Pixel/Strips DSP Card Software

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Abstract

This document describes the DSP software, the communication protocol between the VME-CPU and the DSP card, the DSP code for the UC Santa Cruz strips Low Level card, and the DSP code for the LBL pixels Low Level card.

Introduction

The DSP cards reside in the VME crate. They are interfaced to the VMEbus. Communication between the VME-CPU and the DSP's is established by the exchange of messages. The software is coded in C-language. Note: the code described in this document is running on the DSP.

Updates June 22, 1995

- system, strips, pixels: added section default settings
- pixels: added/deleted messages, added error codes updated description of messages, functions
- strips: added message, updated description of messages, functions
- user: updated descriptions/requirements
- system: updated descriptions

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