00 0.00	5 0.07 0.04 0.04 0.04 0.05
resbin SKA1W9-12A80B133 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05	0.01 0.01 2 0.04 0.02 0.02 0.01 0.01	0.01 650MHz 3 0.02 0.00 0.01 0.01 0.01 DEC=	0.00 2 4 0.01 0.00 0.01 0.00 0.00 -30, rc	0.04 (e) DEC 5 0.05 0.02 0.04 0.03 0.04 0bust-2	0.10 0.09 C=-30, re 0.05 0.04 0.04 0.03 0.03	0.01 0.00 bbust-2 2 0.03 0.01 0.01 0.00 g with	0.01 0.00 weight 800MH: 3 0.00 0.00 0.00 0.01 0.00 a 1 arc	0.01 0.00 ing z 4 0.01 0.00 0.01 0.00 esec Ga	5 0.03 0.01 0.03 0.03 0.02 cussian t	0.06 0.06 0.06 1 0.03 0.02 0.02 0.01 0.01	0.00 0.01 2 0.02 0.01 0.00 0.00 0.00	0.01 0.01 1100MH 3 0.00 0.01 0.01 0.01	0.00 z 4 0.01 0.00 0.01 0.00 0.00	5 0.07 0.04 0.04 0.04 0.05
resbin SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05	0.01 0.01 2 0.04 0.02 0.01 0.01 (f)	0.01 650MHz 3 0.02 0.00 0.01 0.01 0.01 DEC= 650MHz 3	0.00 2 4 0.01 0.00 0.01 0.00 0.00 -30, rc	0.04 (e) DEC 5 0.05 0.02 0.04 0.03 0.04 0.0st-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 0.00 weight 800MH: 3 0.00 0.00 0.00 0.01 0.00 a 1 arc	0.01 0.00 ing z 4 0.01 0.00 0.01 0.00 esec Ga	5 0.03 0.01 0.03 0.03 0.02 cussian t	0.06 0.06 0.06 1 0.03 0.02 0.01 0.01 aper	0.00 0.01 2 0.02 0.01 0.00 0.00 0.01	1100MH 3 0.00 0.01 0.01 0.01 0.01 1100MH 3 0.06	z 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.07 0.04 0.04 0.05 5 0.08
resbin SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05	2 0.04 0.02 0.02 0.01 0.01 (f)	650MHz 3 0.02 0.00 0.01 0.01 0.01 DEC= 650MHz 3 0.06 0.04 0.05	0.00 2 4 0.01 0.00 0.01 0.00 0.00 -30, ro	5 0.05 0.02 0.04 0.03 0.04 0.03 0.04 0.05 0.02 0.01 0.01	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 0.00 weight 800MH: 3 0.00 0.00 0.01 0.00 a 1 arc	0.01 0.00 ing z 4 0.01 0.00 0.01 0.00 esec Ga z 4 0.08 0.07	5 0.03 0.01 0.03 0.02 cussian t	0.06 0.06 0.06 0.00 0.02 0.02 0.01 0.01 aper	0.00 0.01 2 0.02 0.01 0.00 0.00 0.01	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.07	z 4 0.01 0.00 0.00 0.00 0.00 2 4 0.03 0.02 0.02 0.02 0.02	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.06 0.03
resbin SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.05 0.05 0.05 0.05	0.01 0.01 2 0.04 0.02 0.01 0.01 (f)	0.01 650MHz 3 0.02 0.00 0.01 0.01 0.01 DEC= 650MHz 3 0.06 0.06	2 4 0.01 0.00 0.01 0.00 0.00 =-30, rc	5 0.04 5 0.05 0.02 0.04 0.03 0.04 0.03 0.04 0.03 0.04 0.03 0.04 0.03 0.04	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 0.00 weight 800MH: 3 0.00 0.00 0.00 0.01 0.00 a 1 arc 800MH: 3 0.07	0.01 0.00 ing z 4 0.01 0.00 0.01 0.00 esec Ga z 4 0.08	5 0.03 0.01 0.03 0.03 0.02 uussian t	0.06 0.06 0.06 0.03 0.02 0.02 0.01 0.01 aper	0.00 0.01 2 0.02 0.01 0.00 0.00 0.01	0.01 0.01 1100MH 3 0.00 0.01 0.01 0.01 0.01	Z 4 0.01 0.00 0.01 0.00 0.00 z z 4 0.03 0.02 0.02	5 0.07 0.04 0.04 0.04 0.05 5 0.08 0.08
resbin SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05	2 0.04 0.02 0.02 0.01 0.01 (f)	650MHz 3 0.02 0.00 0.01 0.01 0.01 DEC= 650MHz 3 0.06 0.04 0.05	0.00 4 0.01 0.00 0.01 0.00 0.00 -30, rc 4 0.02 0.04 0.03 0.04	5 0.05 0.02 0.04 0.03 0.04 0.03 0.04 0.03 0.04 0.01	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 0.00 weight 800MH 3 0.00 0.00 0.01 0.00 a 1 arc 800MH 3 0.07 0.05 0.05	0.01 0.00 ing z 4 0.01 0.00 0.01 0.00 esec Ga z 4 0.08 0.07 0.08	5 0.03 0.01 0.03 0.02 cussian t	0.06 0.06 0.06 0.00 0.02 0.02 0.01 0.01 aper	0.00 0.01 2 0.02 0.01 0.00 0.00 0.01	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.07	z 4 0.01 0.00 0.00 0.00 0.00 2 4 0.03 0.02 0.02 0.02 0.02	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.06
resbin SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05	2 0.04 0.02 0.02 0.01 0.01 (f)	650MHz 3 0.02 0.00 0.01 0.01 0.01 DEC= 650MHz 3 0.06 0.04 0.05	0.00 4 0.01 0.00 0.01 0.00 0.00 -30, rc 4 0.02 0.04 0.03 0.04	5 0.05 0.02 0.04 0.03 0.04 0.03 0.04 0.03 0.04 0.01	0.10 0.09 2=-30, re 1 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 0.00 weight 800MH 3 0.00 0.00 0.01 0.00 a 1 arc 800MH 3 0.07 0.05 0.05	0.01 0.00 ing z 4 0.01 0.00 0.01 0.00 esec Ga z 4 0.08 0.07 0.08	5 0.03 0.01 0.03 0.02 cussian t	0.06 0.06 0.06 0.00 0.02 0.02 0.01 0.01 aper	0.00 0.01 2 0.02 0.01 0.00 0.00 0.01	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.07	z 4 0.01 0.00 0.00 0.00 0.00 2 4 0.03 0.02 0.02 0.02 0.02	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.06
resbin SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05	2 0.04 0.02 0.02 0.01 0.01 (f)	650MHz 3 0.02 0.00 0.01 0.01 0.01 DEC= 650MHz 3 0.06 0.04 0.05	0.00 2 4 0.01 0.00 0.01 0.00 0.00 -30, rc 2 4 0.02 0.04 0.04 0.03 0.04	5 0.05 0.02 0.04 0.03 0.04 0.03 0.04 0.03 0.04 0.01	0.10 0.09 2=-30, re 1 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 0.00 weight 800MH 3 0.00 0.00 0.01 0.00 a 1 arc 800MH 3 0.07 0.05 0.05	0.01 0.00 ing z 4 0.01 0.00 0.01 0.00 0.00 0.01 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 0.03 0.01 0.03 0.02 cussian t	0.06 0.06 0.06 0.00 0.02 0.02 0.01 0.01 aper	0.00 0.01 2 0.02 0.01 0.00 0.00 0.01	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.07	Z 4 0.00 Z 4 0.01 0.00 0.01 0.00 0.00 0.00 0.00 0.00	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.06
resbin SKA1W9-12A80B133 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100	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 650MHz 3 0.02 0.00 0.01 0.01 DEC= 650MHz 3 0.06 0.06 0.06 0.05 0.05 0.05	0.00 2 4 0.01 0.00 0.01 0.00 0.00 =-30, rc 4 0.02 0.04 0.03 0.04	5 0.05 0.02 0.04 0.03 0.04 0.03 0.04 0.01 0.01 0.01 0.01 0.01	0.10 0.09 C=-30, relation of the control of the c	0.01 0.00 bbust-22 0.03 0.01 0.01 0.00 g with 2 0.07 0.04 0.02 0.00 0.03 natural	0.01 0.00 weight 800MH 3 0.00 0.00 0.01 0.00 a 1 arc 800MH 3 0.07 0.05 0.05 0.06 weight:	0.01 0.00 iing z 4 0.01 0.00 0.01 0.00 sec Ga z 4 0.08 0.07 0.08 0.07 0.08	5 0.03 0.01 0.03 0.02 0.03 0.02 0.03 0.04 0.06 0.06	0.06 0.06 0.06 0.00 0.02 0.02 0.01 0.01 aper	2 0.02 0.01 0.00 0.00 0.01 0.05 0.03 0.02 0.04 0.03	1100MH 3 0.00 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.07 0.06 1100MH	2 4 0.01 0.00 0.01 0.00 0.00 0.00 0.00 0.	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.06 0.03
resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B103	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.16 0.14 0.12	2 0.04 0.02 0.02 0.01 (f) 2 0.04 0.01 (f) 2 0.04 0.04 0.04	0.01 650MHz 3 0.02 0.00 0.01 0.01 DEC= 650MHz 3 0.06 0.05 0.04 0.05	0.00 2 4 0.01 0.00 0.00 0.00 0.00 2 4 0.02 4 0.02 0.04 0.04 0.03 0.04	5 0.05 0.02 5 0.05 0.02 5 0.04 0.03 0.04 0.03 0.04 0.03 0.01 0.01 0.01 0.01 0.01 5 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 0.10 0.10 0.10	0.01 0.00 0.00 0.00 0.01 0.01 0.01 0.00 g with 2 0.07 0.04 0.02 0.00 0.03 0.01 0	0.01 0.00 weight 800MH 3 0.00 0.00 0.00 1 0.00 a 1 arc 800MH 3 0.07 0.05 0.06 weight	0.01 0.00 ing z 4 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0	5 0.03 0.01 0.03 0.03 0.02 cussian t	0.06 0.06 0.06 0.09 0.01 0.01 aper 1 0.06 0.10 0.10 0.09 0.07	0.00 0.01 2 0.02 0.01 0.00 0.01 2 0.05 0.03 0.02 0.04 0.04	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.06 0.05	Z 4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.06 0.03 0.07
resbin SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 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 0.01 (f) 2 0.04 0.08 0.04 0.08 0.04 0.01	0.01 650MHz 3 0.02 0.00 0.01 0.01 0.01 DEC= 650MHz 3 0.06 0.04 0.05 0.04 0.05	0.00 4 0.01 0.00 0.01 0.00 0.00 0.00 0.	5 0.05 0.02 0.01 0.01 0.01 0.01 0.01 0.01 0.01	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 0.1	0.01 0.00 0bust-2 2 0.03 0.01 0.01 0.00 g with 2 0.07 0.04 0.02 0.00 0.03 0.01 0.03	0.01 0.00 weight 800MH 3 0.00 0.00 0.01 0.00 a 1 arc 800MH 3 0.07 0.05 0.05 0.06 weight:	2 4 0.01 0.00 csec Ga 0.07 0.03 ing	5 0.03 0.01 0.03 0.03 0.02 bussian t	0.06 0.06 0.06 0.02 0.02 0.01 0.01 0.06 0.10 0.10 0.09 0.07	0.00 0.01 2 0.02 0.01 0.00 0.00 0.01 2 0.05 0.03 0.02 0.04 0.04	1100MH 3 0.00 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.06 0.05	Z 4 0.01 0.00 0.01 0.00 0.00 0.00 4 0.03 0.02 0.02 0.02 0.03 z 4 0.00 0.01	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.03 0.07
resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.16 0.14 0.12	2 0.04 0.02 0.02 0.01 (f) 2 0.04 0.01 (f) 2 0.04 0.04 0.04	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.05 650MHz 3 0.06 0.05 0.04 0.05 0.04 0.05 0.04 0.05	0.00 2 4 0.01 0.00 0.00 0.00 0.00 2 4 0.02 4 0.02 0.04 0.04 0.03 0.04	5 0.05 0.02 0.01 0.02 0.00 0.01 0.02 0.00 0.01	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 0.00 0.00 0.00 0.01 0.01 0.00 0.01 0.00	0.01 0.00 weight 800MH 3 0.00 0.00 0.00 1 0.00 a 1 arc 800MH 3 0.07 0.05 0.07 0.05 0.06 weight:	0.01 0.00 ing z 4 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0	5 0.03 0.01 0.03 0.03 0.02 ussian t	0.06 0.06 0.06 0.09 0.01 0.01 aper 1 0.06 0.10 0.10 0.09 0.07	0.00 0.01 2 0.02 0.01 0.00 0.01 2 0.05 0.03 0.02 0.04 0.04	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.06 0.05	Z 4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.06 0.03 0.07
resbin SKA1W9-12A80B133 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1W9-12A80B133 resbin SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100	1 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 0.01 (f) 2 0.04 0.08 0.04 0.01 0.01 0.01 0.04	650MHz 3 0.02 0.00 0.01 0.01 DEC= 650MHz 3 0.06 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05	0.00 4 0.01 0.00 0.01 0.00 0.00 =-30, rc 4 0.02 0.04 0.04 0.03 0.04 0.04 0.00 0.01 0.00	5 0.04 5 0.05 0.02 0.04 0.01 0.01 5 0.02 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.10 0.09 C=-30, re 1 0.05 0.04 0.04 0.03 0.03 weightin 1 0.10 0.13 0.12 0.10 0.10 0.10 C=-50, 1	0.01 0.00 0bust-22 0.03 0.01 0.01 0.00 g with 2 0.07 0.04 0.02 0.00 0.03 natural	0.01 0.00 weight 800MH: 3 0.00 0.00 0.00 0.01 0.00 a 1 arc 800MH: 3 0.07 0.05 0.06 weight: 800MH: 3 0.00 0.00 0.00	0.01 0.00 ing z 4 0.01 0.00 0.01 0.00 esec Ga z 4 0.08 0.07 0.08 0.07 0.09 0.09 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0 0.00 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 0.03 0.01 0.03 0.02 0.03 0.02 0.03 0.04 0.06 0.06 0.05	0.06 0.06 0.06 0.00 0.02 0.02 0.01 0.01 aper 1 0.06 0.10 0.10 0.09 0.07	2 0.02 0.01 0.00 0.01 0.00 0.01 2 0.05 0.03 0.02 0.04 0.04	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 0.06 0.07 0.07 0.07 0.07 0.05	Z 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.07 0.04 0.04 0.04 0.05 5 0.08 0.06 0.06 0.07 5 0.08 0.07
resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.11 0.16 0.16 0.14 0.12	2 0.04 0.02 0.02 0.01 (f) 2 0.04 0.08 0.04 0.01 0.01 0.01	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.05 650MHz 3 0.06 0.05 0.04 0.05 0.04 0.05 0.04 0.05	0.00 2 4 0.01 0.00 0.00 0.00 -30, ro 2 4 0.02 0.04 0.04 0.03 0.04 0.00 0.01 0.00 0.01 0.00	5 0.05 0.02 0.01 0.02 0.00 0.02 0.00	0.10 0.09 Z=-30, re 1 0.05 0.04 0.03 0.03 0.03 weightin 1 0.10 0.12 0.10 0.1	0.01 0.00 0.00 0.00 0.00 0.01 0.01 0.00 0.01 0.00 0.00 0.03 0.01 0.00 0.03 0.01	0.01 0.00 weight 800MH 3 0.00 0.00 0.01 0.00 a 1 arc 800MH 3 0.07 0.05 0.06 weight: 800MH 3 0.00	0.01 0.00 ing z 4 0.01 0.00 0.01 0.00 0.01 0.00 0.00 0.	5 0.03 0.01 0.03 0.03 0.02 ussian t	0.06 0.06 0.06 0.08 0.02 0.02 0.01 0.01 0.01 0.06 0.10 0.09 0.07	0.00 0.01 2 0.02 0.01 0.00 0.01 2 0.05 0.03 0.02 0.04 0.04 0.04	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.06 0.05	z 4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.03 0.07
resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.11 0.16 0.16 0.14 0.12	2 0.04 0.02 0.02 0.01 (f) 2 0.04 0.08 0.04 0.01 0.01 0.01	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.05 650MHz 3 0.06 0.05 0.04 0.05 0.04 0.05 0.04 0.05	0.00 2 4 0.01 0.00 0.00 0.00 -30, ro 2 4 0.02 0.04 0.04 0.03 0.04 0.00 0.01 0.00 0.01 0.00	5 0.05 0.02 0.01 0.02 0.00 0.02 0.00	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 0.00 0.00 0.00 0.01 0.01 0.00 0.01 0.00 0.00 0.03 0.01 0.00 0.03 0.01	0.01 0.00 weight 800MH 3 0.00 0.00 0.01 0.00 a 1 arc 800MH 3 0.07 0.05 0.06 weight: 800MH 3 0.00	0.01 0.00 ing z 4 0.01 0.00 0.01 0.00 0.01 0.00 0.00 0.	5 0.03 0.01 0.03 0.03 0.02 ussian t	0.06 0.06 0.06 0.08 0.02 0.02 0.01 0.01 0.01 0.06 0.10 0.09 0.07	0.00 0.01 2 0.02 0.01 0.00 0.01 2 0.05 0.03 0.02 0.04 0.04 0.04	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.06 0.05	z 4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.03 0.07
resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.11 0.16 0.16 0.14 0.12	2 0.04 0.02 0.02 0.01 (f) 2 0.04 0.08 0.04 0.01 0.01 0.01	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.01 0.06 0.06 0.04 0.05 0.04 0.05 650MHz 3 0.01 0.01 0.01 0.00 0.00	4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.05 0.02 0.01 0.02 0.00 0.02 0.00	0.10 0.09 Z=-30, re 1 0.05 0.04 0.03 0.03 0.03 weightin 1 0.10 0.12 0.10 0.1	0.01 0.00 0.00 0.00 0.00 0.01 0.01 0.00 0.01 0.00 0.00 0.03 0.01 0.00 0.03 0.01	0.01 0.00 weight 800MH 3 0.00 0.00 0.01 0.00 a 1 arc 800MH 3 0.07 0.05 0.05 0.06 weight 800MH 3 0.07 0.05 0.06 weight	z 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.03 0.01 0.03 0.03 0.02 ussian t	0.06 0.06 0.06 0.08 0.02 0.02 0.01 0.01 0.01 0.06 0.10 0.09 0.07	0.00 0.01 2 0.02 0.01 0.00 0.01 2 0.05 0.03 0.02 0.04 0.04 0.04	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 3 0.06 0.07 0.06 0.05	Z 4 0.01 0.00 0.01 0.00 0.00	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.03 0.07
resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.11 0.16 0.16 0.14 0.12	2 0.04 0.02 0.02 0.01 (f) 2 0.04 0.08 0.04 0.01 0.01 0.01	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.05 650MHz 3 0.06 0.05 0.04 0.05 0.04 0.05 0.04 0.05	4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.05 0.02 0.01 0.02 0.00 0.02 0.00	0.10 0.09 Z=-30, re 1 0.05 0.04 0.03 0.03 0.03 weightin 1 0.10 0.12 0.10 0.1	0.01 0.00 0.00 0.00 0.00 0.01 0.01 0.00 0.01 0.00 0.00 0.03 0.01 0.00 0.03 0.01	0.01 0.00 weight 800MH 3 0.00 0.00 0.01 0.00 a 1 arc 800MH 3 0.07 0.05 0.06 weight: 800MH 3 0.00	z 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.03 0.01 0.03 0.03 0.02 ussian t	0.06 0.06 0.06 0.08 0.02 0.02 0.01 0.01 0.01 0.06 0.10 0.09 0.07	0.00 0.01 2 0.02 0.01 0.00 0.01 2 0.05 0.03 0.02 0.04 0.04 0.04	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.06 0.05	Z 4 0.01 0.00 0.01 0.00 0.00	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.03 0.07
resbin SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A80B133 resbin SKA1W9-12A80B133 resbin SKA1W9-12A80B133 resbin SKA1W9-12A80B133	1 0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.05 0.01 0.16 0.16 0.14 0.12 1 0.08 0.08 0.08	2 0.04 0.02 0.01 (f) 2 0.04 0.02 0.01 (f) 2 0.04 0.08 0.04 0.01 0.01 0.01 0.01 0.01 0.02 0.02 0.01	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.05 0.06 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05	4 0.00 2 4 0.01 0.00 0.01 0.00 0.00 0.02 0.04 0.04 0.03 0.04 0.00 0.01 0.00 0.01 0.00 0.01 0.00	5 0.02 0.01 0.01 0.01 0.02 0.00 0.02 0.00 0.01 0.01	0.10 0.09 -30, re 1 0.05 0.04 0.03 0.03 weightin 1 0.10 0.13 0.12 0.10 0.10 0.13 0.12 0.10 0.10 -50, re	0.01 0.00 0.00 0.00 0.01 0.01 0.01 0.02 0.03 0.01 0.00 0.01 0.02 0.03 0.01 0.01 0.02 0.03 0.01 0.00	0.01 0.00 weight 800MH 3 0.00 0.00 0.01 0.00 a 1 arc 800MH 3 0.07 0.05 0.06 weight 800MH 3 0.00 0.00 0.00 weight 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 0.01 0.03 0.02 cussian t	0.06 0.06 0.06 0.06 0.08 0.02 0.02 0.01 0.01 0.00 0.00 0.00 0.00	2 0.02 0.01 0.01 0.00 0.00 0.01 2 0.05 0.02 0.03 0.02 0.04 0.04	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.06 0.05	Z 4 0.01 0.00 0.01 0.00 0.00 0.00 Z 4 0.03 0.02 0.02 0.02 0.03 Z 4 0.00 0.01 0.00 0.01 0.00	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.03 0.07 5 0.08 0.07
resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A54B90	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	2 0.04 0.02 0.02 0.01 (f) 2 0.04 0.01 0.01 0.01 0.01 0.04 0.03 0.04 0.04 0.01 0.01 0.01	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.00 0.00	0.00 2 4 0.01 0.00 0.01 0.00 0.00 0.00 0.00 0.	5 0.02 0.01 0.01 0.01 0.02 0.00 (h) DEC	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 0.05 0.07 0.06 Z=-50, re	0.01 0.00 0bust-2 0.03 0.01 0.01 0.00 g with 2 0.07 0.04 0.02 0.00 0.03 0.01 0.00	0.01 0.00 weight 800MH 3 0.00 0.00 0.00 1 0.00 a 1 arc 800MH 3 0.07 0.05 0.06 weight 800MH 800MH 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0.01 0.00 iing z 4 0.01 0.00 0.01 0.00 0.01 0.00 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	5 0.03 0.01 0.03 0.02 cussian t 5 0.03 0.04 0.06 0.05 5 0.03 0.04 0.06 0.05	0.06 0.06 0.06 0.08 0.02 0.01 0.01 0.01 0.00 0.10 0.09 0.07	2 0.02 0.01 0.00 0.00 0.01 0.00 0.01 2 0.05 0.03 0.02 0.04 0.04 0.01 0.01	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.06 0.05 1100MH 3 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.0	Z 4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	5 0.07 0.04 0.04 0.04 0.05 5 0.08 0.06 0.03 0.07 5 0.08 0.07
resbin SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100	1 0.07 0.06 0.05 0.05 0.05 0.05 0.05 1 0.11 0.16 0.16 0.14 0.12	2 0.04 0.02 0.01 0.01 (f) 2 0.04 0.02 0.01 (f) 2 0.04 0.08 0.04 0.01 0.01 0.01 2 0.03 0.01 0.02 0.01 0.02 0.01	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.01 0.06 0.06 0.04 0.05 0.04 0.05 650MHz 3 0.01 0.00 0.00 0.00 0.00	4 0.00 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00	5 0.02 0.01 0.01 0.02 0.00 0.01 0.01 5 0.02 0.00 0.01 0.01 0.01 0.01 0.02 0.00 0.01 0.01	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 C=-50, re 1 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08 0.07 0.08	0.01 0.00 bbust-2 0.03 0.01 0.01 0.00 g with 2 0.07 0.04 0.02 0.00 0.03 natural	800MH: 3 0.00 800MH: 3 0.00 0.00 0.00 a 1 arc 800MH: 3 0.07 0.05 0.06 weight: 800MH: 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	2 4 0.01 0.00 esec Ga 0.07 0.03 ing 2 4 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 0.03 0.01 0.03 0.02 bussian t	0.06 0.06 0.06 0.06 0.08 0.02 0.02 0.01 0.01 0.06 0.10 0.09 0.07 0.04 0.06 0.05 0.04 0.04 0.04	0.00 0.01 2 0.02 0.01 0.00 0.00 0.01 2 0.05 0.03 0.02 0.04 0.04 0.01 0.01 0.01 0.01 0.01 0.01	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 0.01 0.	Z 4 0.01 0.00 0.01 0.00 0.00 0.02 0.02 0.02	5 0.05 0.07 0.04 0.04 0.05 5 0.08 0.06 0.03 0.07 5 0.08 0.06 0.03 0.07
resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A54B90	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	2 0.04 0.02 0.02 0.01 (f) 2 0.04 0.01 0.01 0.01 0.01 0.04 0.03 0.04 0.04 0.01 0.01 0.01	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.00 0.00	0.00 2 4 0.01 0.00 0.01 0.00 0.00 0.00 0.00 0.	5 0.02 0.01 0.01 0.01 0.02 0.00 (h) DEC	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 0.05 0.07 0.06 Z=-50, re	0.01 0.00 0bust-2 0.03 0.01 0.01 0.00 g with 2 0.07 0.04 0.02 0.00 0.03 0.01 0.00	0.01 0.00 weight 800MH 3 0.00 0.00 0.00 1 0.00 a 1 arc 800MH 3 0.07 0.05 0.06 weight 800MH 800MH 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0.01 0.00 iing z 4 0.01 0.00 0.01 0.00 0.01 0.00 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	5 0.03 0.01 0.03 0.02 cussian t 5 0.03 0.04 0.06 0.05 5 0.03 0.04 0.06 0.05	0.06 0.06 0.06 0.08 0.02 0.01 0.01 0.01 0.00 0.10 0.09 0.07	2 0.02 0.01 0.00 0.00 0.01 0.00 0.01 2 0.05 0.03 0.02 0.04 0.04 0.01 0.01	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.06 0.05 1100MH 3 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.0	Z 4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	5 0.07 0.04 0.04 0.04 0.05 5 0.08 0.06 0.03 0.07 5 0.08 0.07
resbin SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B103 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.01 0.16 0.16 0.14 0.12 1 0.08 0.07 0.08 0.09	2 0.04 0.02 0.02 0.01 (f) 2 0.04 0.08 0.04 0.01 0.01 0.02 0.03 0.04 0.01 0.01 0.01	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.05 650MHz 3 0.06 0.06 0.06 0.06 0.07 0.00 0.00 0.00	0.00 2 4 0.01 0.00 0.01 0.00 0.00 0.01 2 4 0.02 0.04 0.04 0.03 0.04 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00	5 0.02 0.01 0.01 0.01 0.02 0.00 h) DEC	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 0.10 0.08 0.07 0.06 0.07 0.06 0.07 0.06 0.03 0.03 0.03 0.03 0.03 0.03 0.02	0.01 0.00 0bust-2 0.03 0.01 0.01 0.00 0 with 2 0.07 0.04 0.02 0.00 0.03 0.01 0.01 0.01 0.01 0.01 0.01	800MH: 3 0.00 800MH: 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0.01 0.00 iing z	5 0.03 0.01 0.03 0.02 uussian t 5 0.03 0.04 0.06 0.05 5 0.03 0.04 0.06 0.05	0.06 0.06 0.06 0.06 0.08 0.02 0.01 0.01 0.01 0.01 0.00 0.09 0.07	0.00 0.01 2 0.02 0.01 0.00 0.01 2 0.05 0.03 0.02 0.04 0.04 0.01 0.01 0.01 0.01 0.01 0.01	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.06 0.05 1100MH 3 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.00 0.01 0.00 0.01 0.00 0.0	Z 4 0.01 0.00 0.01 0.00 0.00 Z 4 0.03 0.02 0.02 0.02 0.03 Z 4 0.00 0.01 0.00 0.01 0.00	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.06 0.06 0.06 0.07 5 0.08 0.07
resbin SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B103 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100	0.10 0.11 1 0.07 0.06 0.05 0.05 0.05 0.05 0.01 0.16 0.16 0.14 0.12 1 0.08 0.07 0.08 0.09	2 0.04 0.02 0.02 0.01 (f) 2 0.04 0.08 0.04 0.01 0.01 0.02 0.03 0.04 0.01 0.01 0.01	650MHz 3 0.02 0.00 0.01 0.01 0.01 0.05 650MHz 3 0.06 0.06 0.06 0.06 0.07 0.00 0.00 0.00	0.00 2 4 0.01 0.00 0.01 0.00 0.00 0.01 2 4 0.02 0.04 0.04 0.03 0.04 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00	5 0.02 0.01 0.01 0.01 0.02 0.00 h) DEC	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 0.10 0.08 0.07 0.06 0.07 0.06 0.07 0.06 0.03 0.03 0.03 0.03 0.03 0.03 0.02	0.01 0.00 0bust-2 0.03 0.01 0.01 0.00 0 with 2 0.07 0.04 0.02 0.00 0.03 0.01 0.01 0.01 0.01 0.01 0.01	800MH: 3 0.00 800MH: 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0.01 0.00 iing z	5 0.03 0.01 0.03 0.02 uussian t	0.06 0.06 0.06 0.06 0.08 0.02 0.01 0.01 0.01 0.01 0.00 0.09 0.07	0.00 0.01 2 0.02 0.01 0.00 0.01 2 0.05 0.03 0.02 0.04 0.04 0.01 0.01 0.01 0.01 0.01 0.01	1100MH 3 0.00 0.01 0.01 0.01 0.01 0.01 1100MH 3 0.06 0.07 0.06 0.05 1100MH 3 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.00 0.01 0.00 0.01 0.00 0.0	Z 4 0.01 0.00 0.01 0.00 0.00 Z 4 0.03 0.02 0.02 0.02 0.03 Z 4 0.00 0.01 0.00 0.01 0.00	5 0.07 0.04 0.04 0.05 5 0.08 0.06 0.06 0.06 0.06 0.07 5 0.08 0.07

() ----, 3 - 3 - --- --- ----

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.

Company Comp	ı															
CAMPATER																
SEATHWY-1AX-FIRM 1988 1-90 3-10 1-90 1-																
Column C																
CANTING TATE																
Column																
(a) DEC=-10, natural weighting Common																
SKAINF 2.500 2.			2.00	0.00							20.00	2110			0.20	20100
SKAINF 2.500 2.						(a) DE	C = -10,	natura	l weight	ing						
	ı					` ′										
	l			650MHz					800MHz	:				1100MHz		
SKAIW9-12A5690	resbin	1	2			5	1	2			5	1				5
SKATW9-12A600100 100 250 410 450 450 520 330 200 130 480 330 200 310 200 310 420 450 480 580 260 260 270 480 580 280 280 280 280 480 580 280																
(b) DEC=-10, robust-2 weighting (c) DEC=-10, robust-2 weighting (b) DEC=-10, robust-2 weighting (c) DEC=-10, robust-2 weighting (c) DEC=-10, robust-2 weighting (d) DEC=-10, robust-2 weighting (e) DEC=-10, robust-2 weighting (e) DEC=-10, robust-2 weighting (e) DEC=-10, robust-2 weighting (f) DEC=-10, robust-2 weighting (g) DEC=-10, robust-2 weighting with a I arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a I arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a I arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, natural weighting (h) DEC=-30, natural weighting (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, natural weighting (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, natural weighting (h) DEC=-30, natural weighting (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, natural weighting (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a I arcsec Gaussian taper																
(c) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (c) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (c) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (c) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (d) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (e) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (e) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (f) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (h) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper																
(b) DEC=-10, robust-2 weighting Column Colu																
Company Comp	SKA1W9-12A80B133	2.60	2.70	4.70	5.30	9.80	2.60	3.20	4.70	5.50	13.00	2.40	3.90	4.70	5.80	18.00
Company Comp						(b) DEC	C=-10 1	obust-2	weight	ing						
Technic 1						(b) DEC	J—-10, 1	ODust-2	Weight	1118						
Technic 1				0803.533					0003.535					11003 111		
SKAIWS 124781 100 100	roshin	1				Б. П	1	2			E 1	1 1				5
SKAIWE12ASIB00 2.50 2.50 3.60 4.80 9.80 2.30 2.30 4.10 4.70 13.00 2.20 2.70 3.00 4.10 4.50 18.00 SKAIWE12ASIB131 2.20 2.70 4.70 5.30 9.88 2.30 2.30 4.20 4.50 13.00 2.30 3.00 4.10 4.70 5.80 5.80 SKAIWE12ASIB131 2.20 2.70 4.70 5.30 9.88 2.30 2.30 4.00 5.50 18.00 2.00 3.40 4.00 5.80 18.00 SKAIWE12ASIB131 2.20 2.70 4.70 5.30 9.88 2.30 2.30 4.00 5.50 18.00 2.00 3.40 4.00 5.80 18.00 2.00 3.40 4.00 5.80 18.00 2.00 3.40 4.00 5.80 18.00 2.00 3.40 4.00 5.80 18.00 2.00 3.40 4.00 5.80 18.00 2.00 3.40 4.00 5.80 18.00 2.00 3.40 4.00 5.80 18.00 2.00 3.70 4.50 18.00 2.00 3.70 4.50 18.00 2.00 3.70 4.50 18.00 2.00 3.70 4.50 18.00 2.00 3.70 4.50 18.00 3.80 4.00 3.70 4.50 18.00 3.80 4.00 3																
SKAIW-12A60F100																
Column C																
(c) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (c) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (c) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (d) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (e) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (e) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper (f) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-50, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-50, robust-2 weighting with a 1 arcsec Gaussian taper (h) DEC=-50, robust-2 weighting with a 1 arcsec Gaussian taper (h) DEC=-50, robust-2 weighting with a 1 arcsec Gaussian taper (h) DEC=-50, robust-2 weighting with a 1 arcsec Gaussian taper (h) DEC=-50, robust-2 weighting with a 1 arcsec Gaussian taper (h) DEC=-50, robust-2 weighting																
(c) DEC=-10, robust-2 weighting with a 1 arcsec Gaussian taper Columbia 2																
			(0	c) DEC:	=-10, 1	obust-2	weighti	ng with	a 1 arc	csec Ga	ussian ta	per				
Feeblin			`													
Feeblin	i			650MH	z				800MH	Iz				1100MH	z	
SKAIW9-12A54B90 3.50				3	4				3	4				3	4	
SKAIW9-12460B100																
SKAIW9-12A7BB103 1.80 2.50 3.70 4.50 11.00 1.80 2.70 3.80 4.80 13.00 1.70 2.80 4.00 5.30 19.00																
SKAIW9-12As0B133 1.80 2.50 3.70 4.50 11.00 1.70 2.70 3.80 5.30 14.00 1.70 2.90 4.20 5.50 19.00																
(d) DEC=-30, natural weighting Company Co																
Teablin 1	SKA1W9-12A80B133	1.80	2.50	3.70	4.50	11.00	1.70	2.70	3.80	5.30	14.00	1.70	2.90	4.20	5.50	19.00
Teablin 1						(4) DE	C = 30	noturo	l woight	ing						
Teshin						(a) DE	C—-50,	matura	i weigin	ing						
Teshin																
SKAINEF2 3.00 3.70 4.70 5.00 9.70 2.90 3.90 4.50 4.80 13.00 3.10 3.90 4.70 4.50 19.00 SKAIW9-12A60B100 2.90 2.20 4.00 4.00 11.00 2.80 2.30 4.00 4.40 14.00 2.20 2.70 3.80 4.10 2.00 SKAIW9-12A60B100 2.90 2.20 4.00 4.00 11.00 2.60 2.90 4.10 4.30 13.00 2.30 3.40 4.10 5.10 19.00 SKAIW9-12A80B133 2.50 2.60 4.40 4.80 11.00 2.60 2.90 4.10 4.30 5.10 14.00 2.30 3.60 4.30 5.00 19.00 SKAIW9-12A80B133 2.50 2.60 4.40 4.80 11.00 2.40 3.20 4.10 4.10 13.00 2.30 3.60 4.30 5.00 19.00 SKAIW9-12A80B133 2.50 2.60 4.40 4.80 11.00 2.40 3.20 4.10 4.10 13.00 2.30 3.60 4.30 5.00 19.00 SKAIW9-12A80B100 2.20 2.20 3.70 4.40 4.90 9.70 2.80 3.60 4.80 4.80 13.00 2.30 3.50 4.20 4.40 19.00 SKAIW9-12A60B100 2.20 2.20 3.70 4.40 10.00 2.10 2.20 3.80 4.30 14.00 2.00 2.60 3.70 4.10 19.00 SKAIW9-12A60B100 2.10 2.20 4.00 4.60 11.00 2.20 2.80 4.50 4.80 13.00 2.30 3.20 4.10 5.10 19.00 SKAIW9-12A60B103 2.10 2.40 4.20 4.00 11.00 2.20 2.80 4.00 4.50 13.00 2.30 3.20 4.10 5.10 19.00 SKAIW9-12A60B103 2.10 2.60 4.30 4.80 11.00 2.20 3.80 4.30 4.80 13.00 2.30 3.20 4.10 5.10 19.00 SKAIW9-12A60B103 2.10 2.40 4.20 4.00 4.00 11.00 2.20 3.00 4.20 5.10 14.00 2.30 3.20 4.10 5.10 19.00 SKAIW9-12A60B103 2.10 2.40 4.20 4.00 4.10 4.20 2.20 3.80 4.30 4.80 4.30 4	1.						1 4									-
SKAIW9-12A54B90												11				
SKAIW9-12A60B100																
SKAIW9-12A80B133 2.50 2.40 4.30 4.60 11.00 2.60 2.90 4.10 4.90 13.00 2.30 3.40 4.10 5.10 19.00																
(e) DEC=-30, robust-2 weighting Column																
Tesbin																
Tesbin						/ \ = =	~									
Teshin						(e) DE0	J=-30, i	robust-:	2 weigh	ting						
Teshin	l															
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	l			650MH	z				800MH	Ιz				1100MH	z	
SKAIW9-12A6BB0	resbin	1	2	3	4		1	2	3	4	5	1	2	3	4	5
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	SKA1REF2	2.80	3.50	4.60	4.90	9.70	2.80	3.60	4.50	4.80	13.00	2.90	3.50	4.20		19.00
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $																
(f) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (f) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-30, robust-2 weighting with a 1 arcsec Gaussian taper (g) DEC=-50, natural weighting (g) DEC=-50, robust-2 weighting (h) DEC=-50, robust-2 weighting (h) DEC=-50, robust-2 weighting (g) DEC=-50, robust-2 weighting (h) DEC=-50, robust-2 weighting (h) DEC=-50, robust-2 weighting																
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	SKA1W9-12A80B133	2.10	2.60	4.30	4.80	11.00	2.20	3.00	4.20	5.10	14.00	2.40	3.30	4.30	5.60	19.00
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			(f) DEC	=-30.	robust-2	weighti	ng with	a 1 arc	csec Ga	aussian ta	aper				
Tesbin	ı		(,	,	_	0	S				*				
Tesbin				650MH	z				800MH	ĺz.				1100MF	z	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	resbin	1	2			5	1	2			5	1	2			5
SKA1W9-12A6B100		2.80			4.80	10.00	2.60			4.80	13.00	2.50		4.00	4.70	18.00
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	SKA1W9-12A54B90			3.50	4.40	11.00	2.30	2.00	3.70	4.50	13.00	1.80	2.70	3.70	4.40	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $																
$ (g) \ DEC = -50, \ natural \ weighting $ $ (g) \ DEC = -50, \ natural \ nat$				0.00					0.00			2.00			0	-0.00
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	SKA1W9-12A80B133	1.90	2.40	3.70	4.50	11.00	1.70	2.70	3.80	5.20	13.00	1.70	2.90	4.20	5.40	19.00
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $						(g) DF	C50	naturo	weight	ing						
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$						(8) DE	O— - 50,	natura.	weight	1118						
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				0==-										44		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$						-	11 4				-					_
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			2									11				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			3.60													
SKA1W9-12A72B120 2.60 2.30 4.00 4.50 10.00 2.50 2.80 3.90 4.60 13.00 2.40 3.40 4.00 5.00 19.00 SKA1W9-12A80B133 2.40 2.60 4.20 4.70 10.00 2.40 3.10 4.10 5.00 13.00 2.20 3.50 4.10 5.50 19.00 (h) DEC=-50, robust-2 weighting	SKA1REF2	3.00			4 30			2.10								
SKA1W9-12A80B133 2.40 2.60 4.20 4.70 10.00 2.40 3.10 4.10 5.00 13.00 2.20 3.50 4.10 5.50 19.00	SKA1REF2 SKA1W9-12A54B90	3.00	2.40	3.60				2.30	3.80		13.00					10.00
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100	3.00 3.00 2.90	2.40 2.20	3.60 3.90	4.50	10.00	2.80									19.00
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	3.00 3.00 2.90 2.60	2.40 2.20 2.30	3.60 3.90 4.00	4.50 4.50	10.00 10.00	2.80 2.50	2.80	3.90	4.60	13.00	2.40	3.40	4.00	5.00	
resbin 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 SKA1REF2 2.80 3.40 4.50 4.70 9.90 2.80 3.50 4.30 4.70 13.00 2.80 3.40 4.00 4.30 18.00 SKA1W9-12A54B90 2.20 2.20 3.60 4.20 10.00 2.00 2.10 3.60 4.10 13.00 1.90 2.50 3.50 4.00 19.00 SKA1W9-12A60B100 2.10 3.80 4.40 10.00 2.00 2.30 3.80 4.20 13.00 2.00 2.80 3.60 4.20 19.00 SKA1W9-12A72B120 2.00 2.40 3.90 4.50 10.00 2.00 2.70 3.90 4.60 13.00 2.20 3.10 3.90 5.00 19.00 SKA1W9-12A72B120 2.00 2.40 3.90 4.50 10.00 2.20 3.00	SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	3.00 3.00 2.90 2.60	2.40 2.20 2.30	3.60 3.90 4.00	4.50 4.50	10.00 10.00 10.00	2.80 2.50 2.40	2.80 3.10	3.90 4.10	4.60 5.00	13.00	2.40	3.40	4.00	5.00	
resbin 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 SKA1REF2 2.80 3.40 4.50 4.70 9.90 2.80 3.50 4.30 4.70 13.00 2.80 3.40 4.00 4.30 18.00 SKA1W9-12A54B90 2.20 2.20 3.60 4.20 10.00 2.00 2.10 3.60 4.10 13.00 1.90 2.50 3.50 4.00 19.00 SKA1W9-12A60B100 2.10 3.80 4.40 10.00 2.00 2.30 3.80 4.20 13.00 2.00 2.80 3.60 4.20 19.00 SKA1W9-12A72B120 2.00 2.40 3.90 4.50 10.00 2.00 2.70 3.90 4.60 13.00 2.20 3.10 3.90 5.00 19.00 SKA1W9-12A72B120 2.00 2.40 3.90 4.50 10.00 2.20 3.00	SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	3.00 3.00 2.90 2.60	2.40 2.20 2.30	3.60 3.90 4.00	4.50 4.50	10.00 10.00 10.00	2.80 2.50 2.40	2.80 3.10	3.90 4.10	4.60 5.00	13.00	2.40	3.40	4.00	5.00	
resbin 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 SKA1REF2 2.80 3.40 4.50 4.70 9.90 2.80 3.50 4.30 4.70 13.00 2.80 3.40 4.00 4.30 18.00 SKA1W9-12A54B90 2.20 2.20 3.60 4.20 10.00 2.00 2.10 3.60 4.10 13.00 1.90 2.50 3.50 4.00 19.00 SKA1W9-12A60B100 2.10 3.80 4.40 10.00 2.00 2.30 3.80 4.20 13.00 2.00 2.80 3.60 4.20 19.00 SKA1W9-12A72B120 2.00 2.40 3.90 4.50 10.00 2.00 2.70 3.90 4.60 13.00 2.20 3.10 3.90 5.00 19.00 SKA1W9-12A72B120 2.00 2.40 3.90 4.50 10.00 2.20 3.00	SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	3.00 3.00 2.90 2.60	2.40 2.20 2.30	3.60 3.90 4.00	4.50 4.50	10.00 10.00 10.00	2.80 2.50 2.40	2.80 3.10	3.90 4.10	4.60 5.00	13.00	2.40	3.40	4.00	5.00	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	3.00 3.00 2.90 2.60	2.40 2.20 2.30	3.60 3.90 4.00 4.20	4.50 4.50 4.70	10.00 10.00 10.00	2.80 2.50 2.40	2.80 3.10	3.90 4.10 2 weigh	4.60 5.00 ting	13.00	2.40	3.40	4.00	5.00 5.50	
SKA1W9-12A60B100 2.10 2.10 3.80 4.40 10.00 2.00 2.30 3.80 4.20 13.00 2.00 2.80 3.60 4.20 19.00 SKA1W9-12A72B120 2.00 2.40 3.90 4.50 10.00 2.00 2.70 3.90 4.60 13.00 2.20 3.10 3.90 5.00 19.00 SKA1W9-12A80B133 2.10 2.60 4.10 4.70 10.00 2.20 3.00 4.00 5.00 13.00 2.40 3.20 4.10 5.50 19.00	SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133	3.00 3.00 2.90 2.60 2.40	2.40 2.20 2.30 2.60	3.60 3.90 4.00 4.20	4.50 4.50 4.70	10.00 10.00 10.00 (h) DE0	2.80 2.50 2.40 C=-50,	2.80 3.10 robust-	3.90 4.10 2 weigh	4.60 5.00 ting	13.00 13.00	2.40	3.40	4.00 4.10	5.00 5.50	19.00
SKA1W9-12A72B120 2.00 2.40 3.90 4.50 10.00 2.00 2.70 3.90 4.60 13.00 2.20 3.10 3.90 5.00 19.00 SKA1W9-12A80B133 2.10 2.60 4.10 4.70 10.00 2.20 3.00 4.00 5.00 13.00 2.40 3.20 4.10 5.50 19.00	SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133	3.00 3.00 2.90 2.60 2.40	2.40 2.20 2.30 2.60 2.60	3.60 3.90 4.00 4.20 650MH 3 4.50	4.50 4.50 4.70 z 4 4.70	10.00 10.00 10.00 (h) DE0	2.80 2.50 2.40 C=-50,	2.80 3.10 robust-	3.90 4.10 2 weigh 800MH 3 4.30	4.60 5.00 ting Iz 4 4.70	13.00 13.00 5 13.00	2.40 2.20 1 2.80	3.40 3.50 2 3.40	4.00 4.10 1100MH 3 4.00	5.00 5.50 5.50 4 4.30	19.00 5 18.00
SKA1W9-12A80B133 2.10 2.60 4.10 4.70 10.00 2.20 3.00 4.00 5.00 13.00 2.40 3.20 4.10 5.50 19.00	SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1REF2 SKA1W9-12A54B90	3.00 3.00 2.90 2.60 2.40 1 2.80 2.20	2.40 2.20 2.30 2.60 2.60	3.60 3.90 4.00 4.20 650MH 3 4.50 3.60	4.50 4.50 4.70 z 4 4.70 4.20	10.00 10.00 10.00 (h) DE0	2.80 2.50 2.40 C=-50,	2.80 3.10 robust-	3.90 4.10 2 weigh 800MH 3 4.30 3.60	4.60 5.00 ting 4 4.70 4.10	13.00 13.00 5 13.00 13.00	2.40 2.20 1 2.80 1.90	3.40 3.50 2 3.40 2.50	4.00 4.10 1100MH 3 4.00 3.50	5.00 5.50 5.50 4 4.30 4.00	5 18.00 19.00
	SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100	3.00 3.00 2.90 2.60 2.40 1 2.80 2.20 2.10	2.40 2.20 2.30 2.60 2.60 2.30 2.20 2.10	3.60 3.90 4.00 4.20 650MH 3 4.50 3.60 3.80	4.50 4.50 4.70 z 4.70 4.20 4.40	10.00 10.00 10.00 (h) DE0 5 9.90 10.00 10.00	2.80 2.50 2.40 C=-50,	2.80 3.10 robust-	3.90 4.10 2 weigh 800MH 3 4.30 3.60 3.80	4.60 5.00 ting [z 4 4.70 4.10 4.20	13.00 13.00 5 13.00 13.00 13.00	2.40 2.20 1 2.80 1.90 2.00	3.40 3.50 2 3.40 2.50 2.80	1100MH 3 4.00 3.50 3.60	5.00 5.50 5.50 4 4.30 4.00 4.20	19.00 5 18.00 19.00 19.00
(i) DEC=-50, robust-2 weighting with a 1 arcsec Gaussian taper	SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120	3.00 3.00 2.90 2.60 2.40 1 2.80 2.20 2.10 2.00	2.40 2.20 2.30 2.60 2.60 2.40	3.60 3.90 4.00 4.20 650MH 3 4.50 3.60 3.80 3.90	4.50 4.50 4.70 2 4 4.70 4.20 4.40 4.50	10.00 10.00 10.00 (h) DE0 5 9.90 10.00 10.00	2.80 2.50 2.40 C=-50, 1 2.80 2.00 2.00 2.00	2.80 3.10 robust- 2 3.50 2.10 2.30 2.70	3.90 4.10 2 weigh 800MH 3 4.30 3.60 3.80 3.90	4.60 5.00 ting 4 4.70 4.10 4.20 4.60	13.00 13.00 13.00 5 13.00 13.00 13.00	2.40 2.20 1.90 2.00 2.20	3.40 3.50 2 3.40 2.50 2.80 3.10	1100MH 3 4.00 3.50 3.60 3.90	5.00 5.50 5.50 5.50 2 4 4.30 4.00 4.20 5.00	5 18.00 19.00 19.00 19.00
	SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120	3.00 3.00 2.90 2.60 2.40 1 2.80 2.20 2.10 2.00	2.40 2.20 2.30 2.60 2.60 2.40	3.60 3.90 4.00 4.20 650MH 3 4.50 3.60 3.80 3.90	4.50 4.50 4.70 2 4 4.70 4.20 4.40 4.50	10.00 10.00 10.00 (h) DE0 5 9.90 10.00 10.00	2.80 2.50 2.40 C=-50, 1 2.80 2.00 2.00 2.00	2.80 3.10 robust- 2 3.50 2.10 2.30 2.70	3.90 4.10 2 weigh 800MH 3 4.30 3.60 3.80 3.90	4.60 5.00 ting 4 4.70 4.10 4.20 4.60	13.00 13.00 13.00 5 13.00 13.00 13.00	2.40 2.20 1.90 2.00 2.20	3.40 3.50 2 3.40 2.50 2.80 3.10	1100MH 3 4.00 3.50 3.60 3.90	5.00 5.50 5.50 5.50 2 4 4.30 4.00 4.20 5.00	5 18.00 19.00 19.00 19.00

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

Table 4: Noise (in μ 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					1100MH:	z	
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2	1.60	1.70	2.20	2.60	5.30	1.40	1.60	2.10	2.60	6.60	1.40	1.60	2.20	2.60	9.50
SKA1W9-12A54B90 SKA1W9-12A60B100	1.90	0.98 1.00	1.90 2.00	2.40	5.50 5.60	1.30	1.10	2.00	2.40	7.10 6.90	0.99	1.40	2.10	2.40	10.00
SKA1W9-12A72B120	1.20	1.20	2.00	2.40	5.50	0.99	1.40	2.10	2.60	6.80	0.91	1.50	2.20	2.90	10.00
SKA1W9-12A72B120	1.10	1.30	2.10	2.50	5.50	0.98	1.50	2.10	2.80	6.90	0.91	1.60	2.30	2.90	10.00
		2.00			0.00	0.00	2.00			0.00	0.02				
					(a) DEC	C = -10,	$_{ m natural}$	weighti	ng						
			650MHz	z				800MHz					1100MH	z	
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2	1.80	2.10	2.80	3.00	5.20	1.70	2.20	2.70	2.90	6.60	1.80	2.30	2.50	2.60	9.50
SKA1W9-12A54B90	1.80	1.50	2.00	2.60	5.40	1.80	1.40	2.30	2.60	7.10	1.70	1.50	2.20	2.40	10.00
SKA1W9-12A60B100	1.70	1.40	2.20	2.60	5.40	1.70	1.40	2.40	2.70	6.90	1.60	1.70	2.30	2.50	10.00
SKA1W9-12A72B120 SKA1W9-12A80B133	1.50	1.40	2.50	2.90 2.90	5.40 5.40	1.50	1.60	2.50 2.60	2.90 3.00	6.80	1.40	2.00	2.40	3.00	10.00
3KA1W9-12A80B133	1.40	1.00	2.00	2.90	3.40	1.40	1.00	2.00	3.00	0.90	1.30	2.10	2.00	3.20	10.00
				((b) DEC	2 = -10, 1	obust-2	2 weight	ing						
				,	,	,		0	0						
			650MHz	z.				800MHz					1100MH:	z.	
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2	1.70	2.00	2.70	3.00	5.20	1.70	2.10	2.70	2.90	6.60	1.70	2.10	2.50	2.60	9.50
SKA1W9-12A54B90	1.40	1.40	2.00	2.60	5.40	1.30	1.30	2.30	2.60	7.10	1.20	1.50	2.20	2.40	10.00
SKA1W9-12A60B100	1.30	1.30	2.20	2.60	5.40	1.20	1.40	2.30	2.60	6.90	1.20	1.60	2.30	2.50	10.00
SKA1W9-12A72B120	1.20	1.40	2.50	2.80	5.40	1.20	1.60	2.50	2.90	6.80	1.30	1.90	2.40	3.00	10.00
SKA1W9-12A80B133	1.20	1.50	2.60	2.90	5.40	1.30	1.70	2.50	3.00	6.90	1.40	2.00	2.50	3.20	10.00
		(0) DEC-	=-10 r	bust-2	weighti	ng with	a 1 arc	sec Ga	ussian t	aner				
		(0	,, DEC-	10, 10	Just-2	weighth	ug witti	araic	sec Ga	ussiali l	aper				
			CEOSITI					0003417					11003477		
resbin	1	2	650MHz	4	5	1	2	800MHz 3	4	5	II 1	2	1100MH:	z 4	5
SKA1REF2	1.50	1.60	2.20	2.60	5.50	1.40	1.60	2.20	2.60	7.10	1.40	1.60	2.20	2.60	10.00
SKA1W9-12A54B90	1.80	0.97	2.00	2.40	5.90	1.20	1.10	2.20	2.50	7.50	0.97	1.40	2.20	2.40	11.00
SKA1W9-12A60B100	1.40	1.00	2.00	2.40	5.90	1.10	1.20	2.10	2.50	7.50	0.92	1.50	2.10	2.60	11.00
SKA1W9-12A72B120	1.10	1.20	2.00	2.50	5.90	0.96	1.50	2.10	2.60	7.40	0.90	1.60	2.20	2.90	10.00
SKA1W9-12A80B133	1.00	1.30	2.00	2.50	5.90	0.94	1.50	2.10	2.90	7.50	0.93	1.60	2.30	3.00	11.00
					(1) DE	G 00	. ,								
					(d) DE0	$\mathcal{S} = -30,$	natural	weighti	ıng						
								800MHz					1100MH:	z	
			650MHz	S				OUUMITZ							
resbin	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
SKA1REF2	1.70	2.00	3 2.60	4 2.70	5.30	1.60	2.10	3 2.50	4 2.70	7.10	1.70	2.10	2.30	4 2.50	10.00
SKA1REF2 SKA1W9-12A54B90	1.70 1.70	2.00 1.30	3 2.60 2.10	2.70 2.40	5.30 5.70	1.60 1.70	2.10 1.20	3 2.50 2.10	2.70 2.40	7.10 7.50	1.70 1.60	2.10 1.50	3 2.30 2.10	2.50 2.30	10.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100	1.70 1.70 1.60	2.00 1.30 1.20	3 2.60 2.10 2.20	4 2.70 2.40 2.50	5.30 5.70 5.80	1.60 1.70 1.60	2.10 1.20 1.30	3 2.50 2.10 2.20	2.70 2.40 2.40	7.10 7.50 7.50	1.70 1.60 1.50	2.10 1.50 1.70	3 2.30 2.10 2.10	2.50 2.30 2.40	10.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90	1.70 1.70	2.00 1.30	3 2.60 2.10	2.70 2.40	5.30 5.70	1.60 1.70	2.10 1.20	3 2.50 2.10	2.70 2.40	7.10 7.50	1.70 1.60	2.10 1.50	3 2.30 2.10 2.10 2.20	2.50 2.30 2.40 2.80	10.00 11.00
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 2.10 2.20 2.30	4 2.70 2.40 2.50 2.50 2.70	5.30 5.70 5.80 5.80 5.80	1.60 1.70 1.60 1.40 1.30	2.10 1.20 1.30 1.60 1.70	3 2.50 2.10 2.20 2.30 2.40	4 2.70 2.40 2.40 2.70 2.80	7.10 7.50 7.50 7.40	1.70 1.60 1.50 1.30	2.10 1.50 1.70 1.90	3 2.30 2.10 2.10	2.50 2.30 2.40	10.00 11.00 11.00 10.00
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 2.10 2.20 2.30	4 2.70 2.40 2.50 2.50 2.70	5.30 5.70 5.80 5.80	1.60 1.70 1.60 1.40 1.30	2.10 1.20 1.30 1.60 1.70	3 2.50 2.10 2.20 2.30 2.40	4 2.70 2.40 2.40 2.70 2.80	7.10 7.50 7.50 7.40	1.70 1.60 1.50 1.30	2.10 1.50 1.70 1.90	3 2.30 2.10 2.10 2.20	2.50 2.30 2.40 2.80	10.00 11.00 11.00 10.00
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 2.10 2.20 2.30	4 2.70 2.40 2.50 2.50 2.70	5.30 5.70 5.80 5.80 5.80	1.60 1.70 1.60 1.40 1.30	2.10 1.20 1.30 1.60 1.70	3 2.50 2.10 2.20 2.30 2.40	4 2.70 2.40 2.40 2.70 2.80	7.10 7.50 7.50 7.40	1.70 1.60 1.50 1.30	2.10 1.50 1.70 1.90	3 2.30 2.10 2.10 2.20	2.50 2.30 2.40 2.80	10.00 11.00 11.00 10.00
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 2.10 2.20 2.30	4 2.70 2.40 2.50 2.50 2.70	5.30 5.70 5.80 5.80 5.80	1.60 1.70 1.60 1.40 1.30	2.10 1.20 1.30 1.60 1.70 robust-2	3 2.50 2.10 2.20 2.30 2.40	4 2.70 2.40 2.40 2.70 2.80 ing	7.10 7.50 7.50 7.40	1.70 1.60 1.50 1.30	2.10 1.50 1.70 1.90	3 2.30 2.10 2.10 2.20	4 2.50 2.30 2.40 2.80 3.10	10.00 11.00 11.00 10.00
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 2.10 2.20 2.30 2.40 650MHz	4 2.70 2.40 2.50 2.50 2.70	5.30 5.70 5.80 5.80 5.80 (e) DEC	1.60 1.70 1.60 1.40 1.30 =-30, 1	2.10 1.20 1.30 1.60 1.70 robust-2	3 2.50 2.10 2.20 2.30 2.40 2 weight	4 2.70 2.40 2.40 2.70 2.80 ing	7.10 7.50 7.50 7.40 7.50	1.70 1.60 1.50 1.30 1.20	2.10 1.50 1.70 1.90 2.00	3 2.30 2.10 2.10 2.20 2.40 1100MH:	4 2.50 2.30 2.40 2.80 3.10	10.00 11.00 11.00 10.00 11.00
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 2.10 2.20 2.30 2.40 650MHz 3 2.50	4 2.70 2.40 2.50 2.50 2.70	5.30 5.70 5.80 5.80 5.80 (e) DEC	1.60 1.70 1.60 1.40 1.30 D=-30, I	2.10 1.20 1.30 1.60 1.70 robust-2	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40	4 2.70 2.40 2.40 2.70 2.80 ing	7.10 7.50 7.50 7.40 7.50	1.70 1.60 1.50 1.30 1.20	2.10 1.50 1.70 1.90 2.00	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30	4 2.50 2.30 2.40 2.80 3.10	10.00 11.00 11.00 10.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30	2.00 1.30 1.20 1.30 1.40	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10	4 2.70 2.40 2.50 2.50 2.70 2.70 2.40	5.30 5.70 5.80 5.80 5.80 (e) DEC	1.60 1.70 1.60 1.40 1.30 C=-30, I	2.10 1.20 1.30 1.60 1.70 robust-2 2 2.00 1.20	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40 2.10	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40	7.10 7.50 7.50 7.40 7.50 7.10 7.50	1.70 1.60 1.50 1.30 1.20	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.00	2.50 2.30 2.40 2.80 3.10 z 4 2.40 2.20	10.00 11.00 11.00 10.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.20	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20	4 2.70 2.40 2.50 2.50 2.70 2.70 2.40 2.50	5.30 5.70 5.80 5.80 5.80 (e) DEC	1.60 1.70 1.60 1.40 1.30 C=-30, I	2.10 1.20 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40 2.10 2.10	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.40	7.10 7.50 7.50 7.40 7.50 7.10 7.50 7.50	1.70 1.60 1.50 1.30 1.20 1.20	2.10 1.50 1.70 1.90 2.00 2.190 1.40 1.60	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.00 2.10	4 2.50 2.30 2.40 2.80 3.10 z 4 2.40 2.20 2.40	10.00 11.00 11.00 10.00 11.00 5 10.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 Fesbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B120	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.30	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30	4 2.70 2.40 2.50 2.50 2.70 2.4 2.70 2.40 2.50 2.50	5.30 5.70 5.80 5.80 5.80 (e) DEC	1.60 1.70 1.60 1.40 1.30 C=-30, 1 1.50 1.10 1.10 1.20	2.10 1.20 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40 2.10 2.10 2.20	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.40 2.70	7.10 7.50 7.50 7.40 7.50 7.50 7.50 7.50 7.40	1.70 1.60 1.50 1.30 1.20 1.20	2.10 1.50 1.70 1.90 2.00 2.00	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.00 2.10 2.20	2 4 2.40 2.20 2.80 2.80	10.00 11.00 11.00 10.00 11.00 5 10.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A60B100	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.30 1.40	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40	4 2.70 2.40 2.50 2.50 2.70 2.40 2.40 2.50 2.50 2.60	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.80 5.80 5.80 5.80 5.80	1.60 1.70 1.60 1.40 1.30 C=-30, 1 1.50 1.10 1.20 1.20	2.10 1.20 1.30 1.60 1.70 robust-2 2 2.00 1.20 1.30 1.50	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40 2.10 2.10 2.20 2.30	4 2.70 2.40 2.70 2.80 2.70 2.80 ing 4 2.60 2.40 2.40 2.70 2.80	7.10 7.50 7.50 7.40 7.50 7.50 7.50 7.50 7.50 7.50	1.70 1.60 1.50 1.30 1.20 1.20	2.10 1.50 1.70 1.90 2.00 2.190 1.40 1.60	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.00 2.10	4 2.50 2.30 2.40 2.80 3.10 z 4 2.40 2.20 2.40	10.000 11.000 11.000 10.000 11.000 5 10.000 11.000
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 Fesbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B120	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.30 1.40	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40	4 2.70 2.40 2.50 2.50 2.70 2.40 2.40 2.50 2.50 2.60	5.30 5.70 5.80 5.80 5.80 (e) DEC	1.60 1.70 1.60 1.40 1.30 C=-30, 1 1.50 1.10 1.20 1.20	2.10 1.20 1.30 1.60 1.70 robust-2 2 2.00 1.20 1.30 1.50	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40 2.10 2.10 2.20 2.30	4 2.70 2.40 2.70 2.80 2.70 2.80 ing 4 2.60 2.40 2.40 2.70 2.80	7.10 7.50 7.50 7.40 7.50 7.50 7.50 7.50 7.50 7.50	1.70 1.60 1.50 1.30 1.20 1.20	2.10 1.50 1.70 1.90 2.00 2.00	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.00 2.10 2.20	2 4 2.40 2.20 2.80 2.80	10.000 11.000 11.000 10.000 11.000 5 10.000 11.000
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 Fesbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B120	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.30 1.40	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40	4 2.70 2.40 2.50 2.50 2.70 2.40 2.40 2.50 2.50 2.60	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.80 5.80 5.80 5.80 5.80	1.60 1.70 1.60 1.40 1.30 C=-30, 1 1.50 1.10 1.20 1.20	2.10 1.20 1.30 1.60 1.70 robust-2 2 2.00 1.20 1.30 1.50	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40 2.10 2.10 2.20 2.30	4 2.70 2.40 2.70 2.80 2.70 2.80 ing 4 2.60 2.40 2.40 2.70 2.80	7.10 7.50 7.50 7.40 7.50 7.50 7.50 7.50 7.50 7.50	1.70 1.60 1.50 1.30 1.20 1.20	2.10 1.50 1.70 1.90 2.00 2.00	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.00 2.10 2.20	2 4 2.40 2.20 2.80 2.80	10.00 11.00 11.00 10.00 11.00 5 10.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 Fesbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B120	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.30 1.40	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40	4 2.70 2.40 2.50 2.50 2.70 2 4 2.70 2.40 2.50 2.50 2.60 2.50 2.50 2.50	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.80 5.80 5.80 5.80 5.80	1.60 1.70 1.60 1.40 1.30 C=-30, 1 1.50 1.10 1.20 1.20	2.10 1.20 1.30 1.60 1.70 robust-2 2 2.00 1.20 1.30 1.50	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40 2.10 2.10 2.20 2.30	4 2.70 2.40 2.240 2.70 2.80 ing 4 2.60 2.40 2.40 2.70 2.80 sec Ga	7.10 7.50 7.50 7.40 7.50 7.50 7.50 7.50 7.50 7.50	1.70 1.60 1.50 1.30 1.20 1.20	2.10 1.50 1.70 1.90 2.00 2.00	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.00 2.10 2.20	2.30 2.30 2.40 2.80 3.10 z 4 2.40 2.20 2.40 2.80 3.10	10.00 11.00 11.00 10.00 11.00 5 10.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A560B100 SKA1W9-12A50B103 SKA1W9-12A50B103 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10 1.10 1.20	2 1.30 1.30 1.40 2 1.90 1.20 1.30 1.40	3 2.60 2.10 2.20 2.30 2.40 650MH ₂ 3 2.50 2.10 2.20 2.30 2.40 2.40 2.50 2.40	2.70 2.50 2.70 2.50 2.70 2.70 2.40 2.70 2.40 2.50 2.50 2.50 2.60 2.60	5.30 5.70 5.80 5.80 5.80 5.80 5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.80	1.60 1.70 1.60 1.60 1.40 1.30 C=-30, 1 1.50 1.10 1.20 1.20 weighting	2.10 1.20 1.30 1.60 1.70 obust-2 2 2.00 1.20 1.30 1.50 1.70 ng with	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 2.10 2.10 2.20 2.30 a 1 arc	4 2.70 2.40 2.40 2.80 2.80 ing 4 2.60 2.40 2.70 2.80 sec Ga	7.10 7.50 7.50 7.40 7.50 7.10 7.50 7.10 7.50 7.40 7.50 7.50 7.40	1.70 1.60 1.50 1.30 1.20 1.10 1.10 1.10 1.30 1.30 1.30	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40 1.60 1.70 1.80	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.00 2.10 2.20 2.40	z 4 2.50 2.30 2.40 2.80 3.10 z 4 2.40 2.20 2.40 2.80 3.10	10.00 11.00 11.00 10.00 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 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A80B103	1.70 1.70 1.60 1.60 1.40 1.30 1.60 1.20 1.10 1.10 1.20	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 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	4 2.70 2.50 2.70 2.70 2.40 2.70 2.40 2.50 2.50 2.60	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.70 5.70 5.80 5.80 5.80 5.80	1.60 1.70 1.60 1.40 1.30 2:=-30, 1 1.50 1.10 1.10 1.20 1.20 1.20 1.40	2.10 1.20 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.70 ng with	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.10 2.10 2.20 2.30 a 1 arc	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 sec Ga	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.50 7.50 7.50 7.40 7.50 7.50	1.70 1.60 1.50 1.30 1.20 1.20 1.60 1.10 1.10 1.13 1.30 1.30 1.40	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40 1.60 1.70 1.80	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.10 2.20 2.40	2.30 2.30 2.40 2.80 3.10 2 4 2.40 2.20 2.40 2.80 3.10	10.00 11.00 11.00 10.00 11.00 5 10.00 11.00 11.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A50B133	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.10 1.10 1.10 1.20	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.30 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40 2.90 2.20 2.30 2.40	4 2.70 2.50 2.70 2.40 2.50 2.70 2.40 2.50 2.50 2.70 2.40 2.50 2.50 2.60 2.40 2.40 2.40 2.40 2.40 2.40 2.40 2.4	5.30 5.70 5.80 5.80 5.80 (e) DEC 5 5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.80	1.60 1.70 1.60 1.40 1.30 1.30 1.30 1.10 1.10 1.10 1.20 1.20 1.20 1.40 1.40 1.20	2.10 1.20 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.70 ang with	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.30	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 sec Ga	7.10 7.50 7.50 7.40 7.50 7.10 7.50 7.50 7.40 7.50 7.40 7.50	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.30 1.30 1.30 1.40 1.40 0.98	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40 1.60 1.70 1.80	3 2.30 2.10 2.10 2.20 2.40 2.40 1100MH: 3 2.30 2.00 2.10 2.20 2.40	2.30 2.30 2.40 2.40 3.10 2 4 2.40 2.20 2.40 2.40 2.40 2.40 2.40	10.00 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 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A54B90 SKA1W9-12A54B90 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 1.20 1.10 1.20 1.10 1.20 1.10 1.20	2 1.30 1.40 1.40 2 1.90 1.20 1.20 1.30 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40 2.00 650MHz 3 2.10 2.20 2.30 2.40	4 2.70 2.40 2.50 2.70 2.40 2.50 2.50 2.60 2.60 2.60 2.40 2.40 2.40 2.40 2.40 2.40 2.40 2.4	5.30 5.70 5.80 5.80 5.80 5.80 5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.80	1.60 1.70 1.60 1.40 1.30 2:=-30, 1 1.50 1.10 1.10 1.20 weightin	2.10 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.70 ang with	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.20 2.20	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.40 2.70 2.80 sec Ga	7.10 7.50 7.50 7.40 7.50 7.10 7.50 7.50 7.50 7.40 7.50 9.740 7.50 9.740 7.50 7.50 7.50 7.50	1.70 1.60 1.50 1.30 1.20 1 1 1.60 1.10 1.10 1.10 1.30 1.30 1.30 1.40 0.98	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40 1.60 1.70 1.80	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.00 2.10 2.20 2.40	2.50 2.30 2.40 2.80 3.10 2.40 2.20 2.40 2.80 3.10	10.00 11.00 11.00 11.00 10.00 11.00 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 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10 1.10 1.20 1.20 1.10 1.20	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.20 1.20 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40 10 DEC= 650MHz 3 2.10 1.90 2.20 2.30 2.40 2.00 2.20 2.30 2.40 1.90 2.00 2.00 2.00 2.00 2.00 2.00	4 2.70 2.50 2.70 2.70 2.40 2.50 2.50 2.60 2.50 2.60 2.50 2.60 2.60 2.40 2.40 2.50 2.50 2.60 2.40 2.50 2.50 2.60 2.40 2.40 2.50 2.50 2.60 2.60 2.40 2.50 2.50 2.60 2.60 2.40 2.50 2.50 2.50 2.60 2.40 2.40 2.50 2.50 2.50 2.50 2.50 2.60 2.40 2.40 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.70 5.70 5.80 5.80 5.80 5.80 5.80 5.80 5.80 5.8	1.60 1.70 1.60 1.40 1.30 2=-30, I 1.10 1.10 1.10 1.20 1.20 1.40 1.20 1.00 1.00 1.00 1.00 1.00 1.00 1.0	2.10 1.20 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.70 ng with 2 1.60 1.10 1.20 1.40	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.10 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 5 sec Ga 4 2.60 2.50 2.50 2.50	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.50 7.50 7.50 7.50 7.50 7.50 7.5	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.10 1.30 1.30 1.30 1.40 0.98 0.94 0.90	2.10 1.50 1.70 1.90 2.00 2.190 1.40 1.60 1.70 1.80 2 1.70 1.50 1.50	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.10 2.20 2.40	2 2.30 2.30 2.40 2.80 3.10 2 4 2.240 2.240 2.240 2.80 3.10 2 4 2.60 2.40 2.60 2.40 2.60 2.60	10.00 11.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A54B90 SKA1W9-12A54B90 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 1.20 1.10 1.20 1.10 1.20 1.10 1.20	2 1.30 1.40 1.40 2 1.90 1.20 1.20 1.30 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40 2.00 650MHz 3 2.10 2.20 2.30 2.40	4 2.70 2.40 2.50 2.70 2.40 2.50 2.50 2.60 2.60 2.60 2.40 2.40 2.40 2.40 2.40 2.40 2.40 2.4	5.30 5.70 5.80 5.80 5.80 5.80 5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.80	1.60 1.70 1.60 1.40 1.30 2:=-30, 1 1.50 1.10 1.10 1.20 weightin	2.10 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.70 ang with	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.20 2.20	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.40 2.70 2.80 sec Ga	7.10 7.50 7.50 7.40 7.50 7.10 7.50 7.50 7.50 7.40 7.50 9.740 7.50 9.740 7.50 7.50 7.50 7.50	1.70 1.60 1.50 1.30 1.20 1 1 1.60 1.10 1.10 1.10 1.30 1.30 1.30 1.40 0.98	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40 1.60 1.70 1.80	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.00 2.10 2.20 2.40	2.50 2.30 2.40 2.80 3.10 2.40 2.20 2.40 2.80 3.10	10.00 11.00 11.00 10.00 11.00 5 10.00 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 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10 1.10 1.20 1.20 1.10 1.20	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.20 1.20 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40 10 DEC= 650MHz 3 2.10 1.90 2.20 2.30 2.40 2.00 2.20 2.30 2.40 1.90 2.00 2.00 2.00 2.00 2.00 2.00	4 2.70 2.50 2.70 2.40 2.50 2.60 2.40 2.50 2.60 2.40 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.70 5.70 5.80 5.80 5.80 5.80 5.80 5.80 5.80 5.8	1.60 1.70 1.60 1.40 1.30 1.30 1.10 1.10 1.10 1.20 1.40 1.20 1.40 1.20 1.40 1.90 1.90 0.96	2.10 1.20 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.70 ng with 2 1.60 1.10 1.20 1.20 1.40 1.50	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.10 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 5 sec Ga 4 2.60 2.50 2.50 2.50 2.90	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.50 7.50 7.50 7.50 7.50 7.50 7.5	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.10 1.30 1.30 1.30 1.40 0.98 0.94 0.90	2.10 1.50 1.70 1.90 2.00 2.190 1.40 1.60 1.70 1.80 2 1.70 1.50 1.50	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.10 2.20 2.40	2 2.30 2.30 2.40 2.80 3.10 2 4 2.240 2.240 2.240 2.80 3.10 2 4 2.60 2.40 2.60 2.40 2.60 2.60	10.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10 1.10 1.20 1.20 1.10 1.20	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.20 1.20 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40 10 DEC= 650MHz 3 2.10 1.90 2.20 2.30 2.40 2.00 2.20 2.30 2.40 1.90 2.00 2.00 2.00 2.00 2.00 2.00	4 2.70 2.50 2.70 2.40 2.50 2.60 2.40 2.50 2.60 2.40 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.30 5.70 5.80	1.60 1.70 1.60 1.40 1.30 1.30 1.10 1.10 1.10 1.20 1.40 1.20 1.40 1.20 1.40 1.90 1.90 0.96	2.10 1.20 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.70 ng with 2 1.60 1.10 1.20 1.20 1.40 1.50	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.10 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 5 sec Ga 4 2.60 2.50 2.50 2.50 2.90	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.50 7.50 7.50 7.50 7.50 7.50 7.5	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.10 1.30 1.30 1.30 1.40 0.98 0.94 0.90	2.10 1.50 1.70 1.90 2.00 2.190 1.40 1.60 1.70 1.80 2 1.70 1.50 1.50	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.10 2.20 2.40	2 2.30 2.30 2.40 2.80 3.10 2 4 2.240 2.240 2.240 2.80 3.10 2 4 2.60 2.40 2.60 2.40 2.60 2.60	10.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10 1.10 1.20 1.20 1.10 1.20	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.20 1.20 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40 7) DEC= 650MHz 3 2.10 1.90 2.20 2.20 2.30 2.40	4 2.70 2.50 2.70 2.40 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.30 5.70 5.80	1.60 1.70 1.60 1.40 1.30 1.30 1.10 1.10 1.10 1.20 1.40 1.20 1.40 1.20 1.40 1.90 1.90 0.96	2.10 1.20 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.70 ng with 2 1.60 1.10 1.20 1.20 1.40 1.50	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.30 a 2.20 2.30 a 2.20 2.30 a 1 arc	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 sec Ga 4 2.60 2.50 2.50 2.50 2.90 ing	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.50 7.50 7.50 7.50 7.50 7.50 7.5	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.10 1.30 1.30 1.30 1.40 0.98 0.94 0.90	2.10 1.50 1.70 1.90 2.00 2.190 1.40 1.60 1.70 1.80 2 1.70 1.50 1.50	3 2.30 2.10 2.10 2.20 2.40 2.40 1100MH: 3 2.30 2.00 2.10 2.20 2.40 1100MH: 3 2.20 2.40	z 4 2.50 2.30 2.40 2.40 3.10 z 4 2.40 2.20 2.40 2.40 2.40 2.40 2.60 2.40 2.60 2.90 3.00	10.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00
SKA1REF2 SKA1W9-12A64B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A5	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10 1.10 1.20 1.20 1.10 1.20	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.20 1.20 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40 10 DEC= 650MHz 3 2.10 1.90 2.20 2.30 2.40 2.00 2.20 2.30 2.40 1.90 2.00 2.00 2.00 2.00 2.00 2.00	4 2.70 2.50 2.70 2.40 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.30 5.70 5.80	1.60 1.70 1.60 1.40 1.30 1.30 1.10 1.10 1.10 1.20 1.40 1.20 1.40 1.20 1.40 1.90 1.90 0.96	2.10 1.20 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.70 ng with 2 1.60 1.10 1.20 1.20 1.40 1.50	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.10 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 sec Ga 4 2.60 2.50 2.50 2.50 2.90 ing	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.50 7.50 7.50 7.50 7.50 7.50 7.5	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.10 1.30 1.30 1.30 1.40 0.98 0.94 0.90	2.10 1.50 1.70 1.90 2.00 2.190 1.40 1.60 1.70 1.80 2 1.70 1.50 1.50	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.10 2.20 2.40	2 4 2.40 2.20 2.40 2.40 2.40 2.40 2.40 2	10.00 11.00 11.00 10.00 11.00 5 10.00 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 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A54B90	1.70 1.70 1.60 1.60 1.40 1.30 1.60 1.20 1.10 1.10 1.20 1.10 1.20 1.10 1.20 1.10 1.20	2 1.30 1.40 1.20 1.30 1.40 2 1.20 1.20 1.30 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40 DEC= 650MHz 2.00 2.00 2.10 1.90 2.00 2.10	2.40 2.40 2.50 2.50 2.70 2.40 2.40 2.50 2.60 2.60 2.40 2.40 2.40 2.50 2.50 2.50	5.30 5.70 5.80 5.80 5.80 5.80 5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.80 5.80 6.80	1.60 1.70 1.60 1.40 1.30 1.30 1.10 1.10 1.10 1.20 1.20 weightin 1.40 1.20 1.20 C=-50,	2.10 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.70 mg with 2 1.60 1.10 1.20 1.40 1.50 matural	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 2.10 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.00 2.00 2.10 2.00 2.00 2.00 2.00	4 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 2.70 2.80 sec Ga 4 2.60 2.40 2.70 2.80 sec Ga	7.10 7.50 7.50 7.40 7.50 7.10 7.50 7.50 7.50 7.40 7.50 ussian t	1.70 1.60 1.50 1.30 1.20 1 1 1.60 1.10 1.10 1.10 1.30 1.30 1.30 1.30 1.3	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40 1.60 1.70 1.80 2 1.70 1.50 1.50 1.60	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.10 2.20 2.40 1100MH: 3 2.20 2.10 2.20 2.30	z 4 2.40 2.20 2.40 2.40 3.10 z 4 2.60 2.40 2.60 2.90 3.00	10.00 11.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 10.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30 1.10 1.20 1.10 1.20 1.10 1.20 1.10 1.20 1.10 1.20 1.50 1.50 1.10 1.00 1.70 1.00	2.00 1.30 1.20 1.30 1.40 2 1.90 1.20 1.20 1.20 1.20 1.30 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.10 2.20 2.30 2.40 C) DEC= 650MHz 3 2.10 2.20 2.30 2.40 C) DEC= 650MHz 3 2.10 1.90 2.20 2.30 2.10 1.90 2.20 2.00 2.10 C) DEC= 650MHz 3 2.10 2.00 2.00 2.00 2.10 C) DEC= 650MHz 3 2.10 2.00 2.00 2.10 C) DEC= 650MHz 3 2.10 2.00 2.00 2.10 C) DEC= 650MHz 3 2.00 2.00 2.10 C) DEC=	4 2.70 2.40 2.50 2.70 2.40 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.80 (g) DEC	1.60 1.70 1.60 1.70 1.60 1.40 1.30 C=-30, 1 1.50 1.10 1.10 1.120 1.20 1.20 1.20 1.40 1.20 1.20 1.20 C=-50,	2.10 1.20 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.70 ng with 2 1.60 1.10 1.20 1.40 1.50 natural	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.30 2.10 2.10 2.20 2.30 2.10 2.10 2.40 2.40 2.40 2.40 2.40 2.40 2.40 2.4	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 2.60 2.50 2.50 2.50 2.60 2.90 ing	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.50 7.50 7.50 7.50 7.50 7.50 7.40 7.30 7.30 7.30 7.30 7.30 7.30 7.30 7.3	1.70 1.60 1.50 1.30 1.20 1 1 1.60 1.10 1.10 1.10 1.130 1.30 1.30 1.30 1.	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40 1.60 1.70 1.80 2 1.70 1.50 1.60 2 2 2.10 1.40	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.20 2.10 2.20 2.10 2.20 2.20 2.20 2.20	2 2.30 2.40 2.80 3.10 2.40 2.20 2.40 2.20 2.40 2.40 2.20 2.40 2.4	5 10.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 11.00 10.00 10.00 10.00 10.00 10.00
SKA1REF2 SKA1W9-12A64B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A60B100 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30 1.60 1.20 1.10 1.20 1.10 1.20 1.10 1.20 1.10 1.60 1.70 1.60 1.70 1.60 1.70	2 1.30 1.40 2 1.90 1.20 1.20 1.20 1.20 1.30 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40 650MHz 3 2.20 2.30 2.40 650MHz 3 2.20 2.20 2.30 2.40 650MHz 3 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.	2 4 2.70 2.40 2.50 2.70 2.40 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	5.30 5.70 5.80 5.80 5.80 6.9 DEC 5 5.30 5.70 5.80	1.60 1.70 1.60 1.40 1.30 C=-30, 1 1.50 1.10 1.10 1.20 1.20 1.20 1.20 1.40 1.20 1.20 1.60 1.60	2.10 1.20 1.30 1.60 1.70 2 2.00 1.20 1.30 1.60 1.70 ng with 2 1.60 1.70 1.10 1.20 1.40 1.50 1.40 1.50 1.40 1.50 1.40 1.50 1.40 1.50 1.40 1.20 1.40 1.20 1.40 1.20 1.40 1.20 1.40 1.20 1.40 1.20 1.20 1.20 1.20 1.20 1.20	3 2.50 2.10 2.20 2.30 2.40 2 weight 3 2.40 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.30 a 1 arc 800MHz 3 2.20 2.10 2.10 2.10 2.10 2.10 2.10 2.10	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 3.250 2.50 2.50 2.60 2.90 ing 4 2.60 2.30 2.30 2.30	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.50 7.50 7.50 7.40 7.30 7.30 7.30 7.30 7.30 7.30 7.30 7.3	1.70 1.60 1.50 1.30 1.20 1.60 1.10 1.10 1.10 1.10 1.30 1.30 1.30 1.3	2.10 1.50 1.70 1.90 2.00 2.00 2.00 2.00 1.40 1.60 1.70 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.70 1.60	3 2.30 2.10 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.00 2.10 2.10 2.20 2.40 1100MH: 3 2.20 2.30 2.20 2.40	2 4 2.40 2.20 2.40 2.40 2.40 3.10 2 4 4 2.40 2.40 2.40 2.40 2.40 2.40 2.	10.00 11.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 10.00
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 1 1.60 1.20 1.10 1.20 1.10 1.20 1.10 1.20 1.10 1.60 1.80 1.50 1.10 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 2.10 2.20 2.30 2.40 650MHz 3 2.10 2.20 2.30 2.10 2.20 2.30 2.40 DEC= 650MHz 3 2.10 2.20 2.30 2.40 2.00 2.00 2.10 650MHz 3 2.00 2.00 2.10 2.00 2.10 2.00 2.10 2.00 2.10 2.20 2.00 2.10 2.20 2.00 2.10 2.20 2.2	2.40 2.50 2.50 2.70 2.41 2.70 2.40 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.80 5.70 5.80 5.90	1.60 1.70 1.60 1.40 1.30 1.30 1.30 1.10 1.10 1.10 1.20 1.20 1.20 1.20 1.2	2.10 1.20 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.70 ang with 2 1.60 1.10 1.20 1.40 1.50 anatural	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40 2.10 2.20 2.30 3 2.30 2.30 2.40 2.10 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.50 2.50 2.60 2.90 ing 4 4.60 2.30 2.30 2.30 2.30 2.50	7.10 7.50 7.40 7.50 7.40 7.50 7.10 7.50 7.50 7.40 7.50 9.60 9.70	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.10 1.30 1.30 1.30 1.30 1.3	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40 1.60 1.70 1.80 2 1.50 1.50 1.50 1.60 2 2.10 1.40 1.70 1.80	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.10 2.20 2.40 1100MH: 3 2.20 2.10 2.20 2.20 2.20 2.20 2.20 2.20	z 4 2.40 2.20 2.30 3.00 z 4 4 2.40 2.20 2.40 2.40 2.40 2.40 2.40	10.00 11.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 10.00 11.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00
SKA1REF2 SKA1W9-12A64B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A60B100 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30 1.60 1.20 1.10 1.20 1.10 1.20 1.10 1.20 1.10 1.60 1.70 1.60 1.70 1.60 1.70	2 1.30 1.40 2 1.90 1.20 1.20 1.20 1.20 1.30 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40 650MHz 3 2.20 2.30 2.40 650MHz 3 2.20 2.20 2.30 2.40 650MHz 3 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.	2 4 2.70 2.40 2.50 2.70 2.40 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	5.30 5.70 5.80 5.80 5.80 6.9 DEC 5 5.30 5.70 5.80	1.60 1.70 1.60 1.40 1.30 C=-30, 1 1.50 1.10 1.10 1.20 1.20 1.20 1.20 1.40 1.20 1.20 1.60 1.60	2.10 1.20 1.30 1.60 1.70 2 2.00 1.20 1.30 1.60 1.70 ng with 2 1.60 1.70 1.10 1.20 1.40 1.50 1.40 1.50 1.40 1.50 1.40 1.50 1.40 1.50 1.40 1.20 1.40 1.20 1.40 1.20 1.40 1.20 1.40 1.20 1.40 1.20 1.20 1.20 1.20 1.20 1.20	3 2.50 2.10 2.20 2.30 2.40 2 weight 3 2.40 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.30 a 1 arc 800MHz 3 2.20 2.10 2.10 2.10 2.10 2.10 2.10 2.10	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 3.250 2.50 2.50 2.60 2.90 ing 4 2.60 2.30 2.30 2.30	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.50 7.50 7.50 7.40 7.30 7.30 7.30 7.30 7.30 7.30 7.30 7.3	1.70 1.60 1.50 1.30 1.20 1.60 1.10 1.10 1.10 1.10 1.30 1.30 1.30 1.3	2.10 1.50 1.70 1.90 2.00 2.00 2.00 2.00 1.40 1.60 1.70 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.70 1.60	3 2.30 2.10 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.00 2.10 2.10 2.20 2.40 1100MH: 3 2.20 2.30 2.20 2.40	2 4 2.40 2.20 2.40 2.40 2.40 3.10 2 4 4 2.40 2.40 2.40 2.40 2.40 2.40 2.	10.00 11.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 10.00 11.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00
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 1 1.60 1.20 1.10 1.20 1.10 1.20 1.10 1.20 1.10 1.60 1.80 1.50 1.10 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 2.10 2.20 2.30 2.40 650MHz 3 2.10 2.20 2.30 2.10 2.20 2.30 2.40 DEC= 650MHz 3 2.10 2.20 2.30 2.40 2.00 2.00 2.10 650MHz 3 2.00 2.00 2.10 2.00 2.10 2.00 2.10 2.00 2.10 2.20 2.00 2.10 2.20 2.00 2.10 2.20 2.2	2.40 2.50 2.50 2.70 2.40 2.50 2.70 2.40 2.50 2.70 2.40 2.50 2.50 2.50 2.50 2.50 2.60 2.40 2.40 2.40 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.80 5.70 5.80 5.90	1.60 1.70 1.60 1.40 1.30 1.30 1.30 1.10 1.10 1.10 1.20 1.20 1.20 1.20 1.2	2.10 1.20 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.70 ng with 2 1.60 1.10 1.20 1.40 1.50 1.50 1.70	3 2.50 2.10 2.20 2.30 2.40 2.40 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.00 2.10 2.20 2.20 2.20 2.20 2.20	4 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 sec Ga 4 2.60 2.50 2.50 2.60 2.30 2.30 2.30 2.30 2.50 2.70	7.10 7.50 7.40 7.50 7.40 7.50 7.10 7.50 7.50 7.40 7.50 9.60 9.70	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.10 1.30 1.30 1.30 1.30 1.3	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40 1.60 1.70 1.80 2 1.50 1.50 1.50 1.60 2 2.10 1.40 1.70 1.80	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.10 2.20 2.40 1100MH: 3 2.20 2.10 2.20 2.20 2.20 2.20 2.20 2.20	z 4 2.40 2.20 2.30 3.00 z 4 4 2.40 2.20 2.40 2.40 2.40 2.40 2.40	10.00 11.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00
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 1 1.60 1.20 1.10 1.20 1.10 1.20 1.10 1.20 1.10 1.60 1.80 1.50 1.10 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 2.10 2.20 2.30 2.40 650MHz 3 2.10 2.20 2.30 2.10 2.20 2.30 2.40 DEC= 650MHz 3 2.10 2.20 2.30 2.40 2.00 2.00 2.10 650MHz 3 2.00 2.00 2.10 2.00 2.10 2.00 2.10 2.00 2.10 2.20 2.00 2.10 2.20 2.00 2.10 2.20 2.2	2.40 2.50 2.50 2.70 2.40 2.50 2.70 2.40 2.50 2.70 2.40 2.50 2.50 2.50 2.50 2.50 2.60 2.40 2.40 2.40 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.80 5.70 5.80 5.90	1.60 1.70 1.60 1.40 1.30 1.30 1.30 1.10 1.10 1.10 1.20 1.20 1.20 1.20 1.2	2.10 1.20 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.70 ng with 2 1.60 1.10 1.20 1.40 1.50 1.50 1.70	3 2.50 2.10 2.20 2.30 2.40 2.40 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.00 2.10 2.20 2.20 2.20 2.20 2.20	4 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 sec Ga 4 2.60 2.50 2.50 2.60 2.30 2.30 2.30 2.30 2.50 2.70	7.10 7.50 7.40 7.50 7.40 7.50 7.10 7.50 7.50 7.40 7.50 9.60 9.70	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.10 1.30 1.30 1.30 1.30 1.3	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40 1.60 1.70 1.80 2 1.50 1.50 1.50 1.60 2 2.10 1.40 1.70 1.80	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.10 2.20 2.40 1100MH: 3 2.20 2.10 2.20 2.20 2.20 2.20 2.20 2.20	z 4 2.40 2.20 2.30 3.00 z 4 4 2.40 2.20 2.40 2.40 2.40 2.40 2.40	10.00 11.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 10.00 10.00 10.00 10.00 10.00 11.00 11.00 10.00
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 1 1.60 1.20 1.10 1.20 1.10 1.20 1.10 1.20 1.10 1.60 1.80 1.50 1.10 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 2.10 2.20 2.30 2.40 650MHz 3 2.10 2.20 2.30 2.40 C) DEC= 650MHz 3 2.10 2.20 2.30 2.40 C) DEC= 650MHz 3 2.10 2.20 2.30 2.40 C) DEC= 650MHz 3 2.10 2.20 2.30 2.10 2.20 2.30 2.10 2.20 2.30 2.10 C) DEC= 650MHz 3 2.10 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	4 2.70 2.50 2.70 2.40 2.50 2.50 2.60 2.40 2.50 2.50 2.60 (5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.80 5.70 5.80 5.90	1.60 1.70 1.60 1.40 1.30 1.30 1.30 1.10 1.10 1.10 1.20 1.20 1.20 1.20 1.2	2.10 1.20 1.30 1.60 1.70 cobust-2 2 2.00 1.20 1.30 1.50 1.70 ng with 2 1.60 1.10 1.20 1.40 1.50 1.50 1.70	3 2.50 2.10 2.20 2.30 2.40 2 weight 3 2.40 2.10 2.20 2.30 3.40 2.10 2.10 2.20 2.30 3.40 2.10 2.20 2.00 2.10 2.10 2.10 2.10 2.1	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 2.70 2.80 2.60 2.70 2.80 2.60 2.50 2.50 2.50 2.50 2.50 2.70 2.80 ing	7.10 7.50 7.40 7.50 7.40 7.50 7.10 7.50 7.50 7.40 7.50 9.60 9.70	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.10 1.30 1.30 1.30 1.30 1.3	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40 1.60 1.70 1.80 2 1.50 1.50 1.50 1.60 2 2.10 1.40 1.70 1.80	3 2.30 2.10 2.10 2.20 2.40 2.40 2.30 2.30 2.10 2.10 2.20 2.40 2.10 2.20 2.40 2.20 2.30 2.20 2.40	2 2.40 2.40 2.40 2.40 2.40 2.40 2.40 2.4	10.00 11.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 10.00 10.00 10.00 10.00 10.00 11.00 11.00 10.00
SKA1REF2 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90	1.70 1.70 1.60 1.40 1.30 1.60 1.20 1.10 1.20 1.10 1.20 1.10 1.20 1.10 1.20 1.30 1.30 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 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40 650MHz 3 2.20 2.30 2.40 650MHz 3 2.30 2.40 650MHz 3 2.30 2.30 2.30 2.30 2.30 2.30 2.30 2.	4 2.70 2.50 2.70 2.40 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	5.30 5.70 5.80 5.80 5.80 5.80 5.70 5.80 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.80 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.80 5.80 5.80 5.80 5.80 5.80 5.90 5.90 5.90 5.90 5.80	1.60 1.70 1.60 1.40 1.30 S=-30, 1 1.50 1.10 1.10 1.10 1.20 1.20 1.20 1.10 1.20 1.2	2.10 1.20 1.30 1.60 1.70 2 2.00 1.20 1.30 1.50 1.70 ng with 2 1.60 1.10 1.20 1.40 1.50 1.10 1.20 1.40 1.50 1.70 natural	3 2.50 2.10 2.20 2.30 2.40 2 weight 3 2.40 2.10 2.20 2.30 a 1 arc 800MHz 3 2.20 2.30 a 1 arc 800MHz 3 2.20 2.00 2.10 2.10 2.10 2.10 2.10 2.10	4 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 ing 4 2.60 2.50 2.50 2.50 2.50 2.90 ing 4 2.60 2.30 2.30 2.30 2.50 2.70 ing	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.40 7.50 7.40 7.50 7.40 7.50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.70 1.60 1.50 1.30 1.20 1.10 1.10 1.10 1.10 1.30 1.30 1.30 1.	2.10 1.50 1.90 1.40 1.60 1.70 1.80 2 1.70 1.80 2 2 1.70 1.50 1.50 1.50 1.60 2 2 1.70 1.80 1.90	3 2.30 2.10 2.10 2.10 2.20 2.40 1100MH: 3 2.30 2.00 2.10 2.10 2.20 2.40 1100MH: 3 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.	2 4 2.40 2.20 2.40 2.40 2.40 2.40 2.40 2	10.00 11.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 10.00 11.00 10.00 10.00 10.00
SKA1REF2 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A54B90 SKA1W9-12A5B133	1.70 1.70 1.60 1.40 1.30 1 1.60 1.20 1.10 1.20 1.10 1.20 1.10 1.20 1.30 1.30 1.30 1.30	2 1.30 1.40 1.20 1.30 1.40 1.20 1.20 1.30 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.10 2.20 2.30 2.40 C) DEC= 650MHz 3 2.10 2.20 2.30 2.40 C) DEC= 650MHz 3 2.10 1.90 2.00 2.10 2.00 2.30 2.30 2.30 2.30 2.30 2.30 2.3	4 2.70 2.40 2.50 2.70 2.40 2.50 2.50 2.50 2.50 2.50 2.60 2.40 2.50 2.50 2.50 2.60 2.40 2.40 2.50 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.6	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.80 5.70 5.80 5.90 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00	1.60 1.70 1.60 1.40 1.30 2:=-30, 1 1 1.50 1.10 1.10 1.20 1.20 1.20 weighting 1.40 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.2	2.10 1.20 1.30 1.60 1.70 cobust-2 2.00 1.20 1.30 1.50 1.70 ng with 2 1.60 1.10 1.20 1.40 1.50 1.50 1.70 natural	3 2.50 2.10 2.20 2.40 2 weight 3 3 2.40 2.10 2.10 2.10 2.10 2.10 2.10 2.20 2.30 a 1 arc 800MHz 3 2.00 2.10 2.10 2.10 2.20 2.20 2.20 2.20	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.40 2.40 2.70 2.80 ing 4 2.60 2.50 2.50 2.60 2.90 ing 4 2.60 2.30 2.30 2.30 2.70 ing	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.50 7.50 7.50 7.50 7.50 7.40 7.50 5 7.00 7.30 7.30 7.30 7.30 7.30 7.30 7.30	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.10 1.30 1.30 1.30 1.30 1.3	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40 1.60 1.70 1.80 2 1.160 1.50 1.50 1.50 1.60 1.60 1.70 1.80 2 2.10 1.40 1.70 2.10 1.40 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.20 2.10 2.20 2.40 1100MH: 3 2.20 2.10 2.20 2.10 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	z 4 2.50 2.30 2.40 2.80 3.10 z 4 2.40 2.20 2.40 2.80 3.10 z 4 2.60 2.40 2.80 3.10 z 4 2.60 2.40 2.20 2.30 2.30 2.30 2.30 3.00	10.00 11.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00
SKA1REF2 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A50B103 SKA1W9-12A72B120 SKA1W9-12A50B103	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10 1.10 1.20 1.10 1.50 1.50 1.10 1.00	2 1.90 1.20 1.30 1.40 2 1.90 1.20 1.30 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.10 2.20 2.30 2.40 650MHz 3 2.10 2.20 2.30 2.40 650MHz 3 3 2.10 2.20 2.30 2.40 650MHz 3 3 2.20 2.30 2.40 2.20 2.30 2.10 650MHz 3 3 2.20 2.30 2.10 2.20 2.30 2.10 2.20 2.30 2.10 2.20 2.30 2.30 650MHz 2.30 2.30 650MHz 2.30 2.30 650MHz 2.30 2.40 2.30 650MHz 2.30 2.40 2.30 650MHz 2.30 2.40 650MHz 2.30 2.40 650MHz 2.30 2.40 650MHz 2.30 2.40 650MHz 2.30 650MHz 2.30 650MHz 2.30 650MHz 2.40 650M	4 2.70 2.40 2.50 2.70 2.40 2.50 2.50 2.60 2.50 2.50 2.60 2.40 2.40 2.50 2.50 2.50 2.60 2.50 2.50 2.60 2.60 2.50 2.50 2.60 2.60 2.60 2.50 2.50 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.6	5.30 5.70 5.80 5.80 5.80 5.80 5.70 5.80	1.60 1.70 1.60 1.40 1.30 1.30 1.10 1.10 1.10 1.10 1.20 1.20 1.10 1.1	2.10 1.20 1.30 1.60 1.70 2 2.00 1.20 1.30 1.50 1.70 ng with 2 1.60 1.10 1.20 1.40 1.50 natural 2 2.10 1.40 1.50 natural	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40 2.10 2.20 2.30 3 3 2.40 2.10 2.10 2.10 2.20 2.30 2.00 2.00 2.10 2.10 2.10 2.10 2.10 2.20 2.00 2.0	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 2.70 2.80 2.70 2.80 2.70 2.80 2.70 2.80 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.40 7.50 7.50 7.50 7.50 7.40 7.50 7.30 7.30 7.30 7.30 7.30 7.30 7.30 7.3	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.10 1.10 1.30 1.30 1.30 1.3	2.10 1.50 1.90 1.40 1.60 1.70 1.80 2 1.70 1.80 2 1.70 1.80 2 1.70 1.80 1.60 2 2.10 1.40 1.70 1.80 1.90	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.20 2.40 1100MH: 3 2.20 2.10 2.20 2.40 2.10 2.20 2.40 2.20 2.20 2.20 2.20 2.20 2.2	z 4 2.50 2.30 2.40 2.80 3.10 z 4 2.40 2.20 2.40 2.80 3.10 z 4 2.60 2.40 2.80 3.10 z 4 2.60 2.40 2.30 2.70 3.00	10.00 11.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 10.00 11.00 11.00 10.00 10.00
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B100 SKA1W9-12A50B100 SKA1W9-12A54B90	1.70 1.70 1.70 1.60 1.40 1.30 1 1.60 1.20 1.10 1.20 1.10 1.20 1.10 1.20 1 1.60 1.70 1.80 1.50 1.10 1.00 1.10 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 2.10 2.20 2.30 2.40 650MHz 3 2.50 2.10 2.20 2.30 2.40 650MHz 3 2.20 2.30 2.40 650MHz 3 2.20 2.30 2.40 2.40 2.40 2.40 2.40 2.40 2.40 2.4	2 4 2.70 2.40 2.50 2.50 2.50 2.50 2.50 2.50 2.60 2.40 2.50 2.50 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.6	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.70 5.80 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.70 5.80 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.70 5.80 5.70 5.90 5.90 5.90 5.90 5.70 5.80 5.70 5.90 5.90 5.90 5.70 5.70 5.70 5.80 5.90 5.90 5.70 5.70 5.70 5.80 5.90 5.90 5.70 5.70 5.70 5.70 5.70 5.80 5.70	1.60 1.70 1.60 1.70 1.60 1.40 1.30 2=-30, 1 1.50 1.10 1.10 1.20 1.20 1.20 1.20 1.20 1.2	2.10 1.20 2.00 1.30 1.60 1.70 2.00 1.20 1.30 1.50 1.70 ng with 2.160 1.10 1.20 1.40 1.50 1.50 1.70 natural	3 2.50 2.10 2.20 2.30 2.40 2.40 2.10 2.20 2.30 3 2.40 2.10 2.10 2.10 2.10 2.20 2.30 4 1 arc 800MHz 3 2.00 2.00 2.10 2.10 2.10 2.10 2.10 2.10	4 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 ing 4 2.60 2.30 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.40 7.50 7.50 7.40 7.50 7.40 7.30 7.30 7.40 7.30 7.30 7.40 7.30 7.30 7.40 7.30 7.40 7.30 7.30 7.40 7.30 7.40 7.30 7.40 7.30 7.40 7.30 7.40 7.30 7.40 7.30 7.30 7.40 7.30 7.40 7.30 7.30 7.40 7.30 7.30 7.40 7.30 7.30 7.40 7.30 7.30 7.30 7.30 7.30 7.30 7.30 7.3	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.10 1.130 1.30 1.30 1.30 1.	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40 1.60 1.70 1.80 2 2.10 1.40 1.50 1.50 1.50 1.60 2 2.10 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1	3 2.30 2.10 2.10 2.10 2.20 2.40 1100MH: 3 2.20 2.40 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	2 4 2.40 2.20 2.40 2.20 3.00 3.00 2.40 2.40 2.40 2.40 2.40 2.40 2.40 2	10.00 11.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00
SKA1REF2 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A72B120 SKA1W9-12A72B120 SKA1W9-12A50B103 SKA1W9-12A72B120 SKA1W9-12A50B103	1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10 1.10 1.20 1.10 1.50 1.50 1.10 1.00	2 1.90 1.20 1.30 1.40 2 1.90 1.20 1.30 1.40 (f	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.10 2.20 2.30 2.40 650MHz 3 2.10 2.20 2.30 2.40 650MHz 3 3 2.10 2.20 2.30 2.40 650MHz 3 3 2.20 2.30 2.40 2.20 2.30 2.10 650MHz 3 3 2.20 2.30 2.10 2.20 2.30 2.10 2.20 2.30 2.10 2.20 2.30 2.30 650MHz 2.30 2.30 650MHz 2.30 2.30 650MHz 2.30 2.40 2.30 650MHz 2.30 2.40 2.30 650MHz 2.30 2.40 650MHz 2.30 2.40 650MHz 2.30 2.40 650MHz 2.30 2.40 650MHz 2.30 650MHz 2.30 650MHz 2.30 650MHz 2.40 650M	4 2.70 2.40 2.50 2.70 2.40 2.50 2.50 2.60 2.50 2.50 2.60 2.40 2.40 2.50 2.50 2.50 2.60 2.50 2.50 2.60 2.60 2.50 2.50 2.60 2.60 2.60 2.50 2.50 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.6	5.30 5.70 5.80 5.80 5.80 5.80 5.70 5.80	1.60 1.70 1.60 1.40 1.30 1.30 1.10 1.10 1.10 1.10 1.20 1.20 1.10 1.1	2.10 1.20 1.30 1.60 1.70 2 2.00 1.20 1.30 1.50 1.70 ng with 2 1.60 1.10 1.20 1.40 1.50 natural 2 2.10 1.40 1.50 natural	3 2.50 2.10 2.20 2.30 2.40 2 weight 800MHz 3 2.40 2.10 2.20 2.30 3.1 arc 800MHz 3 2.20 2.00 2.00 2.10 2.10 weighti 800MHz 3 2.20 2.00 2.10 2.10 2.10 2.10 2.10 2.10	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.40 2.70 2.80 2.70 2.80 2.70 2.80 2.70 2.80 2.70 2.80 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.40 7.50 7.50 7.50 7.50 7.40 7.50 7.30 7.30 7.30 7.30 7.30 7.30 7.30 7.3	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.10 1.10 1.30 1.30 1.30 1.3	2.10 1.50 1.90 1.40 1.60 1.70 1.80 2 1.70 1.80 2 1.70 1.80 2 1.70 1.80 1.60 2 2.10 1.40 1.70 1.80 1.90	3 2.30 2.10 2.10 2.20 2.40 1100MH: 3 2.20 2.40 1100MH: 3 2.20 2.10 2.20 2.40 2.10 2.20 2.40 2.20 2.20 2.20 2.20 2.20 2.2	z 4 2.50 2.30 2.40 2.80 3.10 z 4 2.40 2.20 2.40 2.80 3.10 z 4 2.60 2.40 2.80 3.10 z 4 2.60 2.40 2.30 2.70 3.00	5 10.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 10.0
SKA1REF2 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133 resbin SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A50B100	1.70 1.70 1.70 1.60 1.40 1.30 1 1 1.60 1.20 1.10 1.20 1.10 1.20 1.10 1.30 1 1.50 1.10 1.30	2 1.30 1.40 1.20 1.30 1.40 1.20 1.20 1.30 1.40 (f 2 1.60 0.98 1.00 1.20 1.30 1.20 1.30 1.40	3 2.60 2.10 2.20 2.30 2.40 650MHz 3 2.10 1.90 2.20 2.30 2.40 2.20 2.30 2.40 2.20 2.30 2.40 2.20 2.30 2.40 2.20 2.30 2.40 2.20 2.30 2.10 650MHz 3 2.20 2.30 2.10 2.20 2.30 2.10 2.20 2.30 2.10 2.20 2.30 2.10 2.20 2.30 2.10 650MHz 3 2.20 2.30 2.10 2.20 2.30 2.10 2.20 2.30 2.10 650MHz 3 2.20 2.30 2.10 2.20 2.30 2.10 650MHz 3 2.20 2.30 2.10 2.20 2.30 2.10 650MHz 3 2.20 2.20 2.30 2.10 2.20 2.30 2.10 650MHz 3 2.20 2.20 2.30 2.10 650MHz 3 2.20 2.20 2.30 2.10 650MHz 3 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.	4 2.70 2.40 2.50 2.70 2.40 2.50 2.50 2.60 2.40 2.40 2.50 2.50 2.60 2.40 2.40 2.50 2.50 2.60 2.40 2.40 2.40 2.40 2.40 2.40 2.40 2.4	5.30 5.70 5.80 5.80 5.80 5.80 5.80 5.30 5.70 5.80 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.70 5.80 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.70	1.60 1.70 1.60 1.40 1.30 1.30 1.30 1.10 1.10 1.10 1.20 1.20 1.20 1.20 1.2	2.10 1.20 1.30 1.60 1.70 cobust-2 2.00 1.20 1.30 1.50 1.70 ag with 2 1.60 1.10 1.20 1.40 1.50 anatural 2 2.10 1.20 1.20 1.20 1.20 1.20 1.20 1.	3 2.50 2.10 2.20 2.40 2 weight 3 2.00 2.10 2.20 2.30 3.40 2.10 2.10 2.20 2.30 2.40 2.00 2.10 2.10 2.20 2.20 2.20 2.20 2.2	4 2.70 2.40 2.40 2.70 2.80 ing 4 2.60 2.50 2.50 2.50 2.90 ing 4 2.60 2.30 2.30 2.30 2.30 2.30	7.10 7.50 7.50 7.40 7.50 7.40 7.50 7.50 7.50 7.50 7.50 7.50 7.40 7.50 4.0 7.50 4.0 7.30 7.30 7.30 7.30 7.30 7.30 7.30 7.	1.70 1.60 1.50 1.30 1.20 1 1.60 1.10 1.10 1.10 1.10 1.30 1.30 1.30 1.3	2.10 1.50 1.70 1.90 2.00 2 1.90 1.40 1.60 1.70 1.80 2 1.70 1.50 1.50 1.50 1.60 2 2.10 1.40 1.70 1.90 1.40 1.60 1.90	3 2.30 2.10 2.10 2.10 2.20 2.40 1100MH: 3 2.20 2.10 2.20 2.40 1100MH: 3 2.20 2.10 2.20 2.10 2.20 2.30 2.30 2.30 2.30 2.30 2.30 2.3	2 4 2.40 2.20 2.30 3.00 2.40 2.40 2.20 2.30 3.00	10.00 11.00 11.00 10.00 11.00 11.00 11.00 11.00 11.00 11.00 10.00 10.00 11.00 10.00 10.00 10.00 10.00

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

Table 5: Noise (in μ 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.

I			650MHz					800MHz					1100MH	7	
resbin SKA1REF2	1 9.26	2 8.76	3 6.68	4 5.63	5 2.73	8.79	2 7.79	3 5.84	4 4.77	5 1.89	7.26	2 6.08	3 4.55	3.87	5 1.06
SKA1W9-12A54B90 SKA1W9-12A60B100	7.54 9.55	14.75 14.12	7.73 7.31	6.15	2.60	9.78 11.25	11.51	6.13	5.12 4.98	1.77	10.12	7.26 6.82	4.85	3.93	0.99
SKA1W9-12A72B120 SKA1W9-12A80B133	12.44 13.65	12.53 11.36	7.14 7.01	5.92 5.78	2.61 2.61	12.60 12.80	9.01 8.56	5.97 5.89	4.76	1.83	10.99	6.56	4.59	3.46	0.99
ı					(a) DE0	C=-10, r	natural	weightir	ng						
resbin	1	2	$650 \mathrm{MHz}$ 3	4	5	1	2	800MHz 3	4	5	1	2	00MHz 3	4	5
SKA1REF2 SKA1W9-12A54B90	8.11 8.07	6.72 9.47	5.21 7.18	4.77 5.51	2.79	7.18	5.61 9.08	4.55 5.49	4.31	1.89	5.92	6.65	3.96 4.58	3.80	0.99
SKA1W9-12A60B100 SKA1W9-12A72B120 SKA1W9-12A80B133	8.59 9.53 10.06	10.35 10.15 9.66	6.50 5.77 5.55	5.46 5.05 4.97	2.69 2.69 2.69	7.53 8.40 8.90	8.82 7.79 7.04	5.29 4.99 4.86	4.71 4.36 4.14	1.80 1.83 1.80	7.11	4.97		3.98 3.37 3.12	0.99 1.00 1.00
SKA1W9-12A00B133	10.00	9.00	3.33		o) DEC=					1.80	7.30	4.70	3.69	3.12	1.00
I			650MHz					800MHz					100MHz		
resbin SKA1REF2	1 8.59	7.11	3 5.27	4.79	2.79	7.47	5.99	3 4.61	4.33	1.89	5.83	2 4.70	3 4.02	3.83	1.05
SKA1W9-12A54B90 SKA1W9-12A60B100	10.49	10.53	7.22 6.56	5.53 5.48	2.68	9.77	9.42 8.97	5.55 5.36	4.89	1.77	8.59 8.18	6.84	4.65	4.16	0.99
SKA1W9-12A72B120 SKA1W9-12A80B133	11.70 11.83	10.14 9.58	5.84 5.63	5.07 4.99	2.69 2.69	9.65	7.84 7.19	5.06 4.93	4.37	1.83	7.41 7.06	5.34 5.06	4.22 3.92	3.38	1.00
ı		(c)	DEC=	-10, ro	bust-2 v	veighting	g with a	1 arcse	ec Gaus	ssian tap	er				
resbin	1	2	650MHz 3	4	5	1	2	800MHz	4	5	1	2	1100MH	z 4	5
SKA1REF2 SKA1W9-12A54B90	9.39 8.00	8.90 14.87	6.72 7.40	5.49 6.03	2.63	9.00 10.16	7.70 11.11	5.60 6.19	4.82 5.05	1.77	7.11 10.34	6.18	4.45	3.83 4.13	0.99
SKA1W9-12A60B100 SKA1W9-12A72B120	10.16 13.24	14.04 12.11	7.21 7.11	5.94 5.86	2.43 2.47	11.71 12.98	10.20 8.58	6.10 6.02	5.04 4.72	1.67 1.69	10.88 11.11	6.61 6.45	4.81 4.53	3.88	0.93
SKA1W9-12A80B133	14.24	10.73	7.08	5.82	2.45 (d) DE(13.26 C=-30, 1	8.32	5.97	4.30	1.66	10.74	6.38	4.35	3.34	0.94
I			CEOMIL		(d) DE	J=-50, 1	laturar	800MHz	ng .				1003/11		
resbin SKA1REF2	1 8.73	7.17	650MHz 3 5.61	4 5.31	5 2.71	7.75	2 5.91	3 5.03	4 4.71	5 1.77	1 5.92	2 4.66	100MHz 3 4.30	4 4.07	5
SKA1W9-12A54B90 SKA1W9-12A60B100	8.47 9.16	10.85	6.94	5.98 5.73	2.53	7.46	10.36	5.87	5.21	1.67	6.22	6.68	4.83	4.42	0.93
SKA1W9-12A72B120 SKA1W9-12A80B133	10.15 10.72	10.95 10.05	6.17 6.05	5.67 5.45	2.51 2.50	8.87 9.52	7.97 7.16	5.53 5.31	4.68 4.44	1.69 1.66	7.55 8.08	5.29 5.08	4.44 4.22	3.55 3.25	0.96 0.94
				(e) DEC:	=-30, ro	bust-2 v	veightin	ıg						
resbin	1	2	650MHz	4	5	1	2	800MHz	4	5	II 1	2	1100MHz 3	4	5
SKA1REF2 SKA1W9-12A54B90	9.32	7.62 11.91	5.70	5.33	2.71	8.06 10.92	6.38	5.11	4.73	1.77	6.36	5.15	4.38	4.10	0.98
SKA1W9-12A60B100 SKA1W9-12A72B120	12.75 12.76	12.18	6.63	5.76	2.48	11.31 10.62	9.62	5.82	5.16 4.70	1.67	8.90 7.86	6.31	4.83	4.22 3.57	0.93
SKA1W9-12A80B133	12.44	9.97	6.14	5.46	2.50	10.34	7.50	5.39	4.45	1.66	7.53	5.53	4.25	3.27	0.94
I		(1) DEC=	=-30, ro	bust-2 v	veightin	g with a			ssian tap	oer				
resbin	1 9.28	2	650MHz 3	4	5	1	2	800MHz 3	4	5	1	2	1100MH	z 4 3.89	5
SKA1REF2 SKA1W9-12A54B90 SKA1W9-12A60B100	9.28 7.83 9.87	8.81 14.68 13.98	6.81 7.46 7.24	5.51 5.98 5.92	2.61 2.46 2.47	8.85 10.10 11.50	7.81 11.28 10.27	5.62 6.15 6.17	4.75 5.10 5.05	1.79 1.70 1.69	7.15 10.22 10.65	6.00 6.84 6.54	4.53 4.87 4.83	3.89 4.12 3.90	1.00 0.95 0.95
SKA1W9-12A00B100 SKA1W9-12A72B120 SKA1W9-12A80B133	13.06 14.23	12.19 10.76	7.23	5.79 5.82	2.49	13.02 13.26	8.74 8.30	5.98	4.80	1.71	11.10	6.49	4.57 4.34	3.39	0.95
						С=-50, г				.,.				3.55	
1			650MHz					800MHz					100MHz		
resbin SKA1REF2 SKA1W9-12A54B90	8.85 8.70	7.22	3 5.81	5.52	2.65	7.75	6.07	3 5.24	4 4.85	1.79	6.04	4.77	3 4.48	4.20	1.00
SKA1W9-12A54B90 SKA1W9-12A60B100 SKA1W9-12A72B120	8.70 9.23 10.23	10.96 12.08 11.26	7.27 6.77 6.58	6.19 5.90 5.84	2.54 2.55 2.57	7.50 8.03 9.06	10.72 10.08 8.26	6.17 5.95 5.80	5.53 5.35 4.95	1.70 1.69 1.71	6.22 6.72 7.68	6.92 6.00 5.43	5.06 4.92 4.61	4.58 4.31 3.64	0.95 0.95 0.95
SKA1W9-12A72B120 SKA1W9-12A80B133	10.82	10.26	6.29	5.57	2.56	9.58	7.25	5.57	4.58	1.72	8.15	5.20	4.40	3.30	0.95
I				(h) DEC:	=-50, ro	bust-2 v	veightin	ıg						
resbin	1	2	$650 \mathrm{MHz}$ 3	4	5	1	2	800MHz	4	5	1	2	1100MHz 3	4	5
SKA1REF2 SKA1W9-12A54B90	9.37 12.09	7.72 12.22	5.90 7.36	5.55 6.22	2.65	8.15 11.27	6.60	5.32 6.26	4.87 5.55	1.79	6.48 9.49	5.31 7.18	4.56 5.15	4.23 4.61	1.00 0.95
SKA1W9-12A60B100 SKA1W9-12A72B120	12.60 12.98	12.44 11.13	6.86 6.68	5.93 5.86	2.55 2.57	11.49 11.21	9.94 8.41	6.04 5.88	5.37 4.96	1.69 1.71 1.72	9.04 8.10	6.42 5.94	5.00 4.67	4.33 3.66	0.95 0.95 0.95
SKA1W9-12A80B133	12.64	10.17	6.39	5.59	2.56	10.46	7.64	5.65	4.58		7.66	5.71	4.43	3.32	

(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	14.68	13.21	9.97	8.34	3.49
SKA1W9-12A54B90	15.97	20.07	10.99	8.99	3.30
SKA1W9-12A60B100	18.21	18.90	10.68	8.75	3.31
SKA1W9-12A72B120	20.84	16.77	10.38	8.35	3.34
SKA1W9-12A80B133	21.72	15.60	10.16	8.04	3 33

(a) DEC=-10, natural weighting

resbin	1	2	3	4	5
SKA1REF2	12.79	10.42	8.08	7.50	3.53
SKA1W9-12A54B90	16.71	15.70	10.22	8.48	3.36
SKA1W9-12A60B100	17.16	15.36	9.55	8.26	3.39
SKA1W9-12A72B120	17.12	13.88	8.80	7.50	3.40
SKA1W9-12A80B133	16.82	13.00	8.45	7.20	3.39

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

resbin	1	2	3	4	5
SKA1REF2	13.09	10.39	8.68	8.19	3.38
SKA1W9-12A54B90	12.89	16.42	10.29	9.08	3.16
SKA1W9-12A60B100	13.91	16.43	9.92	8.77	3.13
SKA1W9-12A72B120	15.46	14.54	9.40	8.16	3.17
SKA1W9-12A80B133	16.45	13.35	9.09	7.74	3.15

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

resbin	1	2	3	4	5
SKA1REF2	14.68	13.22	9.92	8.25	3.32
SKA1W9-12A54B90	16.36	19.74	10.83	8.87	3.14
SKA1W9-12A60B100	18.52	18.54	10.67	8.70	3.14
SKA1W9-12A72B120	21.52	16.35	10.44	8.25	3.17
SKA1W9-12A80B133	22.26	15.00	10.21	7.99	3.15

(g) DEC=-50, natural weighting

resbin	1	2	3	4	5
SKA1REF2	14.01	11.46	9.17	8.51	3.35
SKA1W9-12A54B90	19.06	17.77	10.95	9.52	3.20
SKA1W9-12A60B100	19.30	17.16	10.42	9.10	3.20
SKA1W9-12A72B120	18.97	15.17	10.05	8.51	3.23
SKA1W9-12A80B133	18.11	13.94	9.61	7.95	3.22

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

resbin	1	2	3	4	5
SKA1REF2	12.21	9.76	7.96	7.47	3.53
SKA1W9-12A54B90	12.22	14.71	10.13	8.44	3.36
SKA1W9-12A60B100	13.04	14.80	9.44	8.23	3.39
SKA1W9-12A72B120	14.56	13.72	8.69	7.47	3.40
SKA1W9-12A80B133	15.38	12.85	8.34	7.18	3.39

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

resbin	1	2	3	4	5
SKA1REF2	14.82	13.29	9.82	8.26	3.32
SKA1W9-12A54B90	16.55	19.82	10.81	8.89	3.10
SKA1W9-12A60B100	18.94	18.57	10.60	8.70	3.09
SKA1W9-12A72B120	21.61	16.18	10.35	8.27	3.14
SKA1W9-12A80B133	22.22	15.00	10.23	7.97	3.11

(d) DEC=-30, natural weighting

resbin	1	2	3	4	5
SKA1REF2	13.87	11.19	8.82	8.22	3.38
SKA1W9-12A54B90	18.46	17.25	10.43	9.13	3.16
SKA1W9-12A60B100	19.22	16.75	10.06	8.81	3.13
SKA1W9-12A72B120	18.37	14.66	9.53	8.19	3.17
SKA1W9-12A80B133	17.84	13.64	9.21	7.76	3.15

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

resbin	- 1	2	3	- 4	E
	1	- 4		4	3
SKA1REF2	13.23	10.57	9.01	8.47	3.35
SKA1W9-12A54B90	13.06	16.82	10.80	9.48	3.20
SKA1W9-12A60B100	13.96	16.84	10.27	9.06	3.20
SKA1W9-12A72B120	15.67	14.98	9.91	8.47	3.23
SKA1W9-12A80B133	16.59	13.60	9.48	7.93	3.22

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

Table 7: SNR after 8 hours relative to a 10μ 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	3.71	4.59	8.05	11.51	65.86
SKA1W9-12A54B90	3.14	1.99	6.62	9.90	73.43
SKA1W9-12A60B100	2.41	2.24	7.01	10.44	73.03
SKA1W9-12A72B120	1.84	2.84	7.43	11.49	71.91
SKA1W9-12A80B133	1.70	3 29	7.75	12.39	72.29

(a) DEC=-10, natural weighting

resbin	1	2	3	4	5
SKA1REF2	4.89	7.37	12.26	14.21	64.11
SKA1W9-12A54B90	2.86	3.25	7.65	11.13	70.72
SKA1W9-12A60B100	2.72	3.39	8.76	11.72	69.78
SKA1W9-12A72B120	2.73	4.15	10.33	14.22	69.11
SKA1W9-12A80B133	2.83	4.73	11.21	15.41	69.51

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

resbin	1	2	3	4	5
SKA1REF2	4.67	7.41	10.62	11.94	70.03
SKA1W9-12A54B90	4.81	2.97	7.55	9.70	79.88
SKA1W9-12A60B100	4.13	2.96	8.13	10.41	81.88
SKA1W9-12A72B120	3.35	3.78	9.06	12.00	79.41
SKA1W9-12A80B133	2.96	4.49	9.68	13.34	80.61

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

resbin	1	2	3	4	5
SKA1REF2	3.71	4.58	8.13	11.74	72.69
SKA1W9-12A54B90	2.99	2.05	6.82	10.16	81.22
SKA1W9-12A60B100	2.33	2.33	7.03	10.57	81.28
SKA1W9-12A72B120	1.73	2.99	7.34	11.75	79.77
SKA1W9-12A80B133	1.61	3.55	7.67	12.52	80.49

(g) DEC=-50, natural weighting

resbin	1	2	3	4	5
SKA1REF2	4.08	6.09	9.52	11.05	71.37
SKA1W9-12A54B90	2.20	2.53	6.67	8.82	78.12
SKA1W9-12A60B100	2.15	2.72	7.37	9.67	77.96
SKA1W9-12A72B120	2.22	3.48	7.92	11.06	76.50
SKA1W9-12A80B133	2.44	4.12	8.67	12.65	77.06

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

ſ	resbin	1	2	3	4	5
Γ	SKA1REF2	5.37	8.40	12.61	14.35	64.11
Ī	SKA1W9-12A54B90	5.36	3.70	7.79	11.24	70.72
Ī	SKA1W9-12A60B100	4.70	3.65	8.97	11.81	69.78
Ī	SKA1W9-12A72B120	3.77	4.25	10.59	14.33	69.11
Ī	SKA1W9-12A80B133	3.38	4.85	11.50	15.50	69.51

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

resbin	1	2	3	4	5
SKA1REF2	3.64	4.53	8.30	11.74	72.62
SKA1W9-12A54B90	2.92	2.04	6.84	10.13	83.09
SKA1W9-12A60B100	2.23	2.32	7.12	10.56	83.64
SKA1W9-12A72B120	1.71	3.06	7.46	11.69	80.96
SKA1W9-12A80B133	1.62	3.56	7.64	12.60	82.83

(d) DEC=-30, natural weighting

resbin	1	2	3	4	5
SKA1REF2	4.16	6.39	10.28	11.83	70.03
SKA1W9-12A54B90	2.35	2.69	7.35	9.61	79.88
SKA1W9-12A60B100	2.16	2.85	7.91	10.32	81.88
SKA1W9-12A72B120	2.37	3.72	8.81	11.92	79.41
SKA1W9-12A80B133	2.51	4.30	9.43	13.27	80.61

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

resbin	1	2	3	4	5
SKA1REF2	4.57	7.16	9.85	11.16	71.37
SKA1W9-12A54B90	4.69	2.83	6.86	8.91	78.12
SKA1W9-12A60B100	4.11	2.82	7.59	9.75	77.96
SKA1W9-12A72B120	3.26	3.56	8.14	11.14	76.50
SKA1W9-12A80B133	2.91	4.33	8.90	12.73	77.06

(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 10μ 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" layouts 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