**GLAST LAT Project** 



Gamma-ray Large Area Space Telescope



## **GLAST Large Area Telescope:**

Explanation of Personnel Access Platform Operations and Associated Operational Risk Mitigations

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**GLAST LAT Project** 

PAP Operations Clarification
LAT I&T MGSE Team

• Eric M. Gawehn - Dept. Mgr

Bill Olson – Engineering



- Wing Ng Design
- Reggie Rogers Design & Manufacturing Process

• Steve Score – Design

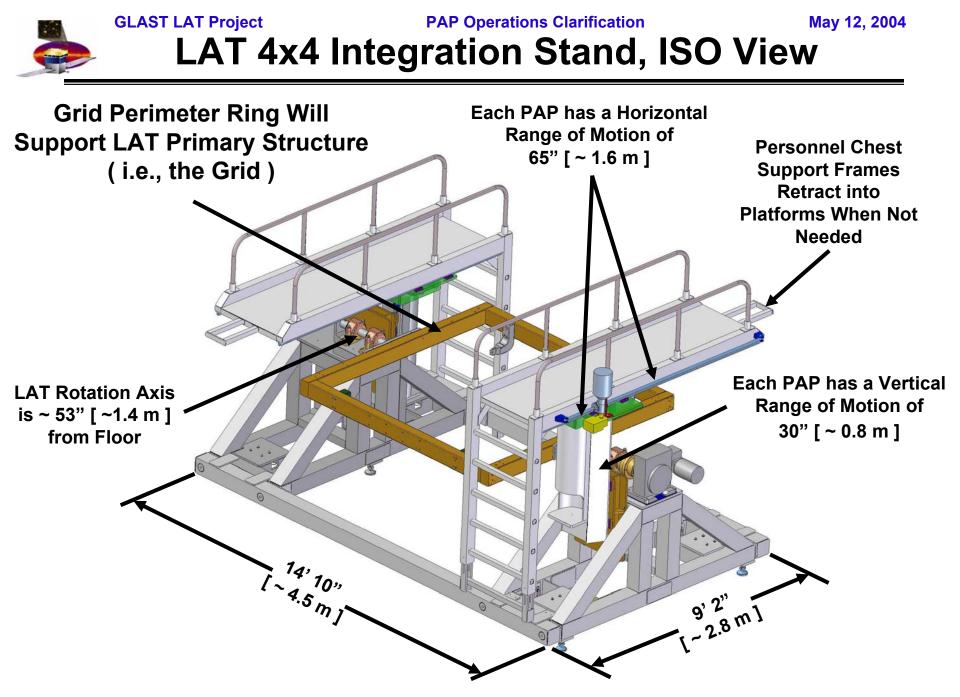
- Patrick V. Williams Design
- LAT TD 03782, Summary







May 12, 2004

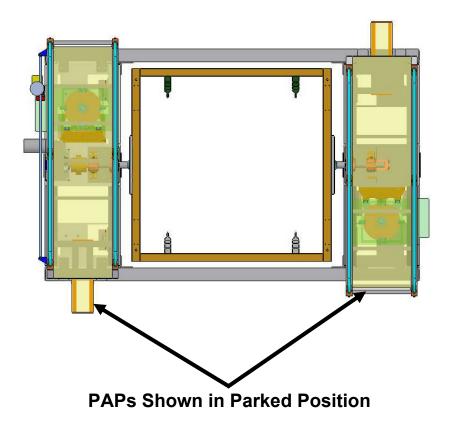


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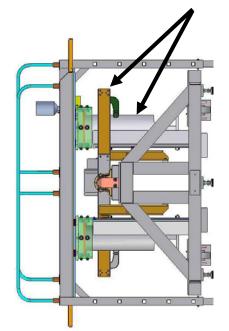
**PAP Operations Clarification** 

## **PAP Movement Sequence**

Each PAP Motion is Operated "Individually" by a Technician on the Ground. Two "Spotters" Will Provide Feedback to PAP "Driver" to Assist Impact Avoidance



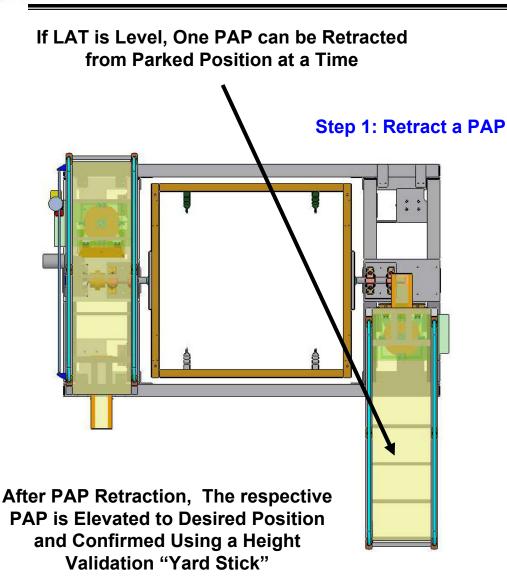
Limit Switches prevent power from being supplied to PAP Drives Unless LAT is Level within ± 1° (TBC)



Only One Drive will Receive Power at a Time **PAP Operations Clarification** 

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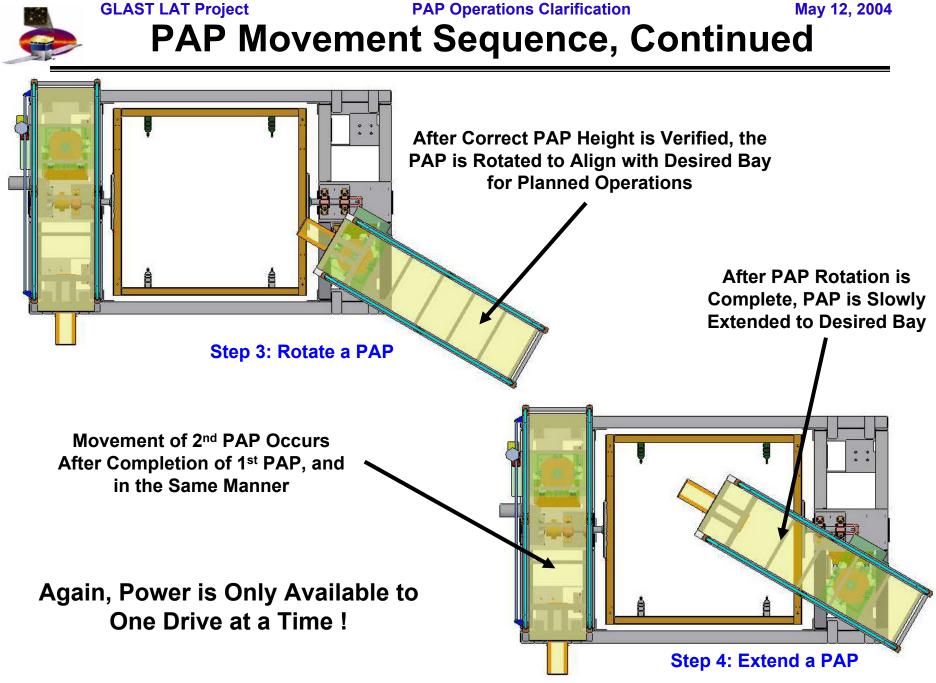
## **GLAST LAT Project PAP Movement Sequence, Continued**



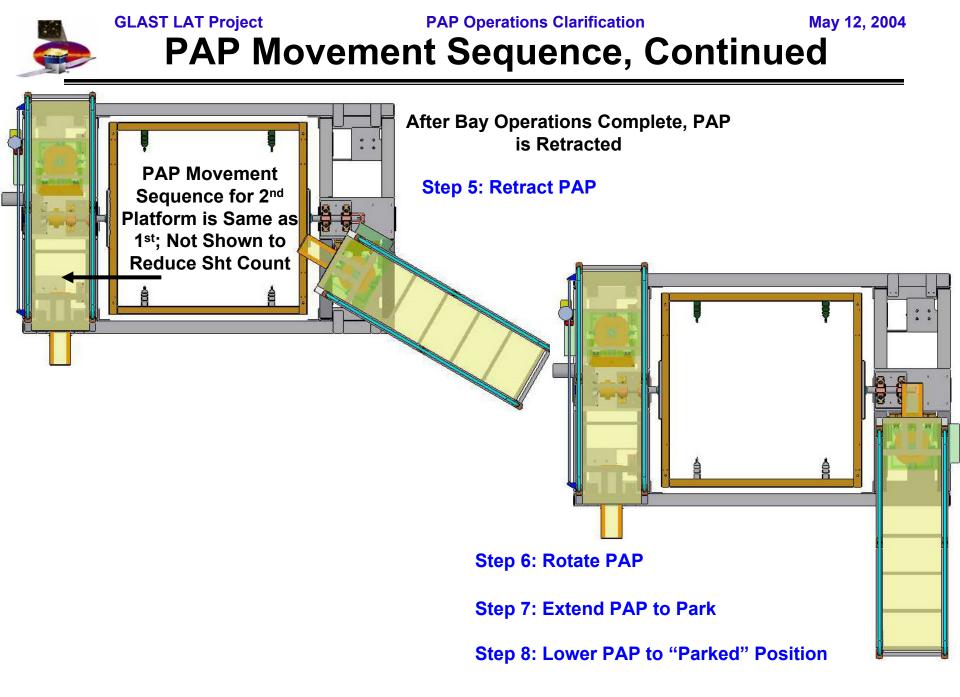
Stops will be **Adjusted for CAL Access Operations** PAP Elevated, If **Needed**, After Retraction

Hard Mechanical

**Step 2: Elevate PAP to Work Height as Required** 



LAT - TD - 03782, Summary





GLAST LAT Project PAP Operations Clarification May 12, 2004 For More Information About LAT MGSE

- 4x4 Integration Stand
  - LAT TD 03782, Entire
    - Appendix A

Contingency Operations – CAL

Contingency Operations - TKR

•Operations Planning History / Summary of Trades

## • All LAT MGSE, Go To:

http://www-glast.slac.stanford.edu/IntegrationTest/MGSE/default\_MGSE.htm