Dear AKARI/IRC Users,

IRC team 2006/05/25

According to the observations in the performance verification phase, we have confirmed that the performance of the IRC is basically the same as has been predicted and all the IRC AOTs are ready to be executed. At this moment no revision of the sensitivity of the IRC is made. Please refer to the Observer's manual and plan your observations. However please understand that the actual quality of the IRC data occasionally depends on the stability of the attitude control system. The saturation levels and the point spread functions (PSFs) are revised as below. Please use the following values for your observation planning.

Saturation levels

Here the saturation levels for the short and long frames are indicated for your information together with those in the original Observer's manual. Please note that the ratio of the saturation levels is not directly proportional to the exposure time since the sampling is not the same for the short and long frames. There are large changes in the MIR-S channel.

Band	Obs. Manual (mJy)	Revised (short) (mJy)	Revised (long) (mJy)
N2	780	510	13
N3	250	210	6
N4	360	330	9
S7	1800	6400	57
S9W	1000	3100	27
S11	1800	4600	40
L15	2500	5700	50
L18W	3200	4500	39
L24	23000	22000	200

PSF

The values for NIR and MIR-S have been revised as shown below. Those for MIR-L remain the same as in the Observer's manual.

band	Obs. Manual (pix)	Revised (pix)
N2	1.85	2.4
N3	1.47	2.9
N4	1.34	2.9
S7	1.22	2.2
S9W	1.39	2.2
S11	1.52	2.2

Note that the actual PSF for the NIR channel may be subject to the stability of the attitude. Please refer to the announcement on the attitude control system also.