

# Revised 2–year plan for the UKIDSS GCS

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A revision of the plan for the UKIDSS GCS has been prompted by

- confirmation of availability of a WFCAM Z filter and new data concerning the QE of Hawaii–2 detectors at short wavelengths resulting in increased sensitivity estimates in the Z and Y bands;
- a small slip in the likely delivery date of WFCAM to Hawaii.

At an *ad hoc* meeting of the GCS Working Group in Cambridge on July 9th 2003, the following decisions were taken (full minutes of the meeting are available at [1]):

- filter choice for all targets is changed from JHKK to ZYJHKK, ie. a 50% increase in time requirement for the same areal coverage;
- final filter combinations are to be reviewed and optimised after the first science frames have been analysed on a target–by–target basis, ie. depending on factors such as target age, areal extent, distance and reddening, one or more filters may be dropped for a given target;
- required areas to be kept as before; hence the lowest priority targets fall outwith the current time allocations (2 yr and full plans) but may move back in if filter coverage is revised (see previous item);
- IC 4665 is to be moved to priority 1 to fit in with the currently projected start of WFCAM survey operations.

The revised two year plan is shown in Table 1.

## References

- [1] Minutes of the *ad hoc* GCS Working Group meeting at the IoA, Cambridge on July 9th 2003; <http://www.roe.ac.uk/~nch/gcs/mins9jul03.txt>

Relative priority	Target	Bands/areas (filters/sq.deg)	Time (ks)
1	IC 4665	ZYJHK/0.8	0.83
2	Pleiades	ZYJHK/79	83.3
3	Alpha Per	ZYJHK/50	53.3
4	Praesepe	ZYJHK/28	30.0
5	Taurus–Auriga	ZYJHK/central 24	25.2
6	Orion	ZYJHK/central 16	16.8
7	Sco	ZYJHK/central 24	25.2
8	Per–OB2	ZYJHK/12.6	13.2
9	Hyades	K only/291	61.0
10	Coma–Ber	K only/78.5	16.5
		2yr total:	325.3
11	Taurus–Auriga	K only/remaining 362	76.0
12	Sco	K only/remaining 130	27.3

Table 1: Revised 2 year programme for the GCS. In practice, any given pointing for the GCS will be observed at ZYJHK together or K only at the two epochs (except for Orion where two epochs are not required). The lowest priority targets 11 and 12 are currently outwith the two year plan but may be reinstated if fewer filters are needed for any of the higher priority targets in the final optimised programme (see text).