

# Zodiacal Collection Description

## The IRAS Medium Resolution Data

The IRAS Medium-Resolution (2 arcminute in-scan)

Zodiacal Observational History File (ZOHF) consists of the time-ordered IRAS survey data averaged into 2' X 1/2 degree rectangular pixels along with pointing and timing information, covering the entire mission.

The data used in generating these files

(Version 2) is not identical to that used in generating the 1/2 X 1/2 degree ZOHF (Version 3). An explanation of the differences in calibration between the two datasets and a statistical analysis of the differences in the resultant positions and fluxes may be found in Oken et al. (1988) and Boulanger (1988).

While generally characterized as being

2' x 1/2 degree pixels, the actual pixel dimensions (in arc-minutes) are as follows:

Band	Wavelength	In-Scan	Cross-Scan
1	12	1.925	28.4
2	25	1.925	30.3
3	60	1.925	28.5
4	100	1.925	30.5

(Oken et al. 1988).

Eight scans have been deleted from the IRAS Medium-Resolution ZOHF as released by the Infrared Processing and Analysis Center. These scans are not released in the Low-Resolution product and correspond to Pointed Observation scans that were mistakenly included in the Medium-Resolution product.

The OBSERVATION\_ID numbers of the excluded scans are 154.32, 157.06, 158.33, 239.35, 267.42, 427.08, 465.38, and 479.20 ."

## The IRAS Low-Resolution Data

The IRAS Low-Resolution (0.5 degree

in-scan) Zodiacal Observational History File (ZOHF) consists of the time-ordered IRAS survey data averaged into 1/2 X 1/2 degree rectangular pixels along with pointing and timing information, covering the entire mission.

The data used in generating these files (Version 3) is not identical to that used in generating the 2 arcminute in-scan Medium Resolution ZOHF (Version 2). An explanation of the differences in calibration between the two data sets and a statistical analysis of the differences in the resultant positions and fluxes may be found in Oken et al.(1988) and Boulanger (1988).

While generally characterized as being 1/2 x 1/2 degree pixels, the actual pixel dimensions (in arc-minutes) are as follows:

Band	Wavelength	In-Scan	Cross-Scan
1	12	30.8	28.4
2	25	30.8	30.3
3	60	30.8	28.5
4	100	30.8	30.5

(Oken et al. 1988).