

## **PACS** Newsletter

Nr. 10, 17 November 2006



## Quick Look Analysis <2> Color Table Dataflow Manager 15 Nov 2006 ER Red 49152 410 32768 1074659329 16384 1542287880 -16384 16434 lock sub 65536 49152 47 m 84926774 32768 Calfile C 78 16384 Rotate -16384 Mirror -32768 salue se Mirror -TER Elue 65536 exchange 4915; 410 1074659325 ove last 32768 16384 clear 1542287880 -16384 create Calfile -32768 255 -22142 lock arra Auto-Scale lock sul 6553 4915 86106222 32768 16384 38 1638 32761 **PACS FM First Light** Play Data Time Source Messages Timeout onsanever 15-11-06 13:28:30 Count 27 (Photometer) 44

## The PACS Picture of the Week

Fig. 1: The PACS FM has seen first (technical) light on the photometers on Wednesday, November 15, 2006. This was a scan of the FOV with the chopper. You can see the edge between the cold "sky" field (cold OGSE BB), and one of the warm PACS calibration sources in the left parts of the red (top) and blue (bottom) photometer arrays (QLA screen shot).

## Status

We have had a successful third week of FM ILT, continuing (mainly) the bolometer tests. On Wednesday, November 15, **first light** was achieved (see figure 1)! Besides this Field of View Scan, tests included the Short Functional Test Cold (HeII), cooler recycling, thermal behaviour tests, and many tests to characterise and adjust chopper, grating, calibration sources, etc., including OGSE and x-y stage. All of this went quite well.

The good news of today is: **the Cooler hold time is within specs (48 hours < 300mK)**. For some components we need to understand better the behaviour and improve the performance,

but we are confident that this will be possible. We are also confident that we will have first light on the spectrometers by the end of today (Friday).



Fig. 2: The first light event



Fig. 3: Scenes from the first light celebration



Fig.4: Impressions from the ILT

The PACS Newsletter is edited by: Dr. Eckhard Sturm (PACS ICC Deputy Manager) <u>sturm@mpe.mpg.de</u> Chief Photographer and Photo Editor: Dr. Albrecht Poglitsch