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Appendix A: VVVX tile coordinates and observations

Here we list the tile centre coordinates for all VVV and VVVX pointing. There is a total of 1028 tiles, divided into 348 for the original VVV area and 680 tiles for VVVX. For the original and extended bulge area tiles, names start with ‘b’. Inner disk tiles in the original and extended area start with ‘d’, while for the low and high disk, as well as to disk to longitude +20 names start with ‘e’. Fig. A.1 shows the survey area with the tiles positions and respective names. For each tile we provide tile centre coordinates in Equatorial and Galactic systems. All tiles have been observed using an identical offsetting strategy, combining six pawprints to contiguously fill 1.5×1.1 sq. deg. area. Columns 6, 7 and 8 present the number of epochs taken in J , H and K_s during the VVV and VVVX campaigns. The first number is the total of epochs, and in parentheses the number of epochs observed in VVV and VVVX, respectively.

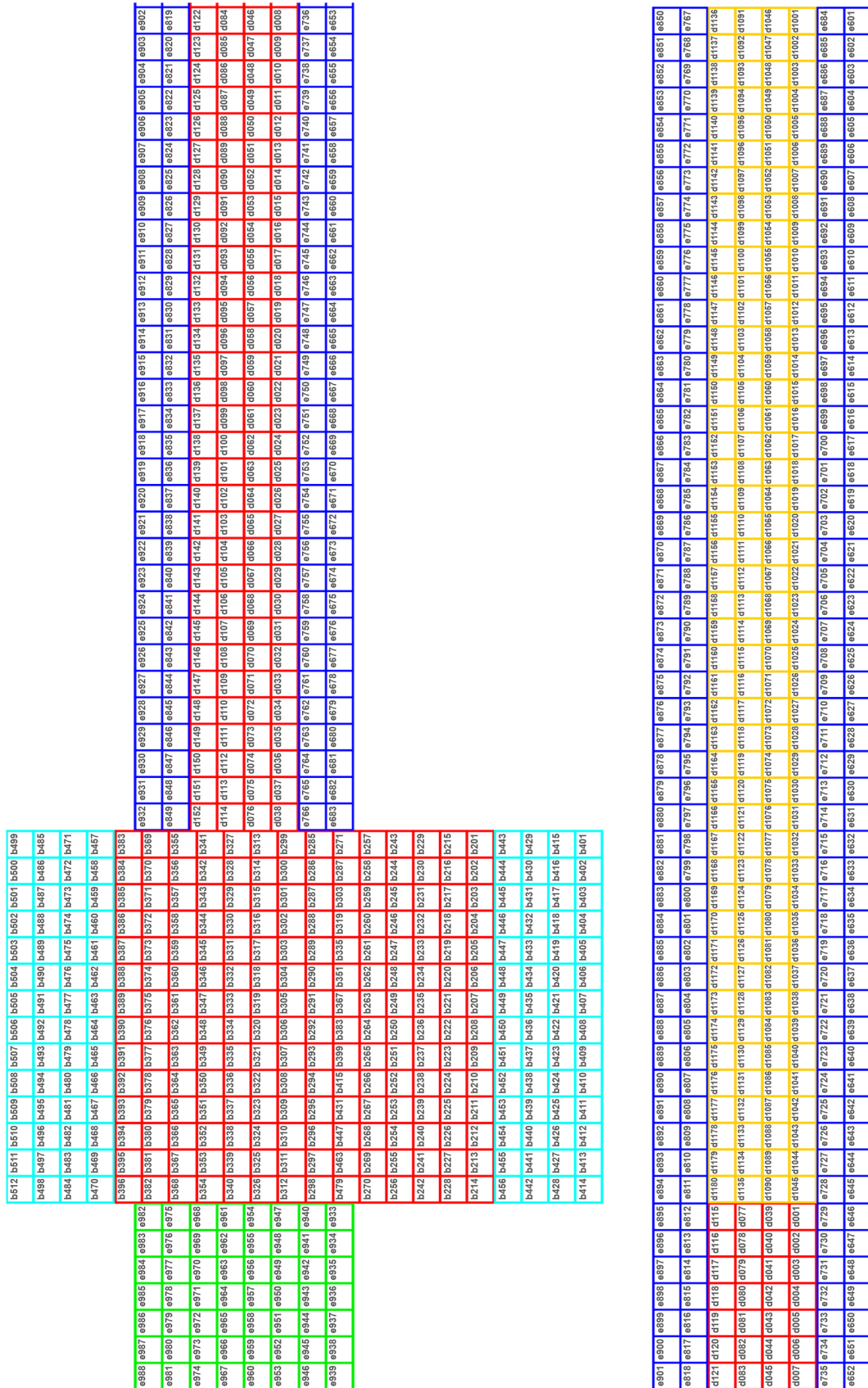


Fig. A.1. Zoomed view of the VVVX survey area with the tiles positions and respective names. The original VVV area is shown in red, while the other colours mark the VVVX areas. For the original and extended bulge area tile, names start with ‘b’. Inner disk tiles in the original and extended area start with ‘d’, while for the low and high disk, as well to disk to longitude +20 names start with ‘e’.

Table A.1. List the VVV+VVVX tiles and observed number of epochs.

Tile name	RA (J2000.0) (dd:mm:ss.ss)	DEC (J2000.0) (dd:mm:ss.s)	longitude (degrees)	latitude (degrees)	<i>J</i> epochs	<i>H</i> epochs	<i>K_s</i> epochs
b0201	18:04:36.67	−41:52:19.1	−9.344772	−9.781310	2 (2 + 0)	2 (2 + 0)	79 (76 + 3)
b0202	18:08:12.42	−40:34:54.6	−7.866743	−9.781265	2 (2 + 0)	2 (2 + 0)	80 (76 + 4)
b0203	18:11:41.75	−39:17:16.9	−6.388843	−9.781293	2 (2 + 0)	2 (2 + 0)	81 (77 + 4)
b0204	18:15:05.21	−37:59:26.7	−4.910874	−9.781311	2 (2 + 0)	2 (2 + 0)	78 (75 + 3)
b0205	18:18:23.31	−36:41:25.3	−3.432812	−9.781345	2 (2 + 0)	2 (2 + 0)	78 (75 + 3)
b0206	18:21:36.47	−35:23:14.3	−1.954806	−9.781319	2 (2 + 0)	2 (2 + 0)	83 (79 + 4)
b0207	18:24:45.14	−34:04:55.1	−0.476882	−9.781341	2 (2 + 0)	2 (2 + 0)	82 (79 + 3)
b0208	18:27:49.70	−32:46:28.3	1.001059	−9.781314	2 (2 + 0)	2 (2 + 0)	80 (76 + 4)
b0209	18:30:50.53	−31:27:54.8	2.479066	−9.781278	2 (2 + 0)	2 (2 + 0)	80 (76 + 4)
b0210	18:33:47.98	−30:09:15.9	3.957067	−9.781317	2 (2 + 0)	2 (2 + 0)	83 (80 + 3)
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Notes. Only the first 10 rows of the table are shown here. The full table with the list of the 1028 VVV+VVVX tiles is available in the Zenodo repository through the link <https://zenodo.org/records/12587535>. We present the tile names and centre coordinates in Equatorial and Galactic systems (see Fig. A.1 for the spatial distribution). Columns 6 to 8 present the number of epochs observed in *J*, *H* and *K_s* during the VVV and VVVX campaigns. The first number is the total of epochs, and in parentheses the number of epochs observed in VVV and VVVX, respectively.